



VILLAGE OF VILLA PARK

CONTRACT DOCUMENTS

FOR

MAPLE AREA IMPROVEMENTS

**ADVERTISEMENT FOR BIDS
VILLAGE OF VILLA PARK
Monday April 19, 2021**

PROJECT: MAPLE AREA IMPROVEMENTS

This project consists of the separation of sewers and the reconstruction and resurfacing of various streets which includes installation of new storm sewers, manholes, inlets and catch basins, Hot-Mix Asphalt (HMA) pavement reconstruction, curb and gutter, driveway, and sidewalk removal and replacement, drainage and utility improvements, pavement markings, erosion & sediment control, and restoration and other related and incidental work.

This project will include approximately 5,670 linear feet of storm sewers. The combined length of road improvements is 8,077 feet. The pavement resurfacing areas will be composed of 2" HMA surface course and 1" HMA level binder course. The pavement reconstruction areas will be composed of 2" HMA surface course and 4" HMA binder course supported on a 6" aggregate base course with geotechnical fabric.

BID DEADLINE: Tuesday, June 1, 2021, 11:00 A.M. LOCAL TIME

The Village reserves the right to extend the Bid Deadline from this date and time to accept Bids submitted after the Bid Deadline, as the Village, in its sole discretion, determines is in the best interest of the Village.

<https://zoom.us/j/94432683914?pwd=bVptdXBBBWTVhbUN2TEpCYzNwTGFTQT09>

Meeting ID: 944 3268 3914 Passcode: 099511

MANDATORY PRE-BID MEETING: A mandatory pre-bid meeting will be held via Zoom on **May 4th, 2021, AT 11:00 AM LOCAL TIME.**

<https://zoom.us/j/97677386722?pwd=ZCtsQ1g0K1RLdVBBQIJ1eWgwY0x2QT09>

Meeting ID: 976 7738 6722 Passcode: 385931

NOTICE: Separate, sealed proposals for the MAPLE AREA IMPROVEMENTS will be received electronically by the Village of Villa Park, Illinois, at the website www.questcdn.com (QuestCDN #7771788), until the Bid Deadline. Immediately thereafter, the proposals will be publicly opened and read aloud via Zoom (Link provided above). Notwithstanding the foregoing, the Village reserves the right to defer, postpone, delay, or reschedule the Bid Opening for such time and to such date as the Village, in its sole discretion, determines is in the best interest of the Village.

Proposals shall be submitted in accordance with the Bidding Documents prepared by Edwin Hancock Engineering, 9933 Roosevelt Road, IL 60154.

BIDDER QUALIFICATIONS: Bidders, in submitting a Bid, shall comply with all applicable Federal, State and Local laws and requirements; shall provide documentation of that compliance in accordance with the requirements of the Contract Documents or as requested by the Village; and, in submitting a Bid, Bidders affirm that they are qualified under all applicable laws and requirements to do so, and agree to be bound by the determination of the Village as to Bidder's compliance and qualifications.

BID SECURITY: Bid security in the amount of not less than five percent (5%) of the Bid shall accompany each Bid in accordance with the Bidding Documents.

CONTRACT SECURITY: The Bidder to whom a Contract is awarded shall be required to furnish both a Performance Bond and a Payment Bond acceptable to the Village for one-hundred percent (100%) of the Contract Price, in accordance with the requirements of the Contract Documents.

RIGHTS RESERVED: The Village will select the lowest, most responsible bidder. The Village reserves the right to reject any and all Bids, to waive any informalities or technicalities in bidding, and to accept the Bid which best serves the interests of the Village. The Village shall, in its sole discretion, determine what does or does not constitute an informality or technicality, and, in submitting a Bid, Bidder agrees to be bound by that determination.

The Village may make such investigations as it deems necessary to determine the ability of the Bidder to perform the Work, and the Bidder shall furnish to the Village all such information and data for this purpose as the Village may request. The Village reserves the right to reject any Bid if the evidence submitted by, or investigation of, such Bidder fails to satisfy the Village that such Bidder is properly qualified to carry out the obligations of the Agreement and to complete the Work contemplated therein.

WAGE RATES: All applicable laws, ordinances, and the rules and regulations of all authorities having jurisdiction over construction of the PROJECT shall apply to the contract throughout.

APPRENTICE: The Contractor will be required to comply with the recently enacted Illinois Works Act. The goal of the Illinois Apprenticeship Initiative is that apprentices will perform lesser of 10% of the total labor hours actually worked in each prevailing wage classification or 10% of the estimated labor hours in each prevailing wage classification.

CONTRACT DOCUMENTS: The Bidding Documents may be obtained from Quest CDN as described above.

PUBLISHED BY AUTHORITY OF THE VILLAGE OF VILLA PARK, DUPAGE COUNTY, ILLINOIS.

BY: Michael Guerra, PE
Public Works Director

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**PROJECT SPECIAL PROVISIONS
FOR
MAPLE AREA IMPROVEMENTS**

The following Special Provisions supplement the “Standard Specifications for Road and Bridge Construction”, adopted April 1, 2016 (referred to hereinafter as the Standard Specifications); the “Supplemental Specifications and Recurring Special Provisions”, adopted January 1, 2019; the latest edition of the “Illinois Manual on Uniform Traffic Control Devices For Streets and Highways” (IMUTCD); and the “Standard Specifications for Water and Sewer Construction in Illinois”, 7th Edition, 2014 (referred to hereinafter as the Water and Sewer Specifications). In case of conflict with any part, or parts, of said Specifications, the said Special Provisions shall take precedence and shall govern. Where no conflict exists, the said Specifications shall apply to this Contract as if repeated in their entirety herein.

DEFINITIONS

Contractor. The individual, firm, partnership, joint venture, or corporation contracting with the Village of Villa Park for performance of the prescribed work.

Department, Owner or Village. The Village of Villa Park, DuPage County, Illinois.

Engineer. The Resident Engineer who is the authorized representative of the Village of Villa Park in immediate charge of the engineering details of a construction project.

LOCATION OF PROJECT

The proposed work is officially known as the “Maple Area Improvements”. The project involves various improvements in multiple locations throughout the Village of Villa Park, County of DuPage, State of Illinois:

Street Improvement	Starting Limit	Ending Limit
MAPLE STREET	ILLINOIS AVE	VILLA AVENUE
PINE STREET	SUMMIT AVENUE	VILLA AVENUE
OAK STREET	SUMMIT AVENUE	VILLA AVENUE
SUMMIT AVENUE	DIVISION STREET	MAPLE STREET
MYRTLE AVENUE	DIVISION STREET	OAK STREET
DIVISION STREET	CORNEL AVENUE	VILLA AVENUE

DESCRIPTION OF PROJECT

The project consists of the separation of sewers and the reconstruction and resurfacing of various streets which includes installation of new storm sewers, manholes, inlets and catch basins, hot-mix asphalt (HMA) resurfacing, pavement reconstruction, curb and gutter, driveway, and sidewalk removal and replacement, drainage and utility improvements, pavement markings, erosion & sediment control, and restoration and other related and incidental work.

This project will include approximately 5,670 linear feet of storm sewers. The combined length of road improvements is 8,077 feet. The pavement resurfacing areas will be composed of 2" HMA surface course and 1" HMA level binder course. The pavement reconstruction areas will be composed of 2" HMA surface course and 4" HMA binder course supported on a 6" aggregate base course with geotechnical fabric.

NOT FOR BID

GENERAL SPECIAL PROVISIONS

QUALIFICATIONS OF BIDDERS

Bidders will comply with all applicable Federal, State and local laws and requirements, and will further meet the qualifications prescribed in this and other applicable portions of these provisions.

Bidder, in submitting a Bid, certifies that Bidder is in compliance with all applicable Federal, State and local laws and requirements, and that Bidder further meets the qualifications prescribed in this and other applicable portions of these provisions. Engineer's determination as to the compliance and qualifications of the Bidder will be final, and Bidder, in submitting a Bid, agrees to be bound by that determination.

Bidder, in submitting a Bid, certifies that Bidder is in compliance with the following requirements and qualifications. Bidder further certifies that Bidder is able to provide written evidence of Bidder's compliance with the following requirements and qualifications. Bidder shall, upon request by Engineer, submit such written evidence within five (5) calendar days of the Engineer's request, as well as any other written evidence which Engineer may deem necessary for the purpose of evaluating Bidder's qualifications.

- (a) Bidder shall be qualified to do business in the State of Illinois.
- (b) Bidder shall possess either a valid Federal Employer Tax Identification Number (FEIN) or a valid Social Security Number (SSN).
- (c) Bidder shall be able to provide a street address and description of the Bidder's place of business, and the mailing address of the business, if different from the street address.
- (d) Bidder shall be able to provide the number of years Bidder has been engaged in the contracting business under the present firm name, and the name of the state where incorporated.
- (e) Bidder shall be able to provide a list of the property and equipment available to the Bidder.
- (f) Bidder shall be able to provide a financial statement demonstrating that the Bidder has the financial resources to meet all obligations related to the Work.
- (g) Bidder shall maintain insurance policies with the coverages required by the Contract, and with the minimum limits of coverage required by the Contract. Bidder shall be able to provide current certificate(s) of insurance for the

insurance policies held by Bidder, demonstrating that Bidder holds insurance policies with the coverages required by the contract, and with the minimum limits of coverage required by the Contract.

- (h) Bidder shall have constructed a minimum of three (3) projects of a similar nature in the immediate past five (5) years. Bidder shall be able to provide a list of all projects of a similar nature constructed by Bidder in the immediate past five (5) years, which list shall contain the minimum of three (3) such projects, which list shall provide a description and the location(s) of all such projects, and shall contain the Bidder's performance record and references, as well as the names and current contact information, including addresses and telephone numbers, of persons who acted as owners' representatives for those projects and who have knowledge of those projects, and whom Bidder agrees the Village may contact for the purpose of verifying Bidder's performance and references.
- (i) Bidder shall be able to provide a list of three (3) references (name, address and telephone number) with knowledge of the integrity and business practices of the bidder. Such references may not be persons who have been employed by Bidder as employees.
- (j) Bidder shall be able to provide a list of projects presently under Contract, the awarded Contract amount of each, the approximate adjusted Contract amount of each (if applicable), and the dollar amount or percent of completion of each.
- (k) Bidder shall be able to provide a list of Contracts which have resulted in lawsuits, whether against Bidder as a prime contractor, against Bidder as a subcontractor, or against Bidder as a party in any other capacity; or against subcontractors or suppliers performing work for Bidder or under Contract held by Bidder.
- (l) Bidder shall be able to provide a list of Contracts defaulted.
- (m) Bidder shall be able to provide a statement indicating whether or not Bidder has ever filed bankruptcy.
- (n) Bidder shall be able to provide a list of all officers of the firm, which list shall also indicate those officers who, while in the employ of the firm or in the employ of previous firms, were associated with Contracts which resulted in lawsuits, Contracts defaulted, or firms which filed for bankruptcy.
- (o) Bidder shall maintain personnel guaranteed to be employed in the responsible charge of the Work, which personnel possess sufficient technical experience to ensure the satisfactory completion of the Work. Bidder shall be able to provide the names and technical experience of such personnel, as well as

statements as to whether the personnel have or have not performed satisfactorily on other contracts of like nature and magnitude or comparable difficulty at similar rate of progress.

- (p) Bidder shall be able to provide a list of subcontractors and suppliers anticipated to be employed by Bidder for the purpose of completing the Work, including the firm name, street address and description of place of business; mailing address of business (if different); phone, fax and e-mail contact information of business; name of primary contact; and a list of any projects or contracts for which Bidder currently owes monies to said firm, which list shall include a description of the project or contract, the amount currently due to said firm, the period of time for which those monies have been owed, and the expected date of payment of those monies.
- (q) Bidder shall participate in active apprenticeship and training programs approved by and registered with the United States Department of Labor Bureau of Apprenticeship and Training for each of the trades of work contemplated under the Contract. Bidder shall be able to provide evidence of Bidder's participation in such apprenticeship and training programs.
- (r) Bidder shall only employ subcontractors who meet the requirements prescribed in this section and other sections of these specifications.
- (s) Bidder shall be able to provide such other information as may assist the Village in determining whether the Bidder is adequately prepared to fulfill the Contract.

These requirements and qualifications are not intended to discourage bidding, to make it difficult for qualified Bidders to submit Bids, or to discourage beginning contractors. The purpose of these requirements and qualifications is to allow the Village to obtain sufficient information about Bidder's financial state, available equipment, personnel, and previous work experience so that the Village may mitigate the hazards involved in awarding contracts to parties who may not be qualified to perform the Work as specified.

A copy of Village of Villa Park Ordinance No. 3733, amending the requirements of bidders for construction projects, is provided in Appendix 3 .

DOCUMENTATION REQUIRED IN PLANS AND SPECIFICATIONS FOR PROJECTS
TO BE CONSTRUCTED UNDER THE WATER POLLUTION CONTROL LOAN
PROGRAM

The attached “**front-end document package**” may be utilized by the loan applicant to comply with regulations for loans issued under the Water Pollution Control Loan Program. The loan applicant’s use of the front-end document package and the completion and certification of the review checklist denoting the specific location of the required items as part of the submittal of the plans/specifications and permit application will help expedite the overall review of your project’s contract documents.

Rev. April 2000
Rev. January 2002
Rev. March 2003
Rev. May 2003
Rev. April 2006
Rev. April 2007
Rev. April 2009
Rev. June 2010
Rev. February 2013
Rev. February 2014
Rev. December 2014
Rev. March 2016
Rev. March 2017
Rev. December 2017
Rev. September 2018 (AIS) Rev. November 2019

IL532-2564 WPC 688

ADVERTISEMENT FOR BIDS

PRESIDENT AND BOARD OF
TRUSTEES
VILLAGE OF VILLA PARK
11 West Home Avenue
Villa Park, IL 60181

Separate sealed BIDS for the construction of (briefly describe nature, scope, and major elements of the work): “Maple Area Improvements, Village of Villa Park, Illinois” (resurfacing of roadway, sewer storm construction and removal and replacement of concrete driveway, sidewalks, and curb and gutter) and will be received by the Village until June 1st, 2021 until: 11:00 AM , 2021, and then publicly opened and read aloud via Zoom.

<https://zoom.us/j/94432683914?pwd=bVptdXBWTVhbUN2TEpCYzNwTGFTQT09>

Meeting ID: 944 3268 3914
Passcode: 099511

“Any contract or contracts awarded under this invitation for bids are expected to be funded in part by a loan from the Illinois Environmental Protection Agency (Illinois EPA). Neither the State of Illinois nor any of its departments, agencies, or employees is or will be a party to this invitation for bids or any resulting contract. The procurement will be subject to regulations contained in the Procedures for Issuing Loans from the Water Pollution Control Loan Program (35 IAC Part 365), the Davis-Bacon Act (40 USC 276a through 276a-5) as defined by the United States Department of Labor, the Employment of Illinois Workers on Public Works Act (30 ILCS 570), and the “Use of American Iron and Steel” requirements as contained in Section 436 of H.R. 3547, The Consolidated Appropriations Act, 2014. This procurement is also subject to the loan recipient’s policy regarding the increased use of disadvantaged business enterprises. The loan recipient’s policy requires all bidders to undertake specified affirmative efforts at least sixteen (16) days prior to bid opening. The policy is contained in the specifications. Bidders are also required to comply with the President’s Executive Order No. 11246, as amended. The requirements for bidders and contractors under this order are explained in 41 CFR 60-4.”

The CONTRACT DOCUMENTS may be examined at the Villa Park Public Works Department.

Separate, sealed proposals for the MAPLE AREA IMPROVEMENTS will be received electronically by the Village of Villa Park, Illinois, at the website www.questcdn.com (Quest Project #7771788), until the Bid Deadline. Immediately thereafter, the proposals will be publicly opened and read aloud via Zoom. Notwithstanding the foregoing, the Village reserves the right to defer, postpone, delay, or reschedule the Bid Opening for such time and to such date as the Village, in its sole discretion, determines is in the best interest of the Village.

DATE

SIGNATURE

INFORMATION FOR BIDDERS

BIDS will be received by the Village of Villa Park, Dupage County, Illinois

(herein called the "OWNER"), at the Public Works Department, 11 West Home Avenue, Villa Park, IL 60181

Until June 1st, 20 21 , and then at said office publicly opened and read aloud.

Separate, sealed proposals for the MAPLE AREA IMPROVEMENTS will be received electronically by the Village of Villa Park, Illinois, at the website www.questcdn.com (QuestCDN #7771788), until the Bid Deadline. Immediately thereafter, the proposals will be publicly opened and read aloud via Zoom. Notwithstanding the foregoing, the Village reserves the right to defer, postpone, delay, or reschedule the Bid Opening for such time and to such date as the Village, in its sole discretion, determines is in the best interest of the Village.

All BIDS must be made on the required BID form. All blank spaces for BID prices must be filled in, in ink or typewritten, and the BID form must be fully completed and executed when submitted. Only one copy of the BID form is required.

Any BID may be modified or withdrawn prior to the above scheduled time for the opening of BIDS or authorized postponement thereof. Any BID received after the time and date specified shall not be considered. No BIDDER may withdraw a BID within days after the actual date of the opening thereof. Should there be reasons why the contract cannot be awarded within the specified period, the time may be extended by mutual agreement between the OWNER and the BIDDER.

BIDDERS must satisfy themselves of the accuracy of the estimated quantities in the BID Schedule by examination of the site and a review of the drawings and specifications including ADDENDA. After BIDS have been submitted, the BIDDER shall not assert that there was a misunderstanding concerning the quantities of WORK or of the nature of the WORK to be done.

The OWNER shall provide to BIDDERS prior to BIDDING, all information that is pertinent to, and delineates and describes, the land owned, and rights-of-way acquired or to be acquired.

The CONTRACT DOCUMENTS contain the provisions required for the construction of the PROJECT. Information obtained from an officer, agent, or employee of the OWNER or any other person shall not affect the risks or obligations assumed by the CONTRACTOR or relieve him or her from fulfilling any of the conditions of the contract.

A BID bond payable to the OWNER must accompany each BID for five percent of the total amount of the BID. As soon as the BID prices have been compared, the OWNER will return the BONDS of all except the three lowest responsible BIDDERS. When the Agreement is executed the bonds of the two remaining unsuccessful BIDDERS will be returned. The BID BOND of the successful BIDDER will be retained until the payment BOND and performance BOND have been executed and approved, after which it will be returned. A certified check may be used in lieu of a BID BOND.

A performance BOND and a payment BOND, each in the amount of 100 percent of the CONTRACT PRICE, with a corporate surety approved by the OWNER, will be required for the faithful performance of the contract.

Attorneys-in-fact who sign BID BONDS or payment BONDS and performance BONDS must file with each BOND a certified and effective dated copy of their power of attorney.

Any contract entered into by the loan recipient and any sub-agreement hereunder, shall provide that representatives of the Agency will have access to the work whenever it is in preparation or progress and that the contractor or subcontractor will provide proper facilities for such access and inspection. Such contract or sub-agreement must also provide that the Agency or any authorized representative shall have

access to any books, documents, papers, and records of the contractor or subcontractor, which are pertinent to the project for making audit, examination, excerpts, and transcriptions thereof.

The party to whom the contract is awarded will be required to execute the Agreement and obtain the performance BOND and payment BOND within ten (10) calendar days from the date when NOTICE OF AWARD is delivered to the BIDDER. The necessary Agreement and BOND forms shall accompany the NOTICE OF AWARD. In case of failure of the BIDDER to execute the Agreement, the OWNER may at his or her option consider the BIDDER in default, in which case the BID BOND accompanying the proposal shall become the property of the OWNER. The OWNER within ten (10) days of receipt of acceptable performance BOND, payment BOND and Agreement signed by the party to whom the Agreement was awarded shall sign the Agreement and return to such party an executed duplicate of the Agreement. Should the OWNER not execute the Agreement within such period, the BIDDER may by WRITTEN NOTICE withdraw his or her signed Agreement. Such notice of withdrawal shall be effective upon receipt of the notice by the OWNER.

The OWNER shall issue the NOTICE TO PROCEED within ten (10) days of the execution of the Agreement. Should there be reasons why the NOTICE TO PROCEED cannot be issued within such period, the time may be extended by mutual agreement between the OWNER and CONTRACTOR. If the NOTICE TO PROCEED has not been issued within the ten (10) day period or within the period mutually agreed upon, the CONTRACTOR might terminate the Agreement without further liability on the part of either party.

The OWNER may make such investigations as he or she deems necessary to determine the ability of the BIDDER to perform the WORK, and the BIDDER shall furnish to the OWNER all such information and data for this purpose as the OWNER may request. The OWNER reserves the right to reject any BID if the evidence submitted by, or investigation of, such BIDDER fails to satisfy the OWNER that such BIDDER is properly qualified to carry out the obligations of the Agreement and to complete the WORK contemplated therein.

A conditional or qualified BID will not be accepted.

Award will be made to the low, responsive, responsible BIDDER.

All applicable laws, ordinances, and the rules and regulations of all authorities having jurisdiction over construction of the PROJECT shall apply to the contract throughout including the Employment of Illinois Workers on Public Works Act (30 ILCS 570) and the Davis-Bacon Wage Act (40 USC 276a through 276a-5) as defined by the United States Department of Labor.

All BIDDERS will comply with Sec. 436 of H.R. 3547, "The Consolidated Appropriations Act, 2014", which specifies that all "iron and steel products" used in the project are produced in the United States.

BIDDER shall not discriminate on the basis of race, color, national origin or sex in the performance of this contract. The contractor shall carry out applicable requirements of 40 CFR Part 33 in the award and administration of contracts awarded under EPA financial assistance agreements. Failure by the contractor to carry out these requirements is a material breach of this contract which may result in the termination of this contract or other legally available remedies.

Each BIDDER is responsible for inspecting the site and for reading and being thoroughly familiar with the CONTRACT DOCUMENTS. The failure or omission of any BIDDER to do any of the foregoing shall in no way relieve any BIDDER from any obligation in respect to his or her BID.

Each BIDDER shall supply a list of all subcontractors that submitted proposals and if requested by the OWNER all major material suppliers.

Inspection trips for prospective BIDDERS will leave from the office of the ENGINEER, Edwin Hancock Engineering, Co., 9933 Roosevelt Road, Westchester, IL 60154.

BID FORM OR PROPOSAL

Proposal _____ of _____ (hereinafter called "BIDDER"), organized and existing under the laws of the State of _____ doing business as _____* to the _____ (hereinafter called "OWNER").

In compliance with your Advertisement for Bids, BIDDER hereby proposes to perform all WORK for the construction of the Maple Area Improvements, Village of Villa Park, Illinois in strict accordance with the CONTRACT DOCUMENTS, within the time set forth therein, and at the prices stated below.

BIDDER hereby agrees to commence WORK under this contract on or before a date to be specified in the NOTICE TO PROCEED and to fully complete the PROJECT within 180 _____ consecutive calendar days thereafter. BIDDER further agrees to pay as liquidated damages, the sum of \$ 1,000.00 _____ for each consecutive calendar day thereafter.

BIDDER certifies that all iron and steel products used in the project for the construction, alteration, maintenance, or repair of a public water system are produced in the United States in compliance with Section 436. (a) – (f) of H. R. 3547, "The Consolidated Appropriation Act, 2014".

* **Insert "a corporation", "a partnership", or "an individual" as applicable.**

By submission of the bid, each bidder certifies, and in the case of a joint bid each party to the joint bid certifies, as to his or her own organization, that in connection with the bid:

The prices in the bid have been arrived at independently, without consultation, communication, or agreement with any other bidder or with any competitor, for the purpose of restricting competition, as to any matter relating to the prices;

Unless otherwise required by law, the prices quoted in the bid have not knowingly been directly or indirectly disclosed to any other bidder or to any competitor prior to opening; and

No attempt has been made or will be made by the bidder to induce any other person or firm to submit or withhold a bid for the purpose of restricting competition;

Each person signing the bid shall certify that:

He or she is the person in the bidder's organization responsible for the decision as to the prices being bid and that he or she has not participated, and will not participate, in any action contrary to (I)(i) through (I)(iii) above; or

He or she is not the person in the bidder's organization responsible for the decision as to the prices being bid, but that he or she has been authorized to act as agent certifying that the persons determining the prices have not participated, and will not participate, in any action contrary to (I)(i) through (I)(iii) above, and as their bidder's agent shall so certify. He or she shall also certify that he or she has not participated, and will not participate, in any action contrary to (I)(i) through (I)(iii) above.

BIDDER acknowledges receipt of the following ADDENDUM (where applicable):

BIDDER certifies that wages paid in connection with the PROJECT shall be paid at prevailing rates not less than those prevailing under the Davis-Bacon Wage Act. Bidder further certifies that the provisions contained in the following clauses will be exercised in the performance of any contract resulting from this BID and are made a part of the CONTRACT DOCUMENTS thereto by their inclusion in the BID as follows:

Minimum wages.

All laborers and mechanics employed or working upon the site of the work, will be paid unconditionally and not less often than once a week, and without subsequent deduction or rebate on any account (except such payroll deductions as are permitted by regulations issued by the Secretary of Labor under the Copeland Act (29 CFR part 3)), the full amount of wages and bona fide fringe benefits (or cash equivalents thereof) due at time of payment computed at rates not less than those contained in the wage determination of the Secretary of Labor which is attached hereto and made a part hereof, regardless of any contractual relationship which may be alleged to exist between the contractor and such laborers and mechanics. Contributions made or costs reasonably anticipated for bona fide fringe benefits under section 1(b)(2) of the Davis Bacon Act on behalf of laborers or mechanics are considered wages paid to such laborers or mechanics, subject to the provisions of paragraph (a)(1)(iv) of this section; also, regular contributions made or costs incurred for more than a weekly period (but not less often than quarterly) under plans, funds, or programs which cover the particular weekly period, are deemed to be constructively made or incurred during such weekly period. Such laborers and mechanics shall be paid the appropriate wage rate and fringe benefits on the wage determination for the classification of work performed, without regard to skill, except as provided in §5.5(a)(4). Laborers or mechanics performing work in more than one classification may be compensated at the rate specified for each classification for the time actually worked therein: Provided, that the employer's payroll records accurately set forth the time spent in each classification in which work is performed. The wage determination (including any additional classification and wage rates conformed under paragraph (a)(1)(ii) of this section) and the Davis Bacon poster (WH-1321) shall be posted at all times by the contractor and its subcontractors at the site of the work in a prominent and accessible place where it can be easily seen by the workers. Sub recipients may obtain wage determinations from the U.S. Department of Labor's web site, <http://beta.sam.gov/>

(A) The sub-recipient, on behalf of USEPA, shall require that any class of laborers or mechanics, including helpers, which is not listed in the wage determination and which is to be employed under the contract shall be classified in conformance with the wage determination. The USEPA award official shall approve an additional classification and wage rate and fringe benefits therefore only when the following criteria have been met:

The work to be performed by the classification requested is not performed by a classification in the wage determination; and

The classification is utilized in the area by the construction industry; and

The proposed wage rate, including any bona fide fringe benefits, bears a reasonable relationship to the wage rates contained in the wage determination.

If the contractor and the laborers and mechanics to be employed in the classification (if known), or their representatives, and the sub-recipient agree on the classification and wage rate (including the amount designated for fringe benefits where appropriate), a report of the action taken shall be sent by the sub-recipient to IEPA. IEPA shall forward the report to the Administrator of the Wage and Hour Division, U.S. Department of Labor, Washington, DC 20210. The Administrator, or an authorized representative, will approve, modify, or disapprove every additional classification action within 30 days of receipt and so advise IEPA or will notify IEPA within the 30-day period that additional time is necessary.

In the even the contractor, the laborers or mechanics to be employed in the classification or their representatives, and the sub-recipient do not agree on the proposed classification and wage rate (including the amount designated for fringe benefits, where appropriate), IEPA shall refer the questions, including the views of all interested parties and the recommendation of the sub-recipient, to the Administrator for determination. The Administrator, or an authorized representative, will issue a determination within 30 days of receipt and so advise IEPA or will notify IEPA within the 30-day period that additional time is necessary.

The wage rate (including fringe benefits where appropriate) determined pursuant to paragraphs (a)(1)(ii)(B) or

(C) of this section, shall be paid to all workers performing work in the classification under this contract from the first day on which work is performed in the classification.

Whenever the minimum wage rate prescribed in the contract for a class of laborers or mechanics includes a fringe benefit which is not expressed as an hourly rate, the contractor shall either pay the benefit as stated in the wage determination or shall pay another bona fide fringe benefit or an hourly cash equivalent thereof.

If the contractor does not make payments to a trustee or other third person, the contractor may consider as part of the wages of any laborer or mechanic the amount of any costs reasonably anticipated in providing bona fide fringe benefits under a plan or program, Provided, that the Secretary of Labor has found, upon the written request of the contractor, that the applicable standards of the Davis Bacon Act have been met. The Secretary of Labor may require the contractor to set aside, in a separate account, assets for the meeting of obligations under the plan or program.

Withholding. The sub-recipient shall upon its own action or upon written request of an authorized representative of the Department of Labor withhold or cause to be withheld from the contractor under this contract or any other Federal contract with the same prime contractor, or any other federally-assisted contract subject to Davis Bacon prevailing wage requirements, which is held by the same prime contractor, so much of the accrued payments or advances as may be considered necessary to pay laborers and mechanics, including apprentices, trainees, and helpers, employed by the contractor or any subcontractor the full amount of wages required by the contract. In the event of failure to pay any laborer or mechanic, including any apprentice, trainee, or helper, employed or working on the site of the work, all or part of the wages required by the contract, the sub-recipient may, after written notice to the contractor, sponsor, applicant, or owner, take such action as may be necessary to cause the suspension of any further payment, advance, or guarantee of funds until such violations have ceased.

Payrolls and basic records.

Payrolls and basic records relating thereto shall be maintained by the contractor during the course of the work and preserved for a period of three years thereafter for all laborers and mechanics working at the site of the work. Such records shall contain the name, address, and social security number of each such worker, his or her correct classification, hourly rates of wages paid (including rates of contributions or costs anticipated for bona fide fringe benefits or cash equivalents thereof of the types described in section 1(b)(2)(B) of the Davis Bacon Act), daily and weekly number of hours worked, deductions made and actual wages paid. Whenever the Secretary of Labor has found under 29 CFR 5.5(a)(1)(iv) that the wages of any laborer or mechanic include the amount of any costs reasonably anticipated in providing benefits under a plan or program described in section 1(b)(2)(B) of the Davis Bacon Act, the contractor shall maintain records which show that the commitment to provide such benefits is enforceable, that the plan or program is financially responsible, and that the plan or program has been communicated in writing to the laborers or mechanics affected, and records which show the costs anticipated or the actual cost incurred in providing such benefits. Contractors employing apprentices or trainees under approved programs shall maintain written evidence of the registration of apprenticeship programs and certification of trainee programs, the registration of the apprentices and trainees, and the ratios and wage rates prescribed in the applicable programs.

(A) The contractor shall submit weekly for each week in which any contract work is performed a copy of all payrolls to the sub-recipient. Such documentation shall be available upon request of IEPA or USEPA. The payrolls submitted shall set out accurately and completely all of the information required to be maintained under 29 CFR 5.5(a)(3)(i), except that full social security numbers and home addresses shall not be included on weekly transmittals. Instead the payrolls shall only need to include an individually identifying number for each employee (e.g., the last four digits of the employee's social security number). The required weekly payroll information may be submitted in any form desired. Optional Form WH-347 is available for this purpose from the Wage and Hour Division Website, [<https://www.dol.gov/whd/forms/index.htm>]. The prime contractor is responsible for the submission of copies of payrolls by all subcontractors. Contractors and subcontractors shall maintain the full social security number and current address of each covered worker and shall provide them upon request to the sub-recipient, for transmission to the IEPA, USEPA, the contractor, or the Wage and Hour Division of the Department of Labor for purposes of an

investigation or audit of compliance with prevailing wage requirements. It is not a violation of this section for a prime contractor to require a subcontractor to provide addresses and social security numbers to the prime contractor for its own records, without weekly submission to the sub-recipient.

Each payroll submitted shall be accompanied by a "Statement of Compliance," signed by the contractor or subcontractor or his or her agent who pays or supervises the payment of the persons employed under the contract and shall certify the following:

That the payroll for the payroll period contains the information required to be provided under §5.5 (a)(3)(ii) of Regulations, 29 CFR part 5, the appropriate information is being maintained under §5.5 (a)(3)(i) of Regulations, 29 CFR part 5, and that such information is correct and complete;

That each laborer or mechanic (including each helper, apprentice, and trainee) employed on the contract during the payroll period has been paid the full weekly wages earned, without rebate, either directly or indirectly, and that no deductions have been made either directly or indirectly from the full wages earned, other than permissible deductions as set forth in Regulations, 29 CFR part 3;

That each laborer or mechanic has been paid not less than the applicable wage rates and fringe benefits or cash equivalents for the classification of work performed, as specified in the applicable wage determination incorporated into the contract.

The weekly submission of a properly executed certification set forth on the reverse side of Optional Form WH-347 shall satisfy the requirement for submission of the "Statement of Compliance" required by paragraph (a)(3)(ii)(B) of this section. The falsification of any of the above certifications may subject the contractor or subcontractor to civil or criminal prosecution under section 1001 of title 18 and section 231 of title 31 of the United States Code.

The contractor or subcontractor shall make the records required under paragraph (a)(3)(i) of this section available for inspection, copying, or transcription by authorized representatives of IEPA, USEPA or the Department of Labor, and shall permit such representatives to interview employees during working hours on the job. If the contractor or subcontractor fails to submit the required records or to make them available, the Federal agency may, after written notice to the contractor, sponsor, applicant, or owner, take such action as may be necessary to cause the suspension of any further payment, advance, or guarantee of funds. Furthermore, failure to submit the required records upon request or to make such records available may be grounds for debarment action pursuant to 29 CFR 5.12.

Apprentices and trainees

Apprentices. Apprentices will be permitted to work at less than the predetermined rate for the work they performed when they are employed pursuant to and individually registered in a bona fide apprenticeship program registered with the U.S. Department of Labor, Employment and Training Administration, Office of Apprenticeship Training, Employer and Labor Services, or with a State Apprenticeship Agency recognized by the Office, or if a person is employed in his or her first 90 days of probationary employment as an apprentice in such apprenticeship program, who is not individually registered in the program, but who has been certified by the Office of Apprenticeship Training, Employer and Labor Services, or a State Apprenticeship Agency (where appropriate) to be eligible for probationary employment as an apprentice. The allowable ratio of apprentices to journeymen on the job site in any craft classification shall not be greater than the ratio permitted to the contractor as to the entire work force under the registered program. Any worker listed on a payroll at an apprentice wage rate, who is not registered or otherwise employed as stated above, shall be paid not less than the applicable wage rate on the wage determination for the classification of work actually performed. In addition, any apprentice performing work on the job site in excess of the ratio permitted under the registered program shall be paid no less than the applicable wage rate on the wage determination for the work actually performed. Where a contractor is performing construction on a project in a locality other than that in which its program is registered, the ratios and wage rates (expressed in percentages of the journeyman's hourly rate) specified in the contractor's or subcontractor's registered program shall be observed. Every apprentice must be paid at not less than the rate specified in the registered program for the apprentice's level of progress, expressed as a percentage of the journeymen hourly rate specified in the applicable wage determination. Apprentices shall be paid fringe benefits

in accordance with the provisions of the apprenticeship program. If the apprenticeship program does not specify fringe benefits, apprentices must be paid the full amount of fringe benefits listed on the wage determination for the applicable classification. If the Administrator determines that a different practice prevails for the applicable apprentice classification, fringes shall be paid in accordance with that determination. In the event the Office of Apprenticeship Training, Employer and Labor Services, or a State Apprenticeship Agency recognized by the Office, withdraws approval of an apprenticeship program, the contractor will no longer be permitted to utilize apprentices at less than the applicable predetermined rate for the work performed until an acceptable program is approved.

Trainees. Except as provided in 29 CFR 5.16, trainees will not be permitted to work at less than the predetermined rate for the work performed unless they are employed pursuant to and individually registered in a program which has received prior approval, evidenced by form certification by the U.S. Department of Labor, Employment and Training Administration. The ratio of trainees to journeymen on the job site shall not be greater than permitted under the plan approved by the Employment and Training Administration. Every trainee must be paid at not less than the rate specified in the approved program for the trainee's level of progress, expressed as a percentage of the journeyman hourly rate specified in the applicable wage determination. Trainees shall be paid fringe benefits in accordance with the provisions of the trainee program. If the trainee program does not mention fringe benefits, trainees shall be paid the full amount of fringe benefits listed on the wage determination unless the Administrator of the Wage and Hour Division determines that there is an apprenticeship program associated with the corresponding journeyman wage rate on the wage determination which provides for less than full fringe benefits for apprentices. Any employee listed on the payroll at a trainee rate who is not registered and participating in a training plan approved by the Employment and Training Administration shall be paid not less than the applicable wage rate on the wage determination for the classification of work actually performed. In addition, any trainee performing work on the job site in excess of the ratio permitted under the registered program shall be paid not less than the applicable wage rate on the wage determination for the work actually performed. In the event the Employment and Training Administration withdraws approval of a training program, the contractor will no longer be permitted to utilize trainees at less than the applicable predetermined rate for the work performed until an acceptable program is approved.

Equal employment opportunity. The utilization of apprentices, trainees and journeymen under this part shall be in conformity with the equal employment opportunity requirements of Executive Order 11246, as amended, and 29 CFR part 30.

Compliance with Copeland Act requirements. The contractor shall comply with the requirements of 29 CFR part 3, which are incorporated by reference in this contract.

Subcontracts. The contractor or subcontractor shall insert in any subcontracts the clauses contained in 29 CFR 5.5(a)(1) through (10) and such other clauses as the USEPA may by appropriate instruction require, and also a clause requiring the subcontractors to include these clauses in any lower tier subcontracts. The prime contractor shall be responsible for the compliance by any subcontractor or lower tier subcontractor with all the contract clauses in 29 CFR 5.5.

Contract termination: debarment. A breach of the contract clauses in 29 CFR 5.5 may be grounds for termination of the contract, and for debarment as a contractor and a subcontractor as provided in 29 CFR 5.12.

Compliance with Davis Bacon and Related Act requirements. All rulings and interpretations of the Davis Bacon and Related Acts contained in 29 CFR parts 1, 3, and 5 are herein incorporated by reference in this contract.

Disputes concerning labor standards. Disputes arising out of the labor standards provisions of this contract shall not be subject to the general disputes clause of this contract. Such disputes shall be resolved in accordance with the procedures of the Department of Labor set forth in 29 CFR parts 5, 6, and 7. Disputes within the meaning of this clause include disputes between the contractor (or any of its subcontractors) and the contracting agency, the U.S. Department of Labor, or the employees or their representatives.

Certification of eligibility.

By entering into this contract, the contractor certifies that neither it (nor he or she) nor any person or firm who has an interest in the contractor's firm is a person or firm ineligible to be awarded Government contracts by virtue of section 3(a) of the Davis Bacon Act or 29 CFR 5.12(a)(1).

No part of this contract shall be subcontracted to any person or firm ineligible for award of a Government contract by virtue of section 3(a) of the Davis Bacon Act or 29 CFR5.12(a)(1).

The penalty for making false statements is prescribed in the U.S. Criminal Code, 18 U.S.C. 1001

Contract Provision for Contracts in Excess of \$100,000 - clauses (1) through (4) shall be inserted in full in any contract in excess of \$100,000 and subject to the overtime provisions of the Contract Work Hours and Safety Standards Act.

Contract Work Hours and Safety Standards Act

Overtime requirements. No contractor or subcontractor contracting for any part of the contract work which may require or involve the employment of laborers or mechanics shall require or permit any such laborer or mechanic in any workweek in which he or she is employed on such work to work in excess of forty hours in such workweek unless such laborer or mechanics receives compensation at a rate not less than one and one-half times the basic rate of pay for all hours worked in excess of forty hours in such workweek.

Violation; liability for unpaid wages; liquidated damages. In the event of any violation of the clause set forth in paragraph (b)(1) of this section the contractor and any subcontractor responsible therefor shall be liable for the unpaid wages. In addition, such contractor and subcontractor shall be liable to the United States (in the case of work done under contract for the District of Columbia or a territory, to such District or to such territory), for liquidated damages. Such liquidated damages shall be computed with respect to each individual laborer or mechanic, including watchmen and guards, employed in violation of the clause set forth in paragraph (b)(1) of this section, in the sum of \$25 for each calendar day on which such individual was required or permitted to work in excess of the standard workweek of forty hours without payment of the overtime wages required by the clause set forth in paragraph (b)(1) of this section.

Withholding for unpaid wages and liquidated damages. The sub-recipient, shall upon its own action or upon written request of the USEPA award official or an authorized representative of the Department of Labor, withhold or cause to be withheld, from any moneys payable on account of work performed by the contractor or subcontractor under any such contract or any other Federal contract with the same prime contractor, or any other federally-assisted contract subject to the Contract Work Hours and Safety Standards Act, which is held by the same prime contractor, such sums as may be determined to be necessary to satisfy any liabilities of such contractor or subcontractor for unpaid wages and liquidated damages as provided in the clause set forth in paragraph (b)(2) of this section.

Subcontracts. The contractor or subcontractor shall insert in any subcontracts the clauses set forth in paragraph (b)(1) through (4) of this section and also a clause requiring the subcontractors to include these clauses in any lower tier subcontracts. The prime contractor shall be responsible for compliance by any subcontractor or lower tier subcontractor with the clauses set forth in paragraphs (b)(1) through (4) of this section.

The following shall be inserted into any contract subject only to the Contract Work Hours and Safety Standards Act.

The contractor or subcontractor shall maintain payrolls and basic payroll records during the course of the work and shall preserve them for a period of three years from the completion of the contract for all laborers and mechanics, including guards and watchmen, working on the contract. Such records shall contain the name and address of each such employee, social security number, correct classifications, hourly rates of wages paid, daily

and weekly number of hours worked, deductions made, and actual wages paid. Further, the records to be maintained under this paragraph shall be made available by the contractor or subcontractor for inspection, copying, or transcription by authorized representatives of the USEPA and the Department of Labor, and the contractor or subcontractor will permit such representatives to interview employees during working hours on the job.

"General Decision Number: IL20200011 06/26/2020

Superseded General Decision Number: IL20190011

State: Illinois

Construction Types: Heavy and Highway

Counties: Boone, De Kalb, Du Page, Kane, Kendall, Lake, McHenry and Will Counties in Illinois.

HEAVY AND HIGHWAY CONSTRUCTION PROJECTS (does not include landscape projects).

Note: Under Executive Order (EO) 13658, an hourly minimum wage of \$10.80 for calendar year 2020 applies to all contracts subject to the Davis-Bacon Act for which the contract is awarded (and any solicitation was issued) on or after January 1, 2015. If this contract is covered by the EO, the contractor must pay all workers in any classification listed on this wage determination at least \$10.80 per hour (or the applicable wage rate listed on this wage determination, if it is higher) for all hours spent performing on the contract in calendar year 2020. If this contract is covered by the EO and a classification considered necessary for performance of work on the contract does not appear on this wage determination, the contractor must pay workers in that classification at least the wage rate determined through the conformance process set forth in 29 CFR 5.5(a)(1)(ii) (or the EO minimum wage rate, if it is higher than the conformed wage rate). The EO minimum wage rate will be adjusted annually. Please note that this EO applies to the above-mentioned types of contracts entered into by the federal government that are subject to the Davis-Bacon Act itself, but it does not apply to contracts subject only to the Davis-Bacon Related Acts, including those set forth at 29 CFR 5.1(a)(2)-(60). Additional information on contractor requirements and worker protections under the EO is available at www.dol.gov/whd/govcontracts.

Modification Number	Publication Date
0	01/03/2020
1	05/01/2020
2	05/08/2020
3	06/05/2020
4	06/19/2020
5	06/26/2020

CARP0555-003 06/01/2020

DUPAGE ANE LAKE COUNTIES

	Rates	Fringes
CARPENTER		
Building.....	\$ 49.76	35.86
Heavy & Highway.....	\$ 49.76	35.86

CARP0555-008 06/01/2020

WILL COUNTY

	Rates	Fringes
Carpenter and Piledriver.....	\$ 49.76	38.26

CARP0555-011 06/01/2020

KANE, McHENRY (North of Hwy 52), AND KENDALL COUNTIES

	Rates	Fringes
Carpenter and Piledriver.....	\$ 49.76	35.87

CARP0790-003 05/01/2020

DE KALB COUNTY

	Rates	Fringes
CARPENTER.....	\$ 43.56	31.72

CARP0790-004 05/01/2020

CARROLL, JO DAVIESS, LEE, OGLE (Oregon and South thereof),
STEPHENSON, and WHITESIDE COUNTIES

	Rates	Fringes
CARPENTER.....	\$ 43.56	31.72

CARP0792-003 05/01/2020

BOONE COUNTY

	Rates	Fringes
CARPENTER.....	\$ 45.10	30.18

ELEC0009-002 05/31/2020		

WILL COUNTY

	Rates	Fringes
Line Construction		
Groundman.....	\$ 42.82	61.93%
Lineman and Equipment		
Operator.....	\$ 54.90	61.93%

ELEC0117-001 06/03/2019		

KANE (Northern Half) and McHENRY (All) COUNTIES

	Rates	Fringes
ELECTRICIAN.....	\$ 49.99	34%+16.80

ELEC0150-001 07/01/2017		

LAKE COUNTY

	Rates	Fringes
ELECTRICIAN.....	\$ 40.00	38.49

ELEC0176-011 06/01/2018		

WILL COUNTY

	Rates	Fringes
ELECTRICIAN.....	\$ 43.50	39.26

ELEC0196-001 03/02/2020		

BOONE, DEKALB, DUPAGE, KANE, KENDALL, LAKE, and MCHENRY COUNTIES

	Rates	Fringes
Line Construction		
Equipment Operator.....	\$ 44.61	36.25%+6.50+A
Groundman Truck Driver.....	\$ 35.52	36.25%+6.50+A
Groundman.....	\$ 34.27	36.25%+6.50+A
Lineman, Substation		
Technician, Cable Splicing		

Technician, Digger
Operator, Crane Operator
20 tons and above, and
Signal Technician.....\$ 53.63 36.25%+6.50+A

FOOTNOTE: A. PAID HOLIDAYS: Memorial Day, Independence
Day, Labor Day, and Thanksgiving Day

* ELEC0364-003 06/01/2020

BOONE (All) & DEKALB (Remainder) COUNTIES

	Rates	Fringes
ELECTRICIAN.....	\$ 48.62	36.97

* ELEC0461-006 06/08/2020

DEKALB (Sandwich TWP), KANE (Southern Half) & KENDALL (All)
COUNTIES

	Rates	Fringes
ELECTRICIAN.....	\$ 49.94	35.28

ELEC0701-001 06/03/2019

DUPAGE COUNTY

	Rates	Fringes
ELECTRICIAN.....	\$ 41.00	105.86%

ENGI0150-015 06/01/2020

BOONE and DE KALB COUNTIES

	Rates	Fringes
OPERATOR: Power Equipment		
Group 1.....	\$ 47.00	42.70
Group 2.....	\$ 46.45	42.70
Group 3.....	\$ 45.15	42.70
Group 4.....	\$ 43.70	42.70
Group 5.....	\$ 42.25	42.70

POWER EQUIPMENT OPERATOR CLASSIFICATIONS

GROUP 1: Asphalt Plant; Asphalt Heater and Planer
combination; Asphalt Spreader; Asphalt Silo Tender;
Autograder, GOMACO or similar; Belt Loader; Caisson Rigs;
Car Dumper, Central Redi-Mix Plant; Combination Backhoe

Front End Loader Machine (1 cu yd or over Backhoe bucket with attachments); Backhoe with Shear attachment; Concrete Breaker (truck mounted); Concrete Conveyor; Concrete Paver over 27E cu ft; Concrete Placer; Concrete Tube Float; Cranes, all attachments; Cranes, Hammerhead, Linden, Peco and machines of a like nature; Creter Crane; Crusher, stone; Derricks; Derrick Boats; Derricks, traveling; Dredges; Field Mechanic Welder; Formless Curb and Gutter Machine; Gradall and machines of a like nature; Grader, Elevating; Grader, Motor Grader, Motor Patrol, Auto Patrol, Form Grader, Pull Grader, Subgrader; Guard Rail Post Driver mounted; Hoists, one, two, and three Drum; Hydraulic Backhoes; Locomotive, all Mucking Machine; Pile Drivers and Skid Rig; Pre-Stress Machine; Pump Cretes Dual Ram; Rock Drill-Crawler or Skid Rig; Rock Drill truck mounted; Roto Mill Grinder, 36" and over; Roto Mill Grinder, less than 36"; Slip- Form Paver; Soil Test Drill Rig, truck mounted; Straddle Buggies; GCI Crane and similar; Hydraulic Telescoping Form (tunnel); Tie Back Machine; Tractor Drawn Belt Loader: Tractor Drawn Belt Loader with attached Pusher; Tractor with boom; Tractaire with attachment; Traffic Barrier Conveyor Machine; Raised or Blind Hoe Drill (Tunnel & Shaft); Trenching Machine; Truck Mounted Concrete Pump with boom; Truck mounted Concrete Conveyor; Underground Boring and/or Mining Machines under 5 ft; Wheel Excavator & Widener (Apsco)

GROUP 2: Batch Plant; Bituminous Mixer; Bobcats over .75 cu yd; Boiler and Throttle Valve; Bulldozer; Car Loader Trailing Conveyors; Combination Backhoe Front End Loader Machine, less than 1 cu yd Backhoe Bucket with attachments; Compressor and Throttle Valve; Compressor, common receiver (3); Concrete Breaker or Hydro Hammer; Concrete Grinding Machine; Concrete Mixer or Paver 7S series to and including 27 cu ft; Concrete Spreader; Concrete Curing Machine, Burlap Machine; Belting Machine and Sealing Machine; Conveyor Muck Cars (Haglund or similar type); Finishing Machine-Concrete; Greaser Engineer; Highlift Shovels or Front End Loader; Hoist-Sewer Dragging Machine; Hydraulic Boom Trucks, all attachments; Locomotives, Dinky; Pump Cretes, Squeeze Cretes-Screw Type pumps, Gypsum Bulker and Pump; Roller Asphalt; Rotary Snow Plows; Rototiller, Seaman, etc self-Propelled; Scoops-Tractor Drawn; Self-propelled Compactor; Spreader-Chip- Stone etc; Scraper; Scraper-Prime Mover in Tandem regardless of size (add \$1.00 to to Group 2 hourly rate for each hour and for each machine attached thereto); Tank Car Heater; Tractors, Push, pulling Sheeps Foot, Disc, or Compactor, etc; Tug Boats

GROUP 3: Boilers; Brooms, all power propelled; Cement Supply Tender; Compressor, Common Receiver (2); Concrete Mixer, two bag and over; Conveyor, Portable; Farm type Tractors

used for mowing, seeding, etc; Fireman on Boilers; Forklift Trucks; Grouting Machines; Hoists, Automatic; Hoists, all Elevators; Hoists, Tugger single Drum; Jeep Diggers; Pipe Jacking Machines; Post- hole Digger; Power Saw, Concrete, Power Driven; Pug Mills; Rollers, other than asphalt; Seed and Straw Blower; Steam Generators; Stump Machine; Winch Trucks with A-Frame; Work Boats; Tamper-Form motor driven

GROUP 4: Air compressor - Small 185 and under (1 to 5 not to exceed a total of 300 ft); Air Compressor - Large over 185; Asphalt Spreader Backend Man; Combination - Small Equipment Operator; Generators - Small 50 kw and under; Generators - Large , over 50 kw; Heaters, Mechanical; Hydraulic power unit (Pile Driving, Extracting or Drilling); Light Plants All (1 to 5); Pumps, over 3" (1 to 3, not to exceed a total of 300 ft); Pumps, Well Points; Tractaire; Welding Machines (2 through 5); Winches, 4 small electric drill winches; Bobcats up to and including .75 cu yd

GROUP 5: Oilers

PREMIUM PAY:

Long Boom :

Cranes & Derricks 90' to 150' including jib receive an extra \$.50 per hour. Cranes & Derricks over 150' including jib receive an extra \$.50 per hour plus an additional \$.10 for each additional 10' of boom or jib.

Capacity Pay: Cranes & Derricks with maximum capacity exceeding 50 ton with less than 90' of boom or jib shall be compensated \$.01 per hour for each ton of the rated capacity in excess of 50 ton.

Long Boom pay and Capacity pay cannot be combined.

Crane mounted earth auger, raised and blind hole drills, and truck mounted drill rigs receive an extra \$.50 per hour.

Creter Cranes:

When the Creter Crane is equipped with a conveyor system capable of extending 70' or more, the engineer shall receive an extra \$.50 per hour.

Truck Mounted Concrete Pumps:

When the Truck Mounted Concrete Pump is equipped with a boom, which is capable of extending 90' or more, the engineer shall receive \$.50 per hour extra.

Truck Mounted Concrete Conveyor:

Truck Mounted Concrete Conveyors equipped with conveyors that are capable of extending 90' or more, the engineer shall receive an extra \$.50 per hour.

Underground Work:

Employees working in tunnels, shafts, etc. shall be paid an additional \$.40 per hour. Employees working under air pressure 1/2 pound to 7 pounds shall receive an additional \$.50 per hour. Employees working under air pressure of 7 pounds or over shall receive \$.65 per hour more.

Mining Machines- Boring Machines:

The crew operating and maintaining the Mining Machines shall be compensated an additional \$.50 per hour.

* ENGI0150-024 06/01/2020

DUPAGE, KANE, KENDALL, LAKE, McHENRY, and WILL COUNTIES

	Rates	Fringes
OPERATOR: Power Equipment		
GROUP 1.....	\$ 50.30	42.90
GROUP 2.....	\$ 49.75	42.90
GROUP 3.....	\$ 47.70	42.90
GROUP 4.....	\$ 46.30	42.90
GROUP 5.....	\$ 45.10	42.90

POWER EQUIPMENT OPERATOR CLASSIFICATIONS

GROUP 1: Asphalt Plant*; Asphalt Heater and Planer combination; Asphalt Heater Scarfire*, Asphalt Spreader; Autograder/ GOMACO or similar; ABG Paver*, Backhoes with Caisson attachment*, Ballast Regulator, Belt Loader*; Caisson Rigs*Car Dumper, Central Redi-Mix Plant*, Combination Backhoe; Front End Loader Machine (1 cu yd or over Backhoe bucket or with attachments); Concrete Breaker (truck mounted); Concrete Conveyor; Concrete Paver over 27E cu ft*; Concrete Placer*; Concrete Tube Float; Cranes, all attachments*; Cranes, Hammerhead, Linden, Peco and machines of a like nature*; Creter Crane; Crusher, stone; All Derricks; Derrick Boats; Derricks, traveling*; Dowell Machine with Air Compressor (\$1.00 above Class 1); Dredges*; Field Mechanic Welder; Formless Curb and Gutter Machine*; Gradall and machines of a like nature*; Grader, Elevating; Grader, Motor Grader, Motor Patrol, Auto Patrol, Form Grader, Pull Grader, Subgrader; Guard Rail Post Driver mounted*; Hoists, one, two, and three Drum; Hydraulic Backhoes*; Backhoes with Shear attachments*; Mucking Machine; Pile Drivers and Skid Rig*; Pre-Stress Machine; Pump Cretes Dual Ram (requires frequent lubrication and water)*; Rock Drill- Crawler or Skid Rig*; Rock Drill truck mounted*; Rock/ Track Tamper; Roto Mill Grinder, (36" and over)*; Slip-Form Paver*; Soil Test Drill Rig, truck mounted*; Straddle Buggies; Hydraulic Telescoping Form (tunnel); Tractor Drawn Belt Loader*; Tractor Drawn Belt

Loader with attached Pusher (two engineers); Tractor with boom; Tractaire with attachment; Traffic Barrier Transfer Machine*; Trenching Machine; Truck Mounted Concrete Pump with boom*; Underground Boring and/or Mining Machines 5 ft in diameter and over tunnel, etc.*; Wheel Excavator* & Widener (Apsco); Raised or Blind Hoe Drill, Tunnel & Shaft*

GROUP 2: Batch Plant*; Bituminous Mixer; Boiler and Throttle Valve; Bulldozer; Car Loader Trailing Conveyors; Combination Backhoe Front End Loader Machine, (less than 1 cu yd Backhoe Bucket with attachments); Compressor and Throttle Valve; Compressor, common receiver (3); Concrete Breaker or Hydro Hammer; Concrete Grinding Machine; Concrete Mixer or Paver 7S series to and including 27 cu ft; Concrete Spreader; Concrete Curing Machine; Burlap Machine; Belting Machine and Sealing Machine; Concrete Wheel Saw; Conveyor Muck Cars (Haglund or similar type); Drills (all); Finishing Machine-Concrete; Greaser Engineer; Highlift Shovels or Front End Loader; Hoist- Sewer Dragging Machine; Hydraulic Boom Trucks, all attachments; Hydro-Blaster (requires two operators); Laser Screed*; Locomotives, Dinky; Off-Road Hauling Units (including articulating); Pump Cretes; Squeeze Cretes-Screw Type pumps, Gypsum Bulker and Pump; Roller Asphalt; Rotary Snow Plows; Rototiller, Seaman, self-Propelled; Scoops-Tractor Drawn; Self- propelled Compactor; Spreader-Chip-Stone; Scraper; Scraper-Prime Mover in Tandem regardless of size (add \$1.00 to Group 2 hourly rate for each hour and for each machine attached thereto add \$1.00 to Group 2 hourly rate for each hour); Tank Car Heater; Tractors, Push, pulling Sheeps Foot, Disc, or Compactor, etc; Tug Boats

GROUP 3: Boilers; Brooms, all power propelled; Cement Supply Tender; Compressor, Common Receiver (2); Concrete Mixer, two bag and over; Conveyor, Portable; Farm type Tractors used for mowing, seeding, etc; Fireman on Boilers; Forklift Trucks; Grouting Machines; Hoists, Automatic; Hoists, all Elevators; Hoists, Tugger single Drum; Jeep Diggers; Low Boys; Pipe Jacking Machines; Post-hole Digger; Power Saw, Concrete, Power Driven; Pug Mills; Rollers, other than asphalt; Seed and Straw Blower; Steam Generators; Stump Machine; Winch Trucks with A-Frame; Work Boats; Tamper-Form motor driven

GROUP 4: Air compressor - Small 250 and under (1 to 5 not to exceed a total of 300 ft); Air Compressor - Large over 250; Combination - Small Equipment Operator; Directional Boring Machine; Generators - Small 50 kw and under; Generators - Large , over 50 kw; Heaters, Mechanical; Hydraulic power unit (Pile Driving, Extracting or Drilling); Light Plants (1 to 5); Pumps, over 3"" (1 to 3, not to exceed a total of 300 ft); Pumps, Well Points; Tractaire; Welding Machines (2 through 5); Winches, 4 small electric drill winches;

GROUP 5: Bobcats (All); Brick Forklifts; Oilers; Directional Boring

*Requires Oiler

IRON0001-014 06/01/2019

DU PAGE (Eastern 1/4), LAKE, AND MCHENRY (Hebron, Woodstock, and East thereof) COUNTIES

	Rates	Fringes
IRONWORKER		
Sheeter.....	\$ 50.88	39.37
Structural and Reinforcing..	\$ 50.63	39.37

IRON0063-003 06/01/2020

LAKE, DUPAGE (Eastern 1/4) and McHENRY (HEBRON, WOODSTOCK & EAST THEREOF) COUNTIES

	Rates	Fringes
IRONWORKER, ORNAMENTAL.....	\$ 51.63	37.73

IRON0393-003 06/01/2019

DEKALB (SOUTHEASTERN 2/3 including Sycamore and Dekalb), DUPAGE (REMAINDER), KANE, KENDALL (NORTHERN PART), and MCHENRY (SOUTHEAST 1/4) COUNTIES

	Rates	Fringes
IRONWORKER.....	\$ 47.00	36.79

IRON0444-006 06/01/2018

KENDALL (Southern Part) and WILL COUNTIES

	Rates	Fringes
IRONWORKER.....	\$ 43.00	38.20

IRON0498-003 06/01/2019

BOONE, DEKALB (EXCEPT Southeast), and MCHENRY (Northwest) COUNTIES

	Rates	Fringes
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IRONWORKER.....\$ 40.25 40.53

LABO0002-004 06/01/2018

DUPAGE COUNTY

Rates Fringes

LABORER (SEWER CONSTRUCTION)

GROUP 1.....	\$ 42.72	28.19
GROUP 2.....	\$ 42.85	28.19
GROUP 3.....	\$ 42.95	28.19
GROUP 4.....	\$ 43.07	28.19
GROUP 5.....	\$ 42.72	28.19

LABORER CLASSIFICATIONS

GROUP 1: Signalmen Top Laborers, and all other Laborers not Mentioned.

GROUP 2: Concrete Laborers; Steel Setters.

GROUP 3: Cement Carriers; Cement Mixers; Concrete Repairmen; Mortar Men; Scaffold Men; and Second Bottom Men.

GROUP 4: Bottom Men; Bracers-Bracing; Bricklayer's Tender; Catch Basin Digger; Drainlayer; Dynamiter; Form Men; Jackhammermen; Powerpac; Pipelayers; Rodders; Welders & Burners; Well Point System Men.

GROUP 5: Asbestos Abatement Laborers, Toxic and Hazardous Waste Removal Laborers & Dosimeter use (any device) Monitoring Nuclear Exposure.

LABO0002-009 06/01/2018

DU PAGE COUNTY

Rates Fringes

LABORER (Compressed Air)

0 - 15 lbs.....	\$ 43.72	28.19
16 - 20 lbs.....	\$ 44.22	28.19
21 - 26 lbs.....	\$ 44.72	28.19
27 - 33 lbs.....	\$ 45.72	28.19
34 lbs and over	\$ 46.72	28.19

LABORER (Tunnel and Sewer)

GROUP 1.....	\$ 42.72	28.19
GROUP 2.....	\$ 42.85	28.19
GROUP 3.....	\$ 42.95	28.19
GROUP 4.....	\$ 43.07	28.19
GROUP 5.....	\$ 42.72	28.19

LABORER CLASSIFICATIONS (TUNNEL)

GROUP 1: Cage tenders; Dumpmen; Flagmen; Signalmen; Top laborers

GROUP 2: Air hoist operator; Key board operator; concrete laborer; Grout; Lock tenders (Free Air Side); Steel setters; Tuggers; Switchmen; Car pusher

GROUP 3: Concrete repairmen; Lock tenders (pressure side); Mortar men; Muckers; Grout machine operators; Track layers

GROUP 4: Air trac drill operator; Miner; Bricklayer tenders; Concrete blower operator; Drillers; Dynamiters; Erector operator; Form men; Jackhammermen; Powerpac; Mining machine operators; Mucking machine operator; Laser beam operator; Liner plate and ring setters; Shield drivers; Power knife operator; Welder- burners; Pipe jacking machine operator; skimmers; Maintenance technician

GROUP 5: Asbestos abatement laborer; Toxic and hazardous waste removal laborer; Dosimeter (any device) monitoring nuclear exposure

LABORER CLASSIFICATIONS (SEWER)

GROUP 1: Signalmen; Top laborers and All other laborers

GROUP 2: Concrete laborers and Steel setters

GROUP 3: Cement carriers; Cement mixers; Concrete repairmen; Mortar men; Scaffold men; Second Bottom men

GROUP 4: Air trac drill operator; Bottom men; Bracers-bracing; Bricklayer tenders; Catch basin diggers; Drainlayers; dynamiters; Form men; Jackhammermen; Powerpac; Pipelayers; Rodders; Welder-burners; Well point systems men

GROUP 5: Asbestos abatement laborer, Toxic and hazardous waste removal laborer; Dosimeter (any device) monitoring nuclear exposure

LABO0032-007 05/01/2020

DE KALB COUNTY

	Rates	Fringes
LABORER		
General Laborer.....	\$ 37.34	34.12
Skilled Laborer.....	\$ 40.39	34.12

LABORER CLASSIFICATIONS

General Laborer: Carpenter Tender, Tool Cribman, Fireman or Salamander Tender, Flagman, Gravel Box Man, Bumpman & Spotter, Form Handler, Material Handler, Fencing Laborer, Cleaning Lumber, Pit Man, Material Checker, Landscaper, Unloading Explosives, Laying of Sod, Planting of Trees, Asphalt Workers With Machine & Layers, Asphalt Plant Laborer, Wrecking, Fire-proofing, Driving Stakes, Stringlines for All Machinery, Window Cleaning, Demolition Worker, Explosive Handling, Trimming & Removal of Trees, Multi-Plate Pipe, Pilot Cars for Traffic Control, Power Rigging

Skilled Laborer: Asbestos Abatement Worker; Hazardous Waste Worker Handling any Materials with any Foreign Matter Harmful to Skin or Clothing, Track Labor, Cement Handler, Chloride Handler, Unloading & Laborers with Steel Workers & Re-bars, Wet Concrete Workers, Tunnel Tenders in Free Air, Batch Dumper, Mason Tender, Kettle & Tar Man, Tank Cleaner, Plastic Installer, Scaffold Worker, Motorized Buggies or Motorized Unit Used For Wet Concrete or Handling of Building Materials, Laborers With De-Watering Systems, Sewer Workers Plus Depth, Vibrator Operator; Cement Silica, Clay, Fly Ash, Lime & Plasters Handlers (Bulk or Bag); Cofferdam Worker Plus Depth, Concrete Paving, Placing, Cutting & Tying of Reinforcing, Deck Hand, Dredge Hand and Shore Laborer, Bankman on Floating Plant, Grade Checker, Power Tools, Front End Man on Chip Spreader, Caisson Worker Plus Depth, Gunnite Nozzleman, Leadman on Sewer Work, Welder, Cutter, Burner & Torchman, Chain Saw Operator, Jackhammer & Drill Operator, Layout Man and/or Tile Layer, Steel Form Setter - Street & Highway, Air Tamping Hammerman, Signal Man On Crane, Concrete Saw Operator, Screenman on Asphalt Paver, Tending Masons with Hot Material or Where Foreign Materials are used, Mortar Mixer Operator, Multiple Concrete Duct - Leadman, Luteman, Asphalt Raker Curb Asphalt Machine Operator, Ready Mix Scaleman Permanent Portable or Temporart Plant, Laborer Handling Masterplate or Similar Materials, Laser Beam Operator, Concrete Burning Machine Operator, Coring Machine Operator, Plaster Tender, Underpinning & Shoring of Buildings, Pump Man, Manhole & Catch Basin, Dirt & Stone Tamper, Hoseman on Concrete Pump.

LABO0075-002 06/01/2017

WILL COUNTY

Rates Fringes

LABORER

GROUP 1.....\$ 41.20 27.47

GROUP 2.....	\$ 41.55	27.47
GROUP 3.....	\$ 41.20	27.47
GROUP 4.....	\$ 41.55	27.47
GROUP 5.....	\$ 41.40	27.47
GROUP 6.....	\$ 41.55	27.47
GROUP 7.....	\$ 41.40	27.47

LABORER CLASSIFICATIONS

GROUP 1 - Mortar mixers, handling asphalt shingles; Scaffolds; Sewer and trench work (ground level down to 8 feet); Catch basin and manhole diggers, mesh handling on road work; Cement and mineral filler handler; Concrete puddlers; Batch dumpers (cement & asphalt); Vibrator operators; Sand and stone wheelers to mixer Handlers); Concrete wheelers; Airtamping hammermen; Concrete & paving breakers; Rock drillers/Jackhammermen; Chipping hammermen 1-Bag mixer; Asphalt laborer; Chain and power saws; Pit men; Fencing laborers; Mason tenders (mortar and brick wheeler); Kettlemen & tarmen, tank cleaners; Scaffold and staging laborers; Pot Firemen (tarmen); Heaters tender for any purpose; Water pumps (portable water pumps shall be tended by laborers if the employer determines tending is required); Rip rap; Handling of slab steel road forms in any manner, except road form setting, setting center strips, Contraction and expansion joints (road work); Unloading and handling of lumber, brick, transite materials, cast iron water pipe, reinforced concrete rods, sewer and drain tile, railroad tiles and all other creosoted materials; paving blocks and concrete forms; Handling of insulation of any type; all work involving the unloading of materials, fixtures, or furnishing, whether crated or uncrated; all mortar and composition mixers of sewer work; track laborers; Chimney and silo laborers working at a height of 1 to 48 feet; All laborers working on swinging suspended, or any type or make of scaffolding 1 to 48 feet; All laborers working inside a sphere or any type or make of tank; Working inside a sphere or any type or make of tank from bottom to a height of 48 feet; Form strippers (any type); Mechanical or motorized buggies, for concrete or masons employers; Use of skid steer loads or any other machinery which replaces the wheelbarrow or buggy; Handling multiple concrete duct or any other type of pipe used in public utility work unless otherwise specified herein; Snapping of wall ties and removal of rods; drilling of anchor bolt holes; Concrete or asphalt clipper type saws and self-propelled saws; Shoulder and grade laborers; All hydraulic electric and air or any other type of tools; Grouting and caulking; Cleaning lumber, Nail pulling, Deck hand; Dredgehand; Shore laborer; Bankmen on Floating Plant; Tool and material checkers; Signalmen and Flagmen on all construction work; Cleaning of debris; Removal of trees; Concrete curing, temporary concrete protection regardless

of manner or materials used; Laborers on Apsco; Janitorial;
Wrecking and demolition laborers

GROUP 2 - Sewer and drain pipe layers and multiple concrete duct or any other type of pipe used, on public utility work (ground level to 8 feet); Pumpcrete pipe handlers

GROUP 3 - Asphalt rakers; Hod carriers; Plasterer laborers; Gunnite laborers, Slab for setters on roads, highways, streets, airport runaways, and radii (any type of form) stringline men for all aforementioned work; Wagon and tower drillers on land and floating plant used on dredging; Asphalt gunners and plug men (undercoating on road work); Mortar pump laborers; Plaster pump laborers

GROUP 4 - Tunnel miners, and all laborers inside tunnel; Air blow pipemen; Torchmen (burners); Mortaring men on sewer and drain pipe (the applying of mortar and composition mixes); All bottom men on sewer work-all sewer and drain pipelayers-multiple concrete duct or any other type of pipe used on public utility work-8 feet or more below ground level, and all other sewer and trench laborers 8 feet or more below ground level regardless of excavation area; All labor work inside cofferdam; Use of a 10 foot or more drill steel for hand held drills; Caisson laborers ground level down 15 feet; All air tools 8 feet or more below ground level; All laborers working on swinging-suspended or any type or make of scaffolds, 48 feet to 100 feet; All chimney and silo laborers working at a height of 48 to 100 feet; All tamping hammers over 150 lbs.; All laborers working inside of a sphere or any type or make of tank at a height of 48 feet to 100 feet; all hydraulic, electric and air tools or any other type 8 feet or more below ground level; Vibrators-any type-8 feet or more below ground level

GROUP 5 - Gunnite nozzle men; Caisson laborers and all tamping hammers from 150 lbs and over; from 15 feet below ground level down to 50 feet; and all laborers working inside of a sphere or any type of tank for every additional 50 feet or part thereof above 100 feet in height

GROUP 6 - All underground cavern laborers; Caisson laborers 50 feet or more below ground level; Laborers working under radio active conditions (suiting up); Blasting men (Powdermen)

GROUP 7 - Dosimeter (any device) used for monitoring nuclear exposure; Asbestos abatement worker; Toxic and hazardous waste removal laborer; and chimney and silo laborers for every additional 50 feet or any part thereof above 100 feet high

LABO0149-002 06/01/2018

BOONE, KANE, KENDALL, AND McHENRY COUNTIES

	Rates	Fringes
LABORER		
GROUP 1.....	\$ 42.72	28.19
GROUP 2.....	\$ 43.00	28.19
GROUP 3.....	\$ 43.00	28.19
GROUP 4.....	\$ 43.00	28.19
GROUP 5.....	\$ 42.95	28.19
GROUP 6.....	\$ 43.07	28.19
GROUP 7.....	\$ 43.07	28.19
GROUP 8.....	\$ 42.72	28.19
GROUP 9.....	\$ 43.72	28.19

LABORER CLASSIFICATIONS

GROUP 1: Common laborer, Asphalt laborer, Asphalt plant laborer, Striping laborer, Clipper type concrete saw, Self-propelled saws

GROUP 2: Air tampers & Vibrators

GROUP 3: Mortar & Concrete mixers

GROUP 4: Stringline & form setter; Torchman (demolition), Sheeting & Cribbing, Black top rakers & lutemen, Machine screwmen

GROUP 5: Chain saw man, Jackhammer man, Drillman, Concrete breaders & air spade,

GROUP 6: Tunnel laborers, Tile layers & bottom men

GROUP 7: Caisson diggers, Dynamiters

GROUP 8: Flagman

GROUP 9: Asbestos apatement laborers, Toxic & hazardous waste removal laborers & Dosimeter (any device) monitoring nuclear exposure

LABO0152-003 06/01/2017

LAKE COUNTY

	Rates	Fringes
LABORER		
GROUP 1.....	\$ 41.20	27.47
GROUP 2.....	\$ 41.28	27.47
GROUP 3.....	\$ 41.20	27.47
GROUP 4.....	\$ 41.43	27.47

GROUP 5.....	\$ 41.40	27.47
GROUP 6.....	\$ 41.40	27.47

LABORER CLASSIFICATIONS

GROUP 1: General laborers; Asphalt

GROUP 2: Cement gun laborers

GROUP 3: Asphalt Tampers and Smoothers

GROUP 4: Rakers and Lutemen; Machine screwman; Kettleman; Mixermen, Drum-Men; Jackhammermen (Asphalt); Mite Box Spreaders; Laborers on birch overman and similar spreader equipment; Laborers on apSCO; Laborers on Air Compressors; Paving Form Setters; Jackhammerman (Concrete); Power Drive Concrete Saws

GROUP 5: Cement Gun Nozzle (Gunitite)

GROUP 6: Asbestos abatement laborers; Toxic and hazardous waste removal laborers; Dosimeter (any device monitoring nuclear exposure)

PAIN0014-003 06/01/2018

LAKE and WILL COUNTIES

	Rates	Fringes
PAINTER: Brush Only.....	\$ 46.55	27.24

PAIN0030-001 06/01/2019

DE KALB, DU PAGE, KANE, KENDALL AND MCHENRY COUNTIES

	Rates	Fringes
PAINTER		
Brush, Drywall		
Taper/Finisher,		
Sandblaster, and Spray.....	\$ 47.30	22.53

PAIN0030-004 06/01/2019

BOONE, JO DAVIESS, LEE, OGLE, STEPHENSON AND WINNEBAGO COUNTIES

Rates Fringes

PAINTER

Brush, Roller, Spray,
Sandblasting, Paperhanger,
Drywall Finishing, Taper,
and Spray Structural Steel...\$ 40.65 23.66

PLAS0011-002 06/01/2019

WILL COUNTY

Rates Fringes

CEMENT MASON/CONCRETE FINISHER...\$ 43.00 38.16

PLAS0011-008 06/01/2019

DE KALB, KANE, KENDALL, AND McHENRY COUNTIES

Rates Fringes

CEMENT MASON/CONCRETE FINISHER...\$ 47.01 34.10

PLAS0011-013 06/01/2019

LAKE COUNTY

Rates Fringes

CEMENT MASON/CONCRETE FINISHER...\$ 45.53 35.60

PLAS0011-015 06/01/2019

BOONE COUNTY

Rates Fringes

CEMENT MASON/CONCRETE FINISHER...\$ 37.75 30.22
PLASTERER.....\$ 34.78 31.33

PLAS0803-001 08/01/2010

DUPAGE COUNTY

Rates Fringes

CEMENT MASON/CONCRETE FINISHER...\$ 38.00 24.03

* TEAM0179-002 06/01/2017

KENDALL and WILL COUNTIES

Rates Fringes

TRUCK DRIVER

2 or 3 Axle Trucks.....	\$ 37.68	0.15+a
4 Axle Trucks.....	\$ 37.83	0.15+a
5 Axle Trucks.....	\$ 38.03	0.15+a
6 Axle Trucks.....	\$ 38.23	0.15+a

FOOTNOTES:

- a. \$733.20 per week.
- b. Lowboy rate based on number of axles

An additional \$.20 per axle shall be paid for all vehicles with more than six (6) axles.

CLASSIFICATIONS:

Group 1 - Frame Truck when used for transportation purposes; Air Compressor and Welding Machines, including those pulled by cars, pick-up trucks and tractors; Ambulances; Articulated Dumps; Batch Gate Lockers; Batch Hopperman; Car and Truck Washers; Carry Alls; Forl Lifts and Hoisters; Helpers; Mechanics Helpers and Greasers; Oil Distributors, two-man operation; Pavement Breakers; Pole Trailer, up to 40 feet; Pothole Repair Trucks; Power Mower Tractors; Quick Change Barrier; Self-Propelled Chip Spreader; Shipping and Receiving Clerks and Checkers; Skipman; Slurry Trucks, two-man operation; Slurry Trucks, Conveyor Operated - 2 or 3 man operation; Teamsters; Unskilled Dumpmen; Warehousemen and Dockmen; Truck Drivers hauling warning lights, barricades, and portable toilets on the job site

Group 2 - Dispatcher; Dump Crets and Adgetators under 7 yards; Dumpsters, Track Trucks, Euclids, Hug Bottom Dump Turnapulls or Turntrailers when pulling other than self-loading equipment or similar equipment under 16 cubic yards; Mixer Trucks under 7 yards; Ready-Mix Plant Hopper Operator; Winch Trucks, 2 Axles

Group 3 - Dump Crets and Adgetators, 7 yards and over; Dumpsters, Track Trucks, Euclids, Hug Bottom Dump Turnapulls or Turntrailers when pulling other than self-loading equipment or similar equipment over 16 cubic yards; Explosives and/or Fission Material Trucks; Mixer Trucks 7 yards or over; Mobile Cranes while in transit; Oil Distributors, one-man operation; Pole Trailer, over 40 feet; Pole and Expandable Trailers hauling material over 50 feet long; Slurry Trucks, one-man operation; Winch Trucks, 3 axles or more; Mechanic - *Truck Welder and *Truck Painter*These classifications shall only apply in areas where and when it

has been a past area practice; Asphalt Plant Operators in areas where it has been past practice

Group 4 - Dual-purpose vehicles, such as mounted crane trucks with hoist and accessories; Foreman; Master Mechanic; Self-loading equipment like P.B. and trucks with scoops on the front

* TEAM0301-001 06/01/2019

LAKE AND MCHENRY COUNTIES

	Rates	Fringes
TRUCK DRIVER		
2-3 AXLES.....	\$ 39.34	10.75+a
4 AXLES.....	\$ 39.49	10.75+a
5 AXLES.....	\$ 39.69	10.75+a
6 AXLES.....	\$ 39.89	10.75+a

FOOTNOTES:

- a. 380.00 per week pension.
- b. Lowboy rate based on number of axles

An additional \$.20 per axle shall be paid for all vehicles with more than six (6) axles.

Paid Holidays: New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, and Christmas Day.

900 straight time hours or more in 1 calendar year for the same employer shall receive 1 week paid vacation; 3 years - 2 weeks paid vacation; 10 years - 3 weeks paid vacation; 20 years - 4 weeks paid vacation.

CLASSIFICATIONS:

Group 1 - Frame Truck when used for transportation purposes; Air Compressor and Welding Machines, including those pulled by cars, pick-up trucks and tractors; Ambulances; Articulated Dumps; Batch Gate Lockers; Batch Hopperman; Car and Truck Washers; Carry Alls; Forl Lifts and Hoisters; Helpers; Mechanics Helpers and Greasers; Oil Distributors, two-man operation; Pavement Breakers; Pole Trailer, up to 40 feet; Pothole Repair Trucks; Power Mower Tractors; Quick Change Barrier; Self-Propelled Chip Spreader; Shipping and Receiving Clerks and Checkers; Skipman; Slurry Trucks, two-man operation; Slurry Trucks, Conveyor Operated - 2 or 3 man operation; Teamsters; Unskilled Dumpmen; Warehousemen and Dockmen; Truck Drivers hauling warning lights, barricades, and portable toilets on the job site

Group 2 - Dispatcher; Dump Crets and Adgetators under 7 yards; Dumpsters, Track Trucks, Euclids, Hug Bottom Dump Turnapulls or Turntrailers when pulling other than self-loading equipment or similar equipment under 16 cubic yards; Mixer Trucks under 7 yards; Ready-Mix Plant Hopper Operator; Winch Trucks, 2 Axles

Group 3 - Dump Crets and Adgetators, 7 yards and over; Dumpsters, Track Trucks, Euclids, Hug Bottom Dump Turnapulls or Turntrailers when pulling other than Distributors, one-man operation; Pole Trailer, over 40 feet; Pole and Expandable Trailers hauling material over 50 feet long; Slurry Trucks, one-man operation; Winch Trucks, 3 axles or more; Mechanic - *Truck Welder and *Truck Painter*These classifications shall only apply in areas where and when it has been a past area practice; Asphalt Plant Operators in areas where it has been past practice

Group 4 - Dual-purpose vehicels, such as mounted crane tucks with hoist and accessories; Foreman; Master Mechanic; Self-loading equipment like P.B. and trucks with scoops on the front

* TEAM0325-004 06/01/2019

BOONE and WINNEBAGO COUNTIES

	Rates	Fringes
TRUCK DRIVER		
2 - 3 Axles	\$ 37.82	22.65
4 Axles.....	\$ 37.97	22.65
5 Axles.....	\$ 38.17	22.65
6 Axles.....	\$ 38.28	22.65

FOOTNOTE: An additional \$.20 per axle shall be paid for all vehicles with more than six (6) axles.

CLASSIFICATIONS:

Group 1 - Frame Truck when used for transportation purposes; Air Compressor and Welding Machines, including those pulled by cars, pick-up trucks and tractors; Ambulances; Batch Gate Lockers; Batch Hopperman; Car and Truck Washers; Forl Lifts and Hoisters; Helpers; Mechanics Helpers and Greasers; Oil Distributors, two-man operation; Pavement Breakers Pole Trailer, up to 40 feet; Power Mower Tractors; Skipman; Slurry Trucks, two-man operation; Teamsters; Truck Drivers hauling warning lights, barricades, and portable toilets on the job site

Group 2 - Dump Crets and Adgetators under 7 yards; Dumpsters, Track Trucks, Euclids, Hug Bottom Dump Turnapulls or Turnatrailers when pulling other than self-loading equipment or similar equipment under 16 cubic yards; Mixer Trucks under 7 yards; Ready-Mix Plant Hopper Operator; Winch Trucks, 2 Axles

Group 3 - Dump Crets and Adgetators, 7 yards and over; Dumpsters, Track Trucks, Euclids, Hug Bottom Dump Turnapulls or Turnatrailers when pulling other than Distributors, one-man operation Pole Trailer, over 40 feet; Pole and Expandable Trailers hauling material over 50 feet long, additional \$0.50 per hour; Slurry Trucks, one-man operation; Winch Trucks, 3 axles or more
*Mechanic*Truck Welder and Truck Painter; *Winter Rate: Between Dec. 15 and Feb. 28 the mechanic and welder rate shall be \$2.00 less than the scheduled scale. Truck Painter and Truck Welder classifications shall only apply in areas where and when it has been a past area practice; Dual-purpose vehicels, such as mounted crane tucks with hoist and accessories

Group 4 - Foreman; Master Mechanic; Self-loading equipment like P.B. and trucks with scoops on the front

* TEAM0330-002 06/01/2019

DEKALB COUNTY

	Rates	Fringes
TRUCK DRIVER		
2-3 AXLES.....	\$ 38.23	0.25+a
4 AXLES.....	\$ 38.38	0.25+a
5 AXLES.....	\$ 38.58	0.25+a
6 AXLES.....	\$ 38.78	0.25+a

FOOTNOTE: a. \$868.50 per week

An additional \$.20 per axle shall be paid for all vehicles with more than six (6) axles.

Paid Holidays: New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, and Christmas Day.

900 straight time hours or more in 1 calendar year for the same employer shall receive 1 week paid vacation; 3 years - 2 weeks paid vacation; 10 years - 3 weeks paid vacation; 20 years - 4 weeks paid vacation.

CLASSIFICATIONS:

Group 1 - Frame Truck when used for transportation purposes; Air Compressor and Welding Machines, including those pulled by cars, pick-up trucks and tractors; Ambulances; Articulated Dumps; Batch Gate Lockers; Batch Hopperman; Car and Truck Washers; Carry Alls; Forl Lifts and Hoisters; Helpers; Mechanics Helpers and Greasers; Oil Distributors, two-man operation; Pavement Breakers; Pole Trailer, up to 40 feet; Pothole Repair Trucks; Power Mower Tractors; Quick Change Barrier; Self-Propelled Chip Spreader; Shipping and Receiving Clerks and Checkers; Skipman; Slurry Trucks, two-man operation; Slurry Trucks, Conveyor Operated - 2 or 3 man operation; Teamsters; Unskilled Dumpmen; Warehousemen and Dockmen; Truck Drivers hauling warning lights, barricades, and portable toilets on the job site

Group 2 - Dispatcher; Dump Crets and Adgetators under 7 yards; Dumpsters, Track Trucks, Euclids, Hug Bottom Dump Turnapulls or Turntrailers when pulling other than self-loading equipment or similar equipment under 16 cubic yards; Mixer Trucks under 7 yards; Ready-Mix Plant Hopper Operator; Winch Trucks, 2 Axles

Group 3 - Dump Crets and Adgetators, 7 yards and over; Dumpsters, Track Trucks, Euclids, Hug Bottom Dump Turnapulls or Turntrailers when pulling other than self-loading equipment or similar equipment over 16 cubic yards; Explosives and/or Fission Material Trucks; Mixer Trucks 7 yards or over; Mobile Cranes while in transit; Oil Distributors, one-man operation; Pole Trailer, over 40 feet; Pole and Expandable Trailers hauling material over 50 feet long; Slurry Trucks, one-man operation; Winch Trucks, 3 axles or more; Mechanic - *Truck Welder and *Truck Painter*These classifications shall only apply in areas where and when it has been a past area practice; Asphalt Plant Operators in areas where it has been past practice

Group 4 - Dual-purpose vehicels, such as mounted crane tucks with hoist and accessories; Foreman; Master Mechanic; Self-loading equipment like P.B. and trucks with scoops on the front

* TEAM0673-003 06/01/2019

DU PAGE and KANE COUNTIES

Rates Fringes

TRUCK DRIVER

2-3 AXLES.....	\$ 38.47	0.25+a
4 AXLES.....	\$ 38.62	0.25+a
5 AXLES.....	\$ 38.82	0.25+a

6 AXLES.....\$ 39.02 0.25+a

FOOTNOTE: a. \$861.10 per week.

An additional \$.20 per axle shall be paid for all vehicles with more than six (6) axles.

Paid Holidays: New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, and Christmas Day.

900 straight time hours or more in 1 calendar year for the same employer shall receive 1 week paid vacation; 3 years - 2 weeks paid vacation; 10 years - 3 weeks paid vacation; 20 years - 4 weeks paid vacation.

CLASSIFICATIONS:

Group 1 - Frame Truck when used for transportation purposes; Air Compressor and Welding Machines, including those pulled by cars, pick-up trucks and tractors; Ambulances; Articulated Dumps; Batch Gate Lockers; Batch Hopperman; Car and Truck Washers; Carry Alls; Forl Lifts and Hoisters; Helpers; Mechanics Helpers and Greasers; Oil Distributors, two-man operation; Pavement Breakers; Pole Trailer, up to 40 feet; Pothole Repair Trucks; Power Mower Tractors; Quick Change Barrier; Self-Propelled Chip Spreader; Shipping and Receiving Clerks and Checkers; Skipman; Slurry Trucks, two-man operation; Slurry Trucks, Conveyor Operated - 2 or 3 man operation; Teamsters; Unskilled Dumpmen; Warehousemen and Dockmen; Truck Drivers hauling warning lights, barricades, and portable toilets on the job site

Group 2 - Dispatcher; Dump Crets and Adgetators under 7 yards; Dumpsters, Track Trucks, Euclids, Hug Bottom Dump Turnapulls or Turntrailers when pulling other than self-loading equipment or similar equipment under 16 cubic yards; Mixer Trucks under 7 yards; Ready-Mix Plant Hopper Operator; Winch Trucks, 2 Axles

Group 3 - Dump Crets and Adgetators, 7 yards and over; Dumpsters, Track Trucks, Euclids, Hug Bottom Dump Turnapulls or Turntrailers when pulling other than self-loading equipment or similar equipment over 16 cubic yards; Explosives and/or Fission Material Trucks; Mixer Trucks 7 yards or over; Mobile Cranes while in transit; Oil Distributors, one-man operation; Pole Trailer, over 40 feet; Pole and Expandable Trailers hauling material over 50 feet long; Slurry Trucks, one-man operation; Winch Trucks, 3 axles or more; Mechanic - *Truck Welder and *Truck Painter*These classifications shall only apply in areas where and when it has been a past area practice; Asphalt Plant Operators in areas where it has been past practice

Group 4 - Dual-purpose vehicles, such as mounted crane trucks with hoist and accessories; Foreman; Master Mechanic; Self-loading equipment like P.B. and trucks with scoops on the front

WELDERS - Receive rate prescribed for craft performing operation to which welding is incidental.

Note: Executive Order (EO) 13706, Establishing Paid Sick Leave for Federal Contractors applies to all contracts subject to the Davis-Bacon Act for which the contract is awarded (and any solicitation was issued) on or after January 1, 2017. If this contract is covered by the EO, the contractor must provide employees with 1 hour of paid sick leave for every 30 hours they work, up to 56 hours of paid sick leave each year. Employees must be permitted to use paid sick leave for their own illness, injury or other health-related needs, including preventive care; to assist a family member (or person who is like family to the employee) who is ill, injured, or has other health-related needs, including preventive care; or for reasons resulting from, or to assist a family member (or person who is like family to the employee) who is a victim of, domestic violence, sexual assault, or stalking. Additional information on contractor requirements and worker protections under the EO is available at www.dol.gov/whd/govcontracts.

Unlisted classifications needed for work not included within the scope of the classifications listed may be added after award only as provided in the labor standards contract clauses (29CFR 5.5 (a) (1) (ii)).

The body of each wage determination lists the classification and wage rates that have been found to be prevailing for the cited type(s) of construction in the area covered by the wage determination. The classifications are listed in alphabetical order of ""identifiers"" that indicate whether the particular rate is a union rate (current union negotiated rate for local), a survey rate (weighted average rate) or a union average rate (weighted union average rate).

Union Rate Identifiers

A four letter classification abbreviation identifier enclosed in dotted lines beginning with characters other than ""SU"" or ""UAVG"" denotes that the union classification and rate were prevailing for that classification in the survey. Example:

PLUM0198-005 07/01/2014. PLUM is an abbreviation identifier of the union which prevailed in the survey for this classification, which in this example would be Plumbers. 0198 indicates the local union number or district council number where applicable, i.e., Plumbers Local 0198. The next number, 005 in the example, is an internal number used in processing the wage determination. 07/01/2014 is the effective date of the most current negotiated rate, which in this example is July 1, 2014.

Union prevailing wage rates are updated to reflect all rate changes in the collective bargaining agreement (CBA) governing this classification and rate.

Survey Rate Identifiers

Classifications listed under the "SU" identifier indicate that no one rate prevailed for this classification in the survey and the published rate is derived by computing a weighted average rate based on all the rates reported in the survey for that classification. As this weighted average rate includes all rates reported in the survey, it may include both union and non-union rates. Example: SULA2012-007 5/13/2014. SU indicates the rates are survey rates based on a weighted average calculation of rates and are not majority rates. LA indicates the State of Louisiana. 2012 is the year of survey on which these classifications and rates are based. The next number, 007 in the example, is an internal number used in producing the wage determination. 5/13/2014 indicates the survey completion date for the classifications and rates under that identifier.

Survey wage rates are not updated and remain in effect until a new survey is conducted.

Union Average Rate Identifiers

Classification(s) listed under the UAVG identifier indicate that no single majority rate prevailed for those classifications; however, 100% of the data reported for the classifications was union data. EXAMPLE: UAVG-OH-0010 08/29/2014. UAVG indicates that the rate is a weighted union average rate. OH indicates the state. The next number, 0010 in the example, is an internal number used in producing the wage determination. 08/29/2014 indicates the survey completion date for the classifications and rates under that identifier.

A UAVG rate will be updated once a year, usually in January of each year, to reflect a weighted average of the current negotiated/CBA rate of the union locals from which the rate is based.

WAGE DETERMINATION APPEALS PROCESS

1.) Has there been an initial decision in the matter? This can be:

- * an existing published wage determination
- * a survey underlying a wage determination
- * a Wage and Hour Division letter setting forth a position on a wage determination matter
- * a conformance (additional classification and rate) ruling

On survey related matters, initial contact, including requests for summaries of surveys, should be with the Wage and Hour Regional Office for the area in which the survey was conducted because those Regional Offices have responsibility for the Davis-Bacon survey program. If the response from this initial contact is not satisfactory, then the process described in 2.) and 3.) should be followed.

With regard to any other matter not yet ripe for the formal process described here, initial contact should be with the Branch of Construction Wage Determinations. Write to:

Branch of Construction Wage Determinations
Wage and Hour Division
U.S. Department of Labor
200 Constitution Avenue, N.W.
Washington, DC 20210

2.) If the answer to the question in 1.) is yes, then an interested party (those affected by the action) can request review and reconsideration from the Wage and Hour Administrator (See 29 CFR Part 1.8 and 29 CFR Part 7). Write to:

Wage and Hour Administrator
U.S. Department of Labor
200 Constitution Avenue, N.W.
Washington, DC 20210

The request should be accompanied by a full statement of the interested party's position and by any information (wage payment data, project description, area practice material, etc.) that the requestor considers relevant to the issue.

3.) If the decision of the Administrator is not favorable, an interested party may appeal directly to the Administrative Review Board (formerly the Wage Appeals Board). Write to:

Administrative Review Board
U.S. Department of Labor
200 Constitution Avenue, N.W.
Washington, DC 20210

4.) All decisions by the Administrative Review Board are final.

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END OF GENERAL DECISION"

"General Decision Number: IL20200020 05/01/2020

Superseded General Decision Number: IL20190020

State: Illinois

Construction Types: Building Landscape, Heavy Landscape,
Highway Landscape and Residential Landscape

Counties: Boone, Cook, De Kalb, Du Page, Grundy, Henry, Kane,
Kankakee, Kendall, Lake, McHenry, McLean, Ogle, Peoria, Rock
Island, Tazewell, Will, Winnebago and Woodford Counties in
Illinois.

**LANDSCAPING WORK ON BUILDING, RESIDENTIAL, HEAVY AND HIGHWAY
CONSTRUCTION PROJECTS.**

Note: Under Executive Order (EO) 13658, an hourly minimum wage of \$10.80 for calendar year 2020 applies to all contracts subject to the Davis-Bacon Act for which the contract is awarded (and any solicitation was issued) on or after January 1, 2015. If this contract is covered by the EO, the contractor must pay all workers in any classification listed on this wage determination at least \$10.80 per hour (or the applicable wage rate listed on this wage determination, if it is higher) for all hours spent performing on the contract in calendar year 2020. If this contract is covered by the EO and a classification considered necessary for performance of work on the contract does not appear on this wage determination, the contractor must pay workers in that classification at least the wage rate determined through the conformance process set forth in 29 CFR 5.5(a)(1)(ii) (or the EO minimum wage rate, if it is higher than the conformed wage rate). The EO minimum wage rate will be adjusted annually. Please note that this EO applies to the above-mentioned types of contracts entered into by the federal government that are subject to the Davis-Bacon Act itself, but it does not apply to contracts subject only to the Davis-Bacon Related Acts, including those set forth at 29 CFR 5.1(a)(2)-(60). Additional information on contractor requirements and worker protections under the EO is available at www.dol.gov/whd/govcontracts.

Modification Number Publication Date
0 01/03/2020

1 05/01/2020

ENGI0150-013 06/01/2019

BUILDING AND HIGHWAY CONSTRUCTION (LANDSCAPE WORK): The landscape work for the Landscape Equipment Operator excludes the preparation of sub-grade prior to application of finish landscape materials and the utilization of any equipment over one cubic yard.

BOONE, COOK, DUPAGE, GRUNDY, KANE, KENDALL, LAKE, MCHENRY, AND WILL COUNTIES

	Rates	Fringes
Operators:.....	\$ 32.85	7.00+A+B

Includes Angle Dozer, Small; Bobcat and other similar type machines, 1 cu yd or less; Chipping Machine; Combination Backhoe and Front End Loader 1 cu yd or less; Fork Lift Truck; Hi-Reach and High-Ranger; Hydraulic Boom with Clam; Log Skidder; Sstraw Blower and Seeder; Stump Machine; Tractors, Crawlers, Rubber Tire Tractors, Highlift Shovels or Front End Loaders 1 cu yd or less; Tree Spades, all; Utility Tractor and attachments, and Rubber Tire Front End loader or similar machine of 1 to 1.5 cu yd solely used for placement of large decorative boulders, trees with balled soil, and other decorative landscape material too large to be accommodated in a 1 cu yd bucket. All other equipment utilized for performing landscape work, tree trimming or removal of stees, and to install plants; transport trees; excavate plant pits; place soil and other landscape materials; and apply finish landscape material on subgrade prepared by others

FOOTNOTE:

- A. Health and Welfare contribution is \$1,352.00 per month.

- B. Paid Holidays: New Year's Day; Memorial Day; Fourth of July; Labor Day; Thanksgiving Day; and Christmas Day provided that all such employees shall have in fact worked their regularly scheduled work day immediately preceding and the regularly scheduled work day immediately succeeding the occurrence of such holiday.

ENGI0150-023 06/01/2019

HIGHWAY CONSTRUCTION (LANDSCAPE WORK): The landscape work for the Landscape Equipment Operator excludes the preparation of sub-grade prior to application of finish landscape materials

and the utilization of any equipment over one cubic yard.

HENRY, MCLEAN, OGLE, PEORIA, ROCK ISLAND, TAZEWELL, WINNEBAGO,
and WOODFORD COUNTIES

Rates Fringes

Operators:.....\$ 32.85 7.00+A+B
Includes the following: Angle Dozer, Small; Bobcat and other similar type machines, 1 cu yd or less; Chipping Machine; Combination Backhoe and Front End Loader 1 cu yd or less; Fork Lift Truck; Hi-Reach and High-Ranger;Hydraulic Boom with Clam;Log Skidder; Sstraw Blower and Seeder; Stump Machine;Tractors, Crawlers, Rubber Tire Tractors, Highlift Shovels or Front End Loaders 1 cu yd or less; Tree Spades, all; Utility Tractor and attachments, and Rubber Tire Front End loader or similar machine of 1 to 1.5 cu yd solely used for placement of large decorative boulders, trees with balled soil, and other decorative landscape material too large to be accommodated in a 1 cu yd bucket. All other equipment utilized for performing landscape work, tree trimming or removal of stees, and to install plants; transport trees; excavate plant pits; place soil and other landscape materials; and apply finish landscape material on subgrade prepared by others

FOOTNOTE:

- A. Health and Welfare contribution is \$1,352.00 per month.
- B. Paid Holidays: New Year's Day; Memorial Day; Fourth of July; Labor Day; Thanksgiving Day; and Christmas Day provided that all such employees shall have in fact worked their regularly scheduled work day immediately preceding and the regularly scheduled work day immediately succeeding the occurrence of such holiday.

* LABO0032-004 05/01/2020

HIGHWAY CONSTRUCTION

WINNEBAGO COUNTY

Rates Fringes

Landscape Laborer.....\$ 37.34 34.12

LABO0362-003 05/01/2018

HIGHWAY CONSTRUCTION

MCLEAN COUNTY

	Rates	Fringes
Landscape Laborer.....	\$ 31.08	24.43

* LABO0751-004 05/01/2020		

HIGHWAY CONSTRUCTION

KANKAKEE COUNTY

	Rates	Fringes
Landscape Laborer.....	\$ 38.49	31.12

LABO0852-004 05/01/2006		

HIGHWAY CONSTRUCTION

ROCK ISLAND AND HENRY COUNTIES

	Rates	Fringes
Landscape Laborer.....	\$ 21.94	12.79

LABO0996-004 05/01/2018		

HIGHWAY CONSTRUCTION

PEORIA, TAZEWELL, AND WOODFORD COUNTIES

	Rates	Fringes
Landscape Laborer.....	\$ 32.73	23.74

TEAM0026-005 05/01/2019		

MCLEAN (South of a straight line from where Route 24 intersects the Woodford County line in a Southeast direction to the South Southwest corner of Livingston County) COUNTY

	Rates	Fringes
TRUCK DRIVER		
Group 1.....	\$ 38.06	19.62
Group 2.....	\$ 38.61	19.62
Group 3.....	\$ 38.87	19.62
Group 4.....	\$ 39.23	19.62
Group 5.....	\$ 40.27	19.62

CLASSIFICATIONS:

GROUP 1: Drivers on 2 axles hauling less than 9 tons; air compressor & welding machines and brooms, including those pulled by separate units; Truck Driver Helper, warehouse employees; Mechanic Helpers; greasers and tiremen; pick-up trucks when hauling material, tools, or workers to and from and on the job site; and forklifts up to 6,000 lb capacity.

GROUP 2: 2 or 3 axles hauling more than 9 tons but hauling less than 16 tons; A-frame winch trucks; hydrolift trucks; Vactor Trucks or similar equipment when used for transportation purposes; Forklift over 6,000 lb.capacity; winch trucks; and four axle combination units.

GROUP 3: 2, 3 or 4 Axles hauling 16 tons or more; 5-Axles or more combination units; drivers on water pulls; articulated dump trucks; mechanics and working forepersons.

GROUP 4: Low Boy and Oil Distributors.

GROUP 5: Drivers who require special protective clothing while employed on hazardous waste work.

* TEAM0179-004 06/01/2017

GRUNDY, KENDALL, MCLEAN (North of a straight line starting at the intersection of McLean-Woodford Counties line & Route 24 in a Southeastern direction to the South Southwest corner of Livingston County), WILL, and WOODFORD (Northeast corner east of Route 51/251 & North of Route 24) COUNTIES

	Rates	Fringes
TRUCK DRIVER		
2-3 AXLES.....	\$ 37.68	0.15+a
4 AXLES.....	\$ 37.83	0.15+a
5 AXLES.....	\$ 38.03	0.15+a
6 AXLES.....	\$ 38.23	0.15+a

FOOTNOTES:

- a. \$733.20 per week.
- b. Lowboy rate based on number of axles

An additional \$.20 per axle shall be paid for all vehicles with more than six (6) axles.

CLASSIFICATIONS:

Group 1 - Frame Truck when used for transportation purposes; Air Compressor and Welding Machines, including those pulled by cars, pick-up trucks and tractors; Ambulances; Articulated Dumps; Batch Gate Lockers; Batch Hopperman; Car and Truck Washers; Carry Alls; Forl Lifts and Hoisters;

Helpers; Mechanics Helpers and Greasers; Oil Distributors, two-man operation; Pavement Breakers; Pole Trailer, up to 40 feet; Pothole Repair Trucks; Power Mower Tractors; Quick Change Barrier; Self-Propelled Chip Spreader; Shipping and Receiving Clerks and Checkers; Skipman; Slurry Trucks, two-man operation; Slurry Trucks, Conveyor Operated - 2 or 3 man operation; Teamsters; Unskilled Dumpmen; Warehousemen and Dockmen; Truck Drivers hauling warning lights, barricades, and portable toilets on the job site

Group 2 - Dispatcher; Dump Crets and Adgetators under 7 yards; Dumpsters, Track Trucks, Euclids, Hug Bottom Dump Turnapulls or Turntrailers when pulling other than self-loading equipment or similar equipment under 16 cubic yards; Mixer Trucks under 7 yards; Ready-Mix Plant Hopper Operator; Winch Trucks, 2 Axles

Group 3 - Dump Crets and Adgetators, 7 yards and over; Dumpsters, Track Trucks, Euclids, Hug Bottom Dump Turnapulls or Turntrailers when pulling other than self-loading equipment or similar equipment over 16 cubic yards; Explosives and/or Fission Material Trucks; Mixer Trucks 7 yards or over; Mobile Cranes while in transit; Oil Distributors, one-man operation; Pole Trailer, over 40 feet; Pole and Expandable Trailers hauling material over 50 feet long; Slurry Trucks, one-man operation; Winch Trucks, 3 axles or more; Mechanic - *Truck Welder and *Truck Painter*These classifications shall only apply in areas where and when it has been a past area practice; Asphalt Plant Operators in areas where it has been past practice

Group 4 - Dual-purpose vehicels, such as mounted crane tucks with hoist and accessories; Foreman; Master Mechanic; Self-loading equipment like P.B. and trucks with scoops on the front

* TEAM0179-008 06/01/2019

KANKAKEE COUNTY

	Rates	Fringes
TRUCK DRIVER		
2 or 3 axles.....	\$ 39.20	0.25+a
4 axles.....	\$ 39.35	0.25+a
5 axles.....	\$ 39.55	0.25+a
6 axles.....	\$ 39.75	0.25+a
All Lowboy Trucks.....	\$ 39.75	0.25+a

FOOTNOTES:

a. \$829.20 per week.

An additional \$.20 per axle shall be paid for all vehicles with more than six (6) axles.

CLASSIFICATIONS:

Group 1 - Frame Truck when used for transportation purposes; Air Compressor and Welding Machines, including those pulled by cars, pick-up trucks and tractors; Ambulances; Articulated Dumps; Batch Gate Lockers; Batch Hopperman; Car and Truck Washers; Carry Alls; Forl Lifts and Hoisters; Helpers; Mechanics Helpers and Greasers; Oil Distributors, two-man operation; Pavement Breakers; Pole Trailer, up to 40 feet; Pothole Repair Trucks; Power Mower Tractors; Quick Change Barrier; Self-Propelled Chip Spreader; Shipping and Receiving Clerks and Checkers; Skipman; Slurry Trucks, two-man operation; Slurry Trucks, Conveyor Operated - 2 or 3 man operation; Teamsters; Unskilled Dumpmen; Warehousemen and Dockmen; Truck Drivers hauling warning lights, barricades, and portable toilets on the job site

Group 2 - Dispatcher; Dump Crets and Adgetators under 7 yards; Dumpsters, Track Trucks, Euclids, Hug Bottom Dump Turnapulls or Turntrailers when pulling other than self-loading equipment or similar equipment under 16 cubic yards; Mixer Trucks under 7 yards; Ready-Mix Plant Hopper Operator; Winch Trucks, 2 Axles

Group 3 - Dump Crets and Adgetators, 7 yards and over; Dumpsters, Track Trucks, Euclids, Hug Bottom Dump Turnapulls or Turntrailers when pulling other than self-loading equipment or similar equipment over 16 cubic yards; Explosives and/or Fission Material Trucks; Mixer Trucks 7 yards or over; Mobile Cranes while in transit; Oil Distributors, one-man operation; Pole Trailer, over 40 feet; Pole and Expandable Trailers hauling material over 50 feet long; Slurry Trucks, one-man operation; Winch Trucks, 3 axles or more; Mechanic - *Truck Welder and *Truck Painter*These classifications shall only apply in areas where and when it has been a past area practice; Asphalt Plant Operators in areas where it has been past practice

Group 4 - Dual-purpose vehicels, such as mounted crane tucks with hoist and accessories; Foreman; Master Mechanic; Self-loading equipment like P.B. and trucks with scoops on the front

* TEAM0301-001 06/01/2019

LAKE AND MCHENRY COUNTIES

Rates Fringes

TRUCK DRIVER

2-3 AXLES.....	\$ 39.34	10.75+a
4 AXLES.....	\$ 39.49	10.75+a
5 AXLES.....	\$ 39.69	10.75+a
6 AXLES.....	\$ 39.89	10.75+a

FOOTNOTES:

- a. 380.00 per week pension.
- b. Lowboy rate based on number of axles

An additional \$.20 per axle shall be paid for all vehicles with more than six (6) axles.

Paid Holidays: New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, and Christmas Day.

900 straight time hours or more in 1 calendar year for the same employer shall receive 1 week paid vacation; 3 years - 2 weeks paid vacation; 10 years - 3 weeks paid vacation; 20 years - 4 weeks paid vacation.

CLASSIFICATIONS:

Group 1 - Frame Truck when used for transportation purposes; Air Compressor and Welding Machines, including those pulled by cars, pick-up trucks and tractors; Ambulances; Articulated Dumps; Batch Gate Lockers; Batch Hopperman; Car and Truck Washers; Carry Alls; Forl Lifts and Hoisters; Helpers; Mechanics Helpers and Greasers; Oil Distributors, two-man operation; Pavement Breakers; Pole Trailer, up to 40 feet; Pothole Repair Trucks; Power Mower Tractors; Quick Change Barrier; Self-Propelled Chip Spreader; Shipping and Receiving Clerks and Checkers; Skipman; Slurry Trucks, two-man operation; Slurry Trucks, Conveyor Operated - 2 or 3 man operation; Teamsters; Unskilled Dumpmen; Warehousemen and Dockmen; Truck Drivers hauling warning lights, barricades, and portable toilets on the job site

Group 2 - Dispatcher; Dump Crets and Adgetators under 7 yards; Dumpsters, Track Trucks, Euclids, Hug Bottom Dump Turnapulls or Turntrailers when pulling other than self-loading equipment or similar equipment under 16 cubic yards; Mixer Trucks under 7 yards; Ready-Mix Plant Hopper Operator; Winch Trucks, 2 Axles

Group 3 - Dump Crets and Adgetators, 7 yards and over; Dumpsters, Track Trucks, Euclids, Hug Bottom Dump Turnapulls or Turntrailers when pulling other than Distributors, one-man operation; Pole Trailer, over 40 feet; Pole and Expandable Trailers hauling material over 50 feet long; Slurry Trucks, one-man operation; Winch Trucks, 3 axles or more; Mechanic - *Truck Welder and *Truck Painter*These

classifications shall only apply in areas where and when it has been a past area practice; Asphalt Plant Operators in areas where it has been past practice

Group 4 - Dual-purpose vehicles, such as mounted crane trucks with hoist and accessories; Foreman; Master Mechanic; Self-loading equipment like P.B. and trucks with scoops on the front

* TEAM0325-004 06/01/2019

BOONE and WINNEBAGO COUNTIES

	Rates	Fringes
TRUCK DRIVER		
2 - 3 Axles	\$ 37.82	22.65
4 Axles.....	\$ 37.97	22.65
5 Axles.....	\$ 38.17	22.65
6 Axles.....	\$ 38.28	22.65

FOOTNOTE: An additional \$.20 per axle shall be paid for all vehicles with more than six (6) axles.

CLASSIFICATIONS:

Group 1 - Frame Truck when used for transportation purposes; Air Compressor and Welding Machines, including those pulled by cars, pick-up trucks and tractors; Ambulances; Batch Gate Lockers; Batch Hopperman; Car and Truck Washers; Forl Lifts and Hoisters; Helpers; Mechanics Helpers and Greasers; Oil Distributors, two-man operation; Pavement Breakers
Pole Trailer, up to 40 feet; Power Mower Tractors; Skipman; Slurry Trucks, two-man operation; Teamsters; Truck Drivers hauling warning lights, barricades, and portable toilets on the job site

Group 2 - Dump Crets and Adgetators under 7 yards; Dumpsters, Track Trucks, Euclids, Hug Bottom Dump Turnapulls or Turnatrailers when pulling other than self-loading equipment or similar equipment under 16 cubic yards; Mixer Trucks under 7 yards; Ready-Mix Plant Hopper Operator; Winch Trucks, 2 Axles

Group 3 - Dump Crets and Adgetators, 7 yards and over; Dumpsters, Track Trucks, Euclids, Hug Bottom Dump Turnapulls or Turnatrailers when pulling other than Distributors, one-man operation
Pole Trailer, over 40 feet; Pole and Expandable Trailers hauling material over 50 feet long, additional \$0.50 per hour; Slurry Trucks, one-man operation; Winch Trucks, 3 axles or more

*Mechanic*Truck Welder and Truck Painter; *Winter Rate:
Between Dec. 15 and Feb. 28 the mechanic and welder rate shall be \$2.00 less than the scheduled scale. Truck Painter and Truck Welder classifications shall only apply in areas where and when it has been a past area practice;
Dual-purpose vehicles, such as mounted crane trucks with hoist and accessories

Group 4 - Foreman; Master Mechanic; Self-loading equipment like P.B. and trucks with scoops on the front

* TEAM0330-004 06/01/2017

DEKALB and OGLE (North of Route 72/East of Route 251, Adeline, Byron, Creston, Dement, Forrester North of Route 72, Leaf River North of Route 72, Lynnville, Monroe, Rochelle, & Scott) COUNTIES

	Rates	Fringes
TRUCK DRIVER		
2-3 AXLES.....	\$ 36.64	0.15+a
4 AXLES.....	\$ 36.79	0.15+a
5 AXLES.....	\$ 36.99	0.15+a
6 AXLES.....	\$ 37.19	0.15+a

FOOTNOTE: a. \$780.90 per week

An additional \$.20 per axle shall be paid for all vehicles with more than six (6) axles.

Paid Holidays: New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, and Christmas Day.

900 straight time hours or more in 1 calendar year for the same employer shall receive 1 week paid vacation; 3 years - 2 weeks paid vacation; 10 years - 3 weeks paid vacation; 20 years - 4 weeks paid vacation.

CLASSIFICATIONS:

Group 1 - Frame Truck when used for transportation purposes; Air Compressor and Welding Machines, including those pulled by cars, pick-up trucks and tractors; Ambulances; Articulated Dumps; Batch Gate Lockers; Batch Hopperman; Car and Truck Washers; Carry Alls; Forl Lifts and Hoisters; Helpers; Mechanics Helpers and Greasers; Oil Distributors, two-man operation; Pavement Breakers; Pole Trailer, up to 40 feet; Pothole Repair Trucks; Power Mower Tractors; Quick Change Barrier; Self-Propelled Chip Spreader; Shipping and Receiving Clerks and Checkers; Skipman; Slurry Trucks,

two-man operation; Slurry Trucks, Conveyor Operated - 2 or 3 man operation; Teamsters; Unskilled Dumpmen; Warehousemen and Dockmen; Truck Drivers hauling warning lights, barricades, and portable toilets on the job site

Group 2 - Dispatcher; Dump Crets and Adgetators under 7 yards; Dumpsters, Track Trucks, Euclids, Hug Bottom Dump Turnapulls or Turntrailers when pulling other than self-loading equipment or similar equipment under 16 cubic yards; Mixer Trucks under 7 yards; Ready-Mix Plant Hopper Operator; Winch Trucks, 2 Axles

Group 3 - Dump Crets and Adgetators, 7 yards and over; Dumpsters, Track Trucks, Euclids, Hug Bottom Dump Turnapulls or Turntrailers when pulling other than self-loading equipment or similar equipment over 16 cubic yards; Explosives and/or Fission Material Trucks; Mixer Trucks 7 yards or over; Mobile Cranes while in transit; Oil Distributors, one-man operation; Pole Trailer, over 40 feet; Pole and Expandable Trailers hauling material over 50 feet long; Slurry Trucks, one-man operation; Winch Trucks, 3 axles or more; Mechanic - *Truck Welder and *Truck Painter*These classifications shall only apply in areas where and when it has been a past area practice; Asphalt Plant Operators in areas where it has been past practice

Group 4 - Dual-purpose vehicels, such as mounted crane tucks with hoist and accessories; Foreman; Master Mechanic; Self-loading equipment like P.B. and trucks with scoops on the front

TEAM0371-004 05/01/2019

HENRY and ROCK ISLAND COUNTIES

Rates Fringes

TRUCK DRIVER

Group 1.....	\$ 38.17	19.85
Group 2.....	\$ 38.71	19.85
Group 3.....	\$ 39.01	19.85
Group 4.....	\$ 39.34	19.85
Group 5.....	\$ 40.39	19.85

CLASSIFICATIONS:

GROUP 1: Drivers on 2 axles hauling less than 9 tons; air compressor & welding machines and brooms, including those pulled by separate units; Truck Driver Helper, warehouse employees; Mechanic Helpers; greasers and tiremen; pick-up trucks when hauling material, tools, or workers to and from

and on the job site; and forklifts up to 6,000 lb capacity.

GROUP 2: 2 or 3 axles hauling more than 9 tons but hauling less than 16 tons; A-frame winch trucks; hydrolift trucks; Vactor Trucks or similar equipment when used for transportation purposes; Forklift over 6,000 lb.capacity; winch trucks; and four axle combination units.

GROUP 3: 2, 3 or 4 Axles hauling 16 tons or more; 5-Axles or more combination units; drivers on water pulls; articulated dump trucks; mechanics and working forepersons.

GROUP 4: Low Boy and Oil Distributors.

GROUP 5: Drivers who require special protective clothing while employed on hazardous waste work.

TEAM0627-004 05/01/2019

PEORIA, TAZEWELL, and WOODFORD COUNTIES

	Rates	Fringes
TRUCK DRIVER		
Group 1.....	\$ 38.06	19.62
Group 2.....	\$ 38.61	19.62
Group 3.....	\$ 38.87	19.62
Group 4.....	\$ 39.23	19.62
Group 5.....	\$ 40.27	19.62

CLASSIFICATIONS:

GROUP 1: Drivers on 2 axles hauling less than 9 tons; air compressor & welding machines and brooms, including those pulled by separate units; Truck Driver Helper, warehouse employees; Mechanic Helpers; greasers and tiremen; pick-up trucks when hauling material, tools, or workers to and from and on the job site; and forklifts up to 6,000 lb capacity.

GROUP 2: 2 or 3 axles hauling more than 9 tons but hauling less than 16 tons; A-frame winch trucks; hydrolift trucks; Vactor Trucks or similar equipment when used for transportation purposes; Forklift over 6,000 lb.capacity; winch trucks; and four axle combination units.

GROUP 3: 2, 3 or 4 Axles hauling 16 tons or more; 5-Axles or more combination units; drivers on water pulls; articulated dump trucks; mechanics and working forepersons.

GROUP 4: Low Boy and Oil Distributors.

GROUP 5: Drivers who require special protective clothing while employed on hazardous waste work.

* TEAM0673-003 06/01/2019

DU PAGE and KANE COUNTIES

	Rates	Fringes
TRUCK DRIVER		
2-3 AXLES.....	\$ 38.47	0.25+a
4 AXLES.....	\$ 38.62	0.25+a
5 AXLES.....	\$ 38.82	0.25+a
6 AXLES.....	\$ 39.02	0.25+a

FOOTNOTE: a. \$861.10 per week.

An additional \$.20 per axle shall be paid for all vehicles with more than six (6) axles.

Paid Holidays: New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, and Christmas Day.

900 straight time hours or more in 1 calendar year for the same employer shall receive 1 week paid vacation; 3 years - 2 weeks paid vacation; 10 years - 3 weeks paid vacation; 20 years - 4 weeks paid vacation.

CLASSIFICATIONS:

Group 1 - Frame Truck when used for transportation purposes; Air Compressor and Welding Machines, including those pulled by cars, pick-up trucks and tractors; Ambulances; Articulated Dumps; Batch Gate Lockers; Batch Hopperman; Car and Truck Washers; Carry Alls; Forl Lifts and Hoisters; Helpers; Mechanics Helpers and Greasers; Oil Distributors, two-man operation; Pavement Breakers; Pole Trailer, up to 40 feet; Pothole Repair Trucks; Power Mower Tractors; Quick Change Barrier; Self-Propelled Chip Spreader; Shipping and Receiving Clerks and Checkers; Skipman; Slurry Trucks, two-man operation; Slurry Trucks, Conveyor Operated - 2 or 3 man operation; Teamsters; Unskilled Dumpmen; Warehousemen and Dockmen; Truck Drivers hauling warning lights, barricades, and portable toilets on the job site

Group 2 - Dispatcher; Dump Crets and Adgetators under 7 yards; Dumpsters, Track Trucks, Euclids, Hug Bottom Dump Turnapulls or Turntrailers when pulling other than self-loading equipment or similar equipment under 16 cubic yards; Mixer Trucks under 7 yards; Ready-Mix Plant Hopper Operator; Winch Trucks, 2 Axles

Group 3 - Dump Crets and Adgetators, 7 yards and over; Dumpsters, Track Trucks, Euclids, Hug Bottom Dump Turnapulls or Turntrailers when pulling other than

self-loading equipment or similar equipment over 16 cubic yards; Explosives and/or Fission Material Trucks; Mixer Trucks 7 yards or over; Mobile Cranes while in transit; Oil Distributors, one-man operation; Pole Trailer, over 40 feet; Pole and Expandable Trailers hauling material over 50 feet long;

Slurry Trucks, one-man operation; Winch Trucks, 3 axles or more; Mechanic - *Truck Welder and *Truck Painter*These classifications shall only apply in areas where and when it has been a past area practice; Asphalt Plant Operators in areas where it has been past practice

Group 4 - Dual-purpose vehicles, such as mounted crane trucks with hoist and accessories; Foreman; Master Mechanic; Self-loading equipment like P.B. and trucks with scoops on the front

TEAM0722-005 05/01/2015

OGLE (North of Route 72/East of Route 251) COUNTY

	Rates	Fringes
TRUCK DRIVER		
Group 1.....	\$ 34.10	17.09
Group 2.....	\$ 34.60	17.09
Group 3.....	\$ 34.82	17.09
Group 4.....	\$ 35.14	17.09
Group 5.....	\$ 36.06	17.09

CLASSIFICATIONS:

GROUP 1: Drivers on 2 axles hauling less than 9 tons; air compressor & welding machines and brooms, including those pulled by separate units; Truck Driver Helper, warehouse employees; Mechanic Helpers; greasers and tiremen; pick-up trucks when hauling material, tools, or workers to and from and on the job site; and forklifts up to 6,000 lb capacity.

GROUP 2: 2 or 3 axles hauling more than 9 tons but hauling less than 16 tons; A-frame winch trucks; hydrolift trucks; Vector Trucks or similar equipment when used for transportation purposes; Forklift over 6,000 lb.capacity; winch trucks; and four axle combination units.

GROUP 3: 2, 3 or 4 Axles hauling 16 tons or more; 5-Axles or more combination units; drivers on water pulls; articulated dump trucks; mechanics and working forepersons.

GROUP 4: Low Boy and Oil Distributors.

GROUP 5: Drivers who require special protective clothing

while employed on hazardous waste work.

TEAM0731-001 06/01/2017

COOK COUNTY - HEAVY AND HIGHWAY

	Rates	Fringes
TRUCK DRIVER		
2 or 3 Axles	\$ 35.60	22.10
4 Axles.....	\$ 35.85	22.10
5 Axles.....	\$ 36.05	22.10
6 Axles.....	\$ 36.25	22.10

FOOTNOTES:

A. Paid Holidays: New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, and Christmas Day.

B. 900 straight time hours or more in 1 calendar year for the same employer shall receive 1 week paid vacation; 3 years - 2 weeks paid vacation; 10 years - 3 weeks paid vacation; 20 years - 4 weeks paid vacation.

C. An additional \$.20 per axle shall be paid for all vehicles with more than six (6) axles.

TEAM0786-001 06/01/2017

COOK COUNTY - BUILDING AND RESIDENTIAL

	Rates	Fringes
TRUCK DRIVER		
2 & 3 Axles.....	\$ 39.942	0.25+a
4 Axles.....	\$ 39.75	0.25+a
5 Axles.....	\$ 39.967	0.25+a
6 Axles.....	\$ 40.184	0.25+a

FOOTNOTES:

a. \$719.00 per week.

An additional \$.20 per axle shall be paid for all vehicles with more than six (6) axles.

Paid Holidays: New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, and Christmas Day.

900 straight time hours or more in 1 calendar year for the same employer shall receive 1 week paid vacation; 3 years -

2 weeks paid vacation; 10 years - 3 weeks paid vacation; 20 years - 4 weeks paid vacation.

SUIL1993-001 01/19/1993

BUILDING CONSTRUCTION (LANDSCAPE WORK):

	Rates	Fringes
LABORER		
BOONE, GRUNDY, KANE, KENDALL, LAKE, MCHENRY, & WILL COUNTIES		
LANDSCAPE LABORERS.....	\$ 7.25	
COOK COUNTY		
LANDSCAPE LABORERS.....	\$ 7.25	
LANDSCAPE PLANTSMAN.....	\$ 9.80	1.82
DE KALB COUNTY		
LANDSCAPE LABORERS.....	\$ 7.25	
LANDSCAPE OPERATORS.....	\$ 7.25	
LANDSCAPE PLANTSMAN.....	\$ 9.66	.26
DU PAGE COUNTY		
LANDSCAPE LABORERS.....	\$ 7.25	
LANDSCAPE PLANTSMAN.....	\$ 9.04	1.16
GRUNDY, LAKE & WILL COUNTIES		
LANDSCAPE DRIVER 2 & 3		
Axles.....	\$ 11.86	2.81
LANDSCAPE PLANTSMAN	\$ 12.00	3.32

SUIL1993-002 01/19/1993

HEAVY CONSTRUCTION (LANDSCAPE WORK)

	Rates	Fringes
LABORER		
BOONE, GRUNDY, KANE, KENDALL, LAKE, MCHENRY & WILL COUNTIES:		
LANDSCAPE DRIVER, 2 & 3		
AXLES.....	\$ 11.94	2.42
LANDSCAPE LABORERS.....	\$ 7.25	
LANDSCAPE OPERATORS.....	\$ 13.11	3.01
LANDSCAPE PLANTSMAN.....	\$ 9.73	2.05
COOK COUNTY:		
LANDSCAPE DRIVER, 2 & 3		
AXLES.....	\$ 9.93	1.89
LANDSCAPE LABORERS.....	\$ 7.25	
LANDSCAPE OPERATORS.....	\$ 10.98	2.12
LANDSCAPE PLANTSMAN.....	\$ 10.08	2.06
DE KALB COUNTY:		
LANDSCAPE LABORERS.....	\$ 7.25	

LANDSCAPE OPERATORS.....	\$ 7.25	
LANDSCAPE PLANTSMAN.....	\$ 9.66	.26
DU PAGE COUNTY:		
LANDSCAPE DRIVER, 2 & 3		
AXLES.....	\$ 8.32	1.02
LANDSCAPE LABORERS.....	\$ 7.25	
LANDSCAPE OPERATORS.	\$ 10.75	
LANDSCAPE PLANTSMAN	\$ 10.65	

SUIL1993-003 01/19/1993

HIGHWAY CONSTRUCTION (LANDSCAPE WORK):

	Rates	Fringes
LABORER		
DE KALB COUNTY		
LANDSCAPE LABORERS.....	\$ 7.25	
LANDSCAPE OPERATORS.....	\$ 7.25	
LANDSCAPE PLANTSMAN.....	\$ 9.66	.26
KANKAKEE COUNTY:		
LANDSCAPE DRIVER.....	\$ 8.75	.17
LANDSCAPE OPERATOR.....	\$ 16.57	3.56
PEORIA, TAZEWELL, & WOODFORD COUNTIES:		
TRUCK DRIVERS 2 & 3 AXLES..	\$ 17.58	5.88

WELDERS - Receive rate prescribed for craft performing operation to which welding is incidental.
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Note: Executive Order (EO) 13706, Establishing Paid Sick Leave for Federal Contractors applies to all contracts subject to the Davis-Bacon Act for which the contract is awarded (and any solicitation was issued) on or after January 1, 2017. If this contract is covered by the EO, the contractor must provide employees with 1 hour of paid sick leave for every 30 hours they work, up to 56 hours of paid sick leave each year. Employees must be permitted to use paid sick leave for their own illness, injury or other health-related needs, including preventive care; to assist a family member (or person who is like family to the employee) who is ill, injured, or has other health-related needs, including preventive care; or for reasons resulting from, or to assist a family member (or person who is like family to the employee) who is a victim of, domestic violence, sexual assault, or stalking. Additional information on contractor requirements and worker protections under the EO is available at www.dol.gov/whd/govcontracts.

Unlisted classifications needed for work not included within the scope of the classifications listed may be added after award only as provided in the labor standards contract clauses

(29CFR 5.5 (a) (1) (ii)).

The body of each wage determination lists the classification and wage rates that have been found to be prevailing for the cited type(s) of construction in the area covered by the wage determination. The classifications are listed in alphabetical order of ""identifiers"" that indicate whether the particular rate is a union rate (current union negotiated rate for local), a survey rate (weighted average rate) or a union average rate (weighted union average rate).

Union Rate Identifiers

A four letter classification abbreviation identifier enclosed in dotted lines beginning with characters other than ""SU"" or ""UAVG"" denotes that the union classification and rate were prevailing for that classification in the survey. Example: PLUM0198-005 07/01/2014. PLUM is an abbreviation identifier of the union which prevailed in the survey for this classification, which in this example would be Plumbers. 0198 indicates the local union number or district council number where applicable, i.e., Plumbers Local 0198. The next number, 005 in the example, is an internal number used in processing the wage determination. 07/01/2014 is the effective date of the most current negotiated rate, which in this example is July 1, 2014.

Union prevailing wage rates are updated to reflect all rate changes in the collective bargaining agreement (CBA) governing this classification and rate.

Survey Rate Identifiers

Classifications listed under the ""SU"" identifier indicate that no one rate prevailed for this classification in the survey and the published rate is derived by computing a weighted average rate based on all the rates reported in the survey for that classification. As this weighted average rate includes all rates reported in the survey, it may include both union and non-union rates. Example: SULA2012-007 5/13/2014. SU indicates the rates are survey rates based on a weighted average calculation of rates and are not majority rates. LA indicates the State of Louisiana. 2012 is the year of survey on which these classifications and rates are based. The next number, 007 in the example, is an internal number used in producing the wage determination. 5/13/2014 indicates the survey completion date for the classifications and rates under that identifier.

Survey wage rates are not updated and remain in effect until a

new survey is conducted.

Union Average Rate Identifiers

Classification(s) listed under the UAVG identifier indicate that no single majority rate prevailed for those classifications; however, 100% of the data reported for the classifications was union data. EXAMPLE: UAVG-OH-0010 08/29/2014. UAVG indicates that the rate is a weighted union average rate. OH indicates the state. The next number, 0010 in the example, is an internal number used in producing the wage determination. 08/29/2014 indicates the survey completion date for the classifications and rates under that identifier.

A UAVG rate will be updated once a year, usually in January of each year, to reflect a weighted average of the current negotiated/CBA rate of the union locals from which the rate is based.

WAGE DETERMINATION APPEALS PROCESS

1.) Has there been an initial decision in the matter? This can be:

- * an existing published wage determination
- * a survey underlying a wage determination
- * a Wage and Hour Division letter setting forth a position on a wage determination matter
- * a conformance (additional classification and rate) ruling

On survey related matters, initial contact, including requests for summaries of surveys, should be with the Wage and Hour Regional Office for the area in which the survey was conducted because those Regional Offices have responsibility for the Davis-Bacon survey program. If the response from this initial contact is not satisfactory, then the process described in 2.) and 3.) should be followed.

With regard to any other matter not yet ripe for the formal process described here, initial contact should be with the Branch of Construction Wage Determinations. Write to:

Branch of Construction Wage Determinations
Wage and Hour Division
U.S. Department of Labor
200 Constitution Avenue, N.W.
Washington, DC 20210

2.) If the answer to the question in 1.) is yes, then an interested party (those affected by the action) can request review and reconsideration from the Wage and Hour Administrator

(See 29 CFR Part 1.8 and 29 CFR Part 7). Write to:

Wage and Hour Administrator
U.S. Department of Labor
200 Constitution Avenue, N.W.
Washington, DC 20210

The request should be accompanied by a full statement of the interested party's position and by any information (wage payment data, project description, area practice material, etc.) that the requestor considers relevant to the issue.

3.) If the decision of the Administrator is not favorable, an interested party may appeal directly to the Administrative Review Board (formerly the Wage Appeals Board). Write to:

Administrative Review Board
U.S. Department of Labor
200 Constitution Avenue, N.W.
Washington, DC 20210

4.) All decisions by the Administrative Review Board are final.

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END OF GENERAL DECISION"

BIDDER agrees to perform all the work described in the CONTRACT DOCUMENTS for the following unit prices or lump sum:

BID SCHEDULE

NOTE: BIDS shall include sales tax and all other applicable taxes and fees.

Item No	Items	Unit	Quantity	Unit Price	Total
1	FRAMES AND LIDS TO BE ADJUSTED	Each	34		
2	FRAME AND LIDS, TYPE 1	Each	9		
3	STRUCTURES TO BE REMOVED	Each	72		
4	CATCH BASINS, 2' DIAMETER, TYPE C, TYPE 11 FRAME AND GRATE	Each	42		
5	INLETS, 2' DIAMETER, TYPE A, TYPE 11 FRAME AND GRATE	Each	2		
6	STORM MANHOLES, TYPE A, 4' DIAMETER, TYPE 1 FRAME, CLOSED LID	Each	15		
7	STORM MANHOLES, TYPE A, 5' DIAMETER, TYPE 1 FRAME, CLOSED LID	Each	3		
8	STORM MANHOLES, TYPE A, 6' DIAMETER, TYPE 1 FRAME, CLOSED LID	Each	5		
9	STORM MANHOLES, DOGHOUSE, TYPE A, 6' DIAMETER, TYPE 1 FRAME, CLOSED LID	Each	1		
10	8" STORM SEWERS, PVC, SDR 26, ASTM 2241	Foot	5		
11	12" STORM SEWERS, PVC, SDR 26, ASTM 2241	Foot	1078		
12	15" STORM SEWERS, PVC, SDR 26, ASTM 2241	Foot	214		
13	18" STORM SEWERS, PVC, SDR 26, ASTM 2241	Foot	778		
14	21" STORM SEWERS, PVC, SDR 26, ASTM 2241	Foot	519		
15	12" STORM SEWERS, DUCTILE IRON, CL52, AWWA C151	Foot	315		
16	24" STORM SEWERS, RCP, CL IV, ASTM C76	Foot	715		
17	27" STORM SEWERS, RCP, CL IV, ASTM C76	Foot	424		
18	14"x23" STORM SEWERS, RCP ELLIPTICAL, CL IV, ASTM 507	Foot	639		
19	19"x30" STORM SEWERS, RCP ELLIPTICAL, CL IV, ASTM 507	Foot	700		
20	19"x30" MANHOLE CONNECTION TO EXISTING STORM	Each	1		
21	24" MANHOLE CONNECTION TO EXISTING STORM	Each	1		
22	27" MANHOLE CONNECTION TO EXISTING STORM	Each	1		
23	14"x23" MANHOLE CONNECTION TO EXISTING STORM	Each	1		
24	TRENCH BACKFILL	CuYd	2573		
25	FLOWABLE FILL	CuYd	43		
26	10" CMP DRIVEWAY CULVERT, 16 GAUGE	Foot	200		
27	12" STM. TO BE REMOVED & SALVAGED	Foot	50		
28	ADJUSTING WATER MAIN, 6"	Foot	30		

**MAPLE AREA IMPROVEMENTS
VILLAGE OF VILLA PARK**

29	ADJUSTING WATER MAIN, 8"	Foot	10		
30	ADJUSTING WATER MAIN, 10"	Foot	20		
31	ADJUSTING WATER MAIN, 12"	Foot	10		
32	ADJUSTING WATER SERVICE LINES (COPPER SERVICE)	Each	410		
33	WATER SERVICE REPLACEMENT	Each	13		
34	VALVE VAULTS, DOGHOUSE, TYPE A, 4' DIAMETER, TYPE 1 FRAME, CLOSED LID	Each	5		
35	FIRE HYDRANTS TO BE REMOVED	Each	2		
36	FIRE HYDRANT WITH AUXILIARY VALVE AND VALVE BOX	Each	12		
37	SANITARY MANHOLES, TYPE A, 4' DIAMETER, TYPE 1 FRAME, CLOSED LID	Each	26		
38	8" SANITARY SEWERS, PVC, SDR 26, ASTM 2241	Foot	412		
39	12" SANITARY SEWERS, PVC, SDR 26, ASTM 2241	Foot	228		
40	SANITARY SERVICE CONNECTION	Each	5		
41	18" SANITARY SEWERS, DUCTILE IRON CL52, AWWA C151	Each	35		
42	POINT REPAIRS	Each	8		
43	ADDITIONAL SANITARY SEWER LATERAL, 6"	Foot	5		
44	COMBINATION CURB AND GUTTER REMOVAL	Foot	6975		
45	SIDEWALK REMOVAL	SqFt	13178		
46	DRIVEWAY PAVEMENT REMOVAL	SqYd	1320		
47	HOT-MIX ASPHALT SURFACE REMOVAL (VARIABLE DEPTH)	SqYd	23218		
48	BARRIER CURB, TYPE B	Foot	315		
49	COMBINATION CURB AND GUTTER, TYPE B-6.12 (MODIFIED)	Foot	6300		
50	COMBINATION CURB AND GUTTER, TYPE B-6.24 (MODIFIED)	Foot	360		
51	PORTLAND CEMENT CONCRETE SIDEWALK, 5"	SqFt	12643		
52	DETECTABLE WARNINGS	SqFt	380		
53	PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 6"	SqYd	539		
54	PROTECTIVE COAT	SqYd	3138		
55	HOT-MIX ASPHALT DRIVEWAY, 4"	SqYd	1125		
56	INCIDENTAL HOT-MIX ASPHALT SURFACING, 3" (VILLA AVE.)	SqYd	58		
57	CLASS C PATCHES, TYPE I-IV, 8"	SqYd	1791		
58	CLASS D PATCHES, TYPE I-IV, 6"	SqYd	529		
59	BITUMINOUS MATERIALS (PRIME COAT)	Gal	7787		
60	LEVELING BINDER (MACHINE METHOD), N50, 1"	Ton	1281		
61	HOT MIX ASPHALT SURFACE COURSE, MIX "D", N50, 2"	Ton	2561		
62	CRACK FILLING HOT-MIX ASPHALT PAVEMENT	Pound	130		
63	TOPSOIL FURNISH AND PLACE, 4"	SqYd	6697		
64	SODDING	SqYd	6697		
65	GRADING AND SHAPING NEW DITCHES	SqYd	300		
66	TREE PROTECTION FENCE	Each	128		
67	TREE ROOT PRUNING	Each	68		
68	TREE REMOVALS (6" TO 15")	Unit	29		

**MAPLE AREA IMPROVEMENTS
VILLAGE OF VILLA PARK**

69	TREE REMOVALS (15"and Over)	Unit	142		
70	SUPPLEMENTAL WATERING	Unit	125		
71	INLET FILTER	Each	67		
72	THERMOPLASTIC PAVEMENT MARKING - LINE 24"	Foot	238		
73	THERMOPLASTIC PAVEMENT MARKING - LINE 6"	Foot	1256		
74	TEMPORARY TRENCH BACKFILL	CuYd	343		
75	AGGREGATE FOR TEMPORARY ACCESS	Ton	266		
76	AGGREGATE BASE COURSE, 6" (HMA DRIVEWAY)	SqYd	685		
77	AGGREGATE BASE COURSE, 4" (PCC DRIVEWAY)	SqYd	634		
78	REMOVE AND RELOCATE SIGN PANEL AND SIGN PANEL ASSEMBLY	Each	4		
79	SIGN PANELS WITH STEEL POSTS	Each	18		
80	EXPLORATORY EXCAVATION	Hour	4		
81	PRE CONSTRUCTION VIDEO RECORDING	LS	1		
82	MOBILIZATION	LS	1		
83	TRAFFIC CONTROL & PROTECTION	LS	1		

TOTAL OF BID..... \$ _____
LUMP SUM PRICE (if applicable) \$ _____

Bidder is currently certified as an MBE or WBE under EPA's DBE Program? Yes ___ No ___

Respectfully submitted:

Signature Address

Title Date

Telephone # E-mail Address

(SEAL - if BID is by a corporation)

Attest _____

MAJOR ITEMS OF EQUIPMENT

It is hereby expressly agreed that the Contractor shall furnish and install in full compliance with the Plans and Contract Documents, the major items of equipment, as manufactured or supplied by the following listed manufacturers or suppliers:

No.	Description	Manufacturer or Supplier
1.		
2.		
3.		
4.		
5.		
6.		
7.		
8.		
9.		
10.		
11.		
12.		
13.		

NOT FOR BID

BID BOND

KNOW ALL MEN AND WOMEN BY THESE PRESENTS, that we, the undersigned, _____
_____ as Principal, and
_____ as Surety, are hereby held and firmly
bound unto _____ as OWNER in the penal sum of
_____ for the payment of which, well and truly to be
made, we hereby jointly and severally bind ourselves, successors and assigns.

Signed, this _____ day of _____, 20_____.

The Condition of the above obligation is such that whereas the Principal has submitted to
_____ a certain BID, attached hereto and
hereby made a part hereof to enter into a contract in writing, for the

NOW, THEREFORE,

- (a) If said BID shall be rejected, or
- (b) If said BID shall be accepted and the Principal shall execute and deliver a contract in the Form of Contract attached hereto (properly completed in accordance with said BID) and shall furnish a BOND for his faithful performance of said contract, and for the payment of all persons performing labor or furnishing materials in connection therewith, and shall in all other respects perform the agreement created by the acceptance of said BID, then this obligation shall be void, otherwise the same shall remain in force and effect; it being expressly understood and agreed that the liability of the Surety for any and all claims hereunder shall, in no event, exceed the penal amount of this obligation as herein stated.

The Surety, for value received, hereby stipulates and agrees that the obligations of said Surety and its BOND shall be in no way impaired or affected by any extension of the time within which the OWNER may accept such bid; and said Surety does hereby waive notice of any such extension.

IN WITNESS WHEREOF, the Principal and the Surety have hereunto set their hands and seals, and such of them as are corporations have caused their corporate seals to be hereto affixed and these presents to be signed by their proper officers, the day and year first set forth above.

Principal (L.S.)

Surety

By: _____

IMPORTANT-Surety companies executing BONDS must appear on the Treasury Department's most current list (Circular 570 as amended) and be authorized to transact business in the state where the project is located.

NOT FOR BID

AGREEMENT

THIS AGREEMENT, made this _____ day of _____, 20_____, by and between The Village of Villa Park, Illinois, hereinafter called "OWNER" and _____ doing business as (an individual) or (a partnership) or (a corporation) hereinafter called "CONTRACTOR".

WITNESSETH: That for and in consideration of the payments and agreements hereinafter mentioned:

1. The CONTRACTOR will commence and complete the construction of _____
The Maple Area Improvements, Village of Villa Park, Illinois
2. The CONTRACTOR will furnish all of the material, supplies, tools, equipment, labor and other services necessary for the construction and completion of the PROJECT described herein.
3. The CONTRACTOR will commence the work required by the Contract Documents within 10 calendar days after the date of the NOTICE TO PROCEED and will complete the same within 180 calendar days unless the period for completion is extended otherwise by the CONTRACT DOCUMENTS.
4. The CONTRACTOR agrees to perform all the WORK described in the CONTRACT DOCUMENTS and comply with the terms therein for the sum of \$_____, or as shown in the BID schedule.
5. The term "CONTRACT DOCUMENTS" means and includes the following:
 - (A) Advertisement for BIDS
 - (B) Information for BIDDERS
 - (C) BID
 - (D) BID BOND
 - (E) Agreement
 - (F) Payment BOND
 - (G) Performance BOND
 - (H) NOTICE OF AWARD
 - (I) NOTICE TO PROCEED
 - (J) CHANGE ORDER
 - (K) DRAWINGS prepared by _____
numbered _____ through _____ and dated _____, 20_____.

(L) SPECIFICATIONS prepared or issued by _____
_____,
dated _____, 20_____.

(M) ADDENDA:

No. _____, dated _____, 20_____

No. _____, dated _____, 20_____

No. _____, dated _____, 20_____

6. The OWNER will pay to the CONTRACTOR in the manner and at such times, such amounts as required by the CONTRACT DOCUMENTS.

7. No contractor shall discriminate on the basis of race, color, national origin or sex in the performance of this contract. The contractor shall carry out applicable requirements of 40 CFR 33 in the award and administration of contracts awarded under EPA financial assistance agreements. Failure by the contractor to carry out these requirements is a material breach of this contract which may result in the termination of this contract or other legally available remedies.

8. This Agreement shall be binding upon all parties hereto and their respective heirs, executors, administrators, successors, and assigns.

IN WITNESS WHEREOF, the parties hereto have executed, or caused to be executed by their duly authorized officials, this Agreement in (_____) each of which shall be deemed an original on the date first above written.

OWNER:
VILLAGE OF VILLA PARK

By _____

Name Albert Bulthuis

Title Village President

(Please Type)

(SEAL)

ATTEST:

Name Michael Guerra

(Please Type)

Title Public Works Director

CONTRACTOR:

By _____

Name _____

(Please Type)

Address _____

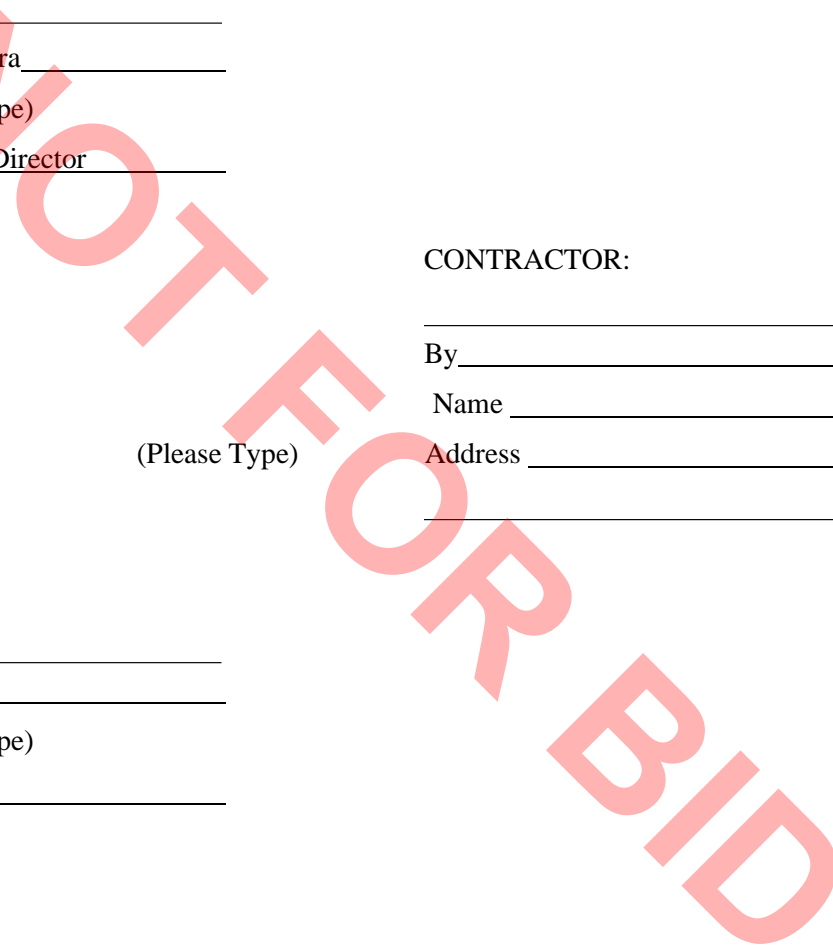
(SEAL)

ATTEST:

Name _____

(Please Type)

Title _____



PERFORMANCE BOND

KNOW ALL MEN AND WOMEN BY THESE PRESENTS: that

(Name of Corporation)

(Address of Corporation)

a _____ hereinafter called Principal and
(Corporation, Partnership, or Individual)

(Name of Surety)

(Address of Surety)

hereinafter called Surety, are held and firmly bound unto _____

(Name of Owner)

(Address of Owner)

hereinafter called OWNER, in the penal sum of _____

_____ Dollars, \$(_____)

in lawful money of the United States, for the payment of which sum well and truly to be made, we bind ourselves, successors, and assigns, jointly and severally, firmly by these presents.

THE CONDITION OF THIS OBLIGATION is such that whereas, the Principal entered into a certain contract with the OWNER, dated the _____ day of _____, 20_____, a copy of which is hereto attached and made a part hereof for the construction of:

NOW, THEREFORE, if the Principal shall well, truly and faithfully perform its duties, all the undertakings, covenants, terms, conditions, and agreements of said contract during the original term thereof, and any extensions thereof which may be granted by the OWNER, with or without notice to the Surety and during the one year guaranty period, and if he or she shall satisfy all claims and demands incurred under such contract, and shall fully indemnify and save harmless the OWNER from all costs and damages which it may suffer by reason of failure to do so, and shall reimburse and repay the OWNER all outlay and expense which the OWNER may incur in making good any default, then this obligation shall be void; otherwise to remain in full force and effect.

PROVIDED, FURTHER, that the said surety, for value received hereby stipulates and agrees that no change, extension of time, alteration or addition to the terms of the contract or to WORK to be performed hereunder or the SPECIFICATIONS accompanying the same shall in any wise affect its obligation on this BOND, and it does hereby waive notice of any such change, extension of time, alteration or addition to the terms of the contract or to the WORK or to the SPECIFICATIONS.

PROVIDED, FURTHER, that no final settlement between the OWNER and the CONTRACTOR shall abridge the right of any beneficiary hereunder, whose claim may be unsatisfied.

IN WITNESS WHEREOF, this instrument is executed in _____ counterparts, each one of which shall be deemed an original, this _____ day of _____ 20_____.

ATTEST:

By: _____

(SEAL)

ATTEST:

(SEAL)

By: _____

NOTE: Date of BOND must not be prior to date of Contract.
If CONTRACTOR is Partnership, all partners should execute BOND.

IMPORTANT: Surety companies executing BONDS must appear on the Treasury Department's most current list (Circular 570 as amended) and be authorized to transact business in the state where the PROJECT is located.

PAYMENT BOND

KNOW ALL MEN AND WOMEN BY THESE PRESENTS: that

(Name of Contractor)

(Address of Contractor)

a _____, hereinafter called Principal, and
(Corporation, Partnership, or Individual)

(Name of Surety)

(Address of Surety)

hereinafter called SURETY, are held and firmly bound unto _____
The Village of Villa Park, Illinois

(Name of Owner)
11 West Home Avenue, Villa Park, Illinois 60181

(Address of Owner)

hereinafter called OWNER, in the penal sum of _____ Dollars, (\$ _____)
in lawful money of the United States, for the payment of which sum well and truly to be made, we bind
ourselves, successors, and assigns, jointly and severally, firmly by these presents.

THE CONDITION OF THIS OBLIGATION is such that whereas, the Principal entered into a certain
contract with the OWNER, dated the _____ day of _____, 20____, a copy of
which is hereto attached and made a part hereof for the construction of:

_____.

NOW, THEREFORE, if the Principal shall promptly make payment to all persons, firms,
SUBCONTRACTORS, and corporations furnishing materials for or performing labor in the prosecution of
the WORK provided for in such contract, and any authorized extension or modification thereof, including
all amounts due for materials, lubricants, oil, gasoline, coal and coke, repairs on machinery, equipment and
tools, consumed or used in connection with the construction of such WORK, and all insurance premiums
on said WORK, and for all labor, performed in such WORK whether by SUBCONTRACTOR or otherwise,
then this obligation shall be void; otherwise to remain in full force and effect.

PROVIDED, FURTHER, that the said Surety for value received hereby stipulates and agrees that no
change, extension of time, alteration or addition to the terms of the contract or to the WORK to be performed
hereunder or the SPECIFICATIONS accompanying the same shall in any wise affect its

obligation on this BOND, and it does hereby waive notice of any such change, extension of time, alteration or addition to the terms of the contract or to the WORK or to the SPECIFICATIONS.

PROVIDED, FURTHER, that no final settlement between the OWNER and the CONTRACTOR shall abridge the right of any beneficiary hereunder, whose claim may be unsatisfied.

IN WITNESS, WHEREOF, this instrument is executed in ____ counterparts, each one of which shall be deemed an original, this the _____ day of _____, 20_____.

(SEAL)

ATTEST:

By: _____

ATTEST:

By: _____

NOTE: Date of BOND must not be prior to date of Contract.
If CONTRACTOR is Partnership, all partners should execute BOND.

IMPORTANT: Surety companies executing BONDS must appear on the Treasury Department's most current list (Circular 570 as amended) and be authorized to transact business in the state where the PROJECT is located.

NOTICE OF INTENT TO AWARD

To: _____

Project Description: _____

The OWNER has considered the BID submitted by you for the above described WORK, in response to its Advertisement for Bids, dated _____ and Information for Bidders.

You are hereby notified that your BID will be accepted, contingent upon Illinois Environmental Protection Agency (IEPA) approval, for items in the amount of _____.

You will be required by the Information for Bidders to execute the Agreement and furnish the required CONTRACTOR'S Performance BOND, Payment BOND and certificates of insurance within ten (10) calendar days from the date of the final Notice to be sent upon IEPA approval, to you.

Dated this day of _____

OWNER

By: _____

Title: _____

NOTICE OF AWARD

To: _____

PROJECT Description: _____

The OWNER has considered the BID submitted by you for the above described WORK in response to its Advertisement for Bids dated _____, 20____ and Information for Bidders.

You are hereby notified that your BID has been accepted for items in the amount of \$_____.

You are required by the Information for Bidders to execute the Agreement and furnish the required CONTRACTOR'S Performance BOND, Payment BOND and certificates of insurance within ten (10) calendar days from the date of this Notice to you.

If you fail to execute said Agreement and to furnish said BONDS within ten (10) days from the date of this Notice, said OWNER will be entitled to consider all your rights arising out of the OWNER'S acceptance of your BID as abandoned and as a forfeiture of your BID BOND. The OWNER will be entitled to such other rights as may be granted by law.

You are required to return an acknowledged copy of this NOTICE OF AWARD to the OWNER.

Dated this _____ day of _____, 20_____.

(Owner)

By _____

Title _____

ACCEPTANCE OF NOTICE

Receipt of the above NOTICE OF AWARD is hereby acknowledged,

by _____,

this the _____ day of _____, 20_____.

By _____

Title _____

NOTICE TO PROCEED

To: _____ Date: _____

_____ Project: _____

You are hereby notified to commence WORK in accordance with the Agreement dated _____, 20_____, on or before _____, 20_____, and you are to complete the WORK within _____ consecutive calendar days thereafter. The date of completion of all WORK is therefore _____, 20_____.

(Owner)

By _____

Title _____

ACCEPTANCE OF NOTICE

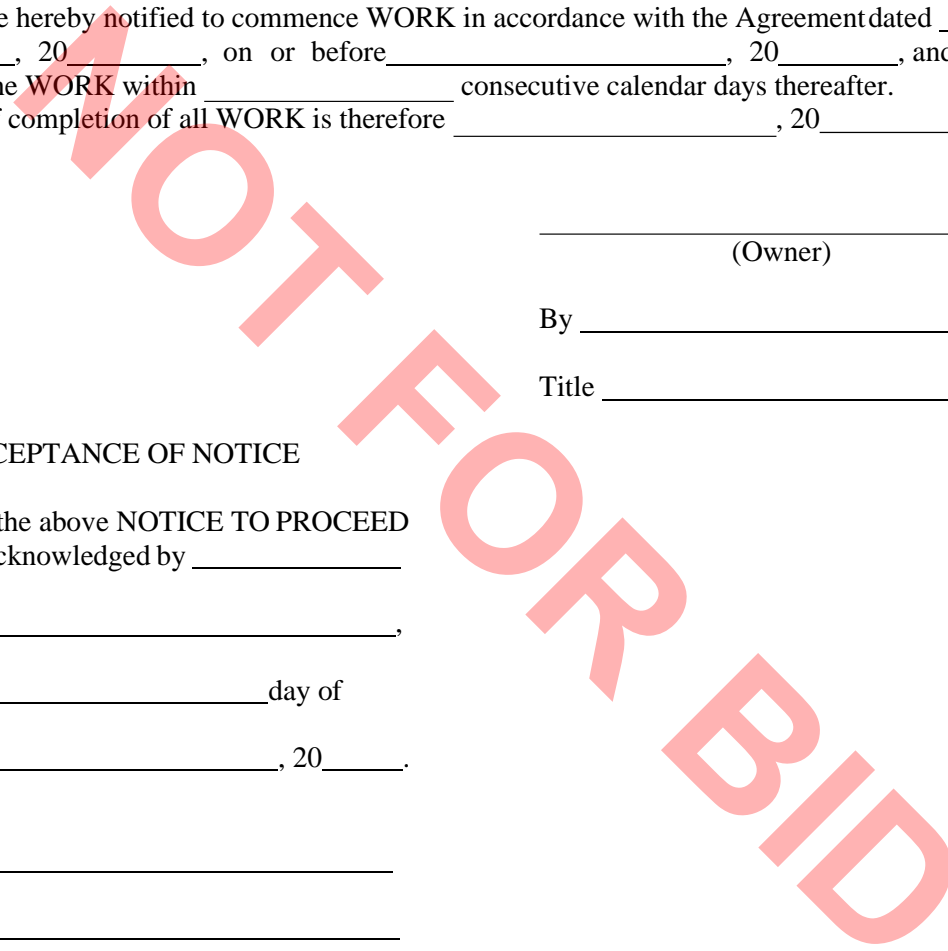
Receipt of the above NOTICE TO PROCEED is hereby acknowledged by _____

this the _____ day of

_____, 20_____.

By _____

Title _____



Change Order No. _____

Date of Issuance: _____ Effective Date: _____

Project:	Owner:	Owner's Contract No.:
Contract:	Date of Contract:	
Contractor:	Engineer's Project No.:	

The Contract Documents are modified as follows upon execution of this Change Order:

Description:

Attachments: (List documents supporting change):

CHANGE IN CONTRACT PRICE:	CHANGE IN CONTRACT TIMES:
Original Contract Price:	Original Contract Times: <input type="checkbox"/> Working days <input type="checkbox"/> Calendar days
\$ _____	Substantial completion(days or date): _____
	Ready for final payment (days or date): _____
[Increase] [Decrease] from previously approved Change Orders No. _____ to No. _____:	[Increase] [Decrease] from previously approved Change Orders No. _____ to No. _____:
\$ _____	Substantial completion (days): _____
	Ready for final payment(days): _____
Contract Price prior to this Change Order:	Contract Times prior to this Change Order:
\$ _____	Substantial completion(days or date): _____
	Ready for final payment (days or date): _____
[Increase] [Decrease] of this Change Order:	[Increase] [Decrease] of this Change Order:
\$ _____	Substantial completion(days or date): _____
	Ready for final payment(days or date): _____
Contract Price incorporating this Change Order:	Contract Times with all approved Change Orders:
\$ _____	Substantial completion(days or date): _____
	Ready for final payment (days or date): _____

RECOMMENDED:	ACCEPTED:	ACCEPTED:
By: _____ Engineer (Authorized Signature)	By: _____ Owner (Authorized Signature)	By: _____ Contractor (Authorized Signature)
Date: _____	Date: _____	Date: _____

Approved by Funding Agency (if applicable): _____ Date: _____

**NOTICE OF REQUIREMENT FOR AFFIRMATIVE ACTION TO ENSURE EQUAL
EMPLOYMENT OPPORTUNITY
(EXECUTIVE ORDER 11246)**

1. The Offeror's or Bidder's attention is called to the "Equal Opportunity Clause" and the "Standard Federal Equal Employment Opportunity Construction Contract Specifications" set forth herein.
2. The goals and timetables for minority and female participation, expressed in percentage terms for the Contractor's aggregate workforce in each trade on all construction work in the covered area, are as follows:

Timetables	Goals for minority participation for each trade	Goals for female participation in each trade
	Insert goals for* each year _____	Insert goals for* each year _____

These goals are applicable to all the Contractor's construction work (whether or not it is Federal or federally assisted) performed in the covered area.

The Contractor's compliance with the Executive Order and the regulations in 41 CFR Part 60-4 shall be based on its implementation of the Equal Opportunity Clause, specific affirmative action obligations required by the specifications set forth in 41 CFR 60-4.3(a), and its efforts to meet the goals established for the geographical area where the contract resulting from this solicitation is to be performed. The hours of minority and female employment and training must be substantially uniform throughout the length of the contract, and in each trade, and the contractor shall make a good faith effort to employ minorities and women evenly on each of its projects. The transfer of minority or female employees or trainees from Contractor to Contractor or from project to project for the sole purpose of meeting the Contractor's goals shall be a violation of the contract, the Executive Order and the regulations in 41 CFR 60-4. Compliance with the goals will be measured against the total work hours performed.

3. The Contractor shall provide written notification to the Director of the Office of Federal Contract Compliance Programs within 10 working days of award of any construction subcontract in excess of \$10,000 at any tier for construction work under the contract resulting from this solicitation. The notification shall list the name, address and telephone number of the subcontractor; employer identification number; estimated dollar amount of the subcontract; estimated starting and completion dates of the subcontract; and the geographical area in which the contract is to be performed.
4. As used in this Notice, and in the contract resulting from this solicitation, the "covered area" is**.

*goals and timetables published from time to time by the Director, Office of Federal Contract Compliance Programs (OFCCP)

**Insert description of the geographical areas where the contract is to be performed giving the state, county and city, if any.

**CONSTRUCTION CONTRACTORS AFFIRMATIVE ACTION REQUIREMENTS
GOALS FOR MINORITY PARTICIPATION**

(As published in the Friday, October 3, 1980 Federal Register)

FEMALE PARTICIPATION= 6.9% STATEWIDE

<u>County</u>	<u>Percent</u>	<u>County</u>	<u>Percent</u>	<u>County</u>	<u>Percent</u>
Adams	3.1	Jasper	11.4	Randolph	11.4
Alexander	11.4	Jefferson	11.4	Richland	11.4
Bond	11.4	Jersey	11.4	Rock Island	4.6
Boone	6.3	Jo Davis	0.5	Saline	3.5
Brown	3.1	Johnson	11.4	Sangamon	4.5
Bureau	18.4	Kane	19.6	Schuyler	3.3
Calhoun	11.4	Kankakee	9.1	Scott	4
Carroll	3.4	Kendall	18.4	Shelby	4
Cass	4	Knox	3.3	Stark	3.3
Champaign	7.8	Lake	19.6	St. Clair	14.7
Christian	4	La Salle	18.4	Stephenson	4.6
Clark	2.5	Lawrence	3.5	Tazwell	4.4
Clay	11.4	Lee	4.6	Union	11.4
Clinton	14.7	Livingston	18.4	Vermilion	4.8
Coles	4.8	Logan	4	Wabash	3.5
Cook	19.6	Macon	7.6	Warren	3.3
Crawford	2.5	Macoupin	11.4	Washington	11.4
Cumberland	4.8	Madison	14.7	Wayne	11.4
De Kalb	18.4	Marion	11.4	White	3.5
De Witt	4	Marshall	3.3	Whiteside	3.4
Douglas	4.8	Mason	3.3	Will	20.9
Du Page	19.6	Massac	5.2	Williamson	11.4
Edgar	4.8	McDonough	3.3	Winnebago	6.3
Edwards	3.5	McHenry	19.6	Woodford	4.4
Effingham	11.4	McLean	2.5		
Fayette	11.4	Menard	4.5		
Ford	4.8	Mercer	3.4		
Franklin	11.4	Monroe	14.7		
Fulton	3.3	Montgomery	11.4		
Gallatin	3.5	Morgan	4		
Greene	11.4	Moultrie	4		
Grundy	18.4	Ogle	4.6		
Hamilton	3.5	Peoria	4.4		
Hancock	3.4	Perry	11.4		
Hardin	5.2	Piatt	4.8		
Henderson	3.4	Pike	3.1		
Henry	4.6	Pope	5.2		
Iroquois	18.4	Pulaski	11.4		
Jackson	11.4	Putnam	18.4		

41 CFR 60

60-4.1 Scope and Application.

This part applies to all contractors and subcontractors that hold any Federal or federally assisted construction contract in excess of \$10,000. The regulations in this part are applicable to all of a construction contractor's or subcontractor's construction employees who are engaged in on site construction including those construction employees who work on a non-Federal or non-federally assisted construction site. This part also establishes procedures, which all Federal contracting officers and all applicants, as applicable, shall follow in soliciting for and awarding Federal or federally assisted construction contracts. Procedures also are established which administering agencies shall follow in making any grant, contract, loan, insurance, or guarantee involving federally assisted construction which is not exempt from the requirements of Executive Order 11246, as amended. In addition, this part applies to construction work performed by construction contractors and subcontractors for Federal non-construction contractors and subcontractors if the construction work is necessary in whole or in part to the performance of a non-construction contract or subcontract.

[43 FR 49254, OCT. 20, 1978; 43 FR 51404, NOV. 3, 1978]

60-4.2 Solicitations.

- (a) All Federal contracting officers and all applicants shall include the notice set forth in paragraph (d) of this section and the Standard Federal Equal Employment Opportunity Construction Contract Specifications set forth in § 60-4.3 of this part in all solicitations for offers and bids on all Federal and federally assisted construction contracts or subcontracts to be performed in geographical areas designated by the Director pursuant to § 60-4.6 of the part. Administering agencies shall require the inclusion of the notice set forth in paragraph (d) of this section and the specifications set forth in § 60-4.3 of this part as a condition of any grant, contract, subcontract, loan, insurance or guarantee involving federally assisted construction covered by this Part 60-4.
- (b) All non-construction contractors covered by Executive Order 11246 and the implementing regulations shall include the notice in paragraph (d) of this section in all construction agreements, which are necessary in whole or in part to the performance of the covered non-construction contract.
- (c) Contracting officers, applicants and non-construction contractors shall give written notice to the Director within 10 working days of award of a contract subject to these provisions. The notification shall include the name, address and telephone number of the contractor; employer identification number; dollar amount of the contract, estimated starting and completion dates of the contract; the contract number; and geographical area in which the contract is to be performed.
- (d) The following notice shall be included in, and shall be a part of, all solicitations for offers and bids on all Federal and federally assisted construction contracts or subcontracts in excess of \$10,000 to be performed in geographical areas designated by the Director pursuant to § 60-4.6 of this part (see 41 CFR 60-4.2(a)):

Notice of Requirement for Affirmative Action to Ensure Equal Employment Opportunity (Executive Order 11246)

1. The Offeror or Bidder's attention is called to the "Equal Opportunity Clause" and the "Standard Federal Equal Employment Specifications" set forth herein.
2. The goals and timetables for minority and female participation, expressed in percentage terms for the Contractor's aggregate workforce in each trade on all construction work in the covered area, are as follows:

Time- tables	Goals for minority participation for each trade	Goals for female participation in each trade
	Insert goals for each year.	Insert goals for each year.

These goals are applicable to all the Contractor's construction work (whether or not it is Federal or federally assisted) performed in the covered area. If the contractor performs construction work in a geographical area located outside of the covered area, it shall apply the goals established for such geographical area where the work is actually performed. With regard to this second area, the contractor also is subject to the goals for both its federally involved and nonfederally involved construction.

The Contractor's compliance with the Executive Order and the regulations in 41 CFR Part 60- 4 shall be based on its implementation of the Equal Opportunity Clause, specific affirmative action obligations required by the specifications set forth in 41 CFR 60-4.3(a), and its efforts to meet the goals. The hours of minority and female employment and training must be substantially uniform throughout the length of the contract, and in each trade, and the contractor shall make a good faith effort to employ minorities and women evenly on each of its projects. The transfer of minority or female employees or trainees from Contractor to Contractor or from project to project for the sole purpose of meeting the Contractor's goals shall be a violation of the contract, the Executive Order and the regulations in 41 CFR Part 60-4. Compliance with the goals will be measured against the total work hours performed.

3. The Contractor shall provide written notification to the Director of the Office of Federal Contract Compliance Programs within 10 working days of award of any construction subcontract in excess of \$10,000 at any tier for construction work under the contract resulting from this solicitation. The notification shall list the name, address and telephone number of the subcontractor; employer identification number of the subcontractor; estimated dollar amount of the subcontract; estimated starting and completion dates of the subcontract; and the geographical area in which the subcontract is to be performed.
4. As used in this Notice, and in the contract resulting from this solicitation, the "covered area" is (insert description of the geographical areas where the contract is to be performed giving the state, county and city, if any).

[43 FR 49254, OCT. 20, 1978; 43 FR 51401, NOV. 3, 1978, AS AMENDED AT 45 FR 65977, OCT. 3, 1980]

60-4.3 Equal Opportunity Clauses.

(a) The equal opportunity clause published at 41 CFR 60-1.4(a) of this chapter is required to be included in, and is part of, all nonexempt Federal contracts and subcontracts, including construction contracts and subcontracts. The equal opportunity clause published at 41 CFR 60-1.4(b) is required to be included in, and is a part of, all nonexempt federally assisted construction contracts and subcontracts. In addition to the clauses described above, all Federal contracting officers, all applicants and all non-construction contractors, as applicable, shall include the specifications set forth in this section in all Federal and federally assisted construction contracts in excess of \$10,000 to be performed in geographical areas designated by the Director pursuant to § 60-4.6 of this part and in construction subcontracts in excess of \$10,000 necessary in whole or in part to the performance of non-construction Federal contracts and subcontracts covered under the Executive order.

Standard Federal Equal Employment Opportunity Construction Contract Specifications (Executive Order 11246)

1. As used in these specifications:

a. "Covered area," means the geographical area described in the solicitation from which this contract resulted:

b. "Director" means Director, Office of Federal Contract Compliance Programs, United States Department of Labor, or any person to whom the Director delegates authority;

c. "Employer identification number" means the Federal Social Security number used on the Employer's Quarterly Federal Tax Return, U.S. Treasury Department Form 941.

d. "Minority" includes:

(i) Black (all persons having origins in any of the Black African racial groups not of Hispanic origin);

(ii) Hispanic (all persons of Mexican, Puerto Rican, Cuban, Central or South American or other Spanish Culture or origin, regardless of race);

(iii) Asian and Pacific Islander (all persons having origins in any of the original peoples of the Far East, Southeast Asia, the Indian Subcontinent, or the Pacific Islands); and

(iv) American Indian or Alaskan Native (all persons having origins in any of the original peoples of North America and maintaining identifiable tribal affiliations through membership and participation or community identification).

2. Whenever the Contractor, or any Subcontractor at any tier, subcontracts a portion of the work involving any construction trade, it shall physically include in each subcontract in excess of \$10,000 the provisions of these specifications and the Notice which contains the applicable goals

for minority and female participation and which is set forth in the solicitations from which this contract resulted.

3. If the Contractor is participating (pursuant to 41 CFR 60-4.5) in a Hometown Plan approved by the U.S. Department of Labor in the covered area either individually or through an association, its affirmative action obligations on all work in the Plan area (including goals and timetables) shall be in accordance with that Plan for those trades which have unions participating in the Plan. Contractors must be able to demonstrate their participation in and compliance with the provisions of any such Hometown Plan. Each Contractor or Subcontractor participating in an approved Plan is individually required to comply with its obligations under the EEO clause, and to make a good faith effort to achieve each goal under the Plan in each trade in which it has employees. The overall good faith performance by other Contractors or Subcontractors toward a goal in an approved Plan does not excuse any covered Contractor or Subcontractor's failure to take good faith efforts to achieve the Plan goals and timetables.

4. The Contractor shall implement the specific affirmative action standards provided in paragraphs 7 a through p of these specifications. The goals set forth in the solicitation from which this contract resulted are expressed as percentages of the total hours of employment and training of minority and female utilization the Contractor should reasonably be able to achieve in each construction trade in which it has employees in the covered area. Covered Construction contractors performing construction work in geographical areas where they do not have a Federal or federally assisted construction contract shall apply the minority and female goals established for the geographical area where the work is being performed. Goals are published periodically in the Federal Register in notice form, and such notices may be obtained from any Office of Federal Contract Compliance Programs office or from Federal procurement contracting officers. The Contractor is expected to make substantially uniform progress in meeting its goals in each craft during the period specified.

5. Neither the provisions of any collective bargaining agreement, nor the failure by a union with whom the Contractor has a collective bargaining agreement, to refer either minorities or women shall excuse the Contractor's obligations under these specifications, Executive Order 11246, nor the regulations promulgated pursuant thereto.

6. In order for the nonworking training hours of apprentices and trainees to be counted in meeting the goals, the Contractor must employ such apprentices and trainees during the training period, and the Contractor must have made a commitment to employ the apprentices and trainees at the completion of their training, subject to the availability of employment opportunities. Trainees must be trained pursuant to training programs approved by the U.S. Department of Labor.

7. The Contractor shall take specific affirmative action to ensure equal employment opportunity. The evaluation of the Contractor's compliance with these specifications shall be based upon its effort to achieve maximum results from its actions. The Contractor shall document these efforts fully, and shall implement affirmative action steps at least as extensive as the following:

a. Ensure and maintain a working environment free of harassment, intimidation, and coercion at all sites, and in all facilities at which the Contractor's employees are assigned to work. The Contractor, where possible, will assign two or more women to each construction project. The

Contractor shall specifically ensure that all foremen, superintendents, and other on-site supervisory personnel are aware of and carry out the Contractor's obligation to maintain such a working environment, with specific attention to minority or female individuals working at such sites or in such facilities.

b. Establish and maintain a current list of minority and female recruitment sources, provide written notification to minority and female recruitment sources and to community organizations when the Contractor or its unions have employment opportunities available, and maintain a record of the organizations' responses.

c. Maintain a current file of the names, addresses and telephone numbers of each minority and female off-the-street applicant and minority or female referral from a union, a recruitment source or community organization and of what action was taken with respect to each such individual. If such individual was sent to the union hiring hall for referral and was not referred back to the Contractor by the union or, if referred, not employed by the Contractor, this shall be documented in the file with the reason therefore; along with whatever additional actions the Contractor may have taken.

d. Provide immediate written notification to the Director when the union or unions with which the Contractor has a collective bargaining agreement has not referred to the Contractor a minority person or woman sent by the Contractor, or when the Contractor has other information that the union referral process has impeded the Contractor's efforts to meet its obligations.

e. Develop on-the-job training opportunities and/or participate in training programs for the area which expressly include minorities and women, including upgrading programs and apprenticeship and trainee programs relevant to the Contractor's employment needs, especially those programs funded or approved by the Department of Labor. The Contractor shall provide notice of these programs to the sources compiled under 7b above.

f. Disseminate the Contractor's EEO policy by providing notice of the policy to unions and training programs and requesting their cooperation in assisting the Contractor in meeting its EEO obligations; by including it in any policy manual and collective bargaining agreement; by publicizing it in the company newspaper, annual report, etc.; by specific review of the policy with all management personnel and with all minority and female employees at least once a year; and by posting the company EEO policy on bulletin boards accessible to all employees at each location where construction work is performed.

g. Review, at least annually, the company's EEO policy and affirmative action obligations under these specifications with all employees having any responsibility for hiring, assignment, layoff, termination or other employment decisions including specific review of these items with onsite supervisory personnel such as Superintendents, General Foremen, etc., prior to the initiation of construction work at any job site. A written record shall be made and maintained identifying the time and place of these meetings, persons attending, subject matter discussed, and disposition of the subject matter.

h. Disseminate the Contractor's EEO policy externally by including it in any advertising in the news media, specifically including minority and female news media, and providing written

notification to and discussing the Contractor's EEO policy with other Contractors and Subcontractors with whom the Contractor does or anticipates doing business.

i. Direct its recruitment efforts, both oral and written, to minority, female and community organizations, to schools with minority and female students and to minority and female recruitment and training organizations serving the Contractor's recruitment area and employment needs. Not later than one month prior to the date for the acceptance of applications for apprenticeship or other training by any recruitment source, the Contractor shall send written notification to organizations such as the above, describing the openings, screening procedures, and tests to be used in the selection process.

j. Encourage present minority and female employees to recruit other minority persons and women and, where reasonable, provide after school, summer and vacation employment to minority and female youth both on the site and in other areas of a Contractor's work force.

k. Validate all tests and other selection requirements where there is an obligation to do so under 41 CFR Part 60-3.

l. Conduct, at least annually, an inventory and evaluation at least of all minority and female personnel for promotional opportunities and encourage these employees to seek or to prepare for, through appropriate training, etc., such opportunities.

m. Ensure that seniority practices, job classifications, work assignments and other personnel practices, do not have a discriminatory effect by continually monitoring all personnel and employment related activities to ensure that the EEO policy and the Contractor's obligations under these specifications are being carried out.

n. Ensure that all facilities and company activities are non-segregated except that separate or single-user toilet and necessary changing facilities shall be provided to assure privacy between the sexes.

o. Document and maintain a record of all solicitations of offers for subcontracts from minority and female construction contractors and suppliers, including circulation of solicitations to minority and female contractor associations and other business associations.

p. Conduct a review, at least annually, of all supervisors' adherence to and performance under the Contractor's EEO policies and affirmative action obligations.

8. Contractors are encouraged to participate in voluntary associations, which assist in fulfilling one or more of their affirmative action obligations (7a through p). The efforts of a contractor association, joint contractor-union, contractor-community, or other similar group of which the contractor is a member and participant, may be asserted as fulfilling any one or more of its obligations under 7a through p of these Specifications provided that the contractor actively participates in the group, makes every effort to assure that the group has a positive impact on the employment of minorities and women in the industry, ensures that the concrete benefits of the program are reflected in the Contractor's minority and female workforce participation, makes a good faith effort to meet its individual goals and timetables, and can provide access to documentation which demonstrates the effectiveness of actions taken on behalf of the

Contractor. The obligation to comply, however, is the Contractor's and failure of such a group to fulfill an obligation shall not be a defense for the Contractor's noncompliance.

9. A single goal for minorities and a separate single goal for women have been established. The Contractor, however, is required to provide equal employment opportunity and to take affirmative action for all minority groups, both male and female, and all women, both minority and non-minority. Consequently, the Contractor may be in violation of the Executive Order if a particular group is employed in a substantially disparate manner (for example, even though the Contractor has achieved its goals for women generally, the Contractor may be in violation of the Executive Order if a specific minority group of women is underutilized).

10. The Contractor shall not use the goals and timetables or affirmative action standards to discriminate against any person because of race, color, religion, sex, or national origin.

11. The Contractor shall not enter into any Subcontract with any person or firm debarred from Government contracts pursuant to Executive Order 11246.

12. The Contractor shall carry out such sanctions and penalties for violation of these specifications and of the Equal Opportunity Clause, including suspension, termination and cancellation of existing subcontracts as may be imposed or ordered pursuant to Executive Order 11246, as amended, and its implementing regulations, by the Office of Federal Contract Compliance Programs. Any Contractor who fails to carry out such sanctions and penalties shall be in violation of these specifications and Executive Order 11246, as amended.

13. The Contractor, in fulfilling its obligations under these specifications, shall implement specific affirmative action steps, at least as extensive as those standards prescribed in paragraph 7 of these specifications, so as to achieve maximum results from its efforts to ensure equal employment opportunity. If the Contractor fails to comply with the requirements of the Executive Order, the implementing regulations, or these specifications, the Director shall proceed in accordance with 41 CFR 60-4.8.

14. The Contractor shall designate a responsible official to monitor all employment related activity to ensure that the company EEO policy is being carried out, to submit reports relating to the provisions hereof as may be required by the Government and to keep records. Records shall at least include for each employee the name, address, telephone numbers, construction trade, union affiliation if any, employee identification number when assigned, social security number, race, sex, status (e.g., mechanic, apprentice trainee, helper, or laborer), dates of changes in status, hours worked per week in the indicated trade, rate of pay, and locations at which the work was performed. Records shall be maintained in an easily understandable and retrievable form; however, to the degree that existing records satisfy this requirement, contractors shall not be required to maintain separate records.

15. Nothing herein provided shall be construed as a limitation upon the application of other laws, which establish different standards of compliance or upon the application of requirements for the hiring of local or other area residents (e.g., those under the Public Works Employment Act of 1977 and the Community Development Block Grant Program).

(b) The notice set forth in 41 CFR 60-4.2 and the specifications set forth in 41 CFR 60-4.3 replace the New Form for Federal Equal Employment Opportunity Bid Conditions for Federal and Federally Assisted Construction published at 41 FR 32482 and commonly known as the Model Federal EEO Bid Conditions, and the New Form shall not be used after the regulations in 41 CFR Part 60-4 become effective.

[43 FR 49254, OCT. 20, 1978; 43 FR 51401, NOV. 3, 1978, AS AMENDED AT 45 FR 65978, OCT. 3, 1980]

60-4.4 Affirmative Action Requirements.

(a) To implement the affirmative action requirements of Executive Order 11246 in the construction industry, the Office of Federal Contract Compliance Programs previously has approved affirmative action programs commonly referred to as "Hometown Plans," has promulgated affirmative action plans referred to as "Imposed Plans" and has approved "Special Bid Conditions" for high impact projects constructed in areas not covered by a Hometown or an Imposed Plan. All solicitations for construction contracts made after the effective date of the regulations in this part shall include the notice specified in § 60-4.2 of this part and the specifications in § 60-4.3 of this part in lieu of the Hometown and Imposed Plans including the Philadelphia Plan and Special Bid Conditions. Until the Director has issued an order pursuant to § 60-4.6 of this part establishing goals and timetables for minorities in the appropriate geographical areas or for a project covered by Special Bid Conditions, the goals and timetables for minorities to be inserted in the Notice required by 41 CFR 60-4.2 shall be the goals and timetables contained in the Hometown Plan, Imposed Plan or Special Bid Conditions presently covering the respective geographical area or project involved.

(b) Signatories to a Hometown Plan (including heavy highway affirmative action plans) shall have 45 days from the effective date of the regulations in this part to submit under such a Plan (for the director's approval) goals and timetables for women and to include female representation on the Hometown Plan Administrative Committee. Such goals for female representation shall be at least as high as the goals established for female representation in the notice issued pursuant to 41 CFR 60-4.6. Failure of the signatories, within the 45-day period, to include female representation and to submit goals for women or a new plan, as appropriate, shall result in an automatic termination of the Office of Federal Contract Compliance Program's approval of the Hometown Plan. At any time the Office of Federal Contract Compliance Programs terminates or withdraws its approval of a Hometown Plan, or when the plan expires and another plan is not approved, the contractors signatory to the plan shall be covered automatically by the specifications set forth in § 60-4.3 of this part and by the goals and timetables established for that geographical area pursuant to § 60-4.6 of this part.

60-4.5 Hometown Plans

(a) A contractor participating, either individually or through an association, in an approved Hometown Plan (including heavy highway affirmative action plans) shall comply with its affirmative action obligations under Executive Order 11246 by complying with its obligations under the plan: *Provided*, That each contractor or subcontractor participating in an approved plan is individually required to comply with the equal opportunity clause set forth in 41 CFR 60-1.4; to make a good faith effort to achieve the goals for each trade participating in the plan in which it

has employees; and that the overall good performance by other contractors or subcontractors toward a goal in an approved plan does not excuse any covered contractor's or subcontractor's failure to take good faith efforts to achieve the plan's goals and timetables. If a contractor is not participating in an approved Hometown Plan it shall comply with the specifications set forth in § 60-4.3 of this part and with the goals and timetables for the appropriate area as listed in the notice required by 41 CFR 60-4.2 with regard to that trade. For the purposes of this part 60-4, a contractor is not participating in a Hometown Plan for a particular trade if it:

- (1) Ceases to be signatory to a Hometown Plan covering that trade;
 - (2) Is signatory to a Hometown Plan for that trade but is not party to a collective bargaining agreement for that trade;
 - (3) Is signatory to a Hometown Plan for that trade but is party to a collective bargaining agreement with labor organizations, which are not or cease to be signatories to the same Hometown Plan for that trade;
 - (4) Is signatory to a Hometown Plan for that trade but is party to a collective bargaining agreement with a labor organization for that trade but the two have not jointly executed a specific commitment to minority and female goals and timetables and incorporated the commitment in the Hometown Plan for that trade;
 - (5) Is participating in a Hometown Plan for that trade which is no longer acceptable to the Office of Federal Contract Compliance Programs;
 - (6) Is signatory to a Hometown Plan for that trade but is party to a collective bargaining agreement with a labor organization for that trade and the labor organization and the contractor have failed to make a good faith effort to comply with their obligations under the Hometown Plan for that trade.
- (b) Contractors participating in Hometown Plans must be able to demonstrate their participation and document their compliance with the provision of the Hometown Plan.

[43 FR 49254, OCT. 20, 1978; 43 FR 51401, NOV. 3, 1978]

60-4.6 Goals and Timetables.

The Director, from time to time, shall issue goals and timetables for minority and female utilization, which shall be based on appropriate workforce, demographic, or other relevant data and which shall cover construction projects or construction contracts performed in specific geographical areas. The goals, which shall be applicable to each construction trade in a covered contractor's or subcontractor's entire workforce which is working in the area covered by the goals and timetables, shall be published as notices in the Federal Register, and shall be inserted by the contracting officers and applicants, as applicable, in the Notice required by 41 CFR 60-4.2. Covered construction contractors performing construction work in geographical areas where they do not have a Federal or federally assisted construction contract shall apply the minority and female goals established for the geographical area where the work is being performed.

[45 FR 65978, OCT. 3, 1980]

60-4.7 Effect on Other Regulations.

The regulations in this part are in addition to the regulations contained in this chapter, which apply to construction contractors and subcontractors generally. See particularly, 41 CFR 60-1.4 (a), (b), (c), (d), and (e); 60-1.5; 60-1.7; 60-1.8; 60-1.26; 60-1.29; 60-1.30; 60-1.32; 60-1.41; 60-1.42; 60-1.43; and 41 CFR Part 60-3; Part 60-20; Part 60-30; Part 60-40; and Part 60-50.

60-4.8 Show Cause Notice.

If an investigation or compliance review reveals that a construction contractor or subcontractor has violated the Executive order, any contract clause, specifications or the regulations in this chapter and if administrative enforcement is contemplated, the Director shall issue to the contractor or subcontractor a notice to show cause which shall contain the items specified in paragraphs (i) through (iv) of 41 CFR 60-2.2(c)(1). If the contractor does not show good cause within 30 days, or in the alternative, fails to enter an acceptable conciliation agreement which includes where appropriate, make up goals and timetables, back pay, and seniority relief for affected class members, the OFCCP shall follow the procedure in 41 CFR 60-1.26(b): *Provided*, That where a conciliation agreement has been violated, no show cause notice is required prior to the initiation of enforcement proceedings.

[43 FR 49254, OCT. 20, 1978; 43 FR 51401, NOV. 3, 1978]

60-4.9 Incorporation by Operation of the Order.

By operation of the order, the equal opportunity clause contained in § 60-1.4, the Notice of Requirement for Affirmative Action to Ensure Equal Employment Opportunity (Executive Order 11246) contained in § 60-4.2, and the Standard Federal Equal Employment Opportunity Construction Contract Specifications (Executive Order 11246) contained in § 60-4.3 shall be deemed to be a part of every solicitation or of every contract and subcontract, as appropriate, required by the order and the regulations in this chapter to include such clauses whether or not they are physically incorporated in such solicitation or contract and whether or not the contract is written.

U.S. ENVIRONMENTAL PROTECTION AGENCY

CERTIFICATION OF NONSEGREGATED FACILITIES

(Applicable to federally assisted construction contracts and related subcontracts exceeding \$10,000 that are not exempt from the Equal Opportunity clause.)

The federally assisted construction contractor certifies that he does not maintain or provide for his employees any segregated facilities at any of his establishments, and that he does not permit his employees to perform their services at any location, under his control, where segregated facilities are maintained. The federally assisted construction contractor certifies further that he will not maintain or provide for his employees any segregated facilities at any of his establishments, and that he will not permit his employees to perform their services at any location, under his control, where segregated facilities are maintained. The federally assisted construction contractor agrees that a breach of this certification is a violation of the Equal Opportunity clause in this contract. As used in this certification, the term "segregated facilities" means any waiting rooms, work areas, rest rooms and other storage or dressing areas, parking lots, drinking fountains, recreation or entertainment areas, transportation, and housing facilities provided for employees which are segregated by explicit directive or are in fact segregated on the basis of race, creed, color, or national origin, because of habit, local custom or otherwise. The federally assisted construction contractor agrees that (except where he has obtained identical certifications from proposed subcontractors for specific time periods) he will obtain identical certifications from proposed subcontractors prior to the award of subcontracts exceeding \$10,000 which are not exempt from the provisions of the Equal Opportunity clause, and that he will retain such certification in his files.

Signature _____ Date _____

Name and Title of Signer (Please type) _____

Firm Name _____

NOTE: The penalty for making false statements in offers is prescribed in 18 U.S.C. 1001.

NOTICE TO LABOR UNIONS OR OTHER ORGANIZATIONS OF WORKERS
NONDISCRIMINATION IN EMPLOYMENT

To: _____
(Name of union or organization of workers)

The undersigned currently holds contract(s) with _____
(name of applicant)

involving funds or credit of the U.S. Government or (a) subcontract(s) with a prime contractor holding such contract(s).

You are advised that under the provisions of the above contract(s) or subcontract(s) and in accordance with Executive Order 11246, as amended, dated September 24, 1965, as amended, the undersigned is obliged not to discriminate against any employee or applicant for employment because of race, color, creed or national origin. This obligation not to discriminate in employment includes, but is not limited to, the following:

HIRING, PLACEMENT, UPGRADING, TRANSFER OR DEMOTION, RECRUITMENT, ADVERTISING, OR SOLICITATION FOR EMPLOYMENT, TRAINING DURING EMPLOYMENT, RATES OF PAY OR OTHER FORMS OF COMPENSATION, SELECTION FOR TRAINING INCLUDING APPRENTICESHIP, LAYOFF OR TERMINATION.

This notice is furnished you pursuant to the provisions of the above contract(s) or subcontracts(s) and Executive Order 11246, as amended.

Copies of this notice will be posted by the undersigned in conspicuous places available to employees or applicants for employment.

(Contractor or Subcontractor)

(Date)

EPA Project Control #: _____

United States Environmental Protection Agency
Washington, DC 20460

Certification Regarding Debarment, Suspension and Other Responsibility Matters

The prospective participant to the best of its knowledge and belief that it and its principles:

- (a) Are not presently debarred, suspended, proposed for debarment, declared ineligible, or voluntarily excluded from covered transactions by any Federal department or agency;
- (b) Have not within a three year period preceding this proposal been convicted of or had a civil judgment rendered against them for commission of fraud or a criminal offense in connection with obtaining, attempting to obtain, or performing a public (Federal, State or local) transaction or contract under a public transaction; violation of Federal or State antitrust statutes or commission of embezzlement, theft, forgery, bribery, falsification or destruction of records, making false statements, or receiving stolen property.
- (c) Are not presently indicted for or otherwise criminally or civilly charged by a government entity (Federal, State or local) with commission of any of the offenses enumerated in paragraph (1) (b) of this certification; and
- (d) Have not within a three-year period preceding this application/proposal had one or more public transactions (Federal, State or local) terminated for cause or default.

I understand that a false statement on this certification may be grounds for rejection of this proposal or termination of the award. In addition, under 18 USC Sec. 1001, a false statement may result in fine of up to \$10,000 or imprisonment for up to 5 years, or both.

(Typed Name & Title of Authorized Representative)

(Signature of Authorized Representative) (Date)

I am unable to certify the above statements. My explanation is attached.

EPA FORM 5700-49 (11-88)

Instructions

Under Executive Order 12549 an individual or organization debarred or excluded from participation in Federal assistance or benefit programs may not receive any assistance award under a Federal program, or a sub-agreement thereunder for \$25,000 or more.

Accordingly, each prospective recipient of an EPA grant, loan, or cooperative agreement and any contract or sub-agreement participant thereunder must complete the attached certification or provide an explanation why they cannot. For further details, see 40 CFR 32.510, Participants' responsibilities, in the attached regulation.

Where to Submit

The prospective EPA grant, loan, or cooperative agreement recipient must return the signed certification or explanation with its application to the appropriate EPA Headquarters or Regional office, as required in the application instructions.

A prospective prime contractor must submit a completed certification or explanation to the individual or organization awarding the contract.

Each prospective subcontractor must submit a completed certification or explanation to the prime contractor for the project.

How to Obtain Forms:

EPA includes the certification form, instructions, and a copy of its implementing regulation (40 CFR Part 32) in each application kit. Applicants may reproduce these materials as needed and provide them to their prospective prime contractor, who, in turn, may reproduce and provide them to prospective subcontractors.

Additional copies/assistance may be requested from:

Compliance Branch
Grants Administration Division (PM-216F)
U.S. Environmental Protection Agency
401 M Street, SW
Washington DC 20460
(Telephone: 202-475-8025)

EPA Form 5700-19 (11-88)

**Construction Contracts of Loan Recipient and Other Sections From
"Procedures for Issuing Loans from the Water Pollution Control Loan Program"**

Section 365.420(b)(2) Change Orders

- A) When the loan recipient authorizes the contractor to add, delete, or revise the work within the general scope of the contract documents, or authorizes an adjustment in the contract price or contract time, the loan recipient shall submit a change order to the Agency.
- B) For each change order, the loan recipient shall submit to the Agency for approval the following documentation:
 - i) one copy of the fully executed change order signed by the loan recipient, construction engineer, and the contractor; and
 - ii) a description of any changes, with justification for the changes.
- C) Prior approval by the Agency of a change order is required when a change order results in:
 - i) alterations in design scope that require a modification to a construction permit; or
 - ii) an increase in the amount of loan funds needed to complete the project.
- D) Failure to give timely notice of proposed project changes or action by the loan recipient that is not consistent with the Agency's determination on those changes may result in disallowance of loan participation for costs incurred that are attributable to the change.

Section 365.620(f) Required Construction Contract Provisions

Each construction contract shall include the following provisions:

- 1) Audit; access to records:
 - A) The contractor shall maintain books, records, documents and other evidence directly pertinent to performance on loan work in accordance with Generally Accepted Accounting Principles (GAAP). The contractor shall also maintain the financial information and data used by the contractor in the preparation or support of any cost submissions required under Section 365.420 (b)(2) of the loan rules and a copy of the cost summary submitted to the owner. The Illinois Auditor General, the owner, the Agency, or any of their authorized representatives shall have access to the books, records, papers, documents, and other evidence for purposes of inspection, audit, examination, excerpts, transcriptions, and copying. The contractor shall provide facilities for access and inspection.
 - B) For a formally advertised, competitively awarded, fixed price contract, the contractor shall include access to records as required by subsection (a)(1)(A) of the loan rules for

all negotiated change orders and contract amendments in excess of \$25,000 that affect the contract price. In the case of all other prime contracts, the contractor shall agree to include access to records required by subsection (a)(1)(A) in all contracts and all tier subcontracts or change orders in excess of \$25,000 that are directly related to project performance.

- C) Audits shall be in accordance with auditing standards generally accepted in the United States.
- D) The contractor shall agree to the disclosure of all information and reports resulting from access to records required by subsection (a)(1)(A). When the audit concerns the contractor, the auditing agency shall afford the contractor an opportunity for an audit exit conference and an opportunity to comment on the pertinent portions of the draft audit report. The final audit report shall include the written comments, if any, of the audited parties.
- E) The records required by subsection (a)(1)(A) shall be maintained and made available during performance of the work under the loan agreement and for 3 years after the date of the final loan audit. In addition, records that relate to any dispute or litigation or the settlement of claims arising out of any performance, costs or items to which an audit exception has been taken, shall be maintained and made available for 3 years after resolution of the dispute, appeal, litigation, claim or exception.
- F) The right of access will generally be exercised with respect to financial records under:
 - i) Negotiated prime contracts;
 - ii) Negotiated change orders or contract amendments in excess of \$25,000 affecting the price of any formally advertised, competitively awarded, fixed price contract; and
 - iii) Subcontracts or purchase orders under any contract other than a formally advertised, competitively awarded, fixed price contract.
- G) The right of access will generally not be exercised with respect to a prime contract, subcontract, or purchase order awarded after effective price competition. In any event, the right of access shall be exercised under any type of contract or subcontract:
 - i) With respect to records pertaining directly to contract performance, excluding any financial records of the contractor; and
 - ii) If there is any indication that fraud, gross abuse, or corrupt practices may be involved in the award or performance of the contract or subcontract.

2) Covenant against contingent fees.

The contractor shall warrant that no person or selling agency has been employed or retained to solicit or secure the contract upon an agreement or understanding for a commission, percentage, brokerage, or contingent fee. For breach or violation of this warranty, the owner shall have the right to annul the contract without liability or in its discretion to deduct from the contract price or consideration, or otherwise recover, the full amount of such commission, percentage, brokerage, or contingent fee.

3) Wage provisions.

The Contractor shall pay prevailing wages in accordance with the Davis-Bacon Act (40 USC 3141 through 3148) as defined by the U.S. Department of Labor.

4) Disadvantaged business enterprise requirements.

The contractor shall provide evidence that the contractor has taken affirmative steps in accordance with 40 CFR 33 to assure that disadvantaged business enterprises are used when possible as sources of supplies, equipment, construction, and services, consistent with the provisions of the Agency's Operating Agreement with USEPA.

5) Debarment and suspension provisions.

The contract shall require the successful bidders to submit a Certificate Regarding Debarment, Suspension and Other Responsibility Matters (EPA Form 5700-49) showing compliance with federal Executive Order 12549.

6) Nonsegregated facilities provisions

The contractor shall be required to submit a Certification of Nonsegregated Facilities on forms provided by the Agency.

7) American Iron and Steel

The contractor shall be required to use American Iron and Steel, if required by USEPA for that fiscal year.

8) A clause that provides:

"No contractor or subcontractor shall discriminate on the basis of race, color, national origin or sex in the performance of this contract. The contractor or subcontractor shall carry out applicable requirements of 40 CFR 33 in the award and administration of contracts awarded under the WPCLP. Failure by the contractor or subcontractor to carry out these requirements is a material breach of this contract which may result in the termination of this contract or other legally available remedies."

Section 365.620(g) Subcontracts Under Construction Contracts

The award or execution of all subcontracts by a prime contractor and the procurement and negotiation procedures used by the prime contractor shall comply with:

- 1) All applicable provisions of federal, State and local law;
- 2) All provisions of Part 365 regarding fraud and other unlawful or corrupt practices;
- 3) All provisions of Part 365 with respect to access to facilities, records and audit of records; and
- 4) All provisions of subsection 365.620(f)(5) that require a Certification Regarding Debarment, Suspension, and Other Responsibility Matters (EPA Form 5700-49) showing compliance with any controlling federal Executive Orders.

Section 365.620(h) Contractor Bankruptcy

In the event of a contractor bankruptcy, the loan recipient shall notify the Agency and shall keep the Agency advised of any negotiations with the bonding company, including any proposed settlement. The Agency may participate in those negotiations and will advise the loan recipient of the impact of any proposed settlement to the loan agreement. The loan recipient shall be responsible for assuring that every appropriate procedure and incidental legal requirement is observed in advertising for bids and re-awarding a construction contract.

Section 365.620(i) Access

Every contract entered by the loan recipient for construction work, and every subagreement, shall provide the Agency representatives with access to the work. The contractor or subcontractor shall provide facilities for such access and inspection.

Section 365.640(c) Remedies

All claims, counter-claims, disputes and other matters in question between the recipient and the contractor arising out of, or relating to, a subagreement or its breach shall be decided by arbitration if the parties agree, or in a court of competent jurisdiction within the State.

Bidder Certification
In Compliance with Article 33E-11 to the
"Criminal Code of 2012"

I _____, do hereby certify that:

1. I am _____ of the _____
Name Position Firm
and have authority to execute this certification on behalf of the firm

2. This firm is not barred from bidding on this contract due to either a Bid-rigging or Bid Rotating violation as set forth in Article 33E-11 to the "Illinois Criminal Code of 2012 [720 ILCS 5/33E-11]"

Name of Firm _____

Signature _____

Title _____

Date _____

Corporate Seal (where appropriate)

On this _____ day of _____, 20____, before me appeared (Name)

_____ to me personally known,
who, being duly sworn, did execute the foregoing affidavit, and did state that he or she was properly authorized by (Name of Firm) _____ to execute the affidavit and did so as his or her free act and deed.

Notary Public _____ Commission Expires _____

Notary Seal

Specifications for Disadvantaged Business Enterprise Participation

(Name of Loan Recipient) _____

I. Disadvantaged Business Enterprise Policy

- A. It is the policy of the State of Illinois to award a fair share of sub-agreements to disadvantaged businesses (DBEs). In complying with this requirement, contractors are required to take affirmative steps to assure that disadvantaged businesses are used when possible as sources of supplies, equipment, construction, and services as explained herein.
- B. These specifications define the terms, conditions, and requirements of the State Revolving Fund Loan Program, and the (Name of Loan Recipient) _____'s policy and procedures for complying with these requirements.
- C. As required by the award conditions of USEPA's Assistance Agreement with IEPA, the fair share percentages are 5% for MBEs and 12% for WBEs.

II. Pre-Contract Award Obligations

- A. All bidders are required to advertise subcontracting opportunities and to negotiate with disadvantaged businesses prior to bid opening. Failure to document such affirmative efforts shall be deemed, relative to disadvantaged business compliance, non-responsive.
- B. To establish a bid as responsible, the bidder will be required to document the proposed utilization of disadvantaged businesses with letters of intent signed by the bidder and by the disadvantaged business listed in the bid. The documentation requirements are outlined in Section III of this document.
- C. (Name of Loan Recipient) _____'s disadvantaged business policy clearly intends for bidders to contact and encourage the participation of disadvantaged businesses prior to bid opening. Affirmative efforts (the written record of conscientious and honest communications between the bidder and disadvantaged business) must be initiated and completed by the bidder prior to bid opening. All bidders must document compliance with the requirements of the disadvantaged business policy.

III. Evaluation of Disadvantaged Business Utilization and Affirmative Efforts

- A. As a prerequisite to demonstrate compliance with the (Name of Loan Recipient) _____'s disadvantaged business policy, ALL bidders shall provide the following with its bid:
 - 1. Completed and signed certification from the bidder(s), attesting that the bidder will award no sub-agreements, including the procurement of equipment, materials, supplies and services, in the performance of this contract.

OR

2. "Certification of publication," or adequate proof of publication, including an actual copy of the newspaper advertisement from a daily newspaper. **The advertisement must run one day at least (16) days prior to bid opening.** An example advertisement follows this section.

Bidders may publish the advertisement in an established, online bidder's clearinghouse such as the "Dodge Report (<http://construction.com/dodge/>)". If an online advertisement is placed with the "Dodge Report" or an equivalent website, a screenshot of the advertisement along with the webpage address, and a payment receipt is required as documentation. **The advertisement must run one day at least (16) days prior to bid opening.**

3. List of all disadvantaged business enterprise (DBE) and non-DBE's that submitted proposals to the bidder along with the date of the proposal. Names, addresses, phone number and/or e-mail are required.
4. List of disadvantaged businesses not being utilized and justification for non-utilization.
5. If DBE subcontractors will be utilized for the project, a completed and signed copy of IEPA DBE Form No. 3 (DBE Subcontractor Utilization Form) or an equivalent "Notice of Intent" is needed from each subcontractor.
6. If DBE subcontractors will be utilized for the project, a completed and signed certification from the bidder(s), attesting that the bidder has no controlling or dominating interest or conflict of interest with the disadvantaged business that will be utilized.
7. In instances where the bidder(s) does not receive any proposals from disadvantaged businesses prior to bid opening, the bidder(s) must provide a written certification attesting that no proposals were received.

Failure to submit the documentation pursuant to the requirements of A (1-7) above may cause rejection of the bid as non-responsive.

IV. Sanctions

- A. The (Name of Loan Recipient) _____ may reject one or all bids when the information submitted by the bidder(s) fails to demonstrate compliance with the disadvantaged business requirements (i.e., the bidder fails to place their pre-bid advertisement in a daily newspaper, or approved website, at least 16 days prior to bid opening).
- B. Upon finding that any Party has not complied with the requirements of these specifications, including misrepresenting a firm as a disadvantaged business, any one or a combination of the following actions may be taken.
 1. Declare the bidder and/or subcontractor non-responsive and therefore, ineligible for contract award.
 2. Disallow all contract costs associated with non-compliance.

3. Refer matters which may be fraudulent to the Illinois Attorney General.

V. Post-Contract Award Compliance

- A. As required by the award conditions of USEPA's Assistance Agreement with IEPA, all sub-agreements of the prime contractor must identify that the fair share percentages are 5% for MBEs and 12 % for WBEs.
- B. After award of the prime contract, copies of all disadvantaged business-related sub-agreements between the prime contractor and subcontractors shall be submitted to the owner.
- C. After bid submission, any changes in previously reported disadvantaged businesses utilization shall be handled in accordance with 40 CFR Part 33.302(b-h). If the contractor fails to initiate such actions, the owner may withhold payments and/or institute other appropriate sanctions.

NOT FOR BID

**Suggested Disadvantaged Business (DBE)
Advertisement for Construction Contractors**

Notice to Disadvantaged Businesses

_____, _____, _____, is
(Name of Company) (Address of Company) (Telephone)

seeking disadvantaged businesses for the _____
(Name of Loan Recipient)

Project for subcontracting opportunities in the following areas: _____,
_____.

All disadvantaged businesses should contact, IN WRITING, (certified letter, return receipt requested),
_____ to discuss the subcontracting opportunities. All negotiations must
(Company Contact Person)

be completed prior to bid opening _____.
(Date of Bid Opening)

*The advertisement must clearly state the method of evaluating the proposals or quotations, and the relative importance attached to each criterion. Bidders must uniformly and objectively evaluate the proposals submitted by disadvantaged business in response to the advertisement based upon the evaluation criteria stated in the advertisement. The evaluation criteria must not be restrictive or exclusionary.

Summary Report of Disadvantaged Business Enterprise Requirements for Contractors

- 1) Completed and signed certification from bidder(s), attesting that the bidder will award no sub-agreements, including the procurement of equipment, materials, supplies and services in the performance of this contract (may use IEPA DBE Form #1).

OR

"Certificate of publication, or adequate evidence of proof of publication, including an actual copy of the newspaper advertisement from a daily publication. For advertisements placed in a construction project clearinghouse such as www.construction.com, a screenshot of the advertisement, link to website, and receipt is required for proof of advertising.

- 2) List of all disadvantaged business enterprises (DBE) and non-DBE's that submitted proposals to the bidder/prime contractor. Specify as DBE or non-DBE, type of DBE, and the other information listed below (DBE Form #4 may be used for this purpose).

Name of Company
Name of Owners
Address of Company
E-mail Address of Company
Telephone Number
Date of Proposal
Type of Business
Type of DBE
Description of work to be performed

- 3) List of disadvantaged businesses that submitted proposals to the bidder but will not be utilized. Justification for non-utilization must be provided (may use IEPA DBE Form #1).
- 4) Completed and signed copies IEPA DBE Form #3 (Subcontractor Utilization Form) or equivalent "Notice of Intent". Only applies if using DBE subcontractors.
- 5) Completed and signed certification from bidder(s) attesting that the bidder has no dominating or conflict of interest with the disadvantaged business to be utilized (IEPA DBE Form #1). Only applies if using DBE subcontractors.
- 6) In instances where the bidder(s) does not receive any proposals from disadvantaged businesses prior to bid opening, the bidder(s) must provide a written certification attesting that no proposals were received (IEPA DBE Form #1).
- 7) **Note:** DBE Form #2 is **not** included in this packet. It is for consultants/engineers to report DBE activity. It is for consultants/engineers to report DBE activity. This form may be found in IEPA's DBE Guidance Manual which is available on the Agency's website or mailed upon request by calling 217-782-2027.

IEPA Disadvantaged Business Enterprise (DBE) Program Form #1
Contractor Certification Form

(To be completed by all Prime Contractors)

Please check the appropriate boxes that apply and complete the information on the bottom of the form.

- This firm will award no subcontracts (including in the procurement of equipment, supplies, or services), in the performance of this contract.
- This firm advertised for DBE subcontractors according to the good faith efforts outlined in the IEPA DBE Guidance Document.
- This firm received proposals from DBE(s) that will not be utilized. A list of the DBEs not hired, along with their address, phone number, and reason(s) for non-utilization, is below.

- This firm did not receive any inquiries from DBEs.

I certify that the above is true. I further certify that this firm and its partners, directors, and officers do not possess a controlling interest in ownership or conflict of interest or any other authority to control the DBE to be used during the performance of the contracts.

By: _____
NAME: _____
TITLE: _____
Company: _____

Date: ___/___/___

**EPA Disadvantaged Business Enterprise (DBE) Program Form #3
Subcontractor Utilization Form**

(Only complete this form if DBE subcontractors or sub-consultants will be working on a project)

This form is intended to capture the DBE subcontractor’s description of work to be performed and the price of the work submitted to the prime contractor. All subcontractors must complete this form, and it must be included in the prime contractor’s bid package.

Subcontractor Name	Project Name
Contact Person’s Name & Title	
Address	
Telephone	Email
DBE Certified By:	Select all that apply. At least one is required: MBE WBE SBE DBE
Prime Contractor Name	
Type of Work to be Performed	Cost Estimate of Work

I certify under penalty of perjury that the forgoing statements are true and correct. Signing this form does not signify a commitment to using the subcontractors above. I am aware that in the event of a replacement of a subcontractor, I will adhere to the replacement requirements set forth in 40 C.F.R. Part 33 Section 33.302(c).

Prime Contractor Signature:	Print Name:
Date:	Title:
Subcontractor Signature:	Print Name:
Date:	Title:

IEPA Disadvantaged Business Enterprise (DBE) Program Form #4, Bidders List
(Only complete this form if subcontractors or sub-consultants will be working on a project)

Using this form/format is optional. Other formats are acceptable.

Company Name & Contact Person	Address	Phone No. w/ area code	Email	Proposed Work (supplies, paint, paint etc.)	DBE Status (MBE, WBE, DBE, SBE or Not Applicable)
					<p>Check if Hired</p> <input type="checkbox"/>
					<p>Check if Hired</p> <input type="checkbox"/>
					<p>Check if Hired</p> <input type="checkbox"/>
					<p>Check if Hired</p> <input type="checkbox"/>

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**Bidder Certification Regarding the Use of
American Iron and Steel Products**

I _____, do hereby certify that:
Name

1. I am _____ (title) of the _____ (company, partnership, etc.) and have authority to execute this certification on behalf of the firm.
2. This firm is aware that all iron and steel products used for this project must be produced in the United States per Section 436 (a) – (f) of the Consolidated Appropriations Act, 2014.
3. This firm is aware that the use of American iron and steel products applies to all projects for the construction, alteration, maintenance, or repair of publicly owned treatment works (POTW) or public water systems.
4. This firm understands the term “iron and steel products” refers to the following products made primarily of iron or steel: lined or unlined pipes and fittings, manhole covers and other municipal castings, hydrants, tanks, flanges, pipe clamps and restraints, valves, structural steel, reinforced precast concrete, and construction materials.
5. I am aware that this requirement applies to all portions of the project that are subcontracted.

Name of Company _____

Signature _____

Title _____

Date _____

Corporate Seal (where appropriate)

Requirements Specific to American Iron and Steel

The Consolidated Appropriations Act of 2014 (Public Law 113-76) first included an "American Iron and Steel (AIS)" requirement that requires Clean Water State Revolving Fund (CWSRF) and Drinking Water State Revolving Fund (DWSRF) loan recipients to use iron and steel products that are produced in the United States for projects involving the construction, alteration, maintenance, or repair of a public water system or treatment works if the project is funded through a CWSRF or a DWSRF loan. Guidance is available on USEPA's website: http://water.epa.gov/grants_funding/aisrequirement.cfm. Waivers from the requirements are available under certain circumstances.

For CWSRF or DWSRF purposes, an iron or steel product is one of the following made primarily of iron or steel that is permanently incorporated into the public water system or treatment works:

- Pipes (lined or unlined) and fittings;
- Manhole Covers;
- Municipal Castings (defined in more detail below);
- Hydrants;
- Tanks;
- Flanges;
- Pipe clamps and restraints;
- Valves;
- Structural steel (defined in more detail below);
- Reinforced precast concrete; and
- Construction materials (defined in more detail below).

For one of the listed products to be considered subject to the AIS requirements, it must be made of greater than 50% iron or steel, measured by costs. The cost should be based on the material costs.

For the purposes of AIS, steel means an alloy that includes at least 50 percent iron, between .02 and 2 percent carbon, and may include other elements. Metallic elements such as chromium, nickel, molybdenum, manganese, and silicon may be added during the melting of steel for the purpose of enhancing properties such as corrosion resistance, hardness, or strength. The definition of steel covers carbon steel, alloy steel, stainless steel, tool steel and other specialty steels.

For the purposes of AIS, production in the United States of the iron or steel products used in the project requires that all manufacturing processes, including application of coatings, must take place in the United States, except for metallurgical processes involving refinement of steel additives. All manufacturing processes includes processes such as melting, refining, forming, rolling, drawing, finishing, fabricating and coating. Further, if a domestic iron and steel product is taken out of the US for any part of the manufacturing process, it becomes foreign source material. However, raw materials such as iron ore, limestone and iron and steel scrap are not covered by the AIS requirement, and the material(s), if any, being applied as a coating are similarly not covered. Non-iron or steel components of

an iron and steel product may come from non-US sources. For example, for products such as valves and hydrants, the individual non-iron and steel components do not have to be of domestic origin. Raw materials, such as iron ore, limestone, scrap iron, and scrap steel, can come from non-US sources.

For AIS, municipal castings are cast iron or steel infrastructure products that are melted and cast. They typically provide access, protection, or housing for components incorporated into utility owned drinking water, storm water, wastewater, and surface infrastructure. They are typically made of grey or ductile iron, or steel. Examples of municipal castings are:

Access Hatches;	Drainage Greates, Frames and Curb Inlets;
Ballast Screen;	Inlets;
Benches (Iron or Steel);	Junction Boxes;
Bollards;	Lampposts;
Cast Bases;	Manhole Covers, Rings and Frames, Risers;
Cast Iron Hinged Hatches, Square and Rectangular;	Meter Boxes;
Cast Iron Riser Rings;	Service Boxes;
Catch Basin Inlet;	Steel Hinged Hatches, Square & Rectangular;
Cleanout/Monument Boxes;	Steel Riser Rings;
Construction Covers and Frames;	Trash receptacles;
Curb and Corner Guards;	Tree Grates;
Curb Openings;	Tree Guards;
Detectable Warning Plates;	Trench Grates; and
Downspout Shoes (Boot, Inlet);	Valve Boxes, Covers and Risers.

For AIS, structural steel is rolled flanged shapes, having at least one dimension of their cross-section three inches or greater, which are used in the construction of bridges, buildings, ships, railroad rolling stock, and for numerous other constructional purposes. Such shapes are designated as wide-flange shapes, standard I-beams, channels, angles, tees and zees. Other shapes include H-piles, sheet piling, tie plates, cross ties, and those for other special purposes.

For AIS, construction materials are those articles, materials, or supplies made primarily of iron and steel, that are permanently incorporated into the project, not including mechanical and/or electrical components, equipment and systems. Some of these products may overlap with what is also considered “structural steel.” This includes, but is not limited to, the following products: wire rod, bar, angles, concrete reinforcing bar, wire, wire cloth, wire rope and cables, tubing, framing, joists, trusses, fasteners (i.e., nuts and bolts), welding rods, decking, grating, railings, stairs, access ramps, fire escapes, ladders, wall panels, dome structures, roofing, ductwork, surface drains, cable handing systems, manhole steps, fencing and fence tubing, guardrails, doors, and stationary screens.

For the purposes of AIS, mechanical and electrical components, equipment and systems are not considered construction materials. Mechanical equipment is typically that which has motorized parts

and/or is powered by a motor. Electrical equipment is typically any machine powered by electricity and includes components that are part of the electrical distribution system.

There are specific requirements for precast concrete to comply with AIS. While reinforced precast concrete may not be at least 50% iron or steel, in this case, the reinforcing bar and wire must be produced in the US and meet the same standards as for any other iron or steel product. Additionally, the casting of the concrete product must take place in the US. The cement and other raw materials used in concrete production are not required to be of domestic origin. If the reinforced concrete is cast at the construction site, the reinforcing bar and wire are considered a construction material and must be produced in the US.

Recordkeeping for Iron and Steel Products: Documenting the Country of Origin for Iron and Steel Products for Loan Programs

Loan recipients with assistance from their general contractor must be able to verify that products used in their projects comply with the AIS requirements. USEPA recommends loan recipients use a “Step Certification” process to ensure that producers adhere to the AIS requirements. Step certification is a process under which each handler (supplier, fabricator, manufacturer, etc.) of the iron and steel products certifies that their step in the process was domestically performed. Each time a step in the manufacturing process takes place, the manufacturer delivers its work along with a certification of its origin. A certification can be quite simple as long as it includes the name of the manufacturer, the location of the manufacturing facility (not company headquarters), a description of the product or item being delivered, and a signature by a manufacturer’s responsible party. An example of this type of certification is attached.

Certification could be achieved by other methods such as requiring the final manufacturer, who delivers the iron/steel products to the worksite, to provide certification that all manufacturing processes occurred in the US. While this type of certification is easier and acceptable, it may not provide the same degree of assurance and additional documentation may be needed. USEPA auditors recommend keeping records of when and where the products were delivered. Examples include: Perry Water Plant on August 3, 2017, or Jankousky Construction Offices on October 5, 2017. Records from the manufacturer should refer to specific items such as pipes, valves, meters. Try to avoid records containing broad statements such as, “All products delivered were made in the USA.”

Regardless of the method, documents regarding the country of origin for iron and steel products should be collected and maintained by all loan recipients. Having a good paper trail is invaluable during an inspection or audit.

Information is available at <http://www.epa.illinois.gov/topics/grants-loans/water-financial-assistance/state-revolving-fund/guidance/index>.

Sample Certification Letter

The following information is provided as a sample letter of step certification for AIS compliance. The completed letter is provided to the construction contractor or loan applicant from the supplier, fabricator, manufacturer, etc. of iron and steel products. Documentation must be provided on company letterhead. If e-mail is used, documents should be scanned so the company letterhead is visible.

Company Letterhead

Date

Company Name
Company Address
City, State, Zip

Subject: American Iron and Steel Step Certification for Project (xxx *Identify Project Here* xxx)

I, (company representative), certify that the (melting, bending, coating, galvanizing, cutting, etc.) process for (manufacturing or fabricating) the following products and/or materials shipped or provided for the subject project is in full compliance with the American Iron and Steel requirements as mandated in EPA's State Revolving Fund Programs.

Item, Products, and/or Materials:

1. XXX
2. XXX
3. XXX

Such process took place at the following location (City and State must be included):

If any of the above compliance statements change while providing material to the project we will immediately notify the prime contractor and the engineer.

Signed by Company Representative

BID PRICE LIMITATIONS

The bid price for TRAFFIC CONTROL AND PROTECTION shall not exceed 5 percent of the total bid price. If the bid price for TRAFFIC CONTROL AND PROTECTION exceeds 5 percent of the total bid price, the Village may reject the Bid.

The bid price for CONSTRUCTION LAYOUT shall not exceed 2 percent of the total bid price. If the bid price for CONSTRUCTION LAYOUT exceeds 2 percent of the total bid price, the Village may reject the Bid.

The bid price for PRE-CONSTRUCTION VIDEO RECORDING shall not exceed 1 percent of the total bid price. If the bid price for PRE-CONSTRUCTION VIDEO RECORDING exceeds 1 percent of the total bid price, the Village may reject the Bid.

Bidder, in submitting a Bid, certifies that the Bid is in compliance with these requirements. The Village's determination as to whether or not to reject a Bid that does not comply with these requirements will be final, and Bidder, in submitting a Bid, agrees to be bound by that determination.

BIDS TO REMAIN SUBJECT TO ACCEPTANCE

All bids shall remain subject to acceptance by the Village for a period of 60 calendar days from the date of the bid opening. The Village may extend the acceptance period by up to an additional 60 calendar days upon written notice to all bidders by the Village. The Village may, in its sole discretion, release any bid and return the bid bond prior to the end of the acceptance period.

INCREASED OR DECREASED QUANTITIES

The Village reserves the right to increase or decrease the amount of work shown in the plans in accordance with Section 109 of the Standard Specifications.

SUBCONTRACTORS

Add the following to the end of Section 108.01 of the Standard Specifications:

“The apparent low Bidder will submit to the Engineer within ten calendar days after the receipt of bids, a list of the names of Bidder's proposed subcontractors along with a description of the work to be performed by each.”

INSURANCE

Insurance and indemnification shall be in accordance with applicable sections of the Standard Specifications and shall also be in accordance with the “IRMA Contractual Insurance Guidelines”, incorporated herein as Appendix 3. If a conflict is determined to exist between the requirements prescribed in the Standard Specifications and the

requirements prescribed in the IRMA Contractual Insurance Guidelines, such conflict will be resolved as follows:

- a. If a particular type of insurance coverage is required by one standard but not by both, that type of insurance coverage will be required.
- b. If the minimum limits of insurance coverage required by one standard differ from those required by the other standard, the higher minimum limits of insurance coverage will prevail.
- c. If any other conflicts are determined to exist between the requirements prescribed in the two standards, the stricter of the two requirements will prevail. The Village will make the final determination as to what constitutes a stricter requirement.

DUPAGE COUNTY HIGHWAY PERMIT

A DuPage County Highway Permit is not required for this project.

MOBILIZATION

Mobilization shall be in accordance with Section 671 of the Standard Specifications, except as modified herein.

Revise Article 671.02, Basis of Payment, to read:

Basis of Payment. This work will be paid for at the lump sum price for MOBILIZATION.

COMPLETION OF PROJECT

All work shall be substantially completed and the roadway fully open to traffic as specified with these contract documents, less punch list items, within the following working days of Notice to Proceed:

- **85 working days**

The Contractor shall begin once Notice to Proceed is received from the Village. The Notice to Proceed will be determined by the Village. As soon as the Village gives permission for work to begin, the countdown of calendar days shall begin the following day. Under no condition shall the Contractor start work without prior approval from the Village.

Punch list items, including Final Inspection per Article 105.13 of the Standard Specifications, are to be completed within 10 working days of substantial completion. In the event the Contractor does not complete the work within the specified working days allotted by the contract, then Article 108.09 of the Standard Specifications shall apply. Liquidated damages will accrue at a per calendar day rate defined by the table in Article 108.09 of the Standard Specifications.

WORKING HOURS

Working hours will be between 7:00 A.M. and 5:00 P.M., Monday through Friday, excluding holidays as designated by the Contract.

Contractor will not permit the performance of Work outside these working hours without Owner's written consent, which may be given after prior written request to Engineer, except as otherwise required for the safety of persons or the Work or property at the Site or adjacent thereto, and except as otherwise stated in the Contract Documents.

If Contractor permits the performance of Work outside these working hours, Contractor will compensate Owner for the costs of inspection and other services provided by Engineer. Owner will determine the rates at which such inspection and other services are to be compensated. Owner will determine the interval or intervals at which billing will take place, and may, at Owner's discretion, submit invoices for payment to Contractor, or deduct the costs from any monies due or to become due to the Contractor from Owner.

HOLIDAYS

Revise the list of legal holidays in Article 107.09 of the Standard Specifications to read:

New Year's Day
Easter
Memorial Day
Independence Day
Labor Day

Thanksgiving Day
Thanksgiving Friday
Christmas Eve
Christmas Day
New Year's Eve

SPECIAL EVENTS

The contractor is to coordinate with the Village for any upcoming or anticipated special events to take place in or near the project area during construction.

Contractor shall make accommodations for all special events as directed by the Village or by the Engineer. Such accommodations shall include, but not be limited to, cleaning up the project area or a portion of the project area, implementing additional traffic control

or safety measures, removing materials or equipment from a particular portion of the project area, ceasing construction operations in a particular portion of the project area, scheduling construction operations around special events, and other accommodations as directed.

Compliance with this special provision will not be paid for separately but shall be included in the cost of the contract.

PUBLIC CONVENIENCE AND SAFETY (D-1)

Effective: May 1, 2012

Revised: July 15, 2012

Add the following to the end of the fourth paragraph of Article 107.09:

“If the holiday is on a Saturday or Sunday, and is legally observed on a Friday or Monday, the length of Holiday Period for Monday or Friday shall apply.”

Add the following sentence after the Holiday Period table in the fourth paragraph of Article 107.09:

“The Length of Holiday Period for Thanksgiving shall be from 5:00 PM the Wednesday prior to 11:59 PM the Sunday After”

Delete the fifth paragraph of Article 107.09 of the Standard Specifications:

“On weekends, excluding holidays, on roadways with Average Daily Traffic of 25,000 or greater, all lanes shall be open to traffic from 3:00 P.M. Friday to midnight Sunday except where structure construction or major rehabilitation makes it impractical.”

MAINTENANCE WARRANTY

The Contractor shall execute and deliver to the Village, before final payment will be issued, a written warranty, in a form satisfactory to the Village, which guarantees that all work is in accordance with the contract and will not be defective. This warranty shall guarantee all work for a period of 1 year from the date of final inspection.

The Contractor shall furnish a warranty bond in an amount equal to 10 percent of the final contract amount, or \$100,000, whichever is greater, by a surety satisfactory to the Village to guarantee Contractor’s warranty to repair defective work.

If, within the warranty period, the Village determines any work to be defective, a written notice of such deficiency will be sent to the Contractor by certified mail.

The Contractor shall, within 14 calendar days of receipt of the notice of deficiency, and without cost to the Village, correct or repair such defective work, or remove and replace the defective work in accordance with the contract requirements for the item or items in question.

If Contractor desires an extension of time to complete the corrective work, Contractor shall make such request in writing within 10 calendar days of receipt of the notice of deficiency. After the Contractor has filed a request for an extension of time, the Village will notify the Contractor, in writing, whether or not such extension will be approved.

Should the Contractor fail to complete the corrective work within the 14 calendar days or within such extended time as may have been allowed, the Contractor shall be liable and shall pay to the Village the amount shown in the Schedule of Deductions for Each Day of Overrun in Contract Time, not as a penalty but as liquidated damages, for each day of overrun beyond the 14 calendar days or such extended time as may have been allowed.

CONSTRUCTION SAFETY AND HEALTH STANDARDS

It is a condition of this contract and shall be made a condition of each subcontract entered into pursuant to this contract that the Contractor and any Subcontractor shall not require any laborer or mechanic employed in performance of that contract to work in surroundings or under working conditions which are unsanitary, hazardous or dangerous to their health or safety, as determined under Federal Construction Safety and Health Standards.

FINAL INSPECTION

Final inspection shall be in accordance with Article 105.13 of the Standard Specifications, except as modified herein.

Revise the second paragraph of Article 105.13, Final Inspection, to read:

“If the inspection discloses any work, in whole or in part, as being unsatisfactory, the Engineer will give the Contractor the necessary instructions for correction of same, and the Contractor shall comply with such instructions within 14 calendar days of receipt of such instructions. The Contractor shall give the Engineer not less than 48-hours notice, in writing, prior to beginning any such corrective work. Upon completion of all corrective work, the Contractor shall give the Engineer notice in writing. Upon receipt of such notice, the Engineer will make another inspection which shall constitute the final inspection provided the work has been satisfactorily completed. In such event, the Engineer will notify the Contractor in writing of the date of final inspection.”

MAINTENANCE OF ROADWAYS

Effective: September 30, 1985

Revised: November 1, 1996

Beginning on the date that work begins on this project, the Contractor shall assume responsibility for normal maintenance of all existing roadways within the limits of the improvement. This normal maintenance shall include all repair work deemed necessary by the Engineer but shall not include snow removal operations. Traffic control and protection for maintenance of roadways will be provided by the Contractor as required by the Engineer.

If items of work have not been provided in the contract, or otherwise specified for payment, such items, including the accompanying traffic control and protection required by the Engineer, will be paid for in accordance with Article 109.04 of the "Standard Specifications".

KEEPING ROADS OPEN TO TRAFFIC

All roads shall remain open to traffic unless otherwise shown on the contract plans. When necessary to close one lane because of construction, the Contractor shall maintain one-way traffic during construction hours with the use of signs and flaggers as shown on the Traffic Control Standards. Two lanes of traffic will be maintained during nights and weekends when no construction activities are being carried on.

RESPONSIBILITY FOR VANDALISM

The Contractor shall be responsible for the protection of all equipment and materials. Any equipment or materials which are stolen, missing, lost, damaged or vandalized shall be the Contractor's responsibility to replace or repair as needed at no additional cost to the contract.

The Contractor shall be responsible for the defacement of any concrete pours before they have set up. Concrete pavement, sidewalk, driveway, or curbing that has been defaced, in the opinion of the Engineer, shall be removed and replaced by the Contractor at Contractor's expense.

USE OF FIRE HYDRANTS

Revise Article 107.18, Use of Fire Hydrants, of the Standard Specifications to read:

“107.18 Use of Fire Hydrants. If Contractor requires water for the completion of construction operations, and desires to obtain water from the Village, the Contractor shall make written application to the Village. If such application is approved by the Village, the Contractor shall obtain water from the fire hydrant located at 100 West Home Avenue, adjacent to the Village of Villa Park Fleet Maintenance Garage. Contractor’s use of said hydrant and methods of obtaining water shall follow all applicable ordinances, rules, and regulations concerning such use. Contractor shall furnish all labor and equipment necessary to make a connection to said hydrant, and to obtain and transport water.

Prior to obtaining water, Contractor shall make written application to the Village for temporary use of a hydrant meter. If the application for temporary use of a hydrant meter is approved, the Contractor shall provide a deposit of three-thousand dollars (\$3,000.00) to the Village for the temporary use of said hydrant meter, which deposit will be held by the Village until such time that the meter is returned to the Village by the Contractor in satisfactory condition. Contractor shall use said hydrant meter when obtaining water and shall comply with all conditions for the use of said meter. Contractor shall return the hydrant meter to the Village within 24 hours of project completion and within 24 hours of any request by the Village that the hydrant meter be returned.

If Contractor makes application for temporary use of a hydrant meter and the application is not approved, Contractor shall make record of the quantity of water obtained, along with the date and time obtained, and shall report such information after each use to the Village of Villa Park Public Works Department, 11 West Home Avenue. If such use takes place outside of the normal working hours of the Public Works Department, Contractor shall report such information immediately upon the commencement of normal working hours.

Contractor shall not use, operate or obtain water from any hydrants other than the hydrant prescribed. Contractor shall not obtain water from the Village for construction operations or activities not under contract with the Village.

If a water main break occurs and the Village determines that the water main break is a result of Contractor’s use of a hydrant, the Village may require the Contractor to repair the water main break in accordance with all applicable construction standards and requirements and at no cost to the contract, or may repair the water main break by other means and invoice the Contractor for reimbursement of the Village’s costs.

Water usage will be measured according to the Special Provisions WATER USAGE DEDUCTION and WATER USAGE CREDIT.”

TRENCH BACKFILL AND PIPE BEDDING

Revised: March 29, 2018 KLM

All trench backfill and pipe bedding materials furnished under this contract shall be virgin, non-recycled materials.

All trench backfill shall be crushed aggregate of CA-6 gradation. The aggregate material shall be placed in lifts not exceeding 8 in. in depth, loose measurement, and compacted by mechanical means to the satisfaction of the Engineer.

All pipes installed under this contract shall be placed on a bedding of crushed aggregate of CA-7 or CA-11 gradation having a minimum thickness of four inch (4"). The bedding shall be placed to a minimum of 12 in. above the top of the pipe and any fittings.

The cost of furnishing and installing pipe bedding materials will not be paid for separately but shall be included in the cost of items to which this work pertains.

EXCAVATION AND BACKFILLING OF DRAINAGE AND UTILITY STRUCTURES

Excavation, bedding and backfilling of drainage and utility structures which are constructed, reconstructed, or adjusted as a part of this contract will not be paid for separately but shall be included in the cost of the items to which this work pertains.

ADJUSTING RINGS

All drainage and utility structures which are constructed, reconstructed, or adjusted as a part of this contract shall have adjusting rings installed between the topmost section of the structure and the casting.

Each structure shall be fitted with a minimum of one adjusting ring and a maximum of two adjusting rings. The topmost adjusting ring on each structure shall be rubber. The second adjusting ring on each structure, if needed, shall be precast concrete with steel reinforcement. The total height of all adjusting rings on a single structure shall be a minimum of 2 in. and a maximum of 6 in.

The mating faces of adjusting rings shall be smooth, parallel, and free of cracks, chips, spalling, or casting irregularities. Rubber mastic shall be installed between each joint.

Adjusting rings will not be paid for separately but shall be included in the cost of the items to which this work pertains.

SALVAGE AND DISPOSAL OF EXISTING MATERIALS

Existing manufactured materials which are removed and are not to be reused, including, but not limited to, frames, grates, lids, castings, sign posts, sign panels, fire hydrants,

valves, stops, and fittings, shall remain the property of the Village unless the Engineer waives this requirement as specified herein.

Existing manufactured materials which are removed and are not to be reused will be inspected by the Engineer. Materials which are determined by the Engineer to be in satisfactory condition shall remain the property of the Village and shall be delivered by the Contractor to the Village of Villa Park Public Works Department yard located at 51 South Ardmore Avenue in Villa Park. Delivery shall be made during the normal working hours of the Village of Villa Park Public Works Department and the Contractor shall coordinate the day, time, and other details of delivery with the Village.

Materials which are determined by the Engineer to be in unsatisfactory condition shall become the property of the Contractor and shall be removed from the site by the end of the workday and properly disposed of by the Contractor.

The delivery or disposal of materials will not be paid for separately but shall be included in the cost of all items that include removal of existing materials.

FRAMES, GRATES AND LIDS

Frames, grates, lids and all other castings furnished under this contract shall be in accordance with Section 602 and Section 604 of the Standard Specifications, except as modified herein.

Castings shall conform to ASTM A48 Class 30. Castings shall be free of cracks, holes, swells, cold shuts, and patches. Castings shall not be coated or painted.

Frames, grates, lids and other castings shall be furnished in accordance with the following:

Type 1 frames and closed lids shall be Neenah R-1713 self-sealing or approved equal.

Type 1 frames and open lids shall be Neenah R-1713 or approved equal.

Type 11 frames and grates located in barrier curb and gutter shall be Neenah R-3281-A with curb box or approved equal.

Type 11 frames and grates located in depressed curb and gutter shall be Neenah R-3281-A with depressed curb grate or approved equal.

Type 8 frames and grates located in Parkway ditch shall be Neenah R-3281-A or approved equal.

All other castings not specified above shall be as shown on the plans or as directed by the Engineer. If any of the castings specified are not compatible in the field due to frame height or other constraints, the Contractor shall propose an alternate casting to the Engineer for approval and shall furnish the alternate casting if approved.

Frames, grates, lids and other castings located within curb ramps or crosswalks shall be substituted with ADA compliant castings.

All closed lid castings furnished under this contract shall be self-sealing, gasketed, watertight, and shall have machined bearing surfaces and concealed pick holes. The top surface of all closed lids shall be embossed with the words "VILLAGE OF VILLA PARK". The top surface of closed lids shall also be embossed with the word "SANITARY", "STORM", or "WATER" as appropriate.

Enviro-curb logos on curb boxes for Type 11 and Type 8 frames and grates shall have the words "DUMP NO WASTE" and "DRAINS TO RIVER" or "DRAINS TO WATERWAY" cast into the top of all curb boxes.

This work will not be paid for separately but shall be included in the cost of all pay items that include the furnishing of frames, grates, lids, or other castings.

DATE OF MANUFACTURE

All manufactured materials furnished under this contract, including, but not limited to, frames, grates, lids, castings, fire hydrants, pipe, drainage and utility structures, valves, stops, and fittings, shall have been manufactured no earlier than January 1 of the calendar year in which they are to be installed.

IRON AND STEEL MATERIALS

All iron and steel materials furnished under this contract shall be domestically manufactured or produced and fabricated in accordance with Article 106.01 of the Standard Specifications.

PROTECTION OF EXISTING DRAINAGE FACILITIES DURING CONSTRUCTION

Unless otherwise noted in the contract plans, the existing drainage facilities shall remain in use during the period of construction.

Locations of existing drainage structures and sewers, if shown on the contract plans, are approximate. Prior to commencement of work, the Contractor, at his/her own expense,

shall determine the exact location of existing structures which are within the proposed construction site.

All drainage structures are to be kept free from any debris resulting from construction operations. All work and materials necessary to prevent accumulation of debris in the drainage structure resulting from construction operations shall be removed at the Contractor's own expense, and no extra compensation will be allowed.

Unless reconstruction or adjustment of an existing manhole, catch basin, or inlet is called for in the contract plans or ordered by the Engineer, the proposed work shall meet the existing elevations of these structures. Should reconstruction or adjustment of a drainage structure be required by the Engineer in the field, the necessary work and payment shall be done in accordance with Section 602 and Article 104.02 respectively, of the Standard Specifications.

Existing frames and grates are to remain in the site unless otherwise noted in the contract plans or as directed by the Engineer. Frames and grates that are missing or damaged prior to construction shall be replaced. The type of replacements frame or grate shall be determined by the Engineer, and replacement and payment for same shall be in accordance with Section 604 and Article 104.02 respectively, of the Standard Specifications unless otherwise noted in the plans or special provisions.

DROP HAMMERS

The use of drop hammers or similar equipment will not be permitted.

SHOP DRAWINGS AND SUBMITTALS

Prior to fabrication of materials, the Contractor shall submit shop drawings of the materials to the Engineer for review. Shop drawings shall consist of complete descriptive literature on the materials including all pertinent dimensions, material specifications, and data. Prior to submitting shop drawings to the Engineer, the Contractor shall first review the shop drawings and make corrections or revisions which are appropriate. A minimum of three (3) copies of shop drawings must be submitted. Two (2) of the copies submitted shall be retained for use by the Engineer and Owner, and the remaining copies shall be returned to the Contractor. The Contractor shall always be required to maintain a complete set of shop drawings on the job site while work is in progress and shall make them available to the Engineer upon request.

Submit the following shop drawings, certifications and samples required in the specifications:

- PVC, RCP and DI pipes.

- Manholes, Chimney Seals, External wrap, Castings, Grates, Flexible Synthetic Rubber Boot, Extrudable Preform or Plastic Gasket, EZ-Stik, Non-shrink Grout.
- Restrained joints, mission couplings.
- Pre-construction television inspection.
- B-box, Curb Stop, Corporation Stop.
- Traffic Control Plans.
- Internal video inspection of new sewers (post construction).
- Operations and maintenance manuals (post construction).

This is a non-exhaustive list. The Contractor shall provide all shop drawings that are required in the specifications.

CLEAN UP

The cost of cleanup operations shall be spread evenly through the bid items on the proposal. Clean up shall consist of removing all debris from the job site, and removal of all excess dirt, pipe pieces, lumber scraps, paper cups, etc., left by the Contractor's forces. Clean up shall be performed as the work progresses, and a final clean up shall be done after all operations, including jetting and resurfacing, are completed.

BRACING AND SHEETING

Description. The Contractor, if necessary, shall furnish, place and maintain all bracing and sheeting to safeguard adjacent utilities, as well as the work done under this contract.

Basis of Payment. The cost of such required bracing and sheeting will not be paid for separately but shall be considered as included in the unit bid prices of the contract, and additional compensation will not be allowed.

PIPE BEDDING

Description. The Contractor shall furnish, place, compact and transport coarse aggregate as detailed hereinafter for pipe bedding to a minimum depth of 4" below the bell of the pipe and 12" above the bell of the pipe.

Construction Methods. The bedding for pipe installation shall be as shown on the Drawings. The aggregate gradations for bedding depending on the pipe material shall be as follows:

1. PVC Pipe: CA 7 or 11, ¾-1" washed gravel,
2. Concrete Pipe: CA 7, 1" washed gravel,
3. Ductile Iron Pipe: CA 7, 1" washed gravel,
4. Cables, Copper Water Services: CA 7, 1" washed gravel,
5. Trench bottom stabilization: CA 7, 1" washed gravel.

Basis of Payment. The cost of pipe bedding will not be paid for separately but shall be considered as included in the unit bid prices of the contract, and additional compensation will not be allowed.

CONCRETE WASHOUT FACILITY

Description. The Contractor shall take sufficient precautions to prevent pollution of streams, lakes, reservoirs, and wetlands with fuels, oils, bitumen, calcium chloride, or other harmful materials according to Article 107.23 of the Standard Specifications.

General. To prevent pollution by residual concrete and/or the by-product of washing out the concrete trucks, concrete washout facilities shall be constructed and maintained on any project which includes cast-in-place concrete items. The concrete washout shall be constructed, maintained, and removed according to this special provision.

The concrete washout facility shall be constructed on the job site in accordance with Illinois Urban Manual practice standard for Temporary Concrete Washout Facility (Code 954). The Contractor may elect to use a prefabricated portable concrete washout structure. The Contractor shall submit a plan for the concrete washout facility, to the Engineer for approval, a minimum of 10 calendar days before the first concrete pour. The working concrete washout facility shall be in place before any delivery of concrete to the site. The Contractor shall ensure that all concrete washout activities are limited to the designated area.

The concrete washout facility shall be located no closer than 50 feet from any environmentally sensitive areas, such as water bodies, wetlands, and/or other areas indicated on the Plans. Adequate signage shall be placed at the washout facility and elsewhere as necessary to clearly indicate the location of the concrete washout facility to the operators of concrete trucks.

The concrete washout facility shall be adequately sized to fully contain the concrete washout needs of the project. The contents of the concrete washout facility shall not

exceed 75% of the facility capacity. Once the 75% capacity is reached, concrete placement shall be discontinued until the facility is cleaned out. Hardened concrete shall be removed and properly disposed of outside the right-of-way. Slurry shall be allowed to evaporate or shall be removed and properly disposed of outside the right-of-way. The Contractor shall immediately replace damaged basin liners or other washout facility components to prevent leakage of concrete waste from the washout facility. Concrete washout facilities shall be inspected by the Contractor after each use. Any and all spills shall be reported to the Engineer and cleaned up immediately. The Contractor shall remove the concrete washout facility when it is no longer needed.

Basis of Payment. This work will not be paid for separately but shall be considered as included in the unit bid prices of the contract, and additional compensation will not be allowed.

NOT FOR BID

PAY ITEM SPECIAL PROVISIONS

This shall be a unit price contract and shall include all work mentioned in the Project's Plans and Specifications and any other work, not specifically mentioned, that is necessary for constructing the improvement in a skilled and professional manner. Any conflicts or omissions in the Plans or Specifications shall be brought to the attention of the Engineer. The Engineer's decision in resolving such matters shall be final. The Contractor shall in no manner take advantage of conflicts or omissions should they occur, and it shall be the Contractor's responsibility to bring such components of the Contract to the attention of the Engineer so that they can be properly resolved.

The quantities bid upon in the Proposal are estimated quantities, except where an item is noted to be supplied "complete." The Contractor shall be paid for actual quantities, in place, as measured and agreed upon by the Engineer and Contractor. The Contractor shall be paid in full for items to be supplied "complete" when said item is finished, or at a percentage of the bid amount agreed upon by the Owner, Engineer and Contractor if the item is not complete.

ITEM #1: FRAMES AND GRATES TO BE ADJUSTED

Description. This work shall be according to Article 603 of the Standard Specifications and the following:

This item shall consist of the adjustment of existing manhole, catch basin, inlet, and valve vault frames on the streets to be resurfacing or at locations shown on the plans or as directed by the Engineer. All proposed and existing structures within the pavement area are to be adjusted to finish grade after the binder or level binder has been placed.

The pavement disturbed by the adjustment will be replaced with concrete base course to the grade of the bituminous concrete base course or level binder. The removal and replacement of this pavement shall be included as part of this item.

Structures, which are located in the curb and gutter, shall not be adjusted to final grade until the curb and gutter has been placed to within five feet (5') of each side of the structure. At this time the Contractor may adjust the structure to the proper elevation to achieve drainage of the curb and gutter.

The adjustment of frames and grates on newly installed structures shall not be paid for separately but shall be considered as part of the respective pay item for the installation of the proposed structures.

The Contractor will be responsible for coordinating with public utility companies to have any of their structures adjusted. **The Contractor will not be paid** for adjusting electrical hand-holes, communication vaults, or Nicor facilities; however, he must ensure the work

is completed in partnership with his own schedule. This oversight and coordination are included in the cost of this item.

Basis of Payment. Payment shall be at the Contract unit price per Each for FRAMES AND GRATES TO BE ADJUSTED.

ITEM #2: FRAMES AND LIDS, TYPE 1

Description. This work shall be according to Article 551 of the Standard Specifications and the following:

This item includes the replacement of frames and lids on existing structures to be adjusted or reconstructed at locations shown on the Plans or as directed by the Engineer. The new frames shall be Neenah Foundry No. R-2504 for Open Lids and R-1713 for Closed Lids or Engineer approved equal. All open lids shall have a Type 11 grate. All closed lids shall be self-sealing with concealed pick holes and shall have the words "SANITARY" or "STORM" or "WATER" and "VILLAGE OF VILLA PARK" is to be cast into the lid.

Existing castings deemed by the Engineer to be in re-usable condition shall remain the property of the Village and shall be delivered by Contractor to Villa Park Public Works Department Yard at 51 South Ardmore Avenue. Prior to delivery, the Contractor and Engineer will determine which items are acceptable. All items deemed unacceptable shall be disposed of by the Contractor. The delivery or disposal of castings will not be paid for separately but shall be included in the cost of these items.

Basis of Payment. Payment for this item shall be at the Contract unit price per Each for FRAME AND LIDS.

ITEM #3: STRUCTURES TO BE REMOVED

Description. This work shall be according to Article 605 of the Standard Specifications and the following:

This item shall consist of the removal of manholes, drainage structures, or valve vaults at locations shown on the plans or as directed by the Engineer. It shall also be the responsibility of the contractor to seal all pipes at both ends that connect to other structures with brick and mortar. The void left by the removal of the structure will be filled with trench backfill and compacted.

Structures being removed where a new structure is to be installed will be paid for separately.

Basis of Payment. Payment shall be at the Contract unit price per Each for STRUCTURES TO BE REMOVED

ITEM #4: CATCH BASINS, 2' DIAMETER, TYPE 11 FRAME AND GRATE

Description. This work shall be according to Article 602 of the Standard Specifications and the following:

A two-foot (2') diameter restricted depth catch basin shall be installed at the locations shown in the plans or as directed by the Engineer and in accordance with the details shown in the plans.

It will be the responsibility of the Contractor to ensure all pipe openings are formed in the correct locations so that additional cutting of the precast structure is not necessary. All elevations on proposed structures shall be field verified by Contractor prior to ordering of any structures. No additional compensation will be granted for the coring of any structures and/or restocking fees.

Frames and lids shall be furnished in accordance with the following (or equivalent) schedule:

- Type 11 Frame and Grate: NEENAH R-3281-A.

If constraints in the field such as frame height become an issue during installation, the Contractor will propose an alternate frame and grate or frame and lid to the Engineer for approval.

Any pipe including the mainline sewer up to four feet (4') in length per each pipe used to connect existing pipes to the proposed structure shall be included in the cost of the proposed structure. The pipe shall have a minimum standard dimension ratio (SDR) of 26 and shall conform to ASTM designation D-2241 (water quality pipe). Connections to existing sewer lines shall be made using non-shear Fernco RC Series or Mission Flex-Seal adjustable repair couplings equipped with stainless steel bands and shall be included in the cost of this item.

All excavation, bedding and trench backfill material necessary to backfill the structure and the length of pipe shall also be included in the cost of the structure.

Basis of Payment. This work will be paid for at the Contract unit price per Each for CATCH BASINS, 2' DIAMETER, TYPE 11 FRAME AND GRATE.

ITEM #5: INLETS, 2' DIAMETER, TYPE A, TYPE 11 FRAME AND GRATE

Description. This work shall be according to Article 602 of the Standard Specifications and the following:

A two-foot (2') diameter inlet shall be installed at the locations shown on the Plans and in accordance with the details shown on the Plans.

It will be the responsibility of the Contractor to ensure all pipe openings are formed in the correct locations so that additional cutting of the precast structure is not necessary. All elevations on proposed structures shall be field verified by Contractor prior to ordering of any structures. No additional compensation will be granted for the coring of any structures and/or restocking fees.

Frames and lids shall be furnished in accordance with the following (or equivalent) schedule:

- Type 11 Frame and Grate: NEENAH R-3281-A.

If constraints in the field such as frame height become an issue during installation, the Contractor will propose an alternate frame and grate or frame and lid to the Engineer for approval.

Any pipe including the mainline sewer, up to four feet (4') in length per each pipe, used to connect existing pipes to the proposed structure shall be included in the cost of the proposed structure. The pipe shall have a minimum standard dimension ratio (SDR) of 26 and shall conform to ASTM designation D-2241 (water quality pipe). Connections to existing sewer lines shall be made using non-shear Fernco RC Series or Mission Flex-Seal adjustable repair couplings equipped with stainless steel bands and shall be included in the cost of this item.

All excavation, bedding and trench backfill material necessary to backfill the structure and the length of pipe shall also be included in the cost of the structure.

Basis of Payment. This work will be paid for at the Contract unit price per Each for INLETS, TYPE A, of the frame and grate specified.

ITEM #6: STORM MANHOLES, TYPE A, 4' DIAMETER, TYPE 1 FRAME, CLOSED LID

Description. This work shall be in accordance with Section 602 of the Standard Specifications and with the details in the plans, except as modified herein.

This work shall consist of constructing storm manholes at the locations and depths shown on the plans or as directed by the Engineer.

This work shall include excavation, hauling and disposal of excavated material, dewatering, sheeting, shoring, bracing, manhole bedding, manhole material and its installation, gaskets, trench backfill, and earth backfill and compaction where permitted.

Materials. Manhole walls, transition slabs, cones, tops and base sections shall meet or exceed the requirements of ASTM C478.

Storm Manholes shall be installed with joint sealant made of butyl rubber material in flexible rope form in accordance with ASTM C-990. Approved products are EZ-Stik premium butyl sealant by Press Seal Corporation or equal.

Refer to General Special Provisions for specification of Frame and Lid.

Basis of Payment. This work will be paid for at the Contract unit price per Each for STORM MANHOLES, TYPE A, 4' DIAMETER, TYPE 1 FRAME, CLOSED LID.

ITEM #7: STORM MANHOLES, TYPE A, 5' DIAMETER, TYPE 1 FRAME, CLOSED LID

The construction and Payment for this item will be the same as STORM MANHOLES, TYPE A, 4' DIAMETER, TYPE 1 FRAME, CLOSED LID EXCEPT for the designated difference in the size of the manhole.

ITEM #8: STORM MANHOLES, TYPE A, 6' DIAMETER, TYPE 1 FRAME, CLOSED LID

The construction and Payment for this item will be the same as STORM MANHOLES, TYPE A, 4' DIAMETER, TYPE 1 FRAME, CLOSED LID EXCEPT for the designated difference in the size of the manhole.

ITEM #9: STORM MANHOLES, DOGHOUSE, TYPE A, 6' DIAMETER, TYPE 1 FRAME, CLOSED LID

The construction and Payment for this item will be the same as STORM MANHOLES, TYPE A, 4' DIAMETER, TYPE 1 FRAME, CLOSED LID EXCEPT for the designated difference in the size of the manhole, and the manhole shall be a "doghouse" manhole as shown on the construction standard details.

ITEM #10: 8" STORM SEWER PIPE, PVC, SDR 26, ASTM 2241

Description. This work shall be according to Article 550 of the Standard Specifications and the following:

In those locations indicated on the Plans, polyvinyl chloride (PVC) sewer pipe of the size indicated shall be installed. This item shall include all the works necessary to install new PVC pipes connecting from new structures along the curb line to the new Storm Manholes. This item may also be used in other locations as indicated on the plans or as directed by the Engineer. The pipe shall have a minimum standard dimension ratio (SDR) of 26 and shall conform to ASTM designation D-2241. The joints shall be rubber gasket and conform to ASTM designations D-3139. Pipe installation shall be in accordance with Section 31 of the "Standard Specifications for Water and Sewer Main Construction". The pipe bedding and backfill to twelve inches (12") above the top of pipe will be included in the cost of this pay item.

The price for this item shall also include plugging any existing abandoned storm laterals with two feet (2') of concrete inside the pipe, at both ends.

All excavation of earth required to access the sewer will be paid for under this item.

Basis of Payment. Payment shall be at the Contract unit price per Foot for 8" STORM SEWER PIPE, PVC, SDR 26, ASTM 2241.

ITEM #11: 12" STORM SEWER PIPE, PVC, SDR 26, ASTM 2241

The construction and Payment for this item will be the same as 8" STORM SEWER PIPE, PVC, SDR 26, ASTM 2241 EXCEPT for the designated difference in the size of the pipe and the depths of installation.

ITEM #12: 15" STORM SEWER PIPE, PVC, SDR 26, ASTM 2241

The construction and Payment for this item will be the same as 8" STORM SEWER PIPE, PVC, SDR 26, ASTM 2241 EXCEPT for the designated difference in the size of the pipe and the depths of installation.

ITEM #13: 18" STORM SEWER PIPE, PVC, SDR 26, ASTM 2241

The construction and Payment for this item will be the same as 8" STORM SEWER PIPE, PVC, SDR 26, ASTM 2241 EXCEPT for the designated difference in the size of the pipe and the depths of installation.

ITEM #14: 21" STORM SEWER PIPE, PVC, SDR 26, ASTM 2241

The construction and Payment for this item will be the same as 8" STORM SEWER PIPE, PVC, SDR 26, ASTM 2241 EXCEPT for the designated difference in the size of the pipe and the depths of installation.

ITEM #15: 12" STORM SEWERS, DUCTILE IRON, CL52, AWWA C151

Description. This work shall be according to Article 550 of the Standard Specifications, Section 31 of the "Standard Specifications for Water and Sewer Main Construction, and the following:

Ductile-iron pipe shall conform to ANSI A 21.51 (AWWA C151), class or thickness designed per ANSI A 21.50 (AWWA C150), tar (seal) coated and/or cement lined per ANSI A 21.4 (AWWA C104), with a mechanical or rubber ring (slip seal or push on) joints. Joints for ductile iron pipe shall be in accordance with the following applicable specifications: Mechanical Joints - AWWA C111, Push-On Joints - AWWA C111.

The pipe bedding and backfill up to twelve inches (12") above the top of pipe will be included in the cost of this item.

The price for this item shall also include plugging any existing abandoned storm laterals with two feet (2') of concrete inside the pipe, at both ends.

All excavation of earth required to access the sewer will be included in the cost of this item.

The proposed sewer pipe may need to be connected to the existing drainage structure. This will be included in the cost of this item.

Basis of Payment. This work will be paid for at the contract unit price per foot for 12" STORM SEWERS, DUCTILE IRON, CL52, AWWA C151.

ITEM #16: 24" STORM SEWERS, RCP, CL IV, ASTM C76

Description. This work shall be in accordance with Section 550 of the Standard Specifications and with the details in the plans, except as modified herein.

This work shall consist of constructing storm sewers at the locations and depths shown on the plans or as directed by the Engineer.

This work shall include trench excavation, hauling and disposal of excavated material, dewatering, sheeting, shoring, bracing, pipe bedding, pipe material and its installation,

pipe gaskets, connections to structures, and earth backfill and compaction where permitted.

Materials. Storm sewer pipe shall be round reinforced concrete pipe conforming with ASTM C76/AASHTO M170 and shall be of adequate strength to support the trench loads applied.

Storm sewer pipe shall be furnished and installed with rubber gaskets conforming with ASTM C443/AASHTO M198. Storm sewer pipe shall be specifically constructed to fit the rubber gaskets which are used.

Basis of Payment. This work will be paid for at the Contract unit price per Foot for 24" STORM SEWERS, RCP, CL IV, ASTM C76.

ITEM #17: 27" STORM SEWERS, RCP, CL IV, ASTM C76

The construction and Payment for this item will be the same as 24" STORM SEWERS, RCP, CL IV, ASTM C76 EXCEPT for the designated difference in the size of the pipe and the depths of installation.

ITEM #18: 14" X 23" STORM SEWERS, RCP ELLIPTICAL, CL IV, ASTM 507

Description. This work shall be in accordance with Section 542 of the Standard Specifications and the following:

Under this item, the CONTRACTOR shall furnish and install reinforced concrete elliptical pipeline (horizontal configuration unless otherwise specified), with rubber gaskets.

Materials. All reinforced concrete elliptical pipelines shall be in accordance with ASTM C507 and AASHTO M 207 and shall be of adequate strength to support the trench loads applied, minimum Class IV. The RCP pipe shall be installed to the depth as shown on the drawings, at the locations and to the details shown in the Contract Documents.

The pipeline shall be furnished and installed with rubber gaskets that meet the requirements of ASTM C443 and AASHTO M198. All piping shall be specifically constructed to fit the rubber gasket to be used.

Basis of Payment. This work will be paid for at the Contract unit price per Foot for 14" X 23" STORM SEWERS, RCP ELLIPTICAL, CL IV, ASTM 507, which price shall be full compensation for all work and materials required.

ITEM #19: 19" X 30" STORM SEWERS, RCP ELLIPTICAL, CL IV, ASTM 507

The construction and Payment for this item will be the same as 14" X 23" STORM SEWERS, RCP ELLIPTICAL, CL IV, ASTM 507 EXCEPT for the designated difference in the size of the pipe and the depths of installation.

ITEM #20: 19" X 30" MANHOLE CONNECTION TO EXISTING STORM

Description. This work shall consist of saw-cutting into existing concrete structures to accommodate the installation of proposed sewers at locations as indicated on the plans or as directed by the ENGINEER. The connection shall be done with brick and mortar.

The connection of the proposed 19" X 30" elliptical storm sewer to the existing storm shall be completed at manhole No. 51-657.

Basis of Payment. This work will be paid for at the Contract unit price per Each for 19"X30" MANHOLE CONNECTION TO EXISTING STORM.

ITEM #21: 24" MANHOLE CONNECTION TO EXISTING STORM

Description. This work shall consist of saw-cutting into existing concrete structures to accommodate the installation of proposed sewers at locations as indicated on the plans or as directed by the ENGINEER. The connection shall be done with brick and mortar.

The connection of the proposed 24" RCP storm sewer to the existing storm shall be completed at manhole No. 51-545.

Basis of Payment. This work will be paid for at the Contract unit price per Each for 24" MANHOLE CONNECTION TO EXISTING STORM.

ITEM #22: 27" MANHOLE CONNECTION TO EXISTING STORM

Description. This work shall consist of saw-cutting into existing concrete structures to accommodate the installation of proposed sewers at locations as indicated on the plans or as directed by the ENGINEER. The connection shall be done with brick and mortar.

The connection of the proposed 27" RCP storm sewer to the existing storm shall be completed at manhole No. 51-622.

Basis of Payment. This work will be paid for at the Contract unit price per Each for 27" MANHOLE CONNECTION TO EXISTING STORM.

ITEM #23: 14" X 23" MANHOLE CONNECTION TO EXISTING STORM

Description. This work shall consist of saw-cutting into existing concrete structures to accommodate the installation of proposed sewers at locations as indicated on the plans or as directed by the ENGINEER. The connection shall be done with brick and mortar.

The connection of the proposed 14" X 23" elliptical storm sewer to the existing storm shall be completed at manhole No. 51-619.

Basis of Payment. This work will be paid for at the Contract unit price per Each for 14" X 23" MANHOLE CONNECTION TO EXISTING STORM.

ITEM #24: TRENCH BACKFILL

Description. This work shall be according to Article 208 of the Standard Specifications and the following:

The material used for trench backfill shall be CA-6. The trench backfill shall be compacted only by Method 1 as defined in Article 550.07 of the Standard Specifications. Recycled materials or crushed concrete will not be permitted.

The standard test to define maximum densities of all compaction work shall be ASTM D-1557. All densities shall be expressed as a percentage of the maximum density obtained in the laboratory by the ASTM D-1557 standard procedure. Each layer shall be compacted by mechanical means to 95 percent of the maximum dry density.

Construction Requirements. The bedding, haunching and backfilling for pipe installation shall be as shown on the Drawings and as specified in Section 20 of the Water and Sewer Specifications except as modified in these Special Provisions. Bedding and haunching material will not be measured for payment but will be considered included in the cost of the associated pipe. Where flexible or ductile iron pipe is used, the selected granular material required for initial backfill, from the spring-line of the pipe to 12 inches above the pipe, will not be eligible for payment but shall be considered included in the cost of the pipe.

For bedding and haunching requirements, refer to the pipe bedding details shown in the plans and associated specifications found in these Special Provisions.

Trench backfill shall be installed at locations shown in the Drawings to the proposed subgrade elevation. The select granular backfill material shall be placed and compacted in 12-inch maximum layers of the specified materials as shown on the Drawings and installed from one foot above the top of the pipe to proposed sub-grade of the pavement or proposed bottom of topsoil where applicable.

Basis of Payment. Payment for this item shall be at the Contract unit price per Cubic Yard for TRENCH BACKFILL.

ITEM #25: FLOWABLE FILL

Description. This work shall be according to Article 593. CONTROLLED LOW-STRENGTH MATERIAL, BACKFILL of the Standard Specifications.

Flowable fill refers to a cementitious slurry consisting of a mixture of fine aggregate or filler, water, and cementitious material(s), which is used as a fill or backfill in lieu of compacted earth. This mixture is capable of filling all voids in irregular excavations and hard to reach places (such as casings), is self-leveling, and hardens in a matter of a few hours without the need for compaction in layers. Flowable fill is sometimes referred to as controlled density fill (CDF), controlled low strength material (CLSM), lean concrete slurry, and unshrinkable fill

Construction Requirements. Flowable fill shall be used as an alternative of compacted granular fill for filling inaccessible areas where compacted fill cannot be placed properly.

Basis of Payment. Payment for this item shall be at the Contract unit price per Cubic Yard for FLOWABLE FILL.

ITEM #26: 10" CMP DRIVEWAY CULVERTS, 16 GAUGE

Description. This work shall be according to Section 542 of the Standard Specifications and AASHTO M036 - Standard Specification for Corrugated Steel Pipe, Metallic-Coated, for Sewers and Drains

The work shall consist of installing new 10" corrugated metal pipe, 16 Gauge with Flared End Section (FES) at driveways on **Maple Street between Illinois Avenue and Summit Avenue**. The pipe shall be constructed per Section 542.04 (Method 1 Construction) of the Standard Specification for Road and Bridge Construction.

The pipe shall have a minimum cover of 12" from the finished grade of the driveway and bedding of 4" will be included in the cost of this pay item.

Basis of Payment. This work will be paid for at the Contract unit price per Foot for 10" CMP DRIVEWAY CULVERT, 16 GAUGE which price shall be full compensation for all work and materials required.

ITEM #27: 12" STORM TO BE REMOVED & SALVAGED

Description. This work shall be according to Section 551.03 of the Standard Specifications for Water and Sewer Main Construction.

Existing storm sewers shall be removed so that all pipe considered suitable by the Engineer for future use shall be salvaged. The location and manner of storage of salvaged material shall be as directed by the Engineer.

This work is only considered for Division St. as indicated on the Plans.

Basis of Payment. This work will be paid for at the Contract unit price per Foot for 12" STORM TO BR REMOVED & SALVAGED.

ITEM #28: ADJUSTING WATERMAIN, 6"

Description. This work shall be performed in accordance with Section 561 of the Standard Specifications, the "Standard Specifications for Water and Sewer Main Construction in Illinois," latest edition and applicable ordinances of the Village of Carpentersville, with the following modifications:

This work will only be paid for if the water main is in direct conflict with the proposed utility and approve by the Engineer. This work shall include all materials and labor required to replace watermain.

Materials. Pipe shall be Ductile Iron conforming to AWWA C153 Class 52 standard thickness. Fittings shall be ductile iron in accordance with AWWA C110 or C153. Stainless steel bolts only.

Retainer glands shall be Megalug Series 1100 or equal in strength and retaining ability. Couplings for connecting new water main to existing water main shall be Ford FC2W or Cascade CRCER with alloy bolts and fusion bonded epoxy coating or approved equal.

Basis of Payment. This work will be paid at the Contract unit price per Foot for ADJUSTING WATERMAIN, 6".

ITEM #29: ADJUSTING WATERMAIN, 8"

The construction and Payment for this item will be the same as **ADJUSTING WATERMAIN, 6"** except for the designated difference in the size of the pipe and the depths of installation

ITEM #30: ADJUSTING WATERMAIN, 10”

The construction and Payment for this item will be the same as **ADJUSTING WATERMAIN, 6”** except for the designated difference in the size of the pipe and the depths of installation

ITEM #31: ADJUSTING WATERMAIN, 12”

The construction and Payment for this item will be the same as **ADJUSTING WATERMAIN, 6”** except for the designated difference in the size of the pipe and the depths of installation

ITEM #32: ADJUSTING WATER SERVICES LINES (COPPER SERVICE)

Description. This work shall consist of adjusting existing copper water service lines which are determined by the Engineer to be in direct conflict with utilities being constructed under this contract. This work shall be in accordance with Section 563 of the Standard Specifications and with the Standard Specifications for Water and Sewer Construction in Illinois, except as modified herein.

Materials. Water service line pipe shall be Type “K” seamless copper water tubing conforming to ASTM B88. Water service line pipe shall be of the same diameter as the existing water service line to be adjusted.

Water service line couplings shall be Mueller H-15400 straight three-part unions with copper flare nuts on both ends, conforming to ANSI/AWWA C800, of the size needed. Components in contact with potable water shall comply with the latest requirements of the Federal Safe Drinking Water Act.

Construction. Where adjustment of the water service line above the utility in conflict will result in the water service line being less than 5.5 ft. below finished grade, the water service line shall be adjusted below the utility in conflict. If the water service line is to be adjusted below the utility in conflict, adjustment of the water service line shall be completed before the utility in conflict is constructed across the water service. If the water service line is to be adjusted above the utility in conflict, adjustment of the water service line may be completed either before or after the utility in conflict is constructed across the water service line.

The existing water service line shall be cut by an approved method. If adjustment of the water service line is not to be completed immediately, both ends of the water service line shall be crimped and bagged until adjustment is to be completed. The crimped ends shall be cut again by an approved method immediately before adjustment is to be completed.

The water service line shall be adjusted so that a minimum of 1 ft. of clearance exists in all directions between the water service line and all other utilities. A single piece of copper water tubing of sufficient length to provide the minimum clearances shall be utilized. The ends of the existing water service line shall be joined to the new copper water tubing with water service line couplings of the proper size.

The adjusted water service line shall be placed on a bedding of crushed aggregate of CA-7 or CA-11 gradation having a minimum thickness of 4 in. The bedding shall be placed to a minimum of 12 in. above the adjusted water service line.

Excavation, bedding, and backfilling needed to adjust water service lines will not be paid for separately but shall be included in the cost of this work.

Method of Measurement. This work will be measured for payment as each water service line adjusted, regardless of the length of the water service line adjusted, the depth of the water service line adjusted, the diameter of the water service line adjusted, or any other factors. No separate measurement will be made of pipe, fittings, couplings, stops, valves, or other components.

Basis of Payment. This work will only be paid for if the Engineer determines the water service line is in direct conflict with a utility or utilities being constructed under this contract. If the Engineer determines the water service line is in direct conflict with a utility or utilities being constructed under this contract, then this work will be paid for at the contract unit price per each for ADJUSTING WATER SERVICE LINES. If Contractor elects to adjust a water service line that the Engineer has not determined to be in direct conflict, that work will not be paid for but shall be at the Contractor's expense.

ITEM #33: WATER SERVICE REPLACEMENT

Description. This work shall be performed in accordance with Section 563 of the Standard Specifications, the "Standard Specifications for Water and Sewer Main Construction in Illinois," latest edition and applicable ordinances of the Village of Villa Park, with the following modifications:

Under this item the Contractor shall furnish all labor, materials and appurtenances necessary to install new water services in direct conflict with the proposed sewer. This work shall include the complete installation of 1" copper pipe from existing water main to the existing water service box. This work must be approved by the Engineer before commencing. All material shall be manufactured in the United States.

A corporation tap shall be made into the water main and 1" copper water service pipe, Type K, shall be installed from the tap to a new curb stop (round way complete with box) to be located as shown on the Plans. The proposed water service will connect with the existing water service box.

Corporation stop and tapping sleeve shall be installed as needed in accordance with the standard details. Corporation stops shall be Mueller 300 Ball Corporation Valve Model B-25000 with AWWA taper (Mueller "CC") thread inlet and copper flare straight connection outlet.

Copper water service pipe shall be Type "K" or greater copper tube, soft temper, for underground service, conforming to ASTM B-88 and B251. The pipe shall be marked with the manufacturer's name or trademark and a mark indicative of the type of pipe.

Water service line couplings shall be Mueller copper flare connection type conforming with ANSI/AWWA C800.

Copper water service pipe shall be installed a minimum of 5'-6" deep and shall connect between the existing water service and new curb box and curb stop as needed.

Corporation stop and tapping sleeve shall be installed as needed in accordance with the standard details.

The adjustment of the water service and/or the installation of the new corporation stop and tapping sleeve shall be determined by the Village or Resident Engineer.

This price shall include all costs for furnishing the labor, equipment, and materials necessary to make the tap into the existing water main, furnish and install the curb stop and box, copper pipe (Type K), and connecting fittings, make the connections at the tap, curb stop, and existing water service, install and compact the trench backfill, and to perform any other work necessary to complete the installation of the new water service in accordance with the Specifications

Basis of Payment. This work will be paid for at the Contract unit price per Each for WATER SERVICE REPLACEMENT which price shall include all curb stop, curb box, water service pipe as needed, and all other incidental items required complete the installation.

ITEM #34: VALVE VAULTS, DOGHOUSE, TYPE A, 4' DIAMETER, TYPE 1 FRAME, CLOSED LID

The construction and Payment for this item will be the same as VALVE VAULTS, TYPE A, 4' DIAMETER, TYPE 1 FRAME, CLOSED LID EXCEPT the manhole shall be a "doghouse" manhole as shown on the construction standard details.

ITEM #35: FIRE HYDRANTS TO BE REMOVED

Description. This work shall consist of removing fire hydrants in locations where new fire hydrants are not to be installed. This work shall be in accordance with Section 564 of the Standard Specifications and with the Standard Specifications for Water and Sewer Construction in Illinois, except as modified herein.

Where an existing fire hydrant is to be removed and replaced with a new fire hydrant in substantially the same location, removal of the existing fire hydrant will not be paid for separately but shall be included in the cost of the fire hydrant installation.

Materials. Water main pipe shall be ductile iron pipe conforming to ANSI/AWWA C151/A21.51, Class 52 standard thickness.

Water main couplings shall be Krausz Hymax Grip coupling restraints of the diameter required or approved equal.

All bolts, nuts, washers, and other hardware to be installed below grade shall be Type 304 stainless steel.

Construction. The existing fire hydrant, auxiliary valve, valve box, hydrant lead, tee, and a portion of the adjoining water main shall be excavated and exposed. The existing water main shall be cut on both sides of the tee by an approved method and a section of existing water main shall be removed along with the tee, hydrant lead, valve box, auxiliary valve and fire hydrant. A section of new water main pipe of the proper length shall be positioned in place between the two cut ends of the existing water main and the ends of the existing water main shall be joined to the new section of water main pipe with water main couplings of the proper size.

The excavation shall be backfilled with crushed aggregate of CA-6 gradation and mechanically compacted in lifts not exceeding 12 inches.

Excavation and backfilling will not be paid for separately but shall be included in the cost of this work.

Fire hydrants which are removed and are selected by the Engineer to be salvaged shall remain the property of the Village and shall be delivered by the Contractor to the Village of Villa Park Public Works Department yard located at 51 South Ardmore Avenue in Villa Park. Delivery shall be made during the normal working hours of the Village of Villa Park Public Works Department and the Contractor shall coordinate the day, time and other details of delivery with the Village. Fire hydrants which are not selected by the Engineer to be salvaged shall become the property of the Contractor and shall be removed from the site by the end of the workday and properly disposed of by the Contractor. The delivery or disposal of fire hydrants will not be paid for separately but shall be included in the cost of this work.

Basis of Payment. This work will be paid for at the contract unit price per each for FIRE HYDRANTS TO BE REMOVED.

ITEM #36: FIRE HYDRANT WITH AUXILIARY VALVE AND VALVE BOX

Description. This work shall consist of constructing fire hydrants with auxiliary valves and valve boxes. This work shall be in accordance with Section 564 of the Standard Specifications and with the Standard Specifications for Water and Sewer Construction in Illinois, except as modified herein.

Materials. Fire hydrants shall be AMERICAN Flow Control 5- $\frac{1}{4}$ " Waterous Pacer Fire Hydrant Model WB67-250, conforming to ANSI/AWWA C502, 6' – 0" bury depth, with all stainless-steel trim, above-ground breakable flanges, and auxiliary resilient wedge gate valve and valve box. Fire hydrants shall be fitted with DDP-arrangement nozzle sections with one 4- $\frac{1}{2}$ inches pumper nozzle and two 2- $\frac{1}{2}$ inches hose nozzles with National Standard threads and a National Standard operating nut.

Fire hydrants shall be factory painted red, prime coated with an epoxy, and finish coated with a two-part polyurethane topcoat. Fire hydrants that are not factory painted red will be considered unacceptable and will be rejected.

Fire hydrants which are to be constructed on existing water mains where a 6' – 0" bury depth is incompatible with the depth of the existing water main shall be substituted with a fire hydrant of a different bury depth as approved by the Engineer.

Auxiliary valves shall be AMERICAN Flow Control Series 2500 Ductile Iron Resilient Wedge Gate Valves conforming to ANSI/AWWA C515, with mechanical joint end connections, 6 inches diameter. All exterior valve body bolting shall be Type 304 stainless steel.

Valve boxes shall have a cover embossed with the word "WATER".

Hydrant lead pipe shall be ductile iron pipe conforming to ANSI/AWWA C151/A21.51, Class 52 standard thickness, with push-on joints conforming to AWWA C111, 6 inches diameter.

Mechanical joint restraints shall be EBAA Iron, Inc., MEGALUG Mechanical Joint Restraints for Ductile Iron Pipe, or approved equal.

Valve box stabilizer grips shall be by BLR Enterprises, Inc., or approved equal.

All hardware and fasteners to be installed below grade shall be stainless steel. Bolts and threaded rods shall be Type 304 stainless steel and nuts and washers shall be Type 300 stainless steel.

Fire hydrant barrel extensions, if permitted, shall be AMERICAN Flow Control Waterous Series and shall be a maximum of 18 inches.

Construction. Where an existing fire hydrant is to be removed and replaced with a new fire hydrant with auxiliary valve and valve box in substantially the same location, the existing fire hydrant, auxiliary valve, valve box, hydrant lead pipe, and tee shall be excavated and exposed. The existing hydrant lead pipe shall be disconnected from the existing tee and the existing fire hydrant, auxiliary valve, valve box, and hydrant lead pipe shall be removed. Removal of the existing fire hydrant and related components will not be paid for separately but shall be included in the cost of this work.

If the Engineer determines the existing hydrant tee and adjoining connections are in satisfactory condition, then the existing tee shall be reused, except that all the hardware on the existing tee shall be replaced. If the Engineer determines the existing hydrant tee is in unsatisfactory condition, then the existing tee shall be removed and replaced, and this work will be performed, measured and paid for as CONNECTION TO EXISTING WATER MAIN.

The fire hydrant shall be installed so that the standpipe is plumb. The center of the lowest nozzle shall be placed at least 18 in. but not more than 24 in. above finished grade. The breakable flanges shall be positioned 2 in. above finished grade. The nearest part of the hydrant shall be at least 3 ft. but not more than 8 ft. behind the back of curb. The nearest part of the hydrant shall be at least 3 feet from all paved surfaces. Where hydrants are to be installed adjacent to a roadway, they shall be placed so that the pumper nozzle faces the roadway and is perpendicular to the direction of travel of the roadway. Where hydrants are not to be installed adjacent to a roadway they shall be placed according to the plans or as directed by the Engineer.

Fire hydrants and auxiliary valves shall be set on a firm foundation of precast concrete blocks and shall be thrust blocked. Additional precast concrete bricks shall be placed under the auxiliary valve as needed. Thrust blocking shall consist of Class SI concrete cast in place against the fittings and the undisturbed earth on any side or sides of the excavation where thrust is expected to occur. A minimum of one quarter of a cubic yard of concrete shall be used for the thrust blocking. The dimensions of the thrust blocking shall be determined by the Engineer. Thrust blocking may also consist of the placement of precast concrete blocks at the discretion of the Engineer. Additional precast concrete blocks shall be placed on the bottom, back and sides of the hydrant as directed by the Engineer to hold the hydrant solid and vertical. All blocks, bricks and thrust blocking shall be placed such that the pipe, joints and fittings shall be accessible for future repair and so that the hydrant drain holes are not blocked.

Mechanical joint restraints shall be installed on all mechanical fittings. Stainless steel threaded tie rods shall be installed between the fire hydrant barrel and the tee fitting on the water main. Valve box stabilizer grips shall be installed. Barrel extensions will only be permitted at the discretion of the Engineer.

Fire hydrants shall be braced during backfilling. The area around the base of the hydrant shall be backfilled with a minimum of one cubic yard of washed stone. The washed stone shall be covered with polyethylene sheeting prior to further backfilling. Backfill material shall be placed in lifts not exceeding 6 inches in thickness, loose measurement, and compacted in a manner approved by the Engineer.

Fire hydrants not in service shall be covered with plastic bags until the fire hydrants are in service.

Excavation, bedding, and backfilling of fire hydrants will not be paid for separately but shall be included in the cost of this work.

Method of Measurement. This work will be measured for payment as each fire hydrant with auxiliary valve and valve box installed. No separate measurement will be made of pipe, fittings, hardware, or any other components.

Basis of Payment. This work will be paid for at the contract unit price per each for FIRE HYDRANT WITH AUXILIARY VALVE AND VALVE BOX.

ITEM #37: SANITARY MANHOLES, TYPE A, 4' DIAMETER, TYPE 1 FRAME, CLOSED LID

Description. This work shall be in accordance with Section 602 of the Standard Specifications and with the details in the plans, except as modified herein.

This work shall include furnishing and installing precast manhole structures as shown on the Plans.

Materials. Materials to be new and provided in unopened containers where applicable.

The base shall be 6-inch nominal thickness and integral with the structure. Provide channels in invert to direct flows from incoming to outgoing pipe.

Flexible synthetic rubber boots meeting ASTM C-923 shall be installed on all pipe connections. Cast-in or pressed-on type boots are permitted. Cast-in type boot shall be installed in initial pouring of manhole section.

Walls shall be precast sections conforming to ASTM C478. Sections and component parts to be marked by manufacturer with trade name and/or trademark and ASTM designation. Wall thickness shall be 5" minimum. Holes shall be smooth, radial to centerline of manhole, and perpendicular to manhole wall.

Manhole opening shall be eccentric on cone.

All pre-cast manhole sections (wall and cone) are to be supplied with pre-applied coating of ConSeal CS-55 Water Based product or approved equal.

Joint sealant should be made of butyl rubber material in flexible rope form in accordance with ASTM C-990. Approved products are EZ-Stik premium butyl sealant by Press Seal Corporation or equal.

External chimney seals are to be installed on all new manholes. Acceptable external chimney seals include Infi-Shield or an approved equal.

All external joint sealing bands shall conform to ASTM C-877. Approved products are Type II MacWrap or approved equal. External joint seals shall consist of a collar 9 inches wide with an outer layer of polyethylene, with a minimum tensile strength of 4000 psi and a minimum tear resistance of 1500 psi, and an under layer of rubberized mastic that is reinforced with the collar 3/4 inches from the edge. The straps shall be confined in tubes that isolate them from the mastic and allow them to slip freely when mechanically tightened and locked around the manhole. The collar shall be furnished with a minimum 6 inches overlap and a closing flap to cover any remaining exposed strap.

Refer to General Special Provisions for specification of Frame and Lid.

Construction.

Place O-ring gasket or double row of extrudable pre-form plastic gasket between manhole sections. Place external Sealing Bands as shown on the detail at each joint between manhole sections in accordance with the manufacturer's instructions. Grout all lift holes from the inside and outside with a non-shrink grout, prior to backfilling.

Place appropriate top section, cone (depth > 6 feet). Place two adjusting rings maximum on manhole top.

Install manhole frame and cover and External Manhole Chimney Seal as shown on the detail, with extensions where needed to cover the entire chimney area, in accordance with the manufacturer's instructions. Provide digital photo of Manhole showing external chimney seal installed such that the manhole and its location are identified. For bolted cover provide bolts and ensure that the frame is securely fastened to the manhole.

Pour manhole invert. Provide poured-in-place channels (if manholes not furnished with precast inverts) to direct flows from in-coming pipes to outgoing pipes. Channels shall smoothly blend flows. Make channel horseshoe shaped. Width and depth equal to size of outlet sewer. To maintain flexibility of pipe connection boot, plug annular space between pipe and boot which falls in area where invert to be poured with extrudable preformed plastic gasket material. Plug shall prevent concrete from entering space between pipe and boot. Invert channels may be placed any time after manhole base section (and connecting pipe) is backfilled.

Testing. New manholes shall be tested for water tightness in accordance with ASTM C969-94 – "Standard Practice for Infiltration and Exfiltration Acceptance Testing of Installed Pre-cast Concrete Pipe Sewer Lines", Vol. 04.05, Chemical Resistant Materials, Vitrified Clay, Concrete, Fiber-Cement Products; Mortars; Masonry (1996) (no later editions or amendments) or ASTM C1244-93 "Standard Test Method for Concrete Sewer Manholes by the Negative Pressure (Vacuum) Test", Vol. 04.05, Chemical Resistant Materials, Vitrified Clay, Concrete, Fiber-Cement Products; Mortars; Masonry (1996) (no later editions or amendments) prior to placing into service. See #27. VACUUM TESTING specification.

Installation may be rejected because of: 1. Use of individual components subject to rejection; 2. Failure to conform to installation requirements; 3. Visible infiltration; 4. Variation from true vertical alignment by more than 2% of depth; 5. Variations in pipe and rim elevations greater than 0.5 inches from elevations shown on plans; 6. Test failure.

Any pipe including the mainline sewer up to four feet (4') in length per each pipe used to connect existing pipes to the proposed structure shall be included in the cost of the proposed structure. The pipe shall have a minimum standard dimension ratio (SDR) of 26 and shall conform to ASTM designation D-2241 (PVC pressure pipe). Connections to existing sewer lines shall be made using non-shear Fernco RC Series or Mission Flex-Seal adjustable repair couplings equipped with stainless steel bands and shall be included in the cost of this item.

Basis of Payment. This work will be paid for at the Contract unit price per Each for SANITARY MANHOLES, TYPE A, 4' DIAMETER, TYPE 1 FRAME, CLOSED LID.

ITEM #38: 8" SANITARY SEWERS, PVC, SDR 26, ASTM 2241

Description. This work shall be according to the Standard Specifications for Sewer and Water Main Construction in Illinois Latest Edition and the following:

Materials. PVC Sewer Pipe and Fittings: Pipe: 6 to 18-inch diameter: ASTM D 2241, SDR 26 to 12 feet deep; SDR 21 greater than 12 feet deep. Greater than 18-inch diameter ASTM F-679. Fittings such as saddles, elbows, tees, and wyes shall be factory produced and have joint design compatible with adjacent pipe. Provide approved adapters for transitions to other types of pipe materials.

Pipe Joints: Rubber Gasket ASTM F477. Bell and spigot joint conforming to ASTM D3139, sealed by rubber gasket so assembly remains watertight under conditions of service including movements resulting from expansion, contraction, settlement, and deformation of pipe. Field applied heat fusion or solvent welded joints between pipe sections, pipe and fittings or fitting components will not be permitted. Assembled joint shall pass performance tests as required in ASTM D3139.

Pipe Markings: Manufacturer's name or trademark; Nominal pipe size; PVC cell classification; ASTM D 2241 SDR 26; Extrusion date, period of manufacture or lot number.

Pipe shall be subject to rejection for fractures or cracks passing through pipe wall or socket; cracks sufficient to impair strength, durability of serviceability of pipe; variations of more than 1/8 inch/lineal foot in alignment in pipe intended to be straight; damaged ends.

Flexible connectors: shall be non-shear mission couplings or approved equal for joining pipes of dissimilar material and/or size.

Bedding. Bedding shall be per standard details – CA-11 or CA-13 minimum of 4" below the pipe and 12" above the pipe.

Backfill. Backfill requirements shall be per TRENCH BACKFILL.

Execution. Pipe Installation:

- Install pipe and gaskets in accordance with manufacturer's recommendations. Install PVC pipe in accordance with ASTM D2321.
- Trenching shall be provided – including sheeting, shoring, and bracing as necessary to be compatible with Contractor's specific construction procedures.
- Dewatering shall be required so that excavations are kept free from water. Lay pipe only after trench is dewatered.
- Primary line and grade shall be provided by the Contractor. Contractor shall arrange work operations to avoid interference with establishment of primary lines and grades. Contractor shall bear sole responsibility for correct transfer of construction lines and grades and for correct alignment and grade of completed work, based upon lines and grades shown on drawings.
- Begin laying pipe from lowest point in proposed sewer line where possible. Lay pipe with bell end of bell and spigot pipe pointing upgrade. Lay pipe uniformly to line and grade so finished sewer will present uniform bore. Continuously monitor line and grade of pipe, and in event they do not meet specified limits described hereinafter, stop work immediately, notify Engineer, and remedy cause before proceeding with work.
- Retain pipe in position to maintain alignment and joint closure until backfill completed to hold pipe in place. Lay pipe to conform to prescribed line and grade shown on drawings with limits as follows: Variance from established line and grade shall not be greater than 1/32 inch per inch of pipe diameter and not to exceed

maximum 2 inch, provided any such variation does not result in level or reverse sloping invert; provided also, variation in invert elevation between adjoining ends of pipe, due to non-concentricity of joining surface and pipe interior surfaces, does not exceed 1/64 inch per inch of pipe diameter, or 2 inch maximum.

Rubber Gasket Joints:

- Immediately before making joint, lubricate outside of gasket and inside of bell or groove of last pipe with approved vegetable lubricant. Take care that gasket and pipe ends are clean and free of sand, gravel, dirt or other foreign materials. Introduce spigot of pipe being laid with gasket in place, into bell of previously laid pipe.
- Set pipe to line and grade, and then jack or push completely home. During insertion of the spigot, pipe shall be partially supported by hand or crane to minimize unequal lateral pressure on the gasket and maintain concentricity until gasket is properly positioned. Employ whatever procedures necessary to seat spigots fully into bells without damaging or placing excessive stress on pipes.
- Connection of sanitary services shall include the filling of any voids which may be found to exist around the lateral. The void space shall be filled with hydraulic cement or other approved material for a minimum distance of three feet.
- Backfill in accordance with standard details and specifications.
- When the sewer has been backfilled, temporary aggregate is to be placed in the trench across driveways until sidewalk can be installed
- During surface restoration temporary aggregate is to be removed and replaced with sidewalk per these specifications

Sewer Testing. CONTRACTOR shall pull a "95%" mandrel through PVC pipes after pipes have been backfilled for 30 days to demonstrate roundness.

The CONTRACTOR shall perform a closed-circuit television inspection of the new sewer system, excepting sewer services. Televising shall show that the sewer system has been constructed in accordance with the approved plans and specifications, that the sewer is free and clear of all accumulations of foreign substance and debris so as to prevent clogging, and that there are no structural defects.

Prior to televising the sewer, the Contractor shall at his own expense, clean the sewer line with a jetter or other equipment approved by the Engineer.

Upon completion of such inspection, and upon receipt of a written report of such inspection, together with a DVD or external hard drive of the actual inspection, and, if

satisfied that such sewer is free and clear of all foreign substance, and free of all structural defects, the Engineer shall give approval of the sanitary sewer. All inspection reports and video recordings shall remain the property of the City.

Failure criteria for sewer testing.

- Visible infiltration at any joint which, in Engineer's opinion, exceeds one gallon per minute.
- Joints not "fully home" in accordance with pipe manufacturer's recommendations.
- Out-of-roundness in PVC pipes which, in Engineer's opinion, exceeds 5% of the pipe diameter.
- Cracks or spall in pipe
- Displaced gaskets.

Correction of defects.

- Repair sections failing tests or quality requirements by removal and replacement of affected sections, internal or external grouting of failed joints or other defects not permitted.
- Correct sewers failing deflection tests by re-excavating to sewer at point of failure and 10 feet on either side, allowing sewer to return to original round cross-section, and re-backfilling according to specifications. Re-test deflection limits as described herein. Sewers failing to return to original round cross-section or failing second deflection test shall be removed and replaced at no additional cost to Owner. Use of devices generating internal pressures or vibrations to correct sewers failing deflection testing is expressly prohibited.

Basis of Payment. This work will be paid for at the Contract unit price per foot for 8" PVC SANITARY SEWERS, PVC, SDR 26, ASTM 2241 of the diameter specified.

ITEM #39: 12" SANITARY SEWERS, PVC, SDR 26, ASTM 2241

The construction and Payment for this item will be the same as **8" SANITARY SEWERS, PVC, SDR 26, ASTM 2241** except for the designated difference in the size of the pipe and the depths of installation

ITEM #40: SANITARY SERVICE CONNECTION

Description. This work shall be according to the Standard Specifications for Sewer and Water Main Construction in Illinois Latest Edition and the following:

Sewer Lateral shall be PVC 6" diameter, SDR 26 and conforming with ASTM D 2241. Connections to new sewer pipe are to be made with "tee/wye" fittings on the sanitary sewer. No tap-in connections will be permitted. Connection to existing sanitary lateral shall be made with non-shear Fernco or mission couplings. Contractor is only to re-connect live laterals.

Execution. Contractor is to expose existing sanitary lateral and remove sufficient lateral to enable a new connection to be made at grade with the new sanitary sewer. Contractor should allow a minimum of 5 feet of sanitary lateral and any riser section (if needed). If existing sanitary lateral is lower than new sanitary sewer, Contractor shall re-lay sanitary lateral towards the house to enable connection to be made. If existing lateral is in such a deteriorated condition, that connection cannot be made at 5 feet, Contractor is to obtain approval from the Village or the Engineer to replace additional lateral.

Plugging of abandoned laterals shall be made with a minimum of 2-foot concrete mortar plug and shall be incidental to the contract.

Basis of Payment. This work will be paid for at the Contract unit price per Each for SANITARY SERVICE CONNECTION.

ITEM #41: 18" SANITARY SEWERS, DUCTILE IRON, CL52, AWWA C151

Description. This work shall be according to Article 550 of the Standard Specifications, Section 31 of the "Standard Specifications for Water and Sewer Main Construction, and the following:

Ductile-iron pipe shall conform to ANSI A 21.51 (AWWA C151), class or thickness designed per ANSI A 21.50 (AWWA C150), tar (seal) coated and/or cement lined per ANSI A 21.4 (AWWA C104), with a mechanical or rubber ring (slip seal or push on) joints. Joints for ductile iron pipe shall be in accordance with the following applicable specifications: Mechanical Joints - AWWA C111, Push-On Joints - AWWA C111.

The pipe bedding and backfill up to twelve inches (12") above the top of pipe will be included in the cost of this item.

The price for this item shall also include the installation of two (2) shielded couplings with stainless steel rings at both ends. Shielded couplings shall be Fernco Strong Back RC 5000 Series Couplings or approved equal.

All excavation of earth required to access the sewer will be included in the cost of this item.

Basis of Payment. This work will be paid for at the contract unit price per foot for 18" SANITARY SEWERS, DUCTILE IRON, CL52, AWWA C151.

ITEM #42: POINT REPAIRS

Description. This work shall consist of the removal and replacement of portions of sanitary sewer pipe and all necessary removal and restoration of existing surface and utilities at locations show on the Plans. Work and materials incidental to POINT REPAIR may include, but are not limited to: excavation, shoring, sheeting, bracing, all pipes, fittings, adapters, pipe bedding, trench backfill, temporary aggregate, compaction, surface restoration (sidewalk, driveway pavement, lawns, etc.), bypass pumping and traffic control.

The existing surface area of each work location shall be recorded in electronic media format prior to any excavation as described in PRE-CONSTRUCTION SURFACE TELEVISIONING. Site preparation including surface removal shall be as required for each individual point repair. The Contractor shall verify pipe size and type prior to construction.

Materials: Pipes installed during point repairs shall conform to the following requirements and shall be free of visible cracks, holes, foreign material, blisters, or other deleterious faults.

PVC Sewer Pipe and Fittings:

- a. 8-inch to 12-inch diameter:
 - i. ASTM D3034- SDR 26
- b. Service pipes are to match sewer main.
- c. Fittings such as saddles, elbows, tees, and wyes shall be factory produced and have joint design compatible with adjacent pipe.
- d. Inserta Tee Fatboy, SDR 26, ASTM 3034 with rubber gasket and rubber sleeve ASTM F477.
- e. Transitions to existing pipe materials: Non-shear couplings with stainless band are required for connecting to existing sewer pipe and shall conform to ASTM C-1173. Gaskets shall conform to ASTM D5926. They shall be Fernco RC 5000 series shielded couplings or approved equal.
- f. Joints/Rubber Gasket: Conform to ASTM F477. Bell and spigot joint conforming to ASTM D3139, sealed by rubber gasket so assembly remains watertight under conditions of service including movements resulting from expansion, contraction, settlement, and deformation of pipe.

- g. Field applied heat fusion or solvent welded joints between pipe sections, pipe and fittings or fitting components shall not be permitted.
- h. Assembled joint shall pass performance tests as required in ASTM D3139.
- i. Pipe Markings:
 - i. Manufacturer's name or trademark.
 - ii. Nominal pipe size.
 - iii. PVC cell classification
 - iv. ASTM D3034 SDR 26
 - v. Extrusion date, period of manufacture or lot number.

Execution: Replacement pipe shall be placed in the same line and grade of the existing pipe sections. The condition of the pipe sections upstream and downstream of the specified repair location shall be inspected and, if defective, the Engineer will determine if additional repairs are necessary. If additional pipe repairs of five feet or less are required, no additional compensation shall be made.

When specified repairs cannot be made because of physical limitations at the site, the Engineer shall be promptly notified. Alternate repair techniques shall be evaluated in cases where conventional repairs are not practical. Change orders may be required for alternate repairs. Sewer line repair pits shall remain uncovered until an inspection by the Engineer has been made.

1. Excavate repair pit and uncover the main line sewer a minimum of one-foot clearance all around at the damaged section or as directed by the Engineer, and remove damaged pipe.
2. Defective pipe sections and service connections shall be removed by cutting the pipe past the bell end, if necessary, to allow for the use of rubber coupling. Replacement pipe lengths shall be cut to within one-fourth inch of the required replacement pipe length and attached to the existing pipe with appropriate sized rubber couplings. Defective service connections shall be replaced with appropriate sized wye connection and rubber couplings. Pipe bedding under the replacement pipe section shall be compacted to prevent settlement and provide support.
3. Sanitary service connection shall include up to five (5) feet of the service measured from the wye joint. Connect ends of new service piping to existing piping using non-shear rubber mission coupling connectors.
4. Replacement of sanitary service connections shall include the filling of any voids which may be found to exist around the lateral. The void space shall be filled with hydraulic cement or other approved material for a minimum distance of three feet.
5. Where the existing service lateral pipe is found to be in such a deteriorated condition that the specified reconnection cannot be made, the Engineer and Village shall both be notified by the Contractor.

6. When multiple lateral services exist at an address, the Contractor shall determine if lateral is live. **Only live laterals are to be reconnected.** Dead laterals will be removed.
7. Seal joints within the repair pit that appear to be open or in poor condition, but the barrel of the pipe is still good. Roots in open joints shall be removed before sealing. All determinations for sealing joints shall be made by the Engineer. Joints that are open or in poor condition shall be cleaned and packed with a butyl rubber sealant and encased in quick setting, non-shrink concrete followed by encasement with concrete. The encasement shall be centered on the joint, have a minimum thickness of six inches, and have a minimum length equal to the pipe diameter but not less than twelve inches. Methods for sealing open joints other than that described above shall be submitted to the Engineer for approval.
8. Backfill point repair in accordance with standard details and specifications.

Backfilling: The bedding, haunching and backfilling for pipe installation shall be as shown on the Drawings and as specified in Section 20 of the Water and Sewer Specifications except as modified in these Special Provisions.

Pipe Bedding: The Contractor shall furnish, place, compact and transport coarse aggregate gradation CA-7 or CA-11 for pipe bedding to a minimum depth of 4" below the bell of the pipe and 12" above the bell of the pipe. Pipe bedding under the replacement pipe section shall be compacted to prevent settlement and provide support.

Granular Material Backfill. This work shall conform to TRENCH BACKFILL. This item also includes the disposal of the surplus excavated material which is replaced by trench backfill. Such disposal shall be made in accordance with Article 202.03 of the "Standard Specifications".

The Contractor shall maintain trenches flush with existing surfaces until permanent patches are installed or site restoration is completed. No additional compensation will be provided to the Contractor for trench maintenance.

Placing Backfill: The Contractor shall not use frozen material for backfill or place backfill on frozen sub-grade. Care shall be taken to not exert undue stresses on new piping or existing utilities when dumping, spreading, and/or compacting backfill materials. Hand spreading and hand tamping may be required to adequately protect new pipe and existing utilities.

Where pipes leave structures, protect by backfilling pipe influence zone down to undisturbed soil as specified above for support of underground structure. Do not backfill structures until new concrete has properly cured.

Compaction of Backfill.

The trench backfill shall be compacted only by Method 1 as defined in Article 550.07 of the Standard Specifications.

The standard test to define maximum densities of all compaction work shall be ASTM D-1557. All densities shall be expressed as a percentage of the maximum density obtained in the laboratory by the ASTM D-1557 standard procedure. Each layer shall be compacted by mechanical means to 95 percent of the maximum dry density.

The Contractor shall start trench compaction at the point of lowest elevation of trench and work along the complete length of the trench. Backfill shall be placed around the pipe immediately after installation and inspection unless delay is approved by the Engineer.

The select granular backfill material shall be placed and compacted in 12-inch maximum layers of the specified materials as shown on the Drawings and installed from the top of bedding to the existing finished grade. Care shall be taken during compaction to prevent disturbance or injury of the pipe and other utilities.

Post-construction television inspection for sewer repairs:

Post-construction internal television inspection shall be conducted on all sewers receiving sewer repairs. This inspection shall be per NASSCO standards by PACP certified operators. Digital video inspections of the post-rehabilitation television inspection for each sewer section shall be provided to the Engineer and the Owner as described below: After the work is completed, the Contractor shall provide to the Owner two (2) flash drives containing each video file and associated PDF report, which shall document, to the satisfaction of the Engineer, the condition of the sewer repairs immediately after rehabilitation and that it has been installed correctly and that all of the active connections have been restored. Post-construction television inspection and all deliverables shall be considered incidental to this pay item.

Basis of Payment. This work shall be paid at the Contract Unit Price per Lump Sum for POINT REPAIR.

ITEM #43: ADDITIONAL SANITARY SEWER LATERAL, 6”

Description. This work shall be according to the Standard Specifications for Sewer and Water Main Construction in Illinois Latest Edition and the following:

Sewer Lateral shall be PVC 6” diameter, SDR 26 and conforming with ASTM D 2241.

Additional PVC lateral beyond 5 feet included in the SANITARY SERVICE CONNECTION will be paid under this pay item.

Basis of Payment. This work will be paid for at the Contract unit price per Foot for ADDITIONAL SANITARY SEWER LATERAL, 6”.

ITEM #44: COMBINATION CURB AND GUTTER REMOVAL

Description. The work shall be performed in accordance with Section 606 of the Standard Specifications.

This item includes the removal of the existing combination curb and gutter at locations shown on the Plans and as designated by the Engineer. Included in this item is the removal of all types of combination curb and gutter encountered on the Project. Also included in this item is the removal and disposal of any asphalt that has been overlaid into the gutter of any curb that is designated for removal. This item shall also include any additional excavation behind the curb necessary to install the proposed curb and gutter and beneath the curb and gutter necessary to reach the proposed subgrade.

This item also includes the earth excavation required to install new barrier curb behind key stones and sidewalks or as shown on the plans where curb currently does not exist.

The Contractor shall excavate behind and beneath the existing curb as necessary to construct the proposed curb and gutter. The curb and gutter shall be excavated to the subgrade as necessary such that the proposed ten inch (10”) thick gutter including the four inches (4”) of compacted CA-6 sub-base, can be constructed. Any other excavation necessary to allow for the framing of the proposed curb shall be considered included in the cost of this item.

For all situations of curb removal and replacement, the pavement shall be saw-cut six inches (6”) away from the curb and gutter flag to allow for framing of the new curb. Pavement and curb material(s) shall be removed and disposed of properly. The saw-cutting and removal of the pavement wedge shall be performed regardless of the type or thickness of the existing adjacent pavement. The removal of this wedge of concrete will be included in the cost of this item.

All removal shall terminate at existing expansion joints or at new full-depth saw-cut lines as determined by the Engineer. The existing pavements abutting the curb and gutter shall be protected while removal work is being done to avoid unnecessary pavement restoration.

Basis of Payment. Payment shall be at the Contract unit price per Foot for COMBINATION CURB AND GUTTER REMOVAL.

ITEM #45: SIDEWALK REMOVAL

Description. The work shall be performed in accordance with Section 440 of the Standard Specifications.

This item includes the removal of sidewalk at locations shown on the Plans and as designated by the Engineer. The removal of concrete, brick, flagstone, and asphalt sidewalks is also included in this item. These sidewalks shall be excavated to the subgrade as necessary such that the proposed five inch (5") thick sidewalk, including four inches (4") of crushed stone, gradation CA-6, can be constructed.

Also included under this item is the excavation required to install new sidewalk where existing sidewalk currently does not exist.

The work shall also include carefully hand removing any BRICK OR STONE PAVERS next to driveways, sidewalks or PEWs and hand them over to the property owners. The contractor shall be extra careful not to damage the brick pavers. Contractor shall be responsible for replacing any damaged pavers with identical item or one meeting the satisfaction of property owner.

Any excavation of additional aggregate needed to bring the section to the bottom of proposed cross-section of sidewalk will be included in this item.

Basis of Payment. Payment shall be at the Contract unit price per Square Foot for SIDEWALK REMOVAL.

ITEM #46: DRIVEWAY PAVEMENT REMOVAL

Description. The work shall be performed in accordance with Section 440 of the Standard Specifications.

This item includes the removal of existing asphalt driveway, concrete driveway or other driveway pavements at locations shown on the Plans and as designated by the Engineer

The use of drop hammers will not be allowed for breaking these pavements. These driveways shall be excavated to the subgrade of the proposed driveway, including the necessary thickness of compacted, CA-6 stone.

The limits of removal shall typically be from the back of curb to the face of sidewalk and in some instances behind the sidewalk too but shall be designated in the field by Engineer.

The Contractor shall saw-cut the driveway pavement full-depth at the limits of removal, which costs shall be included in this item. All driveway aprons scheduled for replacement shall be removed with extreme care in order to avoid damage to existing adjacent

sidewalks scheduled to remain. Any damage caused by the removal of the driveway pavement shall be repaired or otherwise resolved by the Contractor to the satisfaction of the Village and the property owner. No additional compensation will be allowed.

These driveway pavements shall be excavated to total of ten inches (10") for both HMA and Concrete driveways to be constructed. Concrete driveways consist of 6" concrete and 4" of aggregate base. HMA driveways consist of 4" of HMA and 6" of aggregate base. Any additional excavation required to reach the proposed subgrade shall be considered included in the cost of this item.

Basis of Payment. Payment shall be at the Contract unit price per Square Yard for DRIVEWAY PAVEMENT REMOVAL.

ITEM #47: HOT-MIX ASPHALT SURFACE REMOVAL – (VARIABLE DEPTH)

Description. The work shall be performed in accordance with Section 440 of the Standard Specifications.

This item will consist of the removal of the existing hot-mix asphalt surface over PCC base course or hot-mix asphalt surface over stone base on streets to be resurfaced to provide the profile of the proposed pavement cross section. This work shall consist of removing the existing bituminous surface layer and subsequent materials to the depth required to install proposed bituminous surface and level binder course to achieve slopes as shown on Typical Sections, 2% (min.) and 4% (max.) or as specified by the Engineer or specified on the Plans.

The depth of the material removed will vary from zero to five inches (0" - 5"), depending on the thickness of the hot-mix asphalt surface overlay and proposed grading of curbs. This work shall be done after the placement of the proposed curb and gutter.

The hot-mix asphalt shall be milled to allow for two- and three-quarter inches (2-3/4") of new hot-mix asphalt to be laid against the proposed gutter edge.

No additional compensation will be allowed for encountered concrete, worn concrete, crushed aggregate, and brick patches and bases. The removal shall be done to the limits specified on the plans and/or by Engineer in accordance with the applicable portions of Sections 440 and 1101 of the Standard and Supplemental Specifications.

If any reinforcing steel protrudes from the roadway after the grinding operation has been completed, the Contractor will be required to cut the steel and properly dispose of it until the Village is satisfied with the safety of the jobsite.

Sufficient milling or grinding passes shall be made over the existing pavement so that all irregularities and high spots are eliminated from the pavement's surface before it is overlaid with new material.

Hot-mix asphalt surface removal shall be measured in place and the area computed in square yards for the total increment of material removed. The area measured shall be paid for only once regardless of the number of passes needed to remove the material.

After removal to the required depth, the remaining base shall be inspected and prepared for subsequent paving operation. Preparation, crack filling, priming and leveling shall be performed according to Sections 358 and 406 of the Standard and Supplemental Specifications. BITUMINOUS MATERIAL (PRIME COAT), and LEVELING BINDER will be paid for separately. Base preparation, blading and rolling will not be paid for separately and the cost shall be included in this pay item.

Where a portion of existing surface is to remain in place, provision shall be made for satisfactory transition between replacement and the portion remaining in place. The Contractor shall form a straight joint by saw cutting existing bituminous surface to the depth of 3 inches.

The saw cutting shall be considered incidental to this removal item. The Contractor shall notify the Engineer if milling operation exposed failed base material. Failed base shall be removed, replaced, and paid for as it is described in "CLASS D PATCHING" or "CLASS C PATCHING" special provision. Removal and replacement of PATCHING will be paid for separately.

The Contractor is to immediately notify the Engineer if the milling operation exposes existing geo-fabric material at the depth of milling. The depth of milling shall be increased such that to ensure complete removal of the fabric. This additional depth shall not reflect on additional thickness of following leveling binder/surface course layers.

The Contractor to paint edges of curbs, pavements, and structure frames with brightly colored paint after cold milling operation to highlight potential tripping hazards

Basis of Payment. Payment shall be at the Contract unit price per Square Yard of HOT-MIX ASPHALT SURFACE REMOVAL - (VARIABLE DEPTH).

ITEM #48: BARRIER CURB, TYPE B

This work shall include constructing concrete barrier curb. The barrier curb shall be constructed in accordance with Section 606 of the Standard Specifications and the details for this item as shown on the Plans.

This item will be used primarily when installing barrier curb behind the key stone and extending either side of the key stone at the back of the sidewalk as indicated on plans or as directed by the Engineer to transition the landscaped area behind sidewalk. The height of this curb varies accordingly to match the existing ground at the back of this curb.

The barrier curb shall be placed upon a compacted crushed stone bedding, Gradation CA-6, having a minimum thickness of four inches (4"). The cost for the 4" stone cushion shall be included in this item.

Three smooths, round, epoxy coated, steel #4 dowel bars running the continuous length along each edge of the curb shall be placed at the location indicated on the details. At each corner where two curbs meet, a steel dowel bar ½" in diameter shall be bent to make a 90-degree angle and each side of the angle shall be one foot in length.

Between four (4) and twenty-four (24) hours after the curb has been placed, contraction joints two inches (2") in depth, shall be saw-cut at a maximum of a 15' spacing and at certain other locations as may be designated by the Engineer. These joints shall then be sealed according to the requirements of Article 420.14(a) of the "Standard Specifications for Road and Bridge Construction". At locations where the proposed curb meets existing curb, 2 - 18" long, ¾" diameter, epoxy coated, steel dowel bars shall be drilled into the existing curb.

After removal of the "back of curb" form, the excavated area behind the curb designated for sodding shall be immediately backfilled with select non-organic earth backfill in preparation for the placement of the topsoil. All areas where concrete or asphalt is to be installed along the back of curb shall be backfilled with crushed stone, gradation CA-7 and properly compacted. The costs for the placement of the required backfill material shall be included in the cost of the curb and gutter.

ONE INCH (1") THICK WOODEN FORMS WILL BE USED IN THE FORMING OF ALL RADIUS SECTIONS OF CURB AND GUTTER. MASONITE AND STEEL FORMS WILL NOT BE ALLOWED.

Basis of Payment. Payment for this item shall be at the Contract unit price per Foot for CONCRETE CURB AND GUTTER, TYPE B.

ITEM #49: COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12 (MODIFIED)

Description. This work shall be according to Article 606 of the Standard Specifications and the following:

The construction of the combination concrete curb and gutter shall be in accordance with the details for this item shown in the Plans. The proposed curb and gutter shall have a

gutter flag having a minimum thickness of ten inches (10"). The height of the curb shall vary in accordance with the grades established by the Engineer.

The curb and gutter shall be laid upon a cushion of compacted crushed stone, Gradation CA-6 having a minimum thickness of four inches (4"). Between four (4) and twenty-four (24) hours after the curb has been placed, contraction joints three inches (3") in depth, shall be saw-cut at a maximum spacing of fifteen feet (15') and at other locations as may be designated by the Engineer. These joints shall then be sealed according to the requirements of Article 420.14(a) of the Standard Specifications for Road and Bridge Construction.

If the Contractor fails to properly cut the joints in the specified time period and the curb cracks, the entire curb section will be replaced from the nearest adjacent tooled joint at the Contractor's cost.

Three-quarter inch ($\frac{3}{4}$ ") bituminous expansion joint fillers with two (2) smooth, round, capped, epoxy coated, steel dowel bars each $\frac{3}{4}$ " in diameter and 18" long shall be placed at intervals not to exceed 60', at all radius or bend points, on both sides of structures located within the curb and gutter, and at other locations designated by the Engineer. At locations where the proposed curb and gutter meets existing curb and gutter, two (2) epoxy coated, steel dowel bars shall be drilled into the existing curb and gutter.

At locations where the curb is to be replaced on streets that are not being reconstructed, a six-inch (6") wide wedge of concrete base course will be placed after the curb and gutter has been poured and the framing has been removed. The placement of the eight-inch (8") thick concrete base will be included in the cost of this item.

It shall be the Contractor's responsibility to provide curb depressions at locations where public sidewalks require ramping for pedestrian crossing. The depressions shall be constructed as shown in the details in the Plans and in basic compliance with the Accessibility Guidelines as detailed in the Americans with Disabilities Act (ADA).

After removal of the "back of curb" form, the excavated area behind the curb designated for sodding shall be immediately backfilled with select non-organic earth backfill in preparation for the placement of the topsoil. All areas where concrete or asphalt pavement is to be constructed shall be backfilled with crushed stone, gradation CA-7 and properly compacted. This stone must be compacted prior to framing the proposed sidewalk or driveway. The placement of the required backfill material shall be considered included in the placement of the curb and gutter.

In this instance, the framing of this item will be done according to the detail in the plan set, to allow for a "shelf" for the proposed adjacent sidewalk if any, concrete driveway or ADA ramps to rest on. The additional wood needed to frame this item will be included in the cost of this item.

Basis of Payment. Payment shall be at the Contract unit price per Foot of COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12 (MODIFIED).

ITEM #50: COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24 (MODIFIED)

The construction and Payment for this item will be the same as COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6-12 (MODIFIED) except for designated width of gutter flag.

This item shall be used at the corners of the Pine/Villa Ave., Maple/Villa Ave., Oak/Villa Ave., and Division/Villa Ave. and as directed by the Engineer.

Basis of Payment. Payment shall be at the Contract unit price per Foot of COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24 (MODIFIED).

ITEM #51: PORTLAND CEMENT CONCRETE SIDEWALK, 5"

Description. This work shall be according to Article 424 of the Standard Specifications and the following:

The five inches (5") thick, P.C.C. sidewalk shall be constructed to the limits and grade required to blend with adjoining surfaces. The sidewalk shall be placed upon a base of compacted crushed stone, Gradation CA-6, having a minimum thickness of four inches (4"). Full depth expansion joints shall be placed between the sidewalk and the back of any adjacent curb, sidewalk, or buildings, and as directed by the Engineer.

STEEL FORMS WILL NOT BE ALLOWED.

Basis of Payment. Payment shall be at the Contract unit price per Square Foot for PORTLAND CEMENT CONCRETE SIDEWALK, 5".

ITEM #52: DETECTABLE WARNINGS

Description. This work shall consist of installing detectable warnings. This work shall be in accordance with Section 424 of the Standard Specifications, except as modified herein.

Detectable warnings shall be installed at curb ramps and other locations where pedestrians are required to cross a hazardous vehicular way.

Materials. Detectable warnings shall be Plastic in kind with pre-cast tiles. Installation shall be cast-in-place. Surface mounted applications will not be permitted. Detectable warnings shall be red in color. Detectable warning tiles shall be either rectangular or radial in shape as shown on the plans or as directed by the Engineer. The product or products to be used for detectable warnings shall be approved by the Engineer prior to use.

Construction. Installation shall be according to the manufacturer's specifications and as directed by the Engineer.

Where a curb ramp is 5 ft. in width or less and a rectangular detectable warning tile is to be used, the installation shall consist of a single detectable warning tile. If a pre-cast detectable warning tile is not manufactured in the width of the curb ramp, a larger detectable warning tile shall be furnished and shall be cut to the width of the curb ramp.

Installation of multiple detectable warning tiles at a single curb ramp will only be permitted where a curb ramp exceeds 5 ft. in width or where radial detectable warning tiles are to be used. Where multiple detectable warning tiles are permitted at a single curb ramp, they shall be mechanically joined prior to installation.

Method of Measurement. Detectable warnings will be measured for payment in place and the area computed in square feet.

Basis of Payment. This work will be paid for at the contract unit price per square foot for DETECTABLE WARNINGS.

ITEM #53: PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 6"

Description. This work shall be according to Article 423 of the Standard Specifications and the following:

This item includes the placement of new six inch (6") thick concrete driveway pavement at locations shown on the Plans and as designated by the Engineer. The six inch (6") thick concrete driveway pavement shall be placed upon a cushion of compacted crushed stone, Gradation CA-6. The compacted crushed stone are paid for separately as AGGREGATE BASE COURSE, 4" (PCC DRIVEWAY).

The Engineer shall determine the limits and joint patterns of proposed driveway areas.

Full depth (6"), bituminous expansion joint fillers (3/4" thick) shall be placed along all proposed curb and gutter and along all existing sidewalk.

Basis of Payment. Payment shall be at the Contract unit price per Square Yard for PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 6".

ITEM #54: PROTECTIVE COAT

This item will include the placement of protective coat on all exposed concrete surfaces at locations shown on the Plans or as directed by the Engineer. Regardless of when the concrete is placed, a protective coat shall be applied to all concrete curb and gutter, driveways, concrete pavement, and sidewalks in accordance with the requirements of Article 420.21 of the "Standard Specifications for Road and Bridge Construction".

Cure and seal will not be accepted for use under this item.

Payment for this item shall be at the Contract unit price per Square Yard for PROTECTIVE COAT.

ITEM #55: HOT-MIX ASPHALT DRIVEWAY, 4"

Description. This work shall be according to Article 406 of the Standard Specifications and the following:

Existing asphalt driveways which are slated to be replaced shall be surfaced with a four-inch (4") thickness of hot-mix asphalt surface course on top of freshly compacted six inches (6") of crushed stone. The work includes the installation of 4" thick Hot-Mix Asphalt. The Hot-Mix Asphalt shall be placed upon a cushion of compacted crushed stone, Gradation CA-6. The compacted crushed stone are paid for separately as AGGREGATE BASE COURSE, 6" (HMA DRIVEWAY).

The Engineer shall determine the limits of driveway areas.

This item will include the preparation of existing pavement including the installation, compacting and priming of the aggregate base.

The material shall meet the requirements of Hot-Mix Asphalt Surface Course, Mix "D" N50, as described in the Standard Specifications and as shown in the chart on the plans.

The asphalt must be placed in two lifts.

The crushed stone surfaces and/or the concrete surface shall be cleaned and then primed with RC-70 bituminous material at a rate of 0.20 to 0.30 gallons per square yard immediately prior to the laying of the asphalt mixture. A self-propelled mechanical roller shall be used to compact the hot-mix asphalt surface course.

Basis of Payment. Payment for this item shall be at the Contract unit price per Square Yard for HOT-MIX ASPHALT DRIVEWAY, 4".

ITEM #56: INCIDENTAL HOT MIX ASPHALT SURFACING, (VILLA AVE.)

This item shall be installed in areas where hot-mix asphalt surface is to be installed along Villa Avenue or as directed by the Engineer. The hot-mix asphalt surface course shall be installed with a minimum thickness of three-inches (3") or to match the existing adjacent hot-mix asphalt surface if greater than two-inches (2"). The surface course shall be placed in accordance with Section 408 of the "Standard Specifications for Road and Bridge Construction".

Hot-Mix Asphalt Surface Course, Mix 'D', N50 shall be used for this pay item.

The crushed stone surfaces and/or the concrete surface shall be cleaned and then primed with RC-70 bituminous material at a rate of 0.20 to 0.30 gallons per square yard immediately prior to the laying of the asphalt mixture. A self-propelled mechanical roller shall be used to compact the hot-mix asphalt surface course.

Pavement markings will be restored to match existing markings in material, size and color in areas disturbed by the work. Pavement marking materials shall conform to Section 780 of the Standard Specifications for Road and Bridge Construction. Restoration of pavement markings will be considered included in this bid item.

The preparation of the base and the addition of any aggregate base shall be paid for under the item for HOT-MIX ASPHALT SURFACE REMOVAL, (VILLA AVE).

Basis of Payment. Payment for this item shall be at the Contract unit price per Ton for INCIDENTAL HOT-MIX ASPHALT SURFACING, (VILLA AVE.).

ITEM #57: CLASS C PATCHES, TYPE I-IV, 8"

Description. This work shall be according to Article 442 of the Standard Specifications and the following:

This item will be used on streets to be resurfaced and will primarily consist of the removal of the existing concrete base to allow for 8" concrete base and the eventual placement of asphalt surface. The concrete sub-base shall be graded to a depth allowing for three inches (3") of Hot-Mix Asphalt level binder and Surface course at locations shown on the Plans or as directed by the Engineer.

This item will also be installed at the locations where new sewers or water services were installed on the street pavements. The width for the trench patches shall be the maximum allowable trench width shown in details or as the limits marked by the Engineer.

The limits of removal shall be marked by the Engineer. The patches shall be saw cut full-depth and any areas damaged outside the limits of removal shall be replaced by the Contractor at his own expense.

Basis of Payment. This work will be paid for at the Contract Unit Price per Square Yard for CLASS C PATCHES, TYPE I-IV, 8”.

ITEM #58: CLASS D PATCHES, TYPE I-IV, 6”

Description. This work shall be according to Article 442 of the Standard Specifications and the following:

This item will be used on streets to be resurfaced and will primarily consist of the removal of the existing stone/material to a depth to allow for of six inch (6”) of Hot-Mix Asphalt patching and the subsequent Asphalt surfacing . The stone subbase shall be graded to a depth allowing for three inches (3”) of Hot-Mix Asphalt level binder and Surface course at locations shown on the Plans or as directed by the Engineer

This item will also be used at locations where new sewers or water services were installed on the streets with stone base. The width for the trench patches shall be the maximum allowable trench width or as the limits marked by the Engineer.

The limits of removal shall be marked by the Engineer. The patches shall be saw cut full-depth and any areas damaged outside the limits of removal shall be replaced by the Contractor at his own expense.

Basis of Payment. This work will be paid for at the Contract Unit Price per Square Yard for CLASS D PATCHES, TYPE I-IV, 6”.

ITEM #59: BITUMINOUS MATERIALS (PRIME COAT)

Description. This work shall consist of the preparation and application of bituminous tack coat on concrete or HMA bases prior to HMA placement. This work shall be in accordance with Section 406 of the Standard Specifications, except as modified herein.

Bituminous tack coat shall be placed at least one hour in advance of the placement of HMA, but no more than 48 hours in advance of the placement of HMA. If Contractor places tack coat more than 48 hours in advance of the placement of HMA, the tack coat will not be measured for payment, and Contractor will place tack coat again in accordance with this provision. Tack coat shall not be placed on weekends or on holidays unless permitted by the Engineer. Tack coat shall not be placed before weekends or holidays when placement of HMA is not expected to take place until after the weekend or holiday, unless permitted by the Engineer.

Basis of Payment. This work will be paid for at the contract unit price per pound for BITUMINOUS MATERIALS (PRIME COAT).

ITEM #60: LEVELING BINDER (MACHINE METHOD), N50, 1”

Description. This work shall be according to Article 406 of the Standard Specifications and the following:

This item shall be applied after milling of the existing surface and any necessary patches have been completed. The layer of hot mix asphalt leveling binder course shall be installed with a nominal thickness of one inch (1”).

Basis of Payment. Payment for this item shall be at the Contract unit price per Ton for LEVELING BINDER (MACHINE METHOD), N50, 1”.

ITEM #61: HOT-MIX ASPHALT SURFACE COURSE, MIX D, N50, 2”

Description. This work shall be according to Article 406 of the Standard Specifications and the following:

This item shall be applied to all pavements to be surfaced. The hot-mix asphalt surface course shall be installed with a nominal thickness of two-inches (2”). This will allow for the finished pavement to be ¼” above the curb gutter at the edge of pavement. All work shall be in accordance with Section 406 of the Standard Specifications.

The surface course shall be placed on the newly installed leveling binder no more than ten (10) days after the level binder has been placed. If the surface has not been placed within ten (10) days after binder, the Contractor will be assessed liquidated damages for each day in excess of ten (10) days at the same rate as specified for completion of the Contract in the Bid Proposal.

This item will also be used for the paving of butt-joints.

Basis of Payment. Payment shall be at the Contract unit price per Ton for HOT-MIX ASPHALT SURFACE COURSE, MIX D, N50, 2”.

ITEM #62: CRACK SEALING HOT-MIX ASPHALT PAVEMENT

Description. All work under this item shall be in accordance with Section 451 of the IDOT Standard Specifications. This work shall consist of routing, cleaning, and sealing transverse and longitudinal reflected cracks in existing hot-mix asphalt (HMA) pavement.

Equipment. The routing machine shall have a steel, circular cutting head with carbide tipped cutters mounted radially. The machine shall be capable of routing a uniform, square shape approximately 3/4 x 3/4 in. (20 x 20 mm) in either a straight or irregular line. The kettle used for heating the sealer shall be double-jacketed

Sealant shall be placed in the clean, dry crack. The crack shall be slightly overfilled and immediately squeegeed to provide a "band-aid" type effect approximately 2 in. (50 mm) wide, flush with the pavement surface, and with the edges feathered out.

The sealant shall be allowed to cure before opening to traffic. When approved by the Engineer, the sealant may be dusted with fine sand, Portland cement, or mineral filler to prevent tracking.

451.02 Materials. Materials shall be according to the following. Item Article/Section (a) Hot-Poured Joint Sealer1050.02

Crack Filling. Filling of cracks will be measured for payment in pounds (kilograms) of sealant used. The quantity of sealant used will be determined by counting the containers of sealant used, multiplied by the indicated pounds (kilograms) of each container.

Basis of Payment. Payment will be at the Contract unit price per ton for CRACK FILLING HOT-MIX ASPHALT PAVEMENT.

ITEM #63: TOPSOIL FURNISH AND PLACE, 4"

Description. This work shall be according to Article 211 of the Standard Specifications and the following:

The Contractor shall take precautions so as not to unnecessarily damage lawns. In areas that are designated to be sodded, the existing sod shall be cut and removed; the area shall then be shaped, graded and rototilled. The area to be sodded shall then have a layer of good quality, pulverized topsoil which has been approved by the Engineer prior to placement, spread and fine raked in such a manner as to result in a top dressing of the parkway having an average thickness of four inches (4") of topsoil.

Any excavation and grading of the parkway which is required to give a uniform slope from the limit of sod restoration to the top of the curb shall be included in this item, except excavation more than four-inches (4") and required for grading of the parkway to give a uniform slope from the limit of sod restoration to the top of the curb shall be paid for under the EARTH EXCAVATION.

The topsoil and sod shall be placed before the installation of the hot-mix asphalt surface course.

The Contractor shall be responsible for removing any weeds prior to the placement of the sod. The method of weed removal must be approved by the Engineer.

The topsoil and subgrade shall be thoroughly compacted along newly installed concrete by a compaction method approved by the Engineer. If proper compaction is not achieved, the Engineer may direct the Contractor to remove any soil backfill that the Contractor has placed and replace it with a granular stone backfill. This will be included in the cost of this item.

Water service boxes and valve boxes that can be adjusted to final grade without replacement parts shall be included in the cost of this item.

Basis of Payment. Payment shall be at the Contract unit price per Square Yard for TOPSOIL FURNISH AND PLACE, 4".

ITEM #64: SODDING

Description. This work shall be according to Article 252 of the Standard Specifications and the following:

This item shall consist of the placement of sod on all landscaped areas disturbed by construction as shown on the Plans or as directed by the Engineer. Any excessive or unnecessary damage to the parkway will be restored by the Contractor at his own expense.

After the parkway areas designated for sodding have received the layer of topsoil, the areas shall be carefully graded, fine-raked, rolled, and then covered with a good quality of grass sod. Kentucky Blue or Merion Blue sod shall be used in sodding the parkways. The minimum area of any piece of sod to be placed shall be one (1) square foot with no side being less than six inches (6") in length.

It is Contractor's responsibility to use fertilizer nutrients for its healthy growth accordance to Article 252 of the Standard Specifications and will not be paid for separately but shall be included in the cost of SODDING.

The Contractor shall be responsible for watering the sod in accordance with Section 252 of the Standard Specifications. Upon completion of the 30-day period, the Contractor shall notify the Engineer in writing and request an inspection. The Engineer shall inspect the sod within three (3) working days of being notified by the Contractor and shall supply the Contractor with a written punch list of any areas that are found unacceptable.

Basis of Payment. Payment for this item shall be at the Contract unit price per Square Yard of SODDING.

ITEM #65: GRADING AND SHAPING NEW DITCHES

This work shall be in accordance with Section 202, 214 of the Standard Specifications and as modified as follows.

The work under this item involves excavating, grading and shaping of grass parkway for new ditches between the edge of pavement and Right-of-way Line or possibly from Temporary Grading Easement on **Maple Street between Illinois Ave. and Summit Ave.**

The contractor shall maintain 4:1 side slope on each side of Ditch line and 1.5% (min.) running slope or as directed by the Engineer. The contractor is also required to maintain 4:1 slope on each side of the driveways to the top of the culvert or as directed by the Engineer.

Once the ditch lines are graded and shaped as shown on the plans or to the satisfaction of the Engineer, then this area is to be Sodded which will be paid for as SODDING. The topsoil required in this this area shall be paid for as TOPSOIL, 4".

Any excavation of the parkway which is required to give a uniform slope from the front of sidewalk to the top of the curb shall be paid for under this item. The payment for EARTH EXCAVATION will only be applicable where the proposed top of curb has been lowered substantially from the existing grade (four inches or greater), and a uniform parkway slope is unattainable through the basic grading operations of topsoil placement. The proposed sodding and topsoil section will be subtracted from the measured volume to be excavated. Any excavation and grading of the parkway where the top of curb has not been lowered by four inches (4") or greater shall be included in the item for TOPSOIL PLACEMENT, 4".

Also included in the work under this item are the removal and disposal of all brush, rock, construction debris, hedges, bushes and trees of sizes less than 6" in diameter, and other excess materials located within the construction area of the Project's improvements.

Basis of Payment. The work under this item involves will be paid for at the Contract unit price per square yard of GRADING AND SHAPING NEW DITCHES.

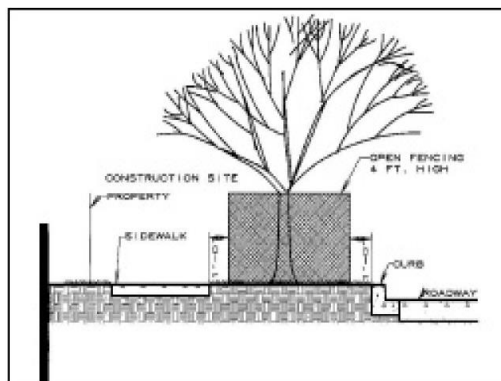
ITEM #66: TREE PROTECTION FENCE

This item shall consist of furnishing, installing, maintaining and removing a polypropylene orange 4 feet high barrier/safety fence. The tree and the tree roots shall be protected by the fence from three sides. The fence shall cover the area of the root zone, to the satisfaction of the Village, leaving enough room to work with sidewalks, curbs, driveways.

To minimize maintenance, the fence shall be mounted on the steel/wooden posts with top bar and secured with plastic ties. The fence shall be installed about a foot and half (1.5') from back of curb and around the tree. The fence shall be mounted in a six feet (6') radius

around from Outside Diameter of tree trunk for protection for each tree or as directed by the Engineer.

The area secured by the fence cannot be used for storing, moving materials and/or equipment. The fence may be removed temporarily for pruning roots.



Failure to maintain the fence in acceptable condition will result in deduction from payment.

The tree protection fences shall be installed around the trees where the new improvement works such as concrete works, water service reconnection, sanitary service reconnection are being performed. The exact location and establishment of the “tree protection zone” fence shall be determined by the Engineer in the field and approved by the Village Representative prior to setting the fence.

If work is required within the “tree protection zone”, it shall have the Village Representative’s prior approval. All slopes and other areas not re-graded should be avoided so that unnecessary damage is not done to the existing turf, tree root system or ground cover. When work is approved in the “tree protection zone”, all the work will be performed by hand with the exception that a sod cutter may be used to remove the existing ground cover.

The grade within the “tree protection zone” shall not be changed unless approved by the Village Representative prior to making said changes or performing the work. The fence shall be 48 inches high, plastic poly-type or any other type of highly visible barrier in an open-weave type pattern with large openings. The type, color and pattern of the fence shall be approved by the Engineer prior to erection. This fence shall be properly maintained and shall remain up until final restoration, unless the Village Representative directs removal otherwise. Tree fence shall be supported using T-Post style fence posts. Utilizing re-bar as a fence post will not be permitted. Tree fencing may not be removed until after the landscaping is complete.

The contractor shall be subject to fines for non-compliance as identified in the contract specifications. The fence is to be maintained to the satisfaction of the Engineer. TREE

PROTECTION FENCE includes furnishing, installing, maintaining, and removing the fence, as directed by the Engineer.

Method of Measurement. This work will be measured for payment as Each per tree.

Basis of Payment. This work will be paid for at the contract unit price per Each for TREE PROTECTION FENCE.

ITEM #67: TREE ROOT PRUNING

Description. This work shall consist of performing tree root pruning. This work shall be in accordance with Section 201 of the Standard Specifications and the current ANSI A300 (Part 1) – Pruning Standard, except as modified herein.

All tree ROOT pruning shall be performed by a professional arborist.

Fertilizer nutrients will not be paid for separately but shall be included in the cost of TREE ROOT PRUNING.

Method of Measurement. This work will be measured for payment as each per tree.

Basis of Payment. This work will be paid for at the contract unit price per each for TREE ROOT PRUNING.

ITEM #68: TREE REMOVALS (6" TO 15")

All work under this item shall be in accordance with Section 201 of the IDOT Standard Specifications.

The works under this item shall include trees (6" to 15") for removals as shown on the plans or as directed by the Engineer. Trees under 6" are to be paid as part of Earth excavation.

Basis of Payment. Payment will be at the Contract unit price per Unit for TREE REMOVALS (6" to 15").

ITEM #69: TREE REMOVALS (15"and Over)

All work under this item shall be in accordance with Section 201 of the IDOT Standard Specifications.

The works under this item shall include trees (15" and Over) for removals as shown on the plans or as directed by the Engineer.

Basis of Payment. Payment will be at the Contract unit price per Unit for TREE REMOVALS (15" and Over).

ITEM #70: SUPPLEMENTAL WATERING

Description. All work under this item shall be in accordance with Section 252 of the IDOT Standard Specifications.

The work under this item shall include the watering of SOD after normal 30 days of SOD watering. The Contractor shall require the approval of the Engineer before performing this work.

During periods exceeding 80 °F (26 °C) or subnormal rainfall, supplemental watering may be required after the initial and additional watering. Supplemental watering shall be performed when directed by the Engineer. Water shall be applied at the rate specified by the Engineer within 24 hours of notice

Supplemental watering will be measured for payment in units of 1000 gal (1000 L) of water applied on the sodded areas. Watering performed in addition to those required by Article 252.08 or after the 30-day establishment period will be considered as supplemental watering.

Basis of Payment. Payment will be at the Contract unit price per Unit for SUPPLEMENTAL WATERING.

ITEM #71: INLET FILTERS

This work shall consist of the furnishing, installation, and removal of a drainage structure inlet filter assembly, consisting of a frame and filter bag, to collect sediment in surface stormwater runoff at locations shown on the plans or as directed by the Engineer be in accordance with Section 280 of the Standard Specifications.

The Contractor shall inspect the work site and review the plans to determine the number and dimensions of the various types of drainage structure frames (circular and rectangular) into which the inlet filters will be installed prior to ordering materials.

The drainage structure inlet filter assembly shall be installed under the grate on the lip of the drainage structure frame with the fabric bag hanging down into the drainage structure.

The drainage structure inlet filter assembly shall remain in place until final removal of the assembly is directed by the Engineer. The drainage structure inlet filter assembly shall remain the property of the Contractor. Final removal of the assembly shall include the disposal of debris or silt that has accumulated in the filter bag at the time of final removal.

Contractor shall inspect and clean all inlet filters weekly, after every rainfall, and additionally as needed. Maintenance and cleaning of inlet filters will not be paid for separately but shall be included in the cost of this work.

A detail drawing in the plans depicts the drainage structure inlet filter assembly.

The drainage structure inlet filter assembly consists of a steel frame with a replaceable geotextile fabric bag attached with a steel band with locking cap that is suspended from the frame. A clean used bag and a used steel frame in good condition meeting the approval of the Engineer may be substituted for new materials.

Basis of Payment. The work will be paid for at the Contract unit price per Each for INLET FILTERS.

ITEM #72: THERMOPLASTIC PAVEMENT MARKING - LINE 24"

Description. This work shall be according to Article 780 of the Standard Specifications and the following:

This item shall include all striping to be done at the locations shown on the plans or where directed by the Engineer and shall be of the color specified in the plans or as determined in the field by the Engineer.

Striping necessitated by placement of Incidental Hot-Mix Surfacing (Villa Ave.) will not be paid for under this item.

Basis of Payment. Payment for this item shall be at the Contract unit price per Foot for THERMOPLASTIC PAVEMENT MARKING - LINE 24".

ITEM #73: THERMOPLASTIC PAVEMENT MARKING - LINE 6"

Description. This work shall be according to Article 780 of the Standard Specifications and the following:

This item shall include all striping to be done at the locations shown on the plans or where directed by the Engineer and shall be of the color specified in the plans or as determined in the field by the Engineer.

Basis of Payment. Payment for this item shall be at the Contract unit price per Foot for THERMOPLASTIC PAVEMENT MARKING - LINE 6".

ITEM #74: TEMPORARY TRENCH BACKFILL

Description. This work shall be according to Article 208 of the Standard Specifications and the following:

The material used for trench backfill shall be CA-6. The trench backfill shall be compacted only by Method 1 as defined in Article 550.07 of the Standard Specifications. Recycled materials or crushed concrete will not be permitted.

The standard test to define maximum densities of all compaction work shall be ASTM D-1557. All densities shall be expressed as a percentage of the maximum density obtained in the laboratory by the ASTM D-1557 standard procedure. Each layer shall be compacted by mechanical means to 95 percent of the maximum dry density.

Once the sewer trenches have been backfilled up to the sub-grade, then depth from the sub-grade to the top of the surface course shall be backfilled with trench backfill material (CA-6) placed and properly compacted, to the satisfaction of the engineer. It is also contractor's responsibility to fill in with more stone (CA-6) if the Engineer sees settlement on temporary trench backfill for safer vehicle traffic. The additional stone placing, grading and compacting shall be incidental to temporary trench backfill.

Temporary trench backfill shall be installed at locations where sewer trenches are backfilled with CA-6 or shown in the Drawings from the bottom of proposed subgrade elevation to the top of the surface course totaling approximately three inches (3"). The select granular backfill material shall be placed and compacted to the satisfaction of the Engineer.

Basis of Payment. Payment for this item shall be at the Contract unit price per Cubic Yard for TEMPORARY TRENCH BACKFILL.

ITEM #75: AGGREGATE FOR TEMPORARY ACCESS

Description. This work shall be according to Article 402 of the Standard Specifications and the following:

The material is to be used to construct and maintain an aggregate surface course for temporary roads and entrances on streets that are being reconstructed. When use of the temporary aggregate is discontinued it shall be removed and utilized in the permanent construction (if approved by the Engineer) or disposed of.

This work shall also include restoring and maintaining the Aggregate level on Gravel road, North of **Summit Avenue**, or as directed by the Engineer.

The maintenance of each entrance shall be included in the cost of this item. Each entrance will only be paid for once, regardless of duration of usage.

An allowance has been made within the bid for this item however it is expected that the Contractor will re-use this material elsewhere within the project where possible.

Basis of Payment. This work shall be measured and paid for at the contract unit price per Ton for AGGREGATE FOR TEMPORARY ACCESS which price shall include its installation and removal.

ITEM #76: AGGRAGTE BASE COURSE, 6" (HMA DRIVEWAY)

Description. This work shall be according to Article 351 of the Standard Specifications and the following:

This item includes the installation of six inches (6") of aggregate base at locations where new Hot-Mix Asphalt driveways are to be installed as shown on the plans or as directed by the Engineer. This works shall include compacting, shaping and finishing crushed stone, Gradation CA-6, having a minimum thickness of six inches (6") for driveways before Hot-Mix Asphalt are to be installed.

The Engineer shall determine the limit of driveway areas and the crushed stone depths.

This item will include the preparation of base course including the installation and compacting.

The crushed stone surfaces and/or the concrete surface shall be cleaned and then primed with RC-70 bituminous material at a rate of 0.20 to 0.30 gallons per square yard immediately prior to the laying of the asphalt mixture. A self-propelled mechanical roller shall be used to compact the hot-mix asphalt surface course.

Basis of Payment. Payment shall be at the Contract unit price per Square Yard for AGGREGATE BASE COURSE, 6" (HMA DRIVEWAY)

ITEM #77: AGGREGATE BASE COURSE, 4" (PCC DRIVEWAY)

Description. This work shall be according to Article 351 of the Standard Specifications and the following:

This item includes the installation of 4" of aggregate base at locations where new concrete driveway pavement are to be installed as shown on the plans or as directed by the Engineer. This works shall include compacting, shaping and finishing crushed stone, Gradation CA-6, having a minimum thickness of four inches (4") for residential driveways. and a minimum thickness of six inches (6") for commercial driveways before 6" thick of Portland Cement Concrete Driveways are to be poured.

This item will include the preparation of base course including the installation and compacting.

The Engineer shall determine the limit of driveway areas and the crushed stone depths in field

Basis of Payment. Payment shall be at the Contract unit price per Square Yard for AGGREGATE BASE COURSE, 4" (PCC DRIVEWAY)

ITEM #78: REMOVE AND RELOCATE SIGN PANEL AND SIGN PANEL ASSEMBLY

Description. All work under this item shall be in accordance with Section 724 of the IDOT Standard Specifications except the followings:

The work under this item shall include removing existing signs and installing at new locations as shown on the plan or as directed by the Engineer.

This work shall consist of carefully removing the existing signs mainly STOP SIGN with any Street sign panels attached with it and sign panel assemblies along with their telescoping sign supports and bases, metal posts, or wood posts. The Contractor shall then re-use those sign panels, assemblies, metal posts to relocate as shown on the plans or as directed by the Engineer.

Installation of relocated signs shall be according to Section 720 and the following. The sign panel(s), sign panel assembly, and supporting channels shall be installed on the existing sign supports, new sign supports structure as applicable using new mounting hardware and as directed by the Engineer.

Basis of Payment. Payment will be at the Contract unit price per Each for REMOVE AND RELOCATE SIGN PANEL AND SIGN PANEL ASSEMBLY.

ITEM #79: SIGN PANELS WITH STEEL POSTS

This work shall consist of furnishing and installing a warning sign panel in accordance with Section 720, 728 and 731 of the Standard Specifications at locations specified by the Engineer.

This work shall consist of carefully removing the existing signs mainly STOP SIGN with any Street sign panels attached with it and sign panel assemblies along with their telescoping sign supports and bases, metal posts, or wood posts. The Contractor shall then deliver those existing sign panels, assemblies, metal posts to the Village yard or as directed by the Engineer. The contractor shall be very careful removing any street signs with hardware and re-use to assemble on the new sign panels with steel posts.

Sign panels shall be sheet aluminum according to Article 720.02 and be 30-inches by 30-inch in size with 3" rounded radius corners. Sign panels shall be mounted on a telescoping steel sign supports at locations determined by the Engineer. Sign panel mounting and erection shall be according to highway standards 720001 and 720006. Telescoping steel sign supports shall be according to highway standard 728001. Sign panel graphics shall be supplied by the Engineer in a color pdf format and shall match the layout of the sign panel shown on the plans. The engineer will provide a PDF of this file to selected Contractor.

Under this item, the contractor shall be responsible for removing old signs with posts, preparation of base, furnish new signs and posts with all hardware required and install. Telescoping steel sign supports shall not be measured for payment but shall be included in this item.

Basis of Payment. Payment will be at the Contract unit price per Each for SIGN PANELS WITH STEEL POSTS.

ITEM #80: EXPLORATORY EXCAVATION

Description. This work shall consist of excavation for the purpose of locating and inspecting an existing utility or utilities. This work shall be in accordance with Section 213 of the Standard Specifications, except as modified herein.

The exploration excavation may be used to locate any existing utility or utilities, including, but not limited to, water mains, water services, sewer mains, sewer services, field tiles, gas lines, underground electric lines, underground telephone lines, underground cable TV lines, underground communication lines, underground fiber optic lines, and other utilities as applicable.

The exploration excavation may be used to locate existing utilities regardless of whether the utilities are public or private; known or unknown; or marked or unmarked. The exploration excavation may also be used to inspect the condition of existing utilities, determine the material type or dimensions of existing utilities, and to verify clearances between multiple utilities.

The exploration excavation shall be constructed at the locations shown on the plans or as directed by the Engineer. The depth of the exploration excavation shall vary as necessary, but shall be sufficient to locate the utility or utilities under investigation.

Upon completion of the exploration excavation, the trench shall be backfilled. All exploration excavation where the inner edge of the trench is within 2 ft of an existing or proposed edge of pavement, driveway, curb, gutter, curb and gutter, stabilized shoulder, or sidewalk shall be backfilled with trench backfill in accordance with Section 208 of the Standard Specifications. Excavation which do not require trench backfill shall be backfilled in accordance with Article 550.07 of the Standard Specifications. Backfilling of excavation shall be included in the cost of this work.

Basis of Payment. This work will be paid for at the contract unit price per HOUR for EXPLORATORY EXCAVATION.

ITEM #81: PRE-CONSTRUCTION VIDEO RECORDING

Description. This work consists of performing color video and audio recording of the project area and other areas which may be impacted by construction.

Preconstruction video recordings will include coverage of the project area and all other areas which may be impacted by construction. Video recordings will also include construction easements when applicable. Video recordings will provide a visual record of all physical features within those areas, including, but not limited to, roadways, pavements, curbs, gutters, driveways, driveway aprons, sidewalks, carriage walks, parkways, trees, landscaping, shrubbery, plantings, landscaping walls, retaining walls, signs, sign posts, fences, utility poles, light poles, utilities, equipment, manholes, b-boxes, cleanouts, valves, curb structures, pipelines, buildings, mailboxes, and any other features located within the project area.

Video recordings will begin with an audio narrative which provides the current date and time, the name of Owner and name of project, and a description of both the starting location and the location or locations to be recorded, including street name or names, street addresses, and any additional information which may be necessary to describe the location and subject of viewing.

Video recordings will maintain viewer orientation by means of an audio commentary in the audio track of each video recording which provides an explanation of what is being viewed; and by videotaping landmarks and readily identifiable objects (property addresses, street signs, etc.) at appropriate intervals.

Preconstruction video recordings will be recorded at a rate of travel not exceeding 48 feet per minute and zooming and panning rates will be controlled to provide clarity of features during playback. The finished product will be provided with bright, clear pictures and

accurate colors free from distortion, tearing, rolls, or other forms of picture imperfection. The audio will have proper volume and clarity. All recordings will be performed at times of satisfactory visibility, and when no more than ten percent of ground is obscured by snow, leaves, or other cover.

If any element within or portion of the project area is not adequately documented by the preconstruction video recording so as to definitively demonstrate its condition prior to the start of construction, Contractor will assume responsibility for the repair, restoration or replacement of that element or portion of the project area. Such repair, restoration or replacement will be to equal or better condition than previously existing and will further comply with all standards and provisions which govern the work in question.

Schedule. Preconstruction video recording will be performed according to the following schedule:

- (a) Preconstruction video recording will take place after a Notice to Proceed has been issued.
- (b) Preconstruction video recording will take place after the Joint Utility Locating Information for Excavators (JULIE) request for the project area has cleared.
- (c) Preconstruction video recording will take place before any equipment, materials, or other items are delivered to the site.
- (d) Preconstruction video recording will take place no more than seven (7) chargeable days prior to the start of construction.
- (e) Preconstruction video recording will take place, the required pre-construction video recording deliverables will be submitted to the Engineer, and the Engineer will review and issue written approval of the video before any activity other than utility locating will be permitted to start. Such activity will include, but not be limited to, delivery of materials and equipment, installation of traffic control and erosion control, and completion of construction layout and tree protection. No days will be charged against the contract time while the video is under review by the Engineer, including the day the deliverables are submitted and the day a response is provided. If the video or any portions thereof are rejected, the contract time will commence to run until revisions are submitted.
- (f) The recording will be submitted to Engineer for review prior to commencement of any construction and receive acceptance of recordings prior to commencement of construction. Any areas found not acceptable to the Owner will be re-filmed at no additional cost to the contract.

Deliverables.

Video will be high-definition, with a minimum resolution of 1280 x 720 pixels per frame. Video will be filmed in a landscape aspect ratio. Video filmed in a portrait aspect ratio will be considered unacceptable and will be rejected.

Preconstruction video recordings will be provided as electronic files of .avi, .mp4, .m4v, .mkv, .wmv, or .mpg file format, or of such other file format as may be approved by Engineer. Preconstruction video recordings will be provided as independent digital container format files, which container files will include all video, audio, and other electronic information necessary to view the preconstruction video recording as intended.

Video DVD will be considered an unacceptable format for providing preconstruction video recordings and will be rejected.

Preconstruction video recording electronic files will be provided on a portable electronic media device or devices of one of the following types: USB flash drive, SD flash memory card, CF flash memory card, data DVD, external hard drive, or such other portable electronic media device as may be approved by Engineer. Preconstruction video recording electronic files may also be provided via online file sharing, cloud storage, File Transfer Protocol (FTP), or other online or network file transfer methods if approved by Engineer.

Preconstruction video recording electronic files will be accompanied by corresponding logs which document the dates, times, and locations covered by each preconstruction video recording electronic file.

Contractor shall maintain copies of all items submitted to Engineer for Contractor's own use and record.

Method of Measurement. This work will be measured for payment on a lump sum basis. No measurement will be made of the individual components of this effort.

Basis of Payment. Preconstruction video recording will be paid for at the contract lump sum price for PRECONSTRUCTION VIDEO RECORDING.

ITEM #82: MOBILIZATION

All work under this item shall be in accordance with Section 671 of the IDOT Standard Specifications.

The bid price for this item should be within a range between 2% and 5%. Should the total project cost resulting from the unit price bid multiplied by the number of Units for MOBILIZATION exceed three percent (3%) of the original contract amount, the amount in excess over three percent will not be paid until ninety percent (90%) of the adjusted contract value is earned.

Basis of Payment. Payment will be at the Contract unit price per Lump Sum for MOBILIZATION.

ITEM #83 TRAFFIC CONTROL AND PROTECTION

Description. The traffic control and protection for this project shall be performed in accordance with the included traffic control plans and Sections 701 Traffic Control and 702 Traffic Control Devices of the Illinois Department of Transportation "Standard Specifications for Road and Bridge Construction," latest edition and the requirements stated herein. The number, type, color, size and placement of all traffic control devices shall be according to the Illinois Department of Transportation's "Manual on the Uniform Traffic Control Devices for Streets and Highways" and the Illinois Department of Transportation's "Quality Standard for Work Zone Traffic Control Devices." The Contractor shall provide all coordination with the City for this item.

Special attention is called to Articles 107.09 and 107.14 of the Standard Specifications, Section 701 of the Standard Specifications, and the following Highway Standards:

- 701501-06 Urbane Lane Closure, 2L, 2W, Undivided
- 701701-10 Urbane lane closure, Multilane Intersection
- 701801-06 Sidewalk, Corner or Crosswalk Closure
- 701901-06 Traffic Control Devices
- B.L.R. 21-9 Typical Application of Traffic Control Devices on Rural Local Highways

Forty-eight (48) hours prior to closing of a traffic lane, the Contractor shall notify responsible municipal and county authorities and obtain all permits (if required) and then comply with all regulations for erecting barricades and warning signs and maintain them during the execution of the work.

Traffic control and safety shall be as specified under Section 648 of the Illinois Department of Transportation "Standard Specifications for Road and Bridge Construction in Illinois," latest edition.

Contractor shall provide a Traffic Control Plan for approval by the Village as part of the submittals.

Construction Requirements. The Contractor shall provide names and phone numbers of the individuals who can be contacted on a twenty-four (24) hour basis to handle barricading or other problems relating to the construction activity. These emergency response persons shall be capable of responding within 1 hour after notification by the Owner. If there has been no response within 1 hour after notification, the Village will respond at a cost of \$100.00 per hour (minimum charge of two hours plus materials). This charge will be deducted from payments to the Contractor.

At all times during which men/women are working where two-way traffic is to be maintained over one lane of pavement, the Contractor shall furnish certified flagmen to protect his workmen and to warn and direct traffic. Two flagmen will be required for each separate operation. Barricades used for channelization or delineation and warning signs shall be sequentially placed in the direction of the traffic flow and removed in reverse order. Lane closure signs and flagmen signs shall be erected prior to barricades and/or cones. The signs shall remain erected until such time as all traffic control devices have been removed from the pavement.

Vehicular access to all private driveways and all local streets shall be maintained throughout the Contract. All homeowners shall have access to their driveways each evening, except during concrete driveway paving and concrete sidewalk construction across a driveway. Contractor is to be aware of residents with special needs and provide accommodation accordingly.

If Contractor's work is anticipated to obstruct access to a facility, Contractor is responsible for notifying the affected property 48 hours in advance.

Temporary aggregate material for maintaining access to driveways and streets shall be paid for as AGGREGATE FOR TEMPORARY ACCESS.

Method of Measurement and Basis of Payment. This work shall be measured and paid for at the contract lump sum price for TRAFFIC CONTROL AND PROTECTION which price shall include all labor, materials and equipment required to complete the work as specified.

The contract lump sum price for TRAFFIC CONTROL AND PROTECTION must not be more than 5% of the Contract price.

APPENDIX 1:

- INDEX FOR SUPPLEMENTAL AND RECURRING SPECIAL PROVISIONS
- CHECK SHEET FOR RECURRING SPECIAL PROVISIONS
- CHECK SHEET FOR LOCAL & STREETS RECURRING SPECIAL PROVISIONS
- BDE SPECIAL PROVISIONS
- LOCAL ROADS SPECIAL PROVISION FOR INSURANCE
- LOCAL ROADS SPECIAL PROVISION FOR EQUIPMENT RENTAL RATES
- DUPAGE COUNTY PREVAILING WAGES

NOT FOR BID

INDEX
FOR
SUPPLEMENTAL SPECIFICATIONS
AND RECURRING SPECIAL PROVISIONS

Adopted January 1, 2020

This index contains a listing of SUPPLEMENTAL SPECIFICATIONS, frequently used RECURRING SPECIAL PROVISIONS, and LOCAL ROADS AND STREETS RECURRING SPECIAL PROVISIONS.

ERRATA Standard Specifications for Road and Bridge Construction
(Adopted 4-1-16) (Revised 1-1-20)

SUPPLEMENTAL SPECIFICATIONS

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109 Measurement and Payment	3
205 Embankment	4
403 Bituminous Surface Treatment (Class A-1, A-2, A-3)	5
404 Micro-Surfacing and Slurry Sealing	6
405 Cape Seal	17
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NOT FOR BID



Local Public Agency	County	Section Number
Villa Park	DuPage	

Check this box for lettings prior to 01/01/2021.

The Following Recurring Special Provisions Indicated By An "X" Are Applicable To This Contract And Are Included By Reference:

Recurring Special Provisions

Check Sheet #		Page No.
1	<input type="checkbox"/> Additional State Requirements for Federal-Aid Construction Contracts	97
2	<input type="checkbox"/> Subletting of Contracts (Federal-Aid Contracts)	100
3	<input type="checkbox"/> EEO	101
4	<input type="checkbox"/> Specific EEO Responsibilities Non Federal-Aid Contracts	111
5	<input type="checkbox"/> Required Provisions - State Contracts	116
6	<input type="checkbox"/> Asbestos Bearing Pad Removal	122
7	<input type="checkbox"/> Asbestos Waterproofing Membrane and Asbestos HMA Surface Removal	123
8	<input type="checkbox"/> Temporary Stream Crossings and In-Stream Work Pads	124
9	<input type="checkbox"/> Construction Layout Stakes Except for Bridges	125
10	<input type="checkbox"/> Construction Layout Stakes	128
11	<input type="checkbox"/> Use of Geotextile Fabric for Railroad Crossing	131
12	<input type="checkbox"/> Subsealing of Concrete Pavements	133
13	<input type="checkbox"/> Hot-Mix Asphalt Surface Correction	137
14	<input type="checkbox"/> Pavement and Shoulder Resurfacing	139
15	<input type="checkbox"/> Patching with Hot-Mix Asphalt Overlay Removal	140
16	<input type="checkbox"/> Polymer Concrete	142
17	<input type="checkbox"/> PVC Pipeliner	144
18	<input type="checkbox"/> Bicycle Racks	145
19	<input type="checkbox"/> Temporary Portable Bridge Traffic Signals	147
20	Reserved	149
21	<input type="checkbox"/> Nighttime Inspection of Roadway Lighting	150
22	<input type="checkbox"/> English Substitution of Metric Bolts	151
23	<input type="checkbox"/> Calcium Chloride Accelerator for Portland Cement Concrete	152
24	<input type="checkbox"/> Quality Control of Concrete Mixtures at the Plant	153
25	<input type="checkbox"/> Quality Control/Quality Assurance of Concrete Mixtures	161
26	<input type="checkbox"/> Digital Terrain Modeling for Earthwork Calculations	177
27	Reserved	179
28	<input type="checkbox"/> Preventive Maintenance - Bituminous Surface Treatment (A-1)	180
29	Reserved	186
30	Reserved	187
31	Reserved	188
32	<input type="checkbox"/> Temporary Raised Pavement Markers	189
33	<input type="checkbox"/> Restoring Bridge Approach Pavements Using High-Density Foam	190
34	<input type="checkbox"/> Portland Cement Concrete Inlay or Overlay	193
35	<input type="checkbox"/> Portland Cement Concrete Partial Depth Hot-Mix Asphalt Patching	197
36	<input type="checkbox"/> Longitudinal Joint and Crack Patching	200
37	<input type="checkbox"/> Concrete Mix Design - Department Provided	202

Local Public Agency

County

Section Number

Villa Park

DuPage

The Following Local Roads And Streets Recurring Special Provisions Indicated By An "X" Are Applicable To This Contract And Are Included By Reference:

Local Roads And Streets Recurring Special Provisions

<u>Check Sheet #</u>		<u>Page No.</u>
LRS 1	Reserved	204
LRS 2	<input type="checkbox"/> Furnished Excavation	205
LRS 3	<input type="checkbox"/> Work Zone Traffic Control Surveillance	206
LRS 4	<input type="checkbox"/> Flaggers in Work Zones	207
LRS 5	<input type="checkbox"/> Contract Claims	208
LRS 6	<input type="checkbox"/> Bidding Requirements and Conditions for Contract Proposals	209
LRS 7	<input type="checkbox"/> Bidding Requirements and Conditions for Material Proposals	215
LRS 8	Reserved	221
LRS 9	<input type="checkbox"/> Bituminous Surface Treatments	222
LRS 10	Reserved	223
LRS 11	<input type="checkbox"/> Employment Practices	224
LRS 12	<input type="checkbox"/> Wages of Employees on Public Works	226
LRS 13	<input type="checkbox"/> Selection of Labor	228
LRS 14	<input type="checkbox"/> Paving Brick and Concrete Paver Pavements and Sidewalks	229
LRS 15	<input type="checkbox"/> Partial Payments	232
LRS 16	<input type="checkbox"/> Protests on Local Lettings	233
LRS 17	<input type="checkbox"/> Substance Abuse Prevention Program	234
LRS 18	<input type="checkbox"/> Multigrade Cold Mix Asphalt	235

BDE SPECIAL PROVISIONS
For the January 15 and March 5, 2021 Lettings

The following special provisions indicated by a "check mark" are applicable to this contract and will be included by the Project Coordination and Implementation Section of the BD&E. An * indicates a new or revised special provision for the letting.

File Name	#		Special Provision Title	Effective	Revised
80099	1	<input type="checkbox"/>	Accessible Pedestrian Signals (APS)	April 1, 2003	April 1, 2020
80274	2	<input type="checkbox"/>	Aggregate Subgrade Improvement	April 1, 2012	April 1, 2016
80192	3	<input type="checkbox"/>	Automated Flagger Assistance Device	Jan. 1, 2008	
80173	4	<input type="checkbox"/>	Bituminous Materials Cost Adjustments	Nov. 2, 2006	Aug. 1, 2017
80426	5	<input type="checkbox"/>	Bituminous Surface Treatment with Fog Seal	Jan. 1, 2020	
80241	6	<input type="checkbox"/>	Bridge Demolition Debris	July 1, 2009	
50261	7	<input type="checkbox"/>	Building Removal-Case I (Non-Friable and Friable Asbestos)	Sept. 1, 1990	April 1, 2010
50481	8	<input type="checkbox"/>	Building Removal-Case II (Non-Friable Asbestos)	Sept. 1, 1990	April 1, 2010
50491	9	<input type="checkbox"/>	Building Removal-Case III (Friable Asbestos)	Sept. 1, 1990	April 1, 2010
50531	10	<input type="checkbox"/>	Building Removal-Case IV (No Asbestos)	Sept. 1, 1990	April 1, 2010
*	80425	<input type="checkbox"/>	Cape Seal	Jan. 1, 2020	Jan. 1, 2021
80384	12	<input type="checkbox"/>	Compensable Delay Costs	June 2, 2017	April 1, 2019
80198	13	<input type="checkbox"/>	Completion Date (via calendar days)	April 1, 2008	
80199	14	<input type="checkbox"/>	Completion Date (via calendar days) Plus Working Days	April 1, 2008	
80293	15	<input type="checkbox"/>	Concrete Box Culverts with Skews > 30 Degrees and Design Fills ≤ 5 Feet	April 1, 2012	July 1, 2016
80311	16	<input type="checkbox"/>	Concrete End Sections for Pipe Culverts	Jan. 1, 2013	April 1, 2016
80261	17	<input type="checkbox"/>	Construction Air Quality – Diesel Retrofit	June 1, 2010	Nov. 1, 2014
80387	18	<input type="checkbox"/>	Contrast Preformed Plastic Pavement Marking	Nov. 1, 2017	
*	80434	<input type="checkbox"/>	Corrugated Plastic Pipe (Culvert and Storm Sewer)	Jan. 1, 2021	
80029	20	<input type="checkbox"/>	Disadvantaged Business Enterprise Participation	Sept. 1, 2000	March 2, 2019
80402	21	<input type="checkbox"/>	Disposal Fees	Nov. 1, 2018	
80378	22	<input type="checkbox"/>	Dowel Bar Inserter	Jan. 1, 2017	Jan. 1, 2018
80421	23	<input type="checkbox"/>	Electric Service Installation	Jan. 1, 2020	
80415	24	<input type="checkbox"/>	Emulsified Asphalts	Aug. 1, 2019	
80423	25	<input type="checkbox"/>	Engineer's Field Office and Laboratory	Jan. 1, 2020	
80229	26	<input type="checkbox"/>	Fuel Cost Adjustment	April 1, 2009	Aug. 1, 2017
80417	27	<input type="checkbox"/>	Geotechnical Fabric for Pipe Underdrains and French Drains	Nov. 1, 2019	
80420	28	<input type="checkbox"/>	Geotextile Retaining Walls	Nov. 1, 2019	
*	80433	<input type="checkbox"/>	Green Preformed Thermoplastic Pavement Markings	Jan. 1, 2021	
80304	30	<input type="checkbox"/>	Grooving for Recessed Pavement Markings	Nov. 1, 2012	Nov. 1, 2020
80422	31	<input type="checkbox"/>	High Tension Cable Median Barrier	Jan. 1, 2020	Nov. 1, 2020
80416	32	<input type="checkbox"/>	Hot-Mix Asphalt – Binder and Surface Course	July 2, 2019	Nov. 1, 2019
80398	33	<input type="checkbox"/>	Hot-Mix Asphalt – Longitudinal Joint Sealant	Aug. 1, 2018	Nov. 1, 2019
*	80406	<input type="checkbox"/>	Hot-Mix Asphalt – Mixture Design Verification and Production (Modified for I-FIT)	Jan. 1, 2019	Jan. 1, 2021
80347	35	<input type="checkbox"/>	Hot-Mix Asphalt – Pay for Performance Using Percent Within Limits – Jobsite Sampling	Nov. 1, 2014	July 2, 2019
80383	36	<input type="checkbox"/>	Hot-Mix Asphalt – Quality Control for Performance	April 1, 2017	July 2, 2019
80411	37	<input type="checkbox"/>	Luminaires, LED	April 1, 2019	
80393	38	<input type="checkbox"/>	Manholes, Valve Vaults, and Flat Slab Tops	Jan. 1, 2018	March 1, 2019
80045	39	<input type="checkbox"/>	Material Transfer Device	June 15, 1999	Aug. 1, 2014
80418	40	<input type="checkbox"/>	Mechanically Stabilized Earth Retaining Walls	Nov. 1, 2019	Nov. 1, 2020
*	80424	<input type="checkbox"/>	Micro-Surfacing and Slurry Sealing	Jan. 1, 2020	Jan. 1, 2021
80428	42	<input type="checkbox"/>	Mobilization	April 1, 2020	
80412	43	<input type="checkbox"/>	Obstruction Warning Luminaires, LED	Aug. 1, 2019	
80430	44	<input type="checkbox"/>	Portland Cement Concrete – Haul Time	July 1, 2020	
80359	45	<input type="checkbox"/>	Portland Cement Concrete Bridge Deck Curing	April 1, 2015	Nov. 1, 2019
80431	46	<input type="checkbox"/>	Portland Cement Concrete Pavement Patching	July 1, 2020	

80432	47	<input type="checkbox"/>	Portland Cement Concrete Pavement Placement	July 1, 2020	
80300	48	<input type="checkbox"/>	Preformed Plastic Pavement Marking Type D - Inlaid	April 1, 2012	April 1, 2016
34261	49	<input type="checkbox"/>	Railroad Protective Liability Insurance	Dec. 1, 1986	Jan. 1, 2006
80157	50	<input type="checkbox"/>	Railroad Protective Liability Insurance (5 and 10)	Jan. 1, 2006	
* 80306	51	<input type="checkbox"/>	Reclaimed Asphalt Pavement (RAP) and Reclaimed Asphalt Shingles (RAS)	Nov. 1, 2012	Jan. 1, 2021
80407	52	<input type="checkbox"/>	Removal and Disposal of Regulated Substances	Jan. 1, 2019	Jan. 1, 2020
80419	53	<input type="checkbox"/>	Silt Fence, Inlet Filters, Ground Stabilization and Riprap Filter Fabric	Nov. 1, 2019	April 1, 2020
80395	54	<input type="checkbox"/>	Sloped Metal End Section for Pipe Culverts	Jan. 1, 2018	
80340	55	<input type="checkbox"/>	Speed Display Trailer	April 2, 2014	Jan. 1, 2017
80127	56	<input type="checkbox"/>	Steel Cost Adjustment	April 2, 2004	Aug. 1, 2017
80408	57	<input type="checkbox"/>	Steel Plate Beam Guardrail Manufacturing	Jan. 1, 2019	
80413	58	<input type="checkbox"/>	Structural Timber	Aug. 1, 2019	
80397	59	<input type="checkbox"/>	Subcontractor and DBE Payment Reporting	April 2, 2018	
80391	60	<input type="checkbox"/>	Subcontractor Mobilization Payments	Nov. 2, 2017	April 1, 2019
* 80435	61	<input type="checkbox"/>	Surface Testing of Pavements – IRI	Jan. 1, 2021	
80298	62	<input type="checkbox"/>	Temporary Pavement Marking	April 1, 2012	April 1, 2017
80409	63	<input type="checkbox"/>	Traffic Control Devices - Cones	Jan. 1, 2019	
80410	64	<input type="checkbox"/>	Traffic Spotters	Jan. 1, 2019	
20338	65	<input type="checkbox"/>	Training Special Provisions	Oct. 15, 1975	
80318	66	<input type="checkbox"/>	Traversable Pipe Grate for Concrete End Sections	Jan. 1, 2013	Jan. 1, 2018
80429	67	<input type="checkbox"/>	Ultra-Thin Bonded Wearing Course	April 1, 2020	
80288	68	<input type="checkbox"/>	Warm Mix Asphalt	Jan. 1, 2012	April 1, 2016
80302	69	<input type="checkbox"/>	Weekly DBE Trucking Reports	June 2, 2012	April 2, 2015
80414	70	<input type="checkbox"/>	Wood Fence Sight Screen	Aug. 1, 2019	April 1, 2020
80427	71	<input type="checkbox"/>	Work Zone Traffic Control Devices	Mar. 2, 2020	
80071	72	<input type="checkbox"/>	Working Days	Jan. 1, 2002	

The following special provisions are in the 2021 Supplemental Specifications and Recurring Special Provisions.

<u>File Name</u>	<u>Special Provision Title</u>	<u>New Location(s)</u>	<u>Effective</u>	<u>Revised</u>
80277	Concrete Mix Design – Department Provided	Check Sheet #37	Jan. 1, 2012	April 1, 2016
80405	Elastomeric Bearings	Article 1083.01	Jan. 1, 2019	
80388	Equipment Parking and Storage	Article 701.11	Nov. 1, 2017	
80165	Moisture Cured Urethane Paint System	Article 1008.06	Nov. 1, 2006	Jan. 1, 2010
80349	Pavement Marking Blackout Tape	Articles 701.04, 701.19(f), 701.20(j) and 1095.06	Nov. 1, 2014	April 1, 2016
80371	Pavement Marking Removal	Articles 783.02-783.04, 783.06 and 1101.13	July 1, 2016	
80389	Portland Cement Concrete	Article 1020.04 Table 1 and Note 4	Nov. 1, 2017	
80403	Traffic Barrier Terminal, Type 1 Special	Articles 631.04 and 631.12	Nov. 1, 2018	

The following special provisions have been deleted from use.

<u>File Name</u>	<u>Special Provision Title</u>	<u>Effective</u>	<u>Revised</u>
80317	Surface Testing of Hot-Mix Asphalt Overlays	Jan. 1, 2013	Aug. 1, 2019

The following special provisions require additional information from the designer. The additional information needs to be submitted as a separate document. The Project Coordination and Implementation section will then include the information in the applicable special provision.

- Bridge Demolition Debris
- Building Removal - Case I
- Building Removal – Case II
- Building Removal - Case III
- Building Removal-Case IV
- Completion Date
- Completion Date Plus Working Days
- DBE Participation
- Material Transfer Device
- Railroad Protective Liability Insurance
- Training Special Provisions
- Working Days

State of Illinois
Department of Transportation
Bureau of Local Roads and Streets

SPECIAL PROVISION
FOR
INSURANCE

Effective: February 1, 2007
Revised: August 1, 2007

All references to Sections or Articles in this specification shall be construed to mean specific Section or Article of the Standard Specifications for Road and Bridge Construction, adopted by the Department of Transportation.

The Contractor shall name the following entities as additional insured under the Contractor's general liability insurance policy in accordance with Article 107.27:

The entities listed above and their officers, employees, and agents shall be indemnified and held harmless in accordance with Article 107.26.

State of Illinois
Department of Transportation
Bureau of Local Roads and Streets

SPECIAL PROVISION
FOR
EQUIPMENT RENTAL RATES

Effective: January 1, 2012

All references to Sections or Articles in this specification shall be construed to mean a specific Section or Article of the Standard Specifications for Road and Bridge Construction, adopted by the Department of Transportation.

Replace Article 109.04(b)(4) with the following:

- "(4) Equipment. For any machinery or special equipment (other than small tools) the use of which has been authorized by the Engineer, the Contractor will be paid according to the latest revision of "SCHEDULE OF AVERAGE ANNUAL EQUIPMENT OWNERSHIP EXPENSE" and latest index factor as issued by the Illinois Department of Transportation. The equipment should be of a type and size reasonably required to complete the extra work."

DuPage County Prevailing Wage Rates posted on 3/3/2020

Trade Title	Rg	Type	C	Base	Foreman	Overtime				H/W	Pension	Vac	Trng	Other Ins
						M-F	Sa	Su	Hol					
ASBESTOS ABT-GEN	All	ALL		43.72	44.72	1.5	1.5	2.0	2.0	14.99	13.61	0.00	0.90	
ASBESTOS ABT-MEC	All	BLD		37.88	40.38	1.5	1.5	2.0	2.0	13.42	12.20	0.00	0.72	
BOILERMAKER	All	BLD		50.51	55.05	2.0	2.0	2.0	2.0	6.97	14.65	0.00	1.10	
BRICK MASON	All	BLD		46.88	51.57	1.5	1.5	2.0	2.0	10.85	19.31	0.00	0.95	
CARPENTER	All	ALL		48.55	50.55	1.5	1.5	2.0	2.0	11.79	21.84	0.00	0.73	
CEMENT MASON	All	ALL		46.25	48.25	2.0	1.5	2.0	2.0	14.50	19.04	0.00	1.25	
CERAMIC TILE FINISHER	All	BLD		40.56	40.56	1.5	1.5	2.0	2.0	11.00	12.80	0.00	0.86	
COMMUNICATION TECHNICIAN	All	BLD		34.25	37.05	1.5	1.5	2.0	2.0	12.35	21.78	2.21	0.68	
ELECTRIC PWR EQMT OP	All	ALL		43.71	59.52	1.5	1.5	2.0	2.0	6.00	13.55	0.00	0.77	1.31
ELECTRIC PWR EQMT OP	All	HWY		41.45	56.38	1.5	1.5	2.0	2.0	5.50	12.87	0.00	0.73	
ELECTRIC PWR GRNDMAN	All	ALL		33.69	59.52	1.5	1.5	2.0	2.0	6.00	10.44	0.00	0.59	1.01
ELECTRIC PWR GRNDMAN	All	HWY		32.00	56.38	1.5	1.5	2.0	2.0	5.50	9.92	0.00	0.66	
ELECTRIC PWR LINEMAN	All	ALL		52.44	59.52	1.5	1.5	2.0	2.0	6.00	16.27	0.00	0.93	1.58
ELECTRIC PWR LINEMAN	All	HWY		49.67	56.38	1.5	1.5	2.0	2.0	5.50	15.40	0.00	0.88	
ELECTRIC PWR TRK DRV	All	ALL		34.90	59.52	1.5	1.5	2.0	2.0	6.00	10.83	0.00	0.62	1.05
ELECTRIC PWR TRK DRV	All	HWY		33.14	56.38	1.5	1.5	2.0	2.0	5.50	10.29	0.00	0.59	
ELECTRICIAN	All	BLD		41.00	45.00	1.5	1.5	2.0	2.0	12.35	24.58	5.72	0.75	
ELEVATOR CONSTRUCTOR	All	BLD		56.61	63.69	2.0	2.0	2.0	2.0	15.58	17.51	4.53	0.62	
FENCE ERECTOR	NE	ALL		42.88	44.88	1.5	1.5	2.0	2.0	13.64	14.89	0.00	0.65	
FENCE ERECTOR	W	ALL		47.00	50.76	2.0	2.0	2.0	2.0	12.26	23.65	0.00	0.88	
GLAZIER	All	BLD		44.85	46.35	1.5	2.0	2.0	2.0	14.49	22.29	0.00	0.94	
HEAT/FROST INSULATOR	All	BLD		50.50	53.00	1.5	1.5	2.0	2.0	13.42	13.66	0.00	0.72	
IRON WORKER	E	ALL		47.00	50.76	2.0	2.0	2.0	2.0	12.26	23.65	0.00	0.88	
IRON WORKER	W	ALL		47.00	50.76	2.0	2.0	2.0	2.0	12.26	23.65	0.00	0.88	
LABORER	All	ALL		43.72	44.47	1.5	1.5	2.0	2.0	14.99	13.61	0.00	0.90	
LATHER	All	ALL		48.55	50.55	1.5	1.5	2.0	2.0	11.79	21.84	0.00	0.73	
MACHINIST	All	BLD		48.93	51.43	1.5	1.5	2.0	2.0	7.68	8.95	1.85	1.32	
MARBLE FINISHER	All	ALL		35.15	48.33	1.5	1.5	2.0	2.0	10.85	17.66	0.00	0.52	
MARBLE MASON	All	BLD		46.03	50.63	1.5	1.5	2.0	2.0	10.85	18.78	0.00	0.64	
MATERIAL TESTER I	All	ALL		33.72		1.5	1.5	2.0	2.0	14.99	13.61	0.00	0.90	
MATERIALS TESTER II	All	ALL		38.72		1.5	1.5	2.0	2.0	14.99	13.61	0.00	0.90	

MILLWRIGHT	All	ALL		48.55	50.55	1.5	1.5	2.0	2.0	11.79	21.84	0.00	0.73	
OPERATING ENGINEER	All	BLD	1	51.10	55.10	2.0	2.0	2.0	2.0	20.50	16.85	2.00	1.65	
OPERATING ENGINEER	All	BLD	2	49.80	55.10	2.0	2.0	2.0	2.0	20.50	16.85	2.00	1.65	
OPERATING ENGINEER	All	BLD	3	47.25	55.10	2.0	2.0	2.0	2.0	20.50	16.85	2.00	1.65	
OPERATING ENGINEER	All	BLD	4	45.50	55.10	2.0	2.0	2.0	2.0	20.50	16.85	2.00	1.65	
OPERATING ENGINEER	All	BLD	5	54.85	55.10	2.0	2.0	2.0	2.0	20.50	16.85	2.00	1.65	
OPERATING ENGINEER	All	BLD	6	52.10	55.10	2.0	2.0	2.0	2.0	20.50	16.85	2.00	1.65	
OPERATING ENGINEER	All	BLD	7	54.10	55.10	2.0	2.0	2.0	2.0	20.50	16.85	2.00	1.65	
OPERATING ENGINEER	All	FLT		38.00	38.00	1.5	1.5	2.0	2.0	19.65	15.10	2.00	1.40	
OPERATING ENGINEER	All	HWY	1	49.30	53.30	1.5	1.5	2.0	2.0	20.50	16.85	2.00	1.65	
OPERATING ENGINEER	All	HWY	2	48.75	53.30	1.5	1.5	2.0	2.0	20.50	16.85	2.00	1.65	
OPERATING ENGINEER	All	HWY	3	46.70	53.30	1.5	1.5	2.0	2.0	20.50	16.85	2.00	1.65	
OPERATING ENGINEER	All	HWY	4	45.30	53.30	1.5	1.5	2.0	2.0	20.50	16.85	2.00	1.65	
OPERATING ENGINEER	All	HWY	5	44.10	53.30	1.5	1.5	2.0	2.0	20.50	16.85	2.00	1.65	
OPERATING ENGINEER	All	HWY	6	52.30	53.30	1.5	1.5	2.0	2.0	20.50	16.85	2.00	1.65	
OPERATING ENGINEER	All	HWY	7	50.30	53.30	1.5	1.5	2.0	2.0	20.50	16.85	2.00	1.65	
ORNAMENTAL IRON WORKER	E	ALL		50.05	52.55	2.0	2.0	2.0	2.0	14.14	21.13	0.00	1.25	
ORNAMENTAL IRON WORKER	W	ALL		45.06	48.66	2.0	2.0	2.0	2.0	10.52	20.76	0.00	0.70	
PAINTER	All	ALL		47.30	49.30	1.5	1.5	1.5	2.0	12.43	8.65	0.00	1.45	
PAINTER - SIGNS	All	BLD		39.84	44.74	1.5	1.5	2.0	2.0	2.73	3.39	0.00	0.00	
PILEDRIIVER	All	ALL		48.55	50.55	1.5	1.5	2.0	2.0	11.79	21.84	0.00	0.73	
PIPEFITTER	All	BLD		49.60	52.60	1.5	1.5	2.0	2.0	10.75	19.85	0.00	2.67	
PLASTERER	All	BLD		46.75	49.56	1.5	1.5	2.0	2.0	10.85	19.01	0.00	0.95	
PLUMBER	All	BLD		51.00	54.05	1.5	1.5	2.0	2.0	15.37	14.75	0.00	1.35	
ROOFER	All	BLD		44.60	48.60	1.5	1.5	2.0	2.0	10.58	13.31	0.00	0.70	
SHEETMETAL WORKER	All	BLD		49.07	51.52	1.5	1.5	2.0	2.0	10.85	17.51	0.00	0.96	2.32
SPRINKLER FITTER	All	BLD		50.15	52.65	1.5	1.5	2.0	2.0	13.50	16.60	0.00	0.65	
STEEL ERECTOR	E	ALL		47.00	50.76	2.0	2.0	2.0	2.0	12.26	23.65	0.00	0.88	
STEEL ERECTOR	W	ALL		45.06	48.66	2.0	2.0	2.0	2.0	10.52	20.76	0.00	0.70	
STONE MASON	All	BLD		46.88	51.57	1.5	1.5	2.0	2.0	10.85	19.31	0.00	0.95	
TERRAZZO FINISHER	All	BLD		42.54	42.54	1.5	1.5	2.0	2.0	11.00	14.64	0.00	0.88	
TERRAZZO MASON	All	BLD		46.38	49.88	1.5	1.5	2.0	2.0	11.00	16.09	0.00	0.93	
TILE MASON	All	BLD		47.50	51.50	1.5	1.5	2.0	2.0	11.00	16.06	0.00	0.93	
TRAFFIC SAFETY WORKER	All	HWY		37.75	39.35	1.5	1.5	2.0	2.0	9.30	9.87	0.00	0.30	
TRUCK DRIVER	All	ALL	1	37.61	38.16	1.5	1.5	2.0	2.0	9.08	11.36	0.00	0.15	
TRUCK DRIVER	All	ALL	2	37.76	38.16	1.5	1.5	2.0	2.0	9.08	11.36	0.00	0.15	

TRUCK DRIVER	All	ALL	3	37.96	38.16	1.5	1.5	2.0	2.0	9.08	11.36	0.00	0.15	
TRUCK DRIVER	All	ALL	4	38.16	38.16	1.5	1.5	2.0	2.0	9.08	11.36	0.00	0.15	
TUCKPOINTER	All	BLD		46.50	47.50	1.5	1.5	2.0	2.0	8.34	18.40	0.00	0.93	

Legend

Rg Region

Type Trade Type - All,Highway,Building,Floating,Oil & Chip,Rivers

C Class

Base Base Wage Rate

OT M-F Unless otherwise noted, OT pay is required for any hour greater than 8 worked each day, Mon through Fri. The number listed is the multiple of the base wage.

OT Sa Overtime pay required for every hour worked on Saturdays

OT Su Overtime pay required for every hour worked on Sundays

OT Hol Overtime pay required for every hour worked on Holidays

H/W Health/Welfare benefit

Vac Vacation

Trng Training

Other Ins Employer hourly cost for any other type(s) of insurance provided for benefit of worker.

Explanations DUPAGE COUNTY

IRON WORKERS AND FENCE ERECTOR (WEST) - West of Route 53.

The following list is considered as those days for which holiday rates of wages for work performed apply: New Years Day, Memorial Day, Fourth of July, Labor Day, Thanksgiving Day, Christmas Day and Veterans Day in some classifications/counties. Generally, any of these holidays which fall on a Sunday is celebrated on the following Monday. This then makes work performed on that Monday payable at the appropriate overtime rate for holiday pay. Common practice in a given local may alter certain days of celebration. If in doubt, please check with IDOL.

EXPLANATION OF CLASSES

ASBESTOS - GENERAL - removal of asbestos material/mold and hazardous materials from any place in a building, including mechanical systems where those mechanical systems are to be removed. This includes the removal of asbestos materials/mold and hazardous materials from ductwork or pipes in a building when the building is to be demolished at the time or at some close future date.

ASBESTOS - MECHANICAL - removal of asbestos material from mechanical systems, such as pipes, ducts, and boilers, where the mechanical systems are to remain.

TRAFFIC SAFETY

Effective November 30, 2018, the description of the traffic safety worker trade in this County is as follows: Work associated with barricades, horses and drums used to reduce lane usage on highway work, the installation and removal of temporary, non-temporary or permanent lane, pavement or roadway markings, and the installation and removal of temporary road signs.

CERAMIC TILE FINISHER

The grouting, cleaning, and polishing of all classes of tile, whether for interior or exterior purposes, all burned, glazed or unglazed

products; all composition materials, granite tiles, warning detectable tiles, cement tiles, epoxy composite materials, pavers, glass, mosaics, fiberglass, and all substitute materials, for tile made in tile-like units; all mixtures in tile like form of cement, metals, and other materials that are for and intended for use as a finished floor surface, stair treads, promenade roofs, walks, walls, ceilings, swimming pools, and all other places where tile is to form a finished interior or exterior. The mixing of all setting mortars including but not limited to thin-set mortars, epoxies, wall mud, and any other sand and cement mixtures or adhesives when used in the preparation, installation, repair, or maintenance of tile and/or similar materials. The handling and unloading of all sand, cement, lime, tile, fixtures, equipment, adhesives, or any other materials to be used in the preparation, installation, repair, or maintenance of tile and/or similar materials. Ceramic Tile Finishers shall fill all joints and voids regardless of method on all tile work, particularly and especially after installation of said tile work. Application of any and all protective coverings to all types of tile installations including, but not be limited to, all soap compounds, paper products, tapes, and all polyethylene coverings, plywood, masonite, cardboard, and any new type of products that may be used to protect tile installations, Blastrac equipment, and all floor scarifying equipment used in preparing floors to receive tile. The clean up and removal of all waste and materials. All demolition of existing tile floors and walls to be re-tiled.

COMMUNICATIONS TECHNICIAN

Low voltage installation, maintenance and removal of telecommunication facilities (voice, sound, data and video) including telephone and data inside wire, interconnect, terminal equipment, central offices, PABX, fiber optic cable and equipment, micro waves, V-SAT, bypass, CATV, WAN (wide area networks), LAN (local area networks), and ISDN (integrated system digital network), pulling of wire in raceways, but not the installation of raceways.

MARBLE FINISHER

Loading and unloading trucks, distribution of all materials (all stone, sand, etc.), stocking of floors with material, performing all rigging for heavy work, the handling of all material that may be needed for the installation of such materials, building of scaffolding, polishing if needed, patching, waxing of material if damaged, pointing up, caulking, grouting and cleaning of marble, holding water on diamond or Carborundum blade or saw for setters cutting, use of tub saw or any other saw needed for preparation of material, drilling of holes for wires that anchor material set by setters, mixing up of molding plaster for installation of material, mixing up thin set for the installation of material, mixing up of sand to cement for the installation of material and such other work as may be required in helping a Marble Setter in the handling of all material in the erection or installation of interior marble, slate, travertine, art marble, serpentine, alberene stone, blue stone, granite and other stones (meaning as to stone any foreign or domestic materials as are specified and used in building interiors and exteriors and customarily known as stone in the trade), carrara, sanionyx, vitrolite and similar opaque glass and the laying of all marble tile, terrazzo tile, slate tile and precast tile, steps, risers treads, base, or any other materials that may be used as substitutes for any of the aforementioned materials and which are used on interior and exterior which are installed in a similar manner.

MATERIAL TESTER I: Hand coring and drilling for testing of materials; field inspection of uncured concrete and asphalt.

MATERIAL TESTER II: Field inspection of welds, structural steel, fireproofing, masonry, soil, facade, reinforcing steel, formwork, cured concrete, and concrete and asphalt batch plants; adjusting proportions of bituminous mixtures.

OPERATING ENGINEER - BUILDING

Class 1. Asphalt Plant; Asphalt Spreader; Autograde; Backhoes with Caisson Attachment; Batch Plant; Benoto (requires Two Engineers); Boiler and Throttle Valve; Caisson Rigs; Central Redi-Mix Plant; Combination Back Hoe Front End-loader Machine; Compressor and Throttle Valve; Concrete Breaker (Truck Mounted); Concrete Conveyor; Concrete Conveyor (Truck Mounted); Concrete Paver Over 27E cu. ft; Concrete Paver 27E cu. ft. and Under; Concrete Placer; Concrete Placing Boom; Concrete Pump (Truck Mounted); Concrete Tower; Cranes, All; Cranes, Hammerhead; Cranes, (GCI and similar Type); Creter Crane; Spider Crane; Crusher, Stone, etc.; Derricks, All; Derricks, Traveling; Formless Curb and Gutter Machine; Grader, Elevating; Grouting Machines; Heavy Duty Self-Propelled Transporter or Prime Mover; Highlift Shovels or Front Endloader 2-1/4 yd. and over; Hoists, Elevators,

outside type rack and pinion and similar machines; Hoists, One, Two and Three Drum; Hoists, Two Tugger One Floor; Hydraulic Backhoes; Hydraulic Boom Trucks; Hydro Vac (and similar equipment); Locomotives, All; Motor Patrol; Lubrication Technician; Manipulators; Pile Drivers and Skid Rig; Post Hole Digger; Pre-Stress Machine; Pump Cretes Dual Ram; Pump Cretes: Squeeze Cretes-Screw Type Pumps; Gypsum Bulker and Pump; Raised and Blind Hole Drill; Roto Mill Grinder; Scoops - Tractor Drawn; Slip-Form Paver; Straddle Buggies; Operation of Tie Back Machine; Tournapull; Tractor with Boom and Side Boom; Trenching Machines.

Class 2. Boilers; Broom, All Power Propelled; Bulldozers; Concrete Mixer (Two Bag and Over); Conveyor, Portable; Forklift Trucks; Highlift Shovels or Front Endloaders under 2-1/4 yd.; Hoists, Automatic; Hoists, Inside Elevators; Hoists, Sewer Dragging Machine; Hoists, Tugger Single Drum; Laser Screed; Rock Drill (Self-Propelled); Rock Drill (Truck Mounted); Rollers, All; Steam Generators; Tractors, All; Tractor Drawn Vibratory Roller; Winch Trucks with "A" Frame.

Class 3. Air Compressor; Combination Small Equipment Operator; Generators; Heaters, Mechanical; Hoists, Inside Elevators (remodeling or renovation work); Hydraulic Power Units (Pile Driving, Extracting, and Drilling); Pumps, over 3" (1 to 3 not to exceed a total of 300 ft.); Low Boys; Pumps, Well Points; Welding Machines (2 through 5); Winches, 4 Small Electric Drill Winches.

Class 4. Bobcats and/or other Skid Steer Loaders; Oilers; and Brick Forklift.

Class 5. Assistant Craft Foreman.

Class 6. Gradall.

Class 7. Mechanics; Welders.

OPERATING ENGINEERS - HIGHWAY CONSTRUCTION

Class 1. Asphalt Plant; Asphalt Heater and Planer Combination; Asphalt Heater Scarfire; Asphalt Spreader; Autograder/GOMACO or other similar type machines: ABG Paver; Backhoes with Caisson Attachment; Ballast Regulator; Belt Loader; Caisson Rigs; Car Dumper; Central Redi-Mix Plant; Combination Backhoe Front Endloader Machine, (1 cu. yd. Backhoe Bucket or over or with attachments); Concrete Breaker (Truck Mounted); Concrete Conveyor; Concrete Paver over 27E cu. ft.; Concrete Placer; Concrete Tube Float; Cranes, all attachments; Cranes, Tower Cranes of all types; Creter Crane: Spider Crane; Crusher, Stone, etc.; Derricks, All; Derrick Boats; Derricks, Traveling; Dredges; Elevators, Outside type Rack & Pinion and Similar Machines; Formless Curb and Gutter Machine; Grader, Elevating; Grader, Motor Grader, Motor Patrol, Auto Patrol, Form Grader, Pull Grader, Subgrader; Guard Rail Post Driver Truck Mounted; Hoists, One, Two and Three Drum; Heavy Duty Self-Propelled Transporter or Prime Mover; Hydraulic Backhoes; Backhoes with shear attachments up to 40' of boom reach; Lubrication Technician; Manipulators; Mucking Machine; Pile Drivers and Skid Rig; Pre-Stress Machine; Pump Cretes Dual Ram; Rock Drill - Crawler or Skid Rig; Rock Drill - Truck Mounted; Rock/Track Tamper; Roto Mill Grinder; Slip-Form Paver; Snow Melters; Soil Test Drill Rig (Truck Mounted); Straddle Buggies; Hydraulic Telescoping Form (Tunnel); Operation of Tieback Machine; Tractor Drawn Belt Loader; Tractor Drawn Belt Loader (with attached pusher - two engineers); Tractor with Boom; Tractaire with Attachments; Traffic Barrier Transfer Machine; Trenching; Truck Mounted Concrete Pump with Boom; Raised or Blind Hole Drills (Tunnel Shaft); Underground Boring and/or Mining Machines 5 ft. in diameter and over tunnel, etc; Underground Boring and/or Mining Machines under 5 ft. in diameter; Wheel Excavator; Widener (APSCO).

Class 2. Batch Plant; Bituminous Mixer; Boiler and Throttle Valve; Bulldozers; Car Loader Trailing Conveyors; Combination Backhoe Front Endloader Machine (Less than 1 cu. yd. Backhoe Bucket or over or with attachments); Compressor and Throttle Valve; Compressor, Common Receiver (3); Concrete Breaker or Hydro Hammer; Concrete Grinding Machine; Concrete Mixer or Paver 7S Series to and including 27 cu. ft.; Concrete Spreader; Concrete Curing Machine, Burlap Machine, Belting Machine and Sealing Machine; Concrete Wheel Saw; Conveyor Muck Cars (Haglund or Similar Type); Drills, All; Finishing Machine - Concrete; Highlift Shovels or Front Endloader; Hoist - Sewer Dragging Machine; Hydraulic Boom Trucks (All Attachments); Hydro-Blaster; Hydro Excavating (excluding hose work); Laser Screed; All Locomotives, Dinky; Off-Road Hauling Units (including articulating) Non Self-

Loading Ejection Dump; Pump Cretes: Squeeze Cretes - Screw Type Pumps, Gypsum Bulker and Pump; Roller, Asphalt; Rotary Snow Plows; Rototiller, Seaman, etc., self-propelled; Self-Propelled Compactor; Spreader - Chip - Stone, etc.; Scraper - Single/Twin Engine/Push and Pull; Scraper - Prime Mover in Tandem (Regardless of Size); Tractors pulling attachments, Sheeps Foot, Disc, Compactor, etc.; Tug Boats.

Class 3. Boilers; Brooms, All Power Propelled; Cement Supply Tender; Compressor, Common Receiver (2); Concrete Mixer (Two Bag and Over); Conveyor, Portable; Farm-Type Tractors Used for Mowing, Seeding, etc.; Forklift Trucks; Grouting Machine; Hoists, Automatic; Hoists, All Elevators; Hoists, Tugger Single Drum; Jeep Diggers; Low Boys; Pipe Jacking Machines; Post-Hole Digger; Power Saw, Concrete Power Driven; Pug Mills; Rollers, other than Asphalt; Seed and Straw Blower; Steam Generators; Stump Machine; Winch Trucks with "A" Frame; Work Boats; Tamper-Form-Motor Driven.

Class 4. Air Compressor; Combination - Small Equipment Operator; Directional Boring Machine; Generators; Heaters, Mechanical; Hydraulic Power Unit (Pile Driving, Extracting, or Drilling); Light Plants, All (1 through 5); Pumps, over 3" (1 to 3 not to exceed a total of 300 ft.); Pumps, Well Points; Vacuum Trucks (excluding hose work); Welding Machines (2 through 5); Winches, 4 Small Electric Drill Winches.

Class 5. SkidSteer Loader (all); Brick Forklifts; Oilers.

Class 6. Field Mechanics and Field Welders

Class 7. Dowell Machine with Air Compressor; Gradall and machines of like nature.

OPERATING ENGINEER - FLOATING

Diver. Diver Wet Tender, Diver Tender, ROV Pilot, ROV Tender

TRUCK DRIVER - BUILDING, HEAVY AND HIGHWAY CONSTRUCTION

Class 1. Two or three Axle Trucks. A-frame Truck when used for transportation purposes; Air Compressors and Welding Machines, including those pulled by cars, pick-up trucks and tractors; Ambulances; Batch Gate Lockers; Batch Hopperman; Car and Truck Washers; Carry-alls; Fork Lifts and Hoisters; Helpers; Mechanics Helpers and Greasers; Oil Distributors 2-man operation; Pavement Breakers; Pole Trailer, up to 40 feet; Power Mower Tractors; Self-propelled Chip Spreader; Skipman; Slurry Trucks, 2-man operation; Slurry Truck Conveyor Operation, 2 or 3 man; Teamsters; Unskilled Dumpman; and Truck Drivers hauling warning lights, barricades, and portable toilets on the job site.

Class 2. Four axle trucks; Dump Crets and Adgetors under 7 yards; Dumpsters, Track Trucks, Euclids, Hug Bottom Dump Turnapulls or Turntrailers when pulling other than self-loading equipment or similar equipment under 16 cubic yards; Mixer Trucks under 7 yards; Ready-mix Plant Hopper Operator, and Winch Trucks, 2 Axles.

Class 3. Five axle trucks; Dump Crets and Adgetors 7 yards and over; Dumpsters, Track Trucks, Euclids, Hug Bottom Dump Turntrailers or turnapulls when pulling other than self-loading equipment or similar equipment over 16 cubic yards; Explosives and/or Fission Material Trucks; Mixer Trucks 7 yards or over; Mobile Cranes while in transit; Oil Distributors, 1-man operation; Pole Trailer, over 40 feet; Pole and Expandable Trailers hauling material over 50 feet long; Slurry trucks, 1-man operation; Winch trucks, 3 axles or more; Mechanic--Truck Welder and Truck Painter.

Class 4. Six axle trucks; Dual-purpose vehicles, such as mounted crane trucks with hoist and accessories; Foreman; Master Mechanic; Self-loading equipment like P.B. and trucks with scoops on the front.

TERRAZZO FINISHER

The handling of sand, cement, marble chips, and all other materials that may be used by the Mosaic Terrazzo Mechanic, and the mixing, grinding, grouting, cleaning and sealing of all Marble, Mosaic, and Terrazzo work, floors, base, stairs, and wainscoting by

hand or machine, and in addition, assisting and aiding Marble, Masonic, and Terrazzo Mechanics.

Other Classifications of Work:

For definitions of classifications not otherwise set out, the Department generally has on file such definitions which are available. If a task to be performed is not subject to one of the classifications of pay set out, the Department will upon being contacted state which neighboring county has such a classification and provide such rate, such rate being deemed to exist by reference in this document. If no neighboring county rate applies to the task, the Department shall undertake a special determination, such special determination being then deemed to have existed under this determination. If a project requires these, or any classification not listed, please contact IDOL at 217-782-1710 for wage rates or clarifications.

LANDSCAPING

Landscaping work falls under the existing classifications for laborer, operating engineer and truck driver. The work performed by landscape plantsman and landscape laborer is covered by the existing classification of laborer. The work performed by landscape operators (regardless of equipment used or its size) is covered by the classifications of operating engineer. The work performed by landscape truck drivers (regardless of size of truck driven) is covered by the classifications of truck driver.

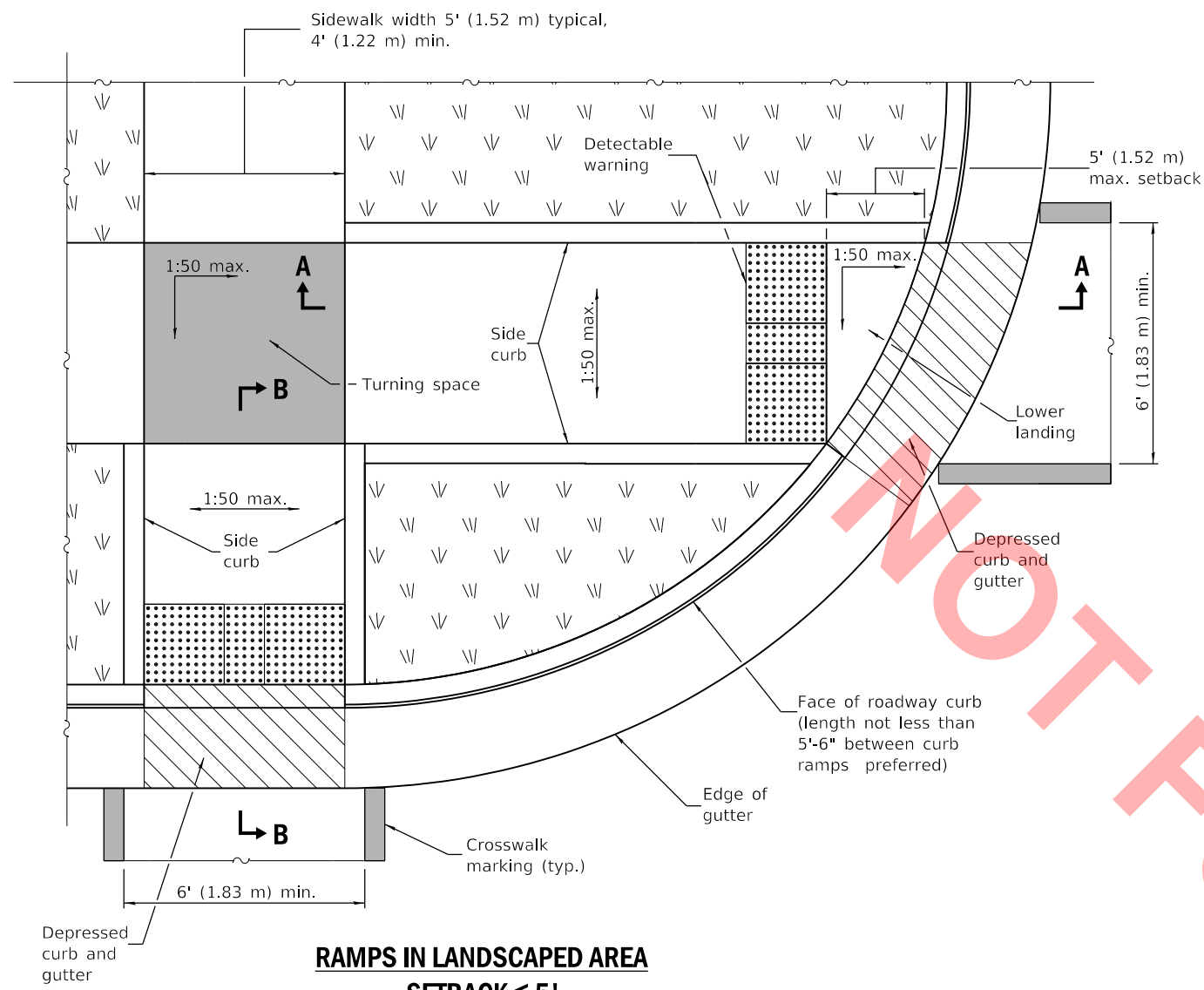
MATERIAL TESTER & MATERIAL TESTER/INSPECTOR I AND II

Notwithstanding the difference in the classification title, the classification entitled "Material Tester I" involves the same job duties as the classification entitled "Material Tester/Inspector I". Likewise, the classification entitled "Material Tester II" involves the same job duties as the classification entitled "Material Tester/Inspector II".

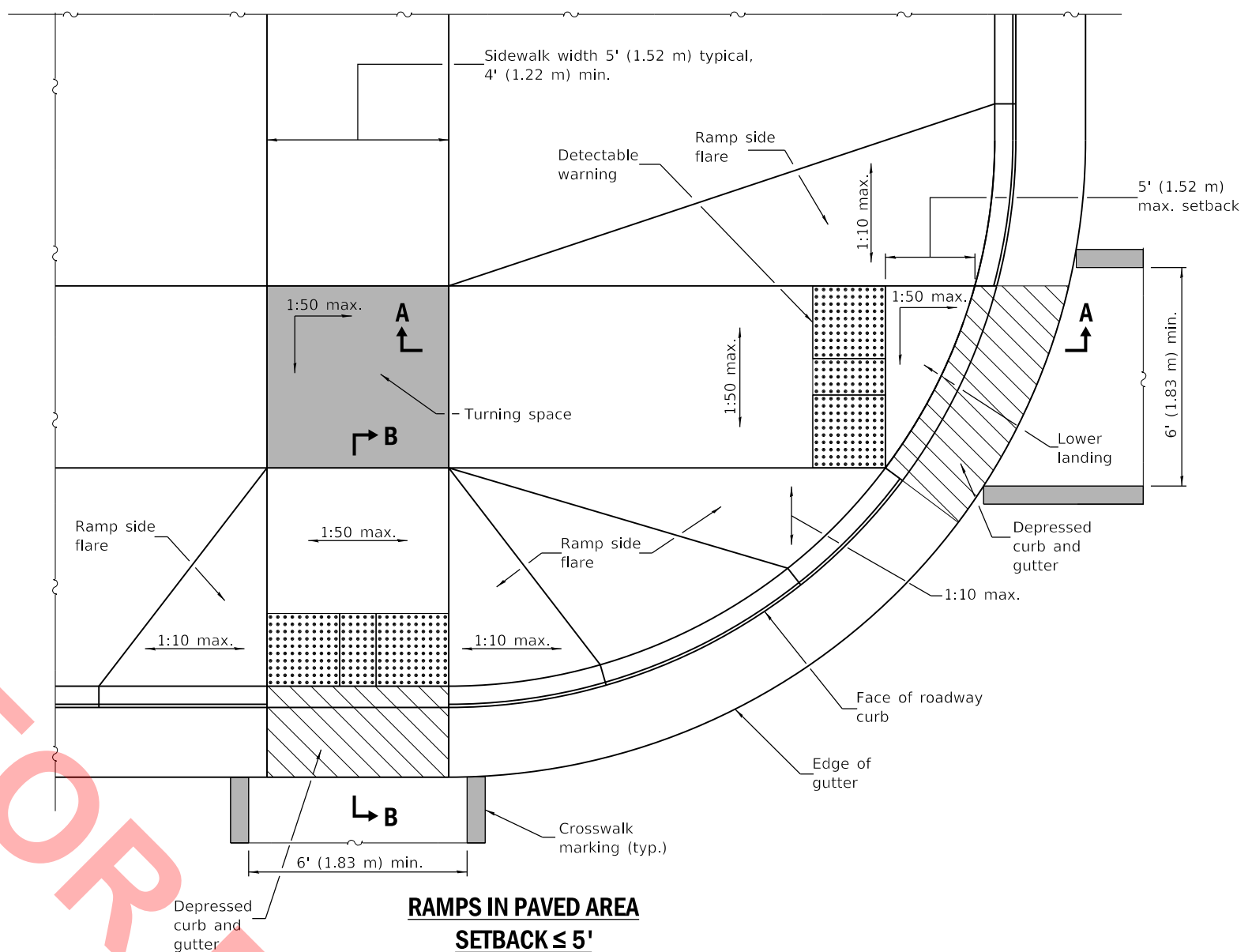
APPENDIX 2:

- IDOT STANDARD DETAILS

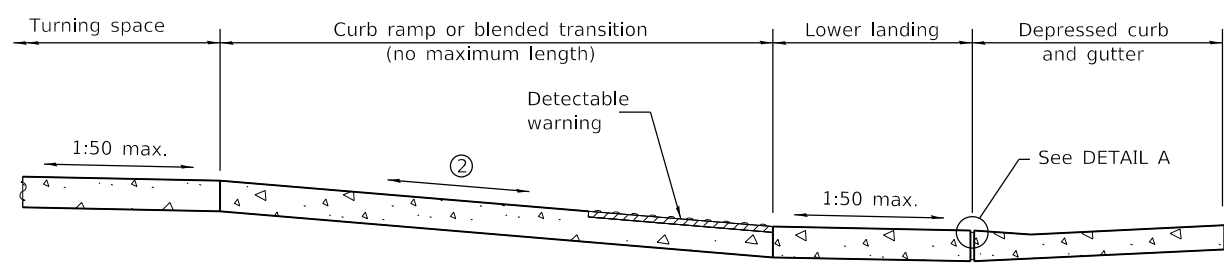
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**RAMPS IN LANDSCAPED AREA
SETBACK ≤ 5'**

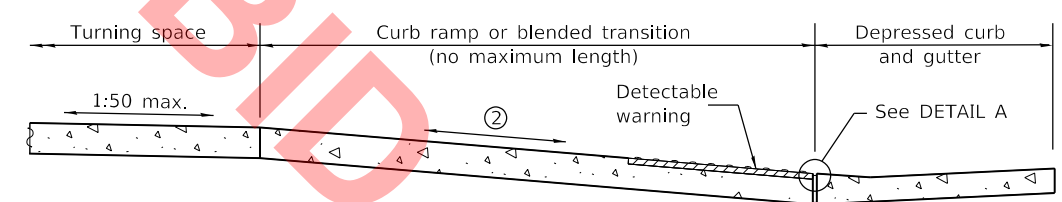


**RAMPS IN PAVED AREA
SETBACK ≤ 5'**



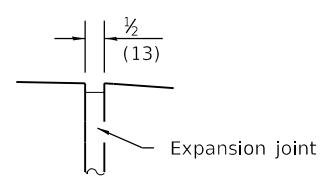
SECTION A-A

② The running slope of a curb ramp shall be 1:20 min. and 1:12 max. The running slope of a blended transition shall be 1:20 max.

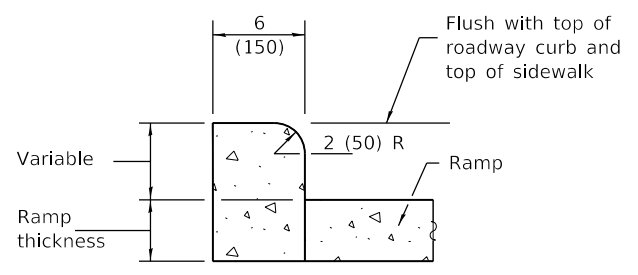


SECTION B-B

② The running slope of a curb ramp shall be 1:20 min. and 1:12 max. The running slope of a blended transition shall be 1:20 max.



DETAIL A



SIDE CURB DETAIL

Illinois Department of Transportation

PASSED January 1, 2019
Michael Bond
 ENGINEER OF POLICY AND PROCEDURES

APPROVED January 1, 2019
John E. ...
 ENGINEER OF DESIGN AND ENVIRONMENT

ISSUED 1-1-97

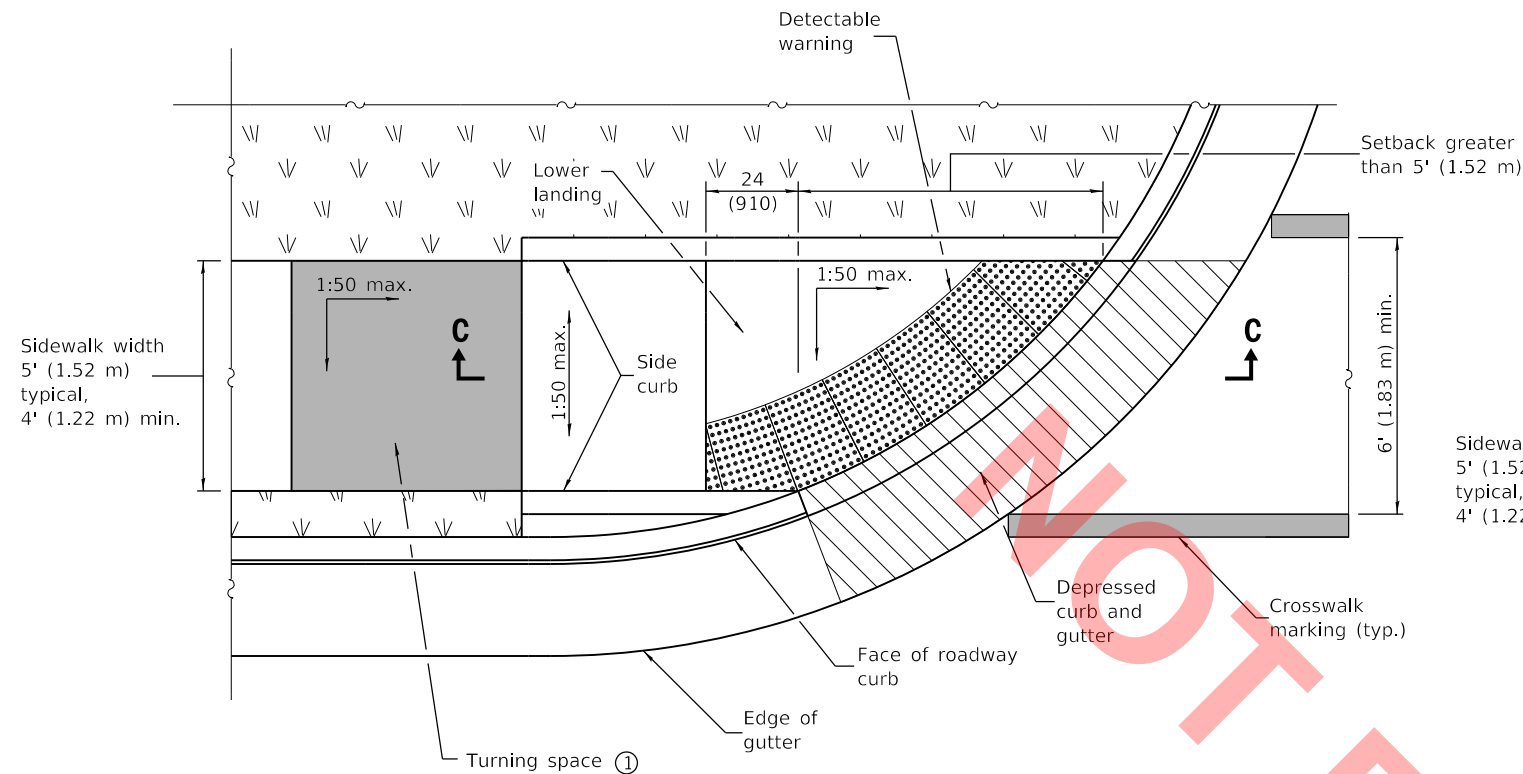
DATE	REVISIONS
1-1-19	Removed "15-foot rule", added "Blended transitions" and placement tolerances for detectable warnings.
1-1-18	Omitted diagonal slope at turning spaces and lower landings.

See Sheet 2 for GENERAL NOTES.

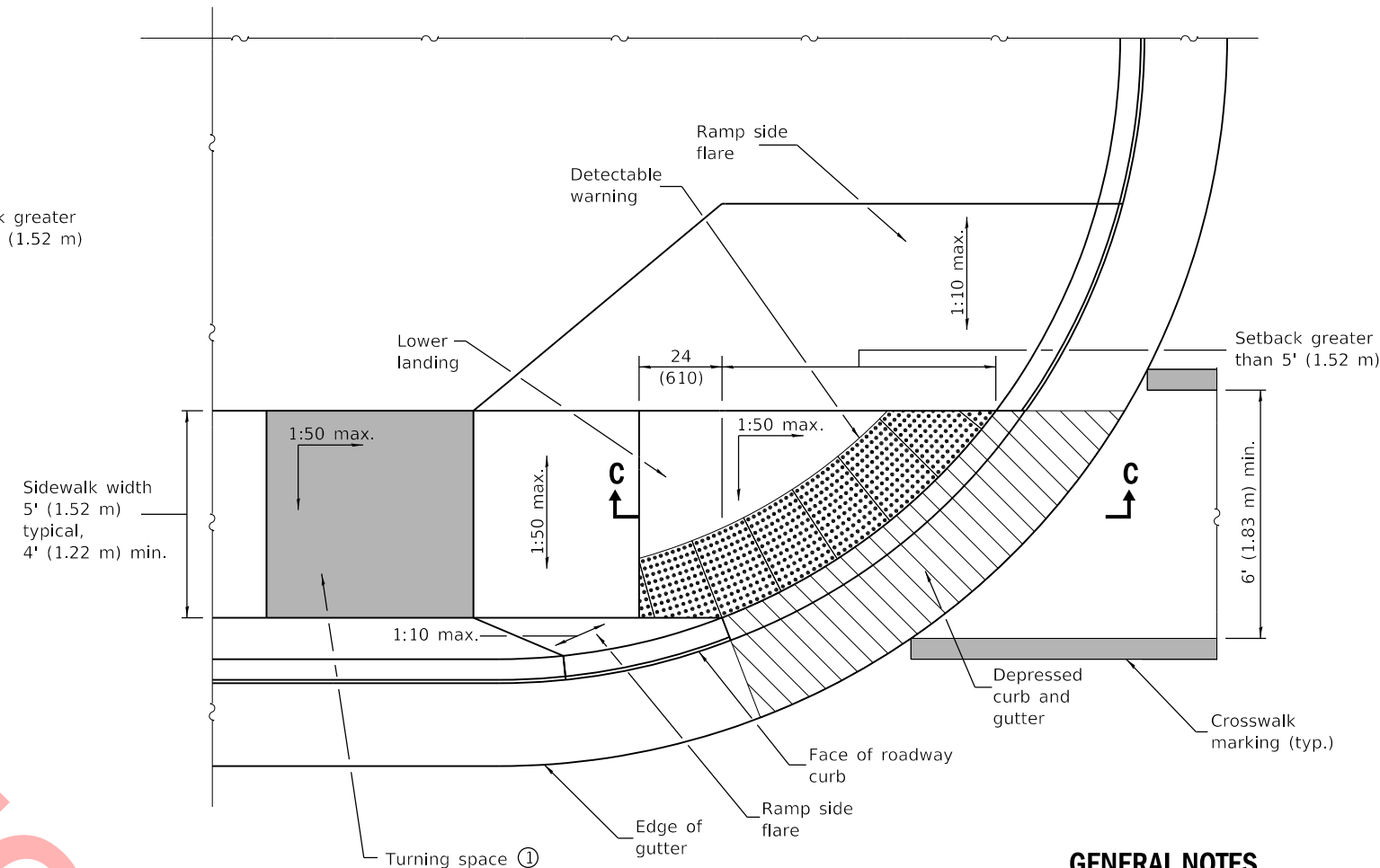
**PERPENDICULAR CURB RAMPS
FOR SIDEWALKS**

(Sheet 1 of 2)

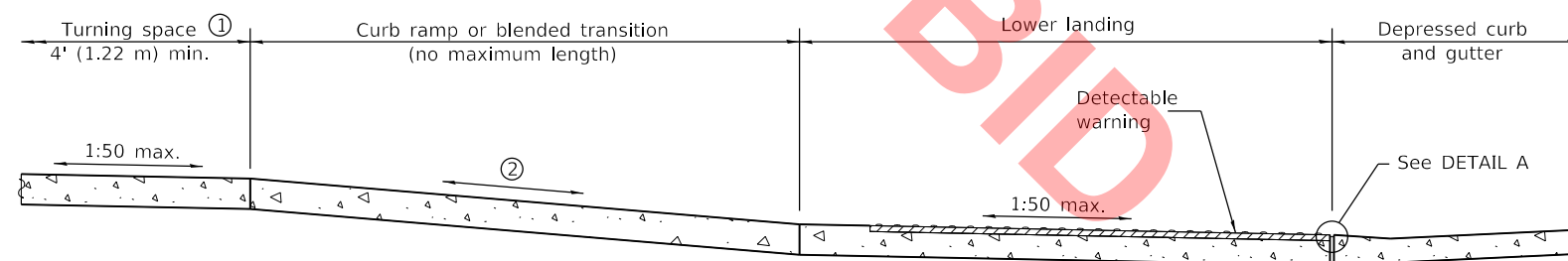
STANDARD 424001-11



**RAMP IN LANDSCAPED AREA
SETBACK > 5'**



**RAMP IN PAVED AREA
SETBACK > 5'**



SECTION C-C

- ① This turning space not required for blended transitions.
- ② The running slope of a curb ramp shall be 1:20 min. and 1:12 max. The running slope of a blended transition shall be 1:20 max.

GENERAL NOTES

All slope ratios are expressed as units of vertical displacement to units of horizontal displacement (V:H).

Where the turning space is constrained on a side opposite a ramp, the minimum length of the turning space in the direction of the ramp-run shall be 5' (1.52 m).

Where 1:50 maximum slope is shown, 1:64 is preferred.

Detectable warnings are shown in their ideal locations but the following placement tolerances are allowed.

Side Border - Detectable warnings should extend the full width of the walking surface (excluding flared sides) but a border along each side up to 2 in. (50 mm) in width is allowed.

Curb Set-Back - Detectable warnings located at the back of curb should closely align with the curb but a gap up to 6 in. (150 mm) behind the curb is allowed.

See Standard 606001 for details of depressed curb adjacent to curb ramp.

All dimensions are in inches (millimeters) unless otherwise shown.

**PERPENDICULAR CURB RAMPS
FOR SIDEWALKS**

(Sheet 2 of 2)

STANDARD 424001-11

Illinois Department of Transportation

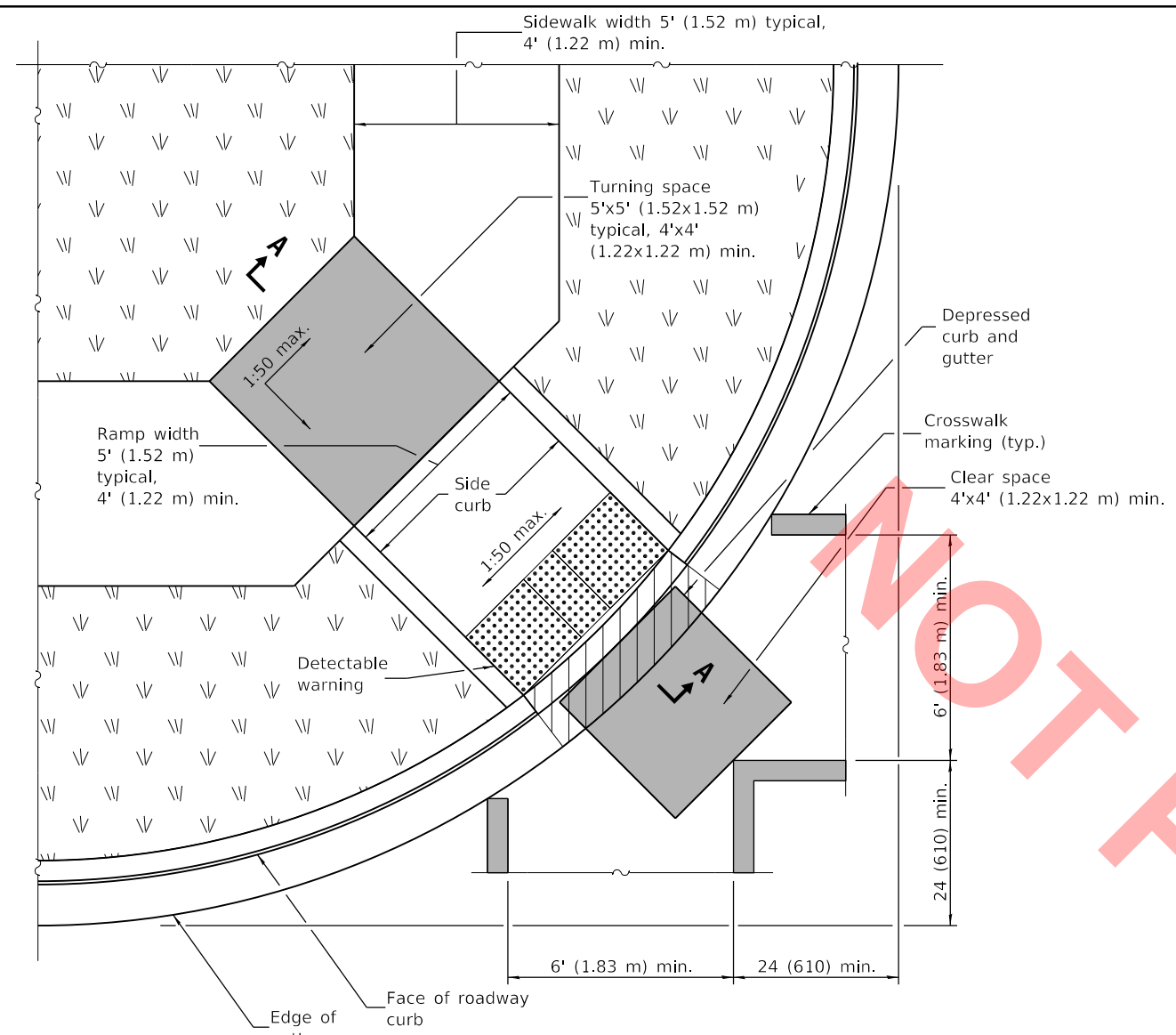
PASSED January 1, 2019

 ENGINEER OF POLICY AND PROCEDURES

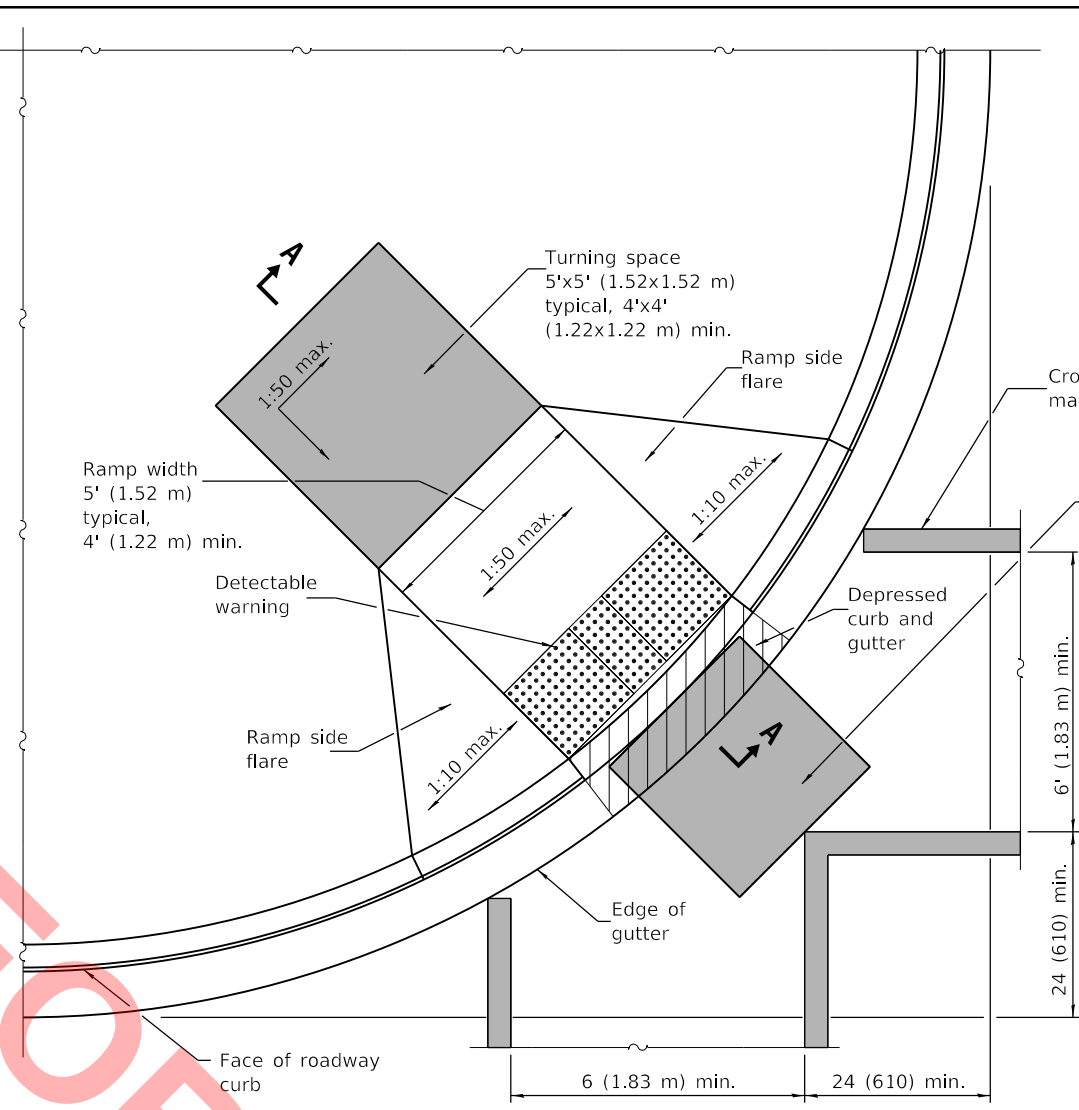
APPROVED January 1, 2019

 ENGINEER OF DESIGN AND ENVIRONMENT

ISSUED 1-1-97



RAMP IN LANDSCAPED AREA



RAMP IN PAVED AREA

GENERAL NOTES

This Standard shall only be used for curb radii of 20 ft. (6.1 m) or greater.

Where the turning space is constrained on a side opposite a ramp, the minimum length of the turning space in the direction of the ramp-run shall be 5' (1.52 m).

Where 1:50 maximum slope is shown, 1:64 is preferred.

Detectable warnings are shown in their ideal locations but the following placement tolerances are allowed.

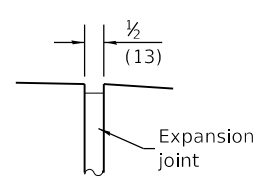
Side Border - Detectable warnings should extend the full width of the walking surface (excluding flared sides) but a border along each side up to 2 in. (50 mm) in width is allowed.

Curb Set-Back - Detectable warnings located at the back of curb should closely align with the curb but a gap up to 6 in. (150 mm) behind the curb is allowed.

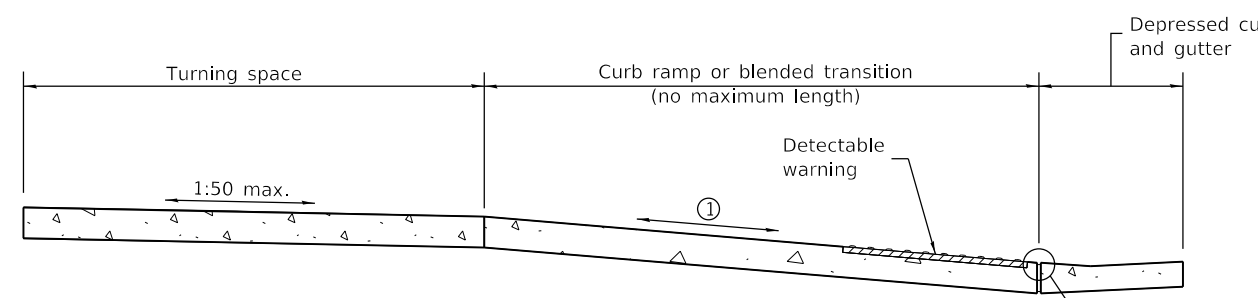
All slope ratios are expressed as units of vertical displacement to units of horizontal displacement (V:H).

See Standard 606001 for details of depressed curb adjacent to curb ramp.

All dimensions are in inches (millimeters) unless otherwise shown.

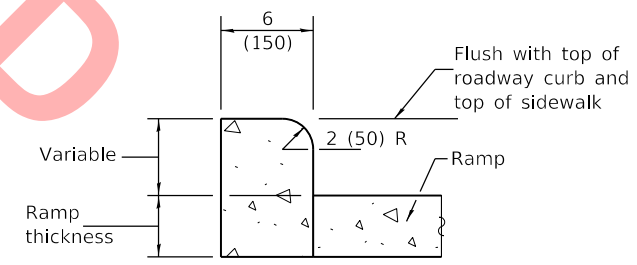


DETAIL A



SECTION A-A

① The running slope of a curb ramp shall be 1:20 min. and 1:12 max. The running slope of a blended transition shall be 1:20 max.



SIDE CURB DETAIL

Illinois Department of Transportation

PASSED January 1, 2021

ENGINEER OF POLICY AND PROCEDURES

APPROVED January 1, 2021

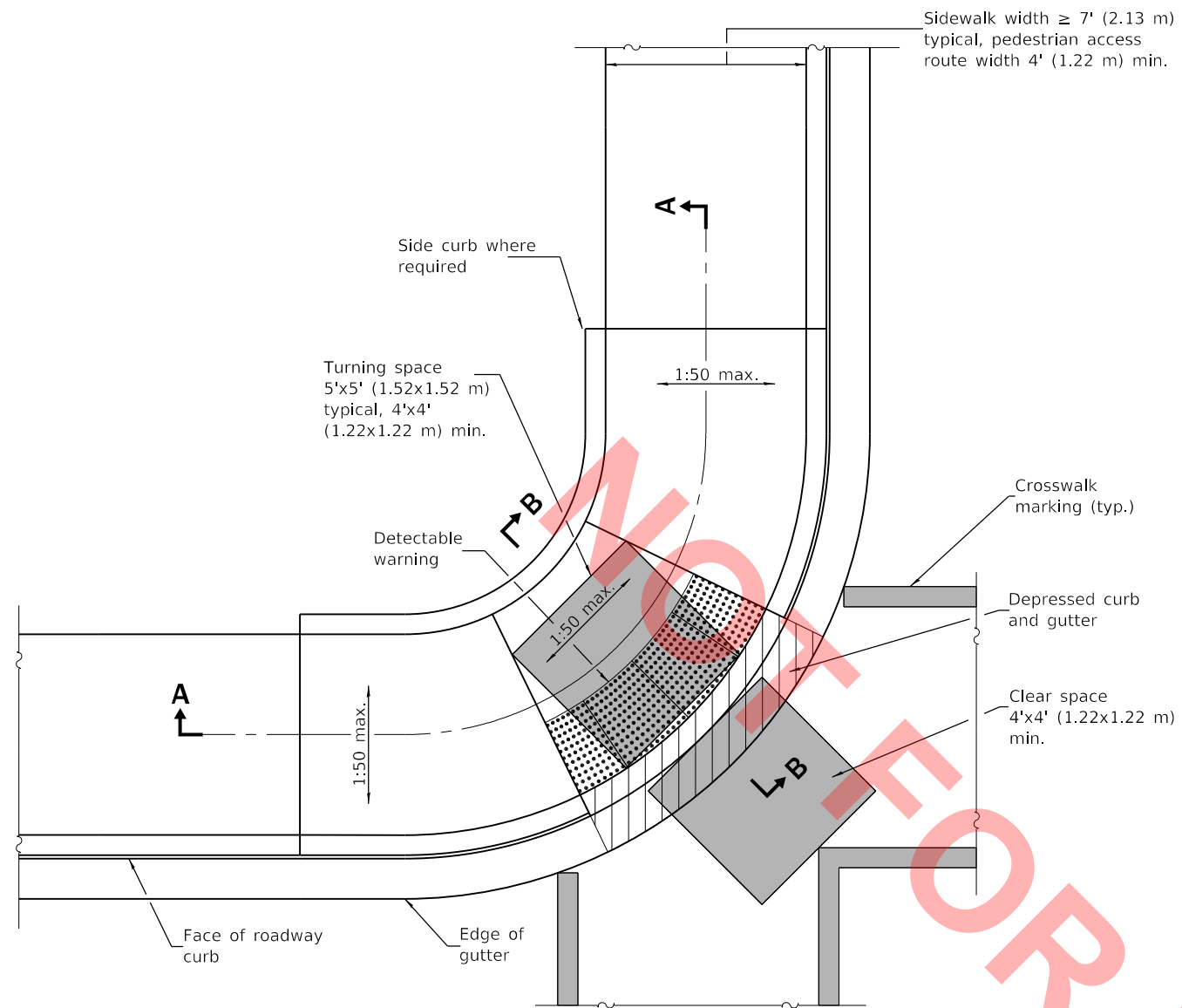
ENGINEER OF DESIGN AND ENVIRONMENT

ISSUED 1-1-12

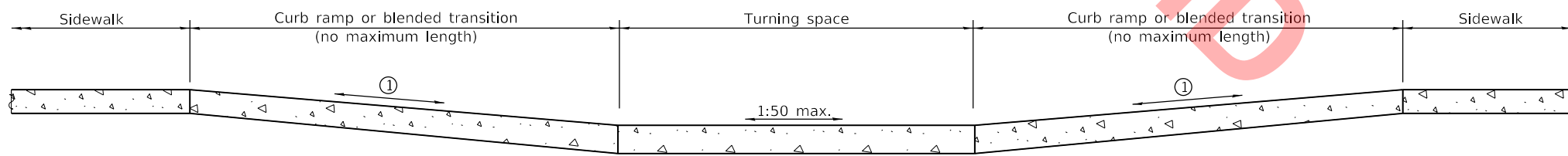
DATE	REVISIONS
1-1-21	Clarified minimum crosswalk width and locations.
1-1-19	Removed "15-foot rule", added "blended transitions" and placement tolerances for detectable warnings.

DIAGONAL CURB RAMPS FOR SIDEWALKS

STANDARD 424006-05

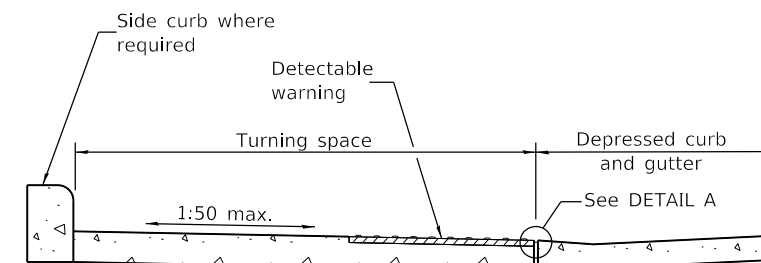


CORNER PARALLEL CURB RAMP

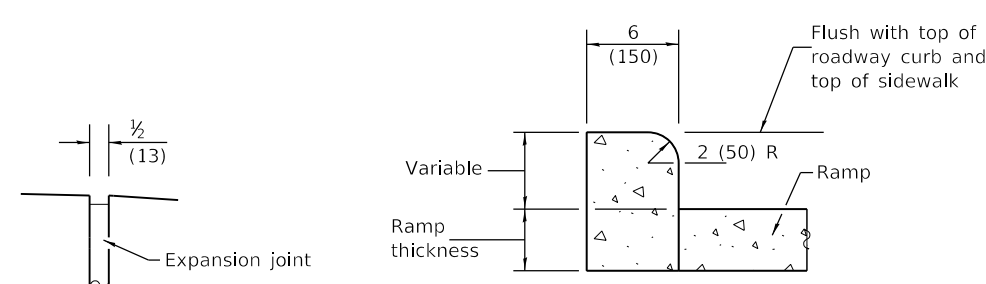


SECTION A-A

① The running slope of a curb ramp shall be 1:20 min. and 1:12 max. The running slope of a blended transition shall be 1:20 max.



SECTION B-B



DETAIL A

SIDE CURB DETAIL

GENERAL NOTES

All slope ratios are expressed as units of vertical displacement to units of horizontal displacement (V:H).

Where the turning space is constrained on a side opposite a ramp, the minimum length of the turning space in the direction of the ramp-run shall be 5' (1.52 m).

Where 1:50 maximum slope is shown, 1:64 is preferred.

Detectable warnings are shown in their ideal locations but the following placement tolerances are allowed.

Side Border - Detectable warnings should extend the full width of the walking surface (excluding flared sides) but a border along each side up to 2 in. (50 mm) in width is allowed.

Curb Set-Back - Detectable warnings located at the back of curb should closely align with the curb but a gap up to 6 in. (150 mm) behind the curb is allowed.

See Standard 606001 for details of depressed curb adjacent to curb ramp.

All dimensions are in inches (millimeters) unless otherwise shown.

DATE	REVISIONS
1-1-19	Removed upper landing, added blended transition and detectable warning tolerances.
1-1-17	Revised sidewalk width to include 24 (610) buffer behind curb.

CORNER PARALLEL CURB RAMPS FOR SIDEWALKS

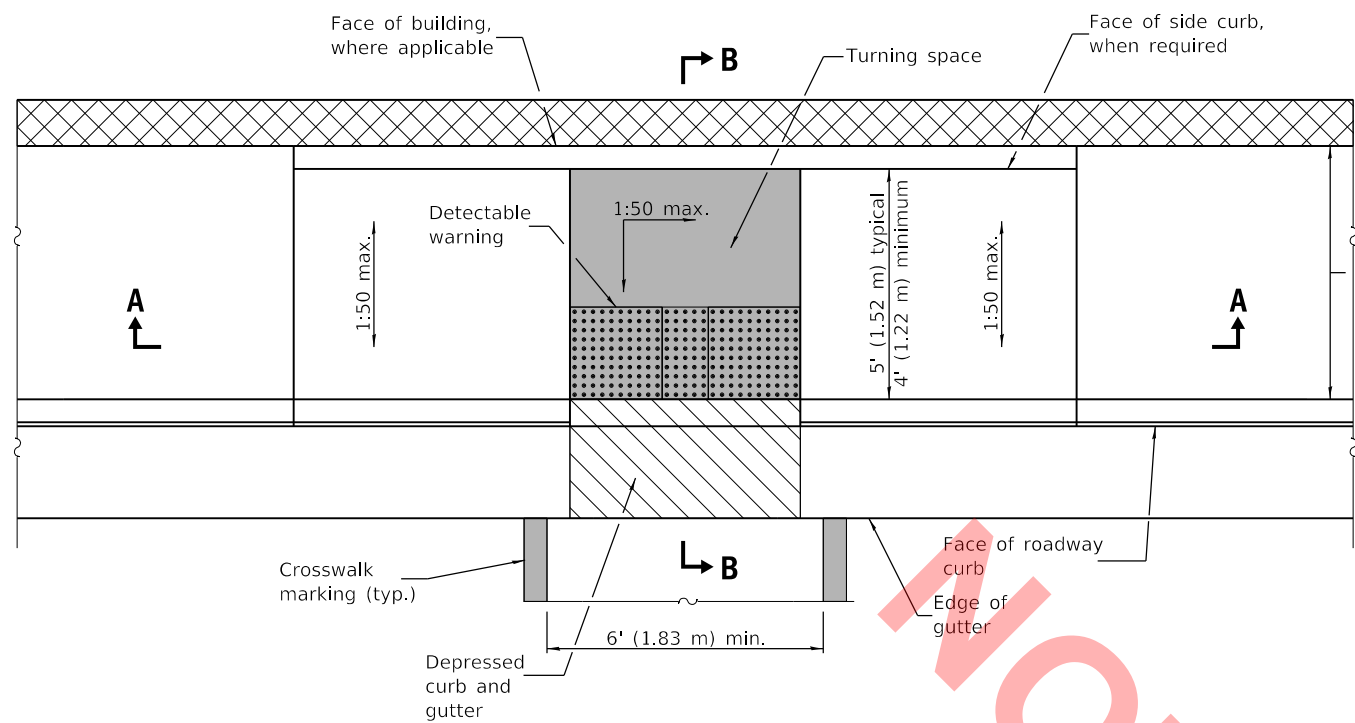
STANDARD 424011-04

Illinois Department of Transportation

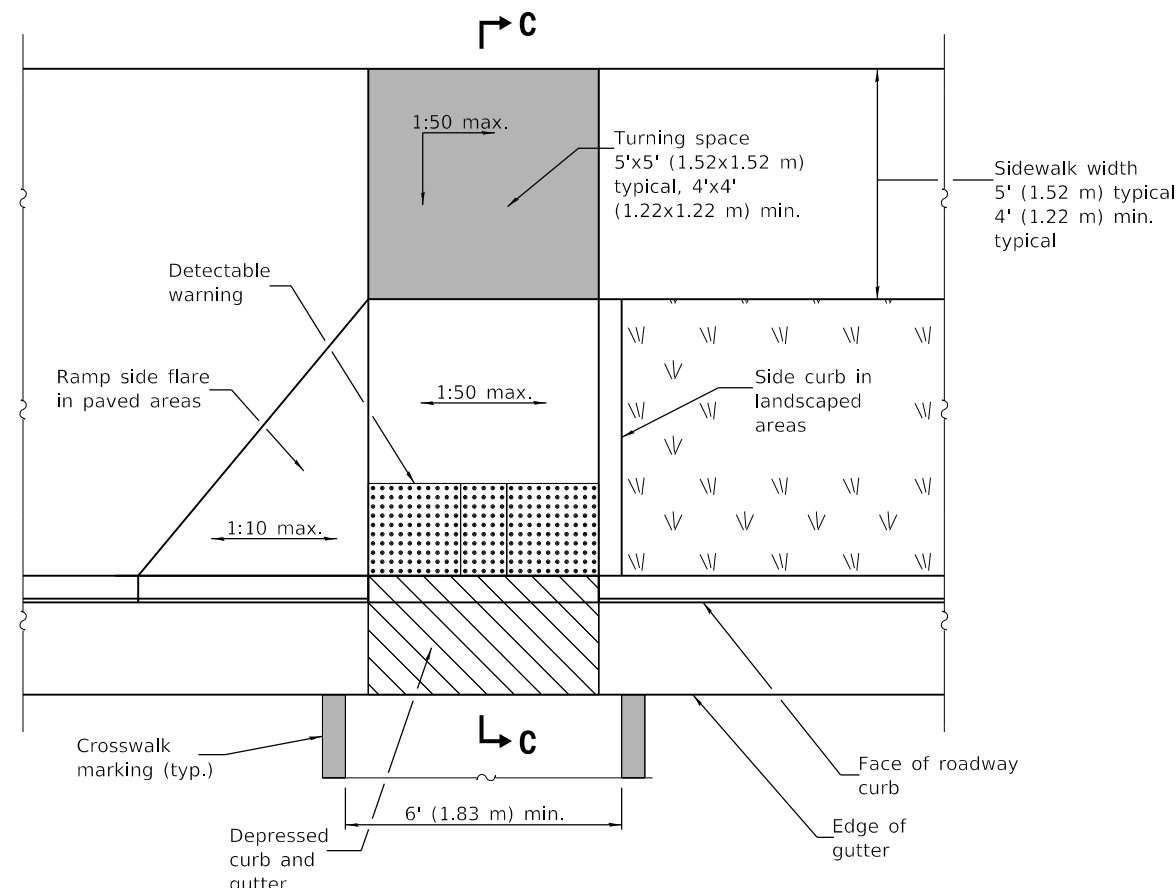
PASSED January 1, 2019
Michael Bond
 ENGINEER OF POLICY AND PROCEDURES

APPROVED January 1, 2019
John E. ...
 ENGINEER OF DESIGN AND ENVIRONMENT

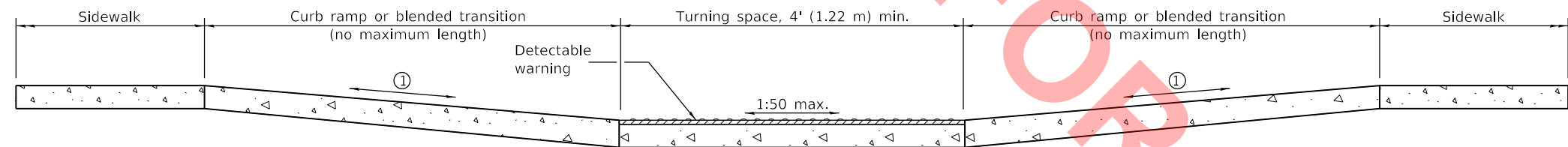
ISSUED 1-1-12



PARALLEL MID-BLOCK CURB RAMP

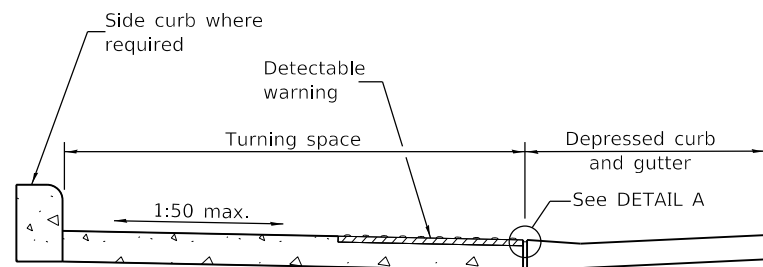


PERPENDICULAR MID-BLOCK CURB RAMP

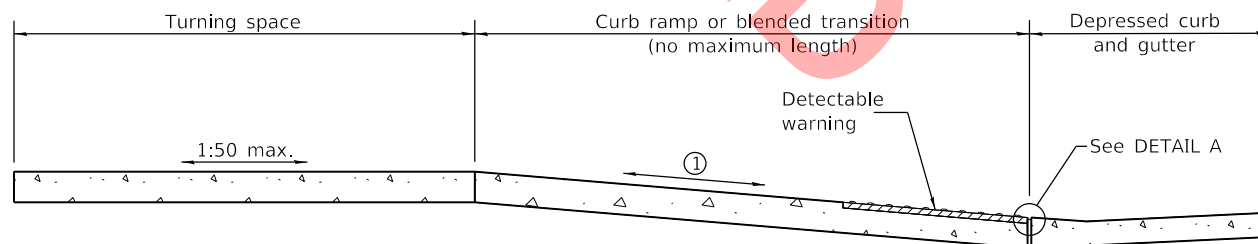


SECTION A-A

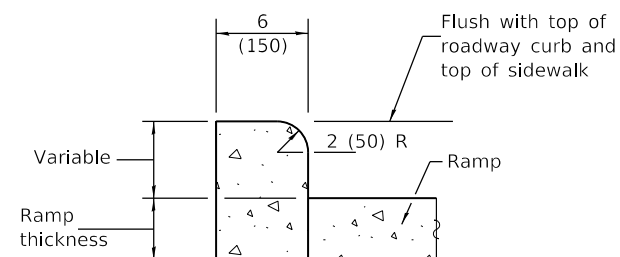
① The running slope of a curb ramp shall be 1:20 min. and 1:12 max. The running slope of a blended transition shall be 1:20 max.



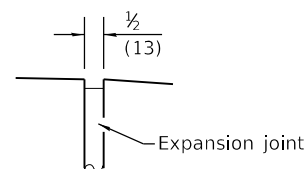
SECTION B-B



SECTION C-C



SIDE CURB DETAIL



DETAIL A

GENERAL NOTES

All slope ratios are expressed as units of vertical displacement to units of horizontal displacement (V:H).

Where the turning space is constrained on a side opposite a ramp, the minimum length of the turning space in the direction of the ramp-run shall be 5' (1.52 m).

Where 1:50 maximum slope is shown, 1:64 is preferred.

Detectable warnings are shown in their ideal locations but the following placement tolerances are allowed.

Side Border - Detectable warnings should extend the full width of the walking surface (excluding flared sides) but a border along each side up to 2 in. (50 mm) in. width is allowed.

Curb Set-Back - Detectable warnings located at the back of curb should closely align with the curb but a gap up to 6 in. (150 mm) behind the curb is allowed.

See Standard 606001 for details of depressed curb adjacent to curb ramp.

All dimensions are in inches (millimeters) unless otherwise shown.

DATE	REVISIONS
1-1-19	Removed upper landing, added blended transitions and detectable warning tolerances.
1-1-18	Omitted diagonal slope at turning spaces and upper landings.

MID-BLOCK CURB RAMPS FOR SIDEWALKS

STANDARD 424016-05

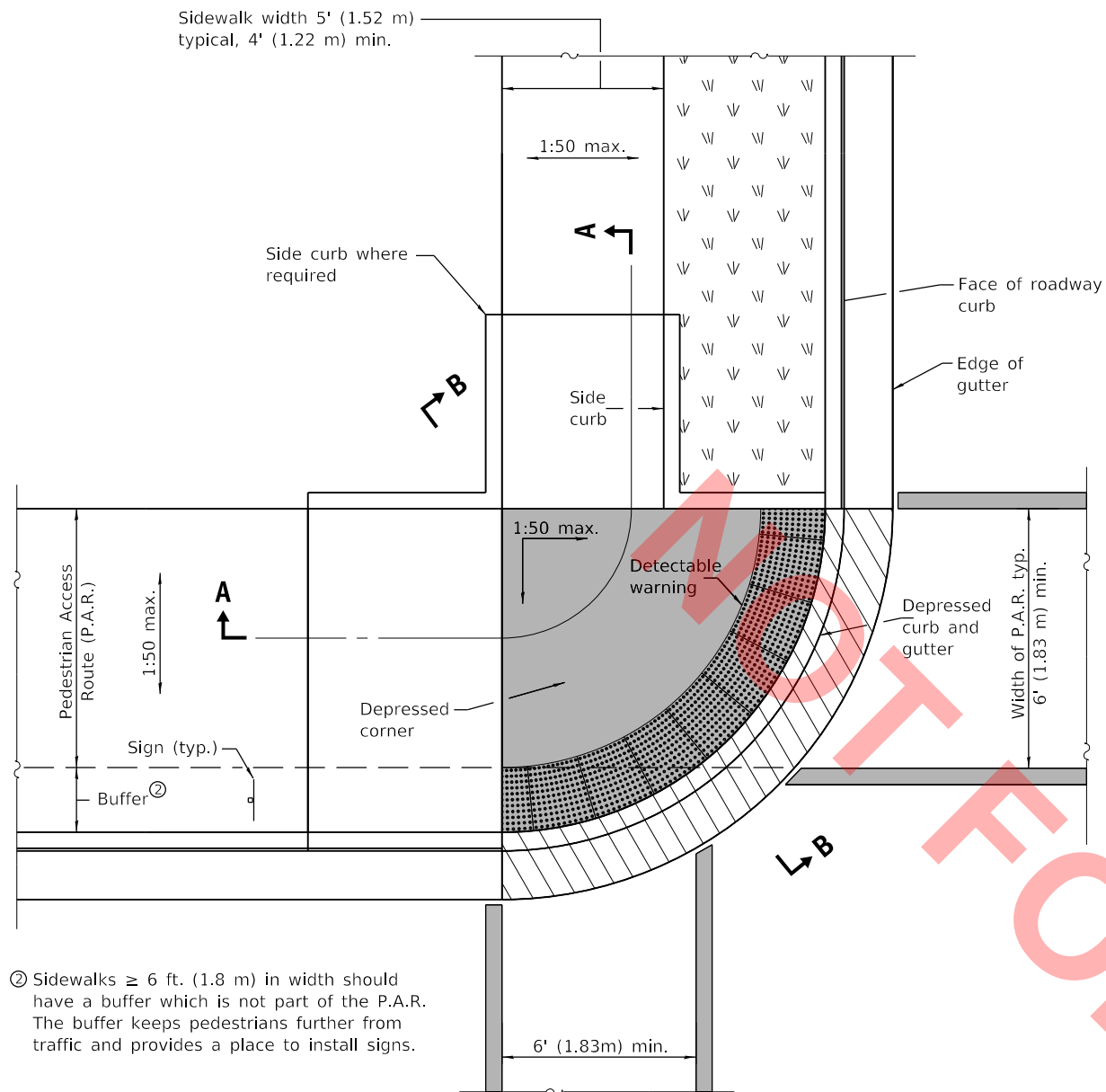
Illinois Department of Transportation

PASSED January 1, 2019
Michael Bond
 ENGINEER OF POLICY AND PROCEDURES

APPROVED January 1, 2019
John E. C...
 ENGINEER OF DESIGN AND ENVIRONMENT

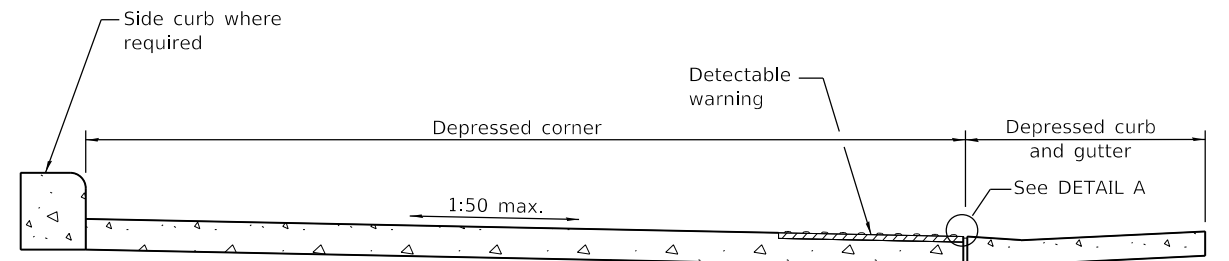
ISSUED 1-1-12

Sidewalk width 5' (1.52 m) typical, 4' (1.22 m) min.

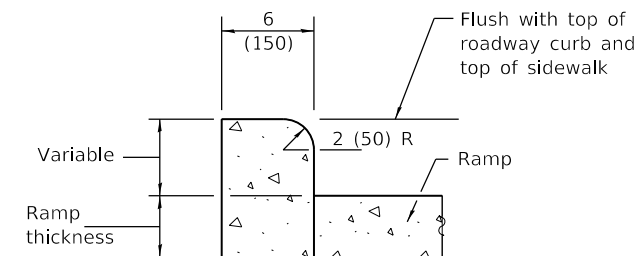


② Sidewalks \geq 6 ft. (1.8 m) in width should have a buffer which is not part of the P.A.R. The buffer keeps pedestrians further from traffic and provides a place to install signs.

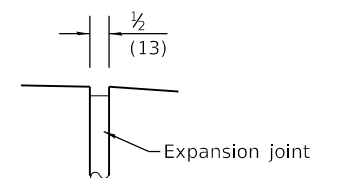
DEPRESSED CORNER



SECTION B-B



SIDE CURB DETAIL



DETAIL A

GENERAL NOTES

This standard shall only be used for curb radii of 6 ft. (1.83 m) or greater.

All slope ratios are expressed as units of vertical displacement to units of horizontal displacement (V:H).

Where 1:50 maximum slope is shown, 1:64 is preferred.

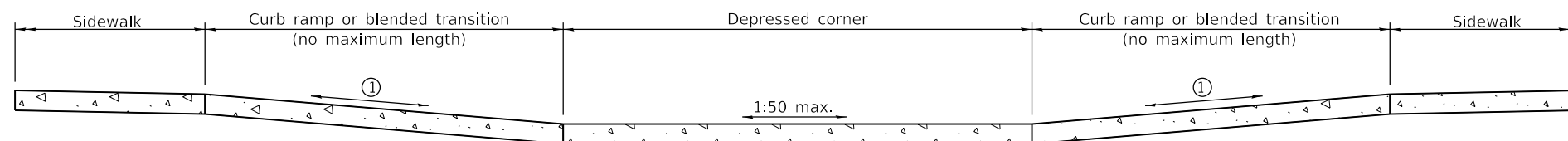
Detectable warnings are shown in their ideal tolerances but the following placement tolerances are allowed.

Side Border - Detectable warnings should extend the full width of the walking surface (excluding flared sides) but a border along each side up to 2 in. (50 mm) in. width is allowed.

Curb Set-Back - Detectable warnings located at the back of curb should closely align with the curb but a gap up to 6 in. (150 mm) behind the curb is allowed.

See Standard 606001 for details of depressed curb adjacent to curb ramp.

All dimensions are in inches (millimeters) unless otherwise shown.



SECTION A-A

① The running slope of a curb ramp shall be 1:20 min. and 1:12 max. The running slope of a blended transition shall be 1:20 max.

Illinois Department of Transportation

PASSED January 1, 2021
Michael Bond
 ENGINEER OF POLICY AND PROCEDURES

APPROVED January 1, 2021
J. E. ...
 ENGINEER OF DESIGN AND ENVIRONMENT

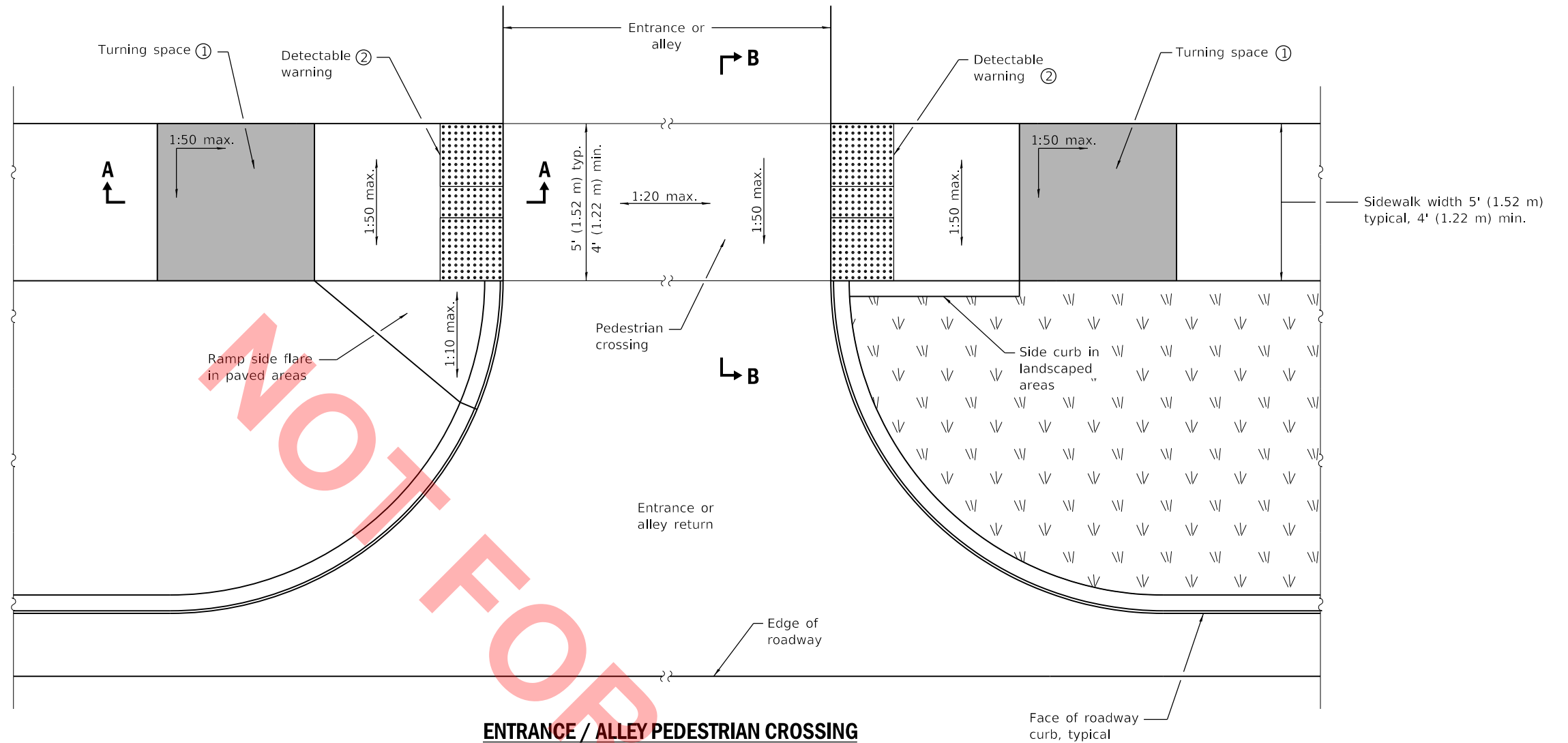
ISSUED 1-1-12

DATE	REVISIONS
1-1-21	Added crosswalk striping and a "buffer" for wide sidewalks.
1-1-19	Removed upper landings, added blended transition and detectable warning tolerances.

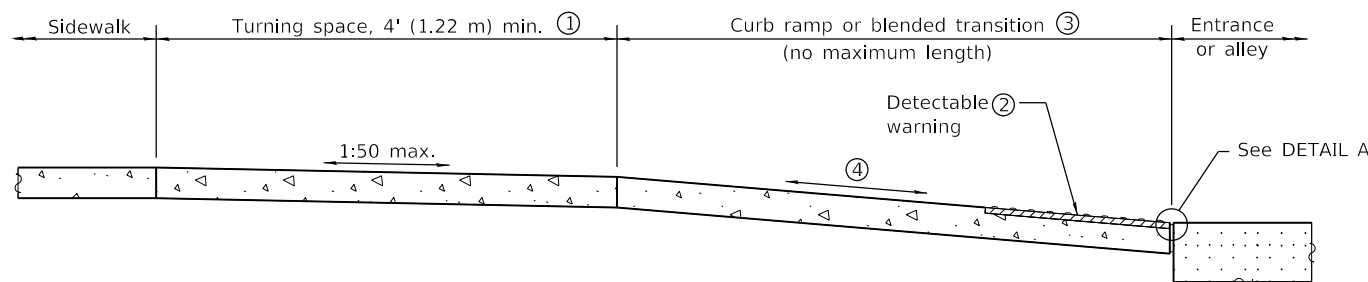
DEPRESSED CORNER FOR SIDEWALKS

STANDARD 424021-06

- ② Detectable warning shall only be installed at entrances/alleys with permanent traffic control devices (i.e. stop signs, signals).
- ③ Where possible, maintain the grade of the sidewalk across the entrance/alley to avoid the need for ramps and turning spaces.

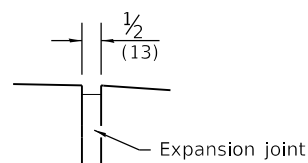


ENTRANCE / ALLEY PEDESTRIAN CROSSING

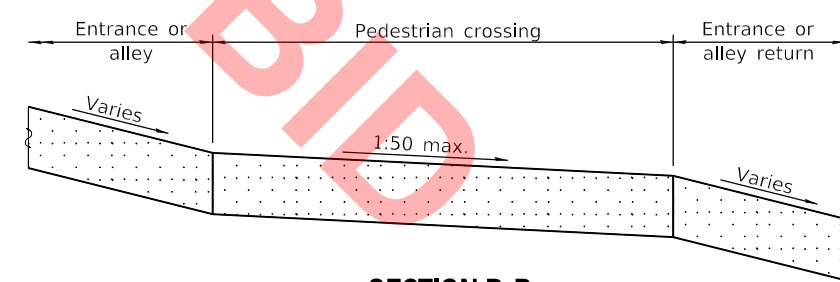


SECTION A-A

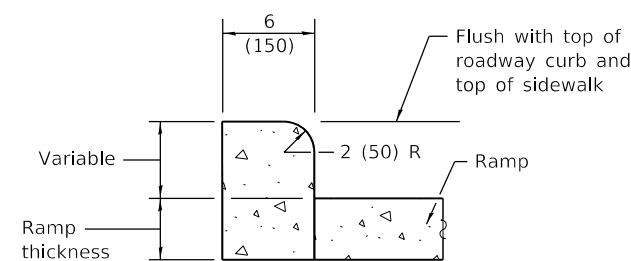
- ① Turning space not required for blended transitions.
- ④ The running slope of a curb ramp shall be 1:20 min and 1:12 max. The running slope of a blended transition shall be 1:20 max.



DETAIL A



SECTION B-B



SIDE CURB DETAIL

GENERAL NOTES

- All slope ratios are expressed as units of vertical displacement to units of horizontal displacement (V:H).
- Where 1:50 maximum slope is shown, 1:64 is preferred.
- Detectable warnings are shown in their ideal locations but the following placement tolerances are allowed.
- Side Border - Detectable warnings should extend the full width of the walking surface (excluding flared sides) but a border along each side up to 2 in. (50 mm) in width is allowed.
- Curb Set-Back - Detectable warnings located at the back of curb should closely align with the curb but a gap up to 6 in. (150 mm) behind the curb is allowed.
- All dimensions are in inches (millimeters) unless otherwise shown.

DATE	REVISIONS
1-1-19	Added blended transitions and placement tolerances for detectable warnings.
1-1-18	Omitted diagonal slope at upper landings.

ENTRANCE / ALLEY PEDESTRIAN CROSSINGS

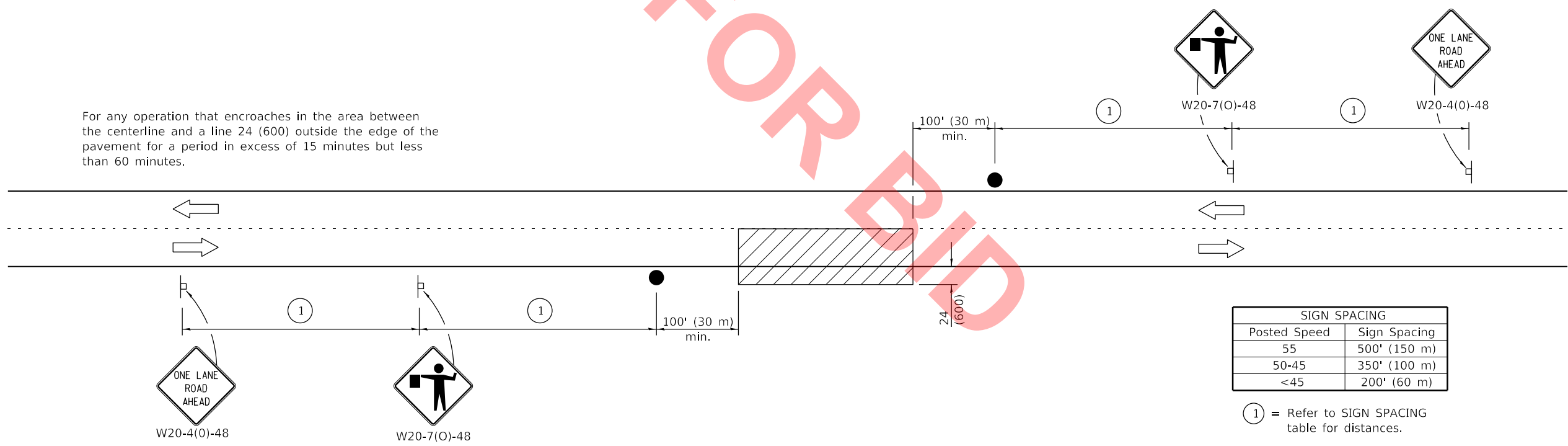
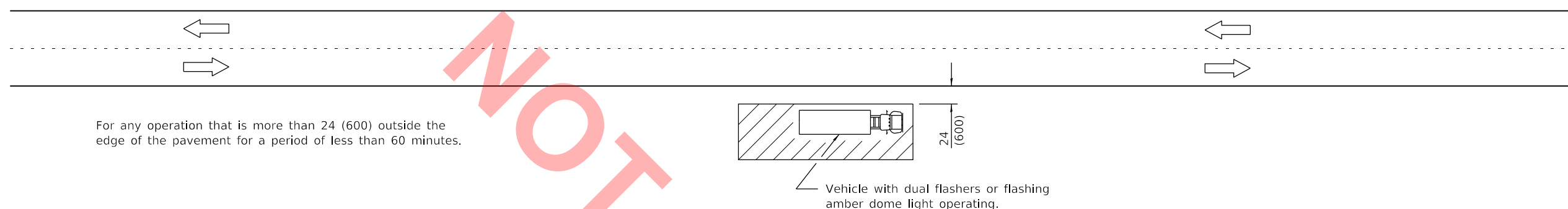
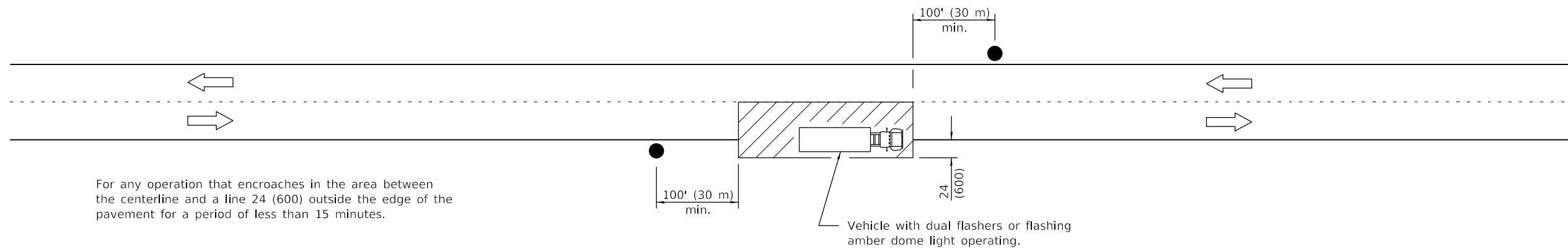
STANDARD 424026-03

Illinois Department of Transportation

PASSED January 1, 2019
Michael Bond
 ENGINEER OF POLICY AND PROCEDURES

APPROVED January 1, 2019
Joe E. ...
 ENGINEER OF DESIGN AND ENVIRONMENT

ISSUED 1-1-12



SIGN SPACING	
Posted Speed	Sign Spacing
55	500' (150 m)
50-45	350' (100 m)
<45	200' (60 m)

① = Refer to SIGN SPACING table for distances.

TYPICAL APPLICATIONS

- Marking patches
- Field survey
- String line
- Utility operations
- Cleaning up debris on pavement

SYMBOLS

- Work area
- Sign on portable or permanent support
- Flagger with traffic control sign

All dimensions are in inches (millimeters) unless otherwise shown.

Illinois Department of Transportation

PASSED January 1, 2011
Amelia Adams
 ENGINEER OF SAFETY ENGINEERING

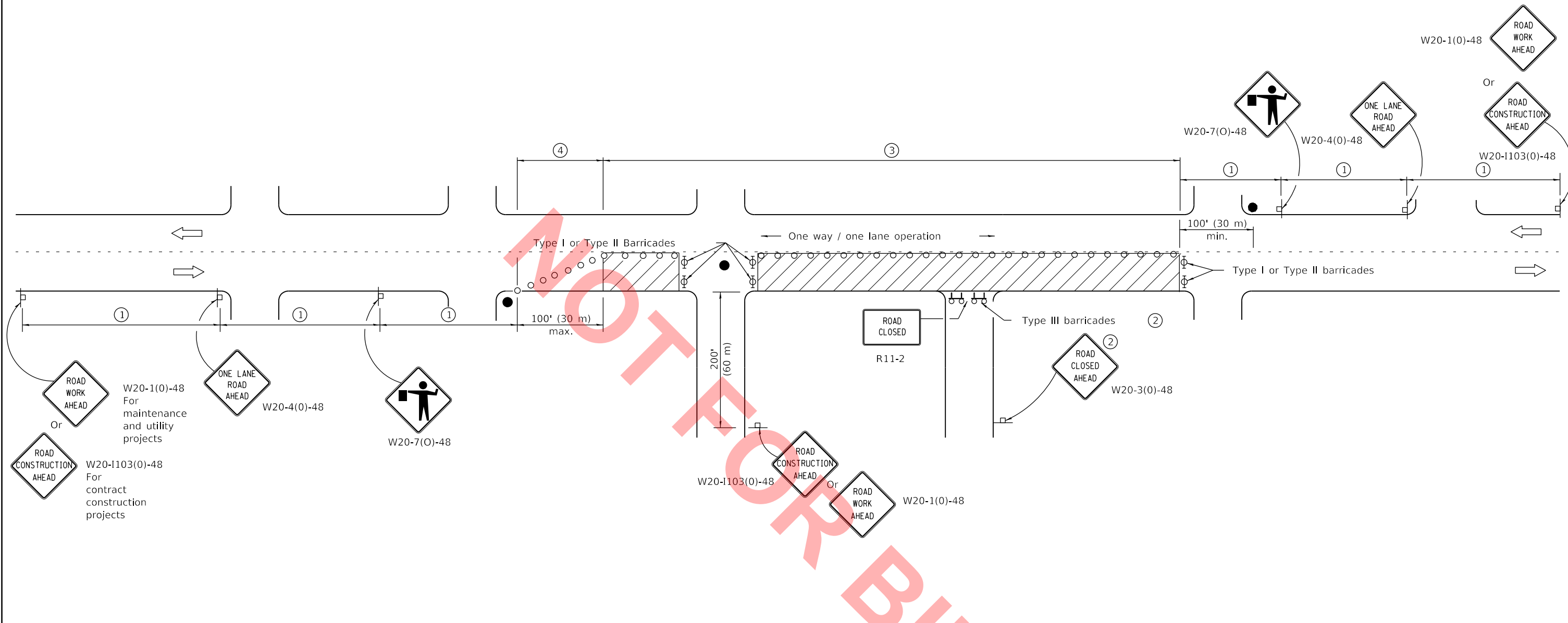
APPROVED January 1, 2011
Scott Schick
 ENGINEER OF DESIGN AND ENVIRONMENT

ISSUED 1-1-97

DATE	REVISIONS
1-1-11	Revised flagger sign.
1-1-09	Switched units to English (metric).

LANE CLOSURE, 2L, 2W, SHORT TIME OPERATIONS

STANDARD 701301-04



ROAD WORK AHEAD W20-1(0)-48
 Or ROAD CONSTRUCTION AHEAD W20-1103(0)-48
 For maintenance and utility projects

ONE LANE ROAD AHEAD W20-4(0)-48

W20-7(0)-48

ROAD CONSTRUCTION AHEAD W20-1103(0)-48
 Or ROAD WORK AHEAD W20-1(0)-48

ROAD CLOSED R11-2

ROAD CLOSED AHEAD W20-3(0)-48

SIGN SPACING	
Posted Speed	Sign Spacing
55	500' (150 m)
50-45	350' (100 m)
<45	200' (60 m)

SYMBOLS

- Work area
- Cone, drum or barricade (not required for moving operations)
- Sign on portable or permanent support
- Flagger with traffic control sign
- Barricade or drum with flashing light
- Type III barricade with flashing lights

- ① Refer to SIGN SPACING TABLE for distances.
- ② For approved sideroad closures.
- ③ Cones at 25' (8 m) centers for 250' (75 m). Additional cones may be placed at 50' (15 m) centers. When drums or Type I or Type II barricades are used, the interval between devices may be doubled.
- ④ Cones, drums or barricades at 20' (6 m) centers.

GENERAL NOTES

This Standard is used where at any time, day or night, any vehicle, equipment, workers or their activities encroach on the pavement requiring the closure of one traffic lane in an urban area.

All dimensions are in inches (millimeters) unless otherwise shown.

DATE	REVISIONS
1-1-11	Revised flagger sign.
1-1-09	Switched units to English (metric).
	Corrected sign No.'s.

**URBAN LANE CLOSURE,
2L, 2W, UNDIVIDED**

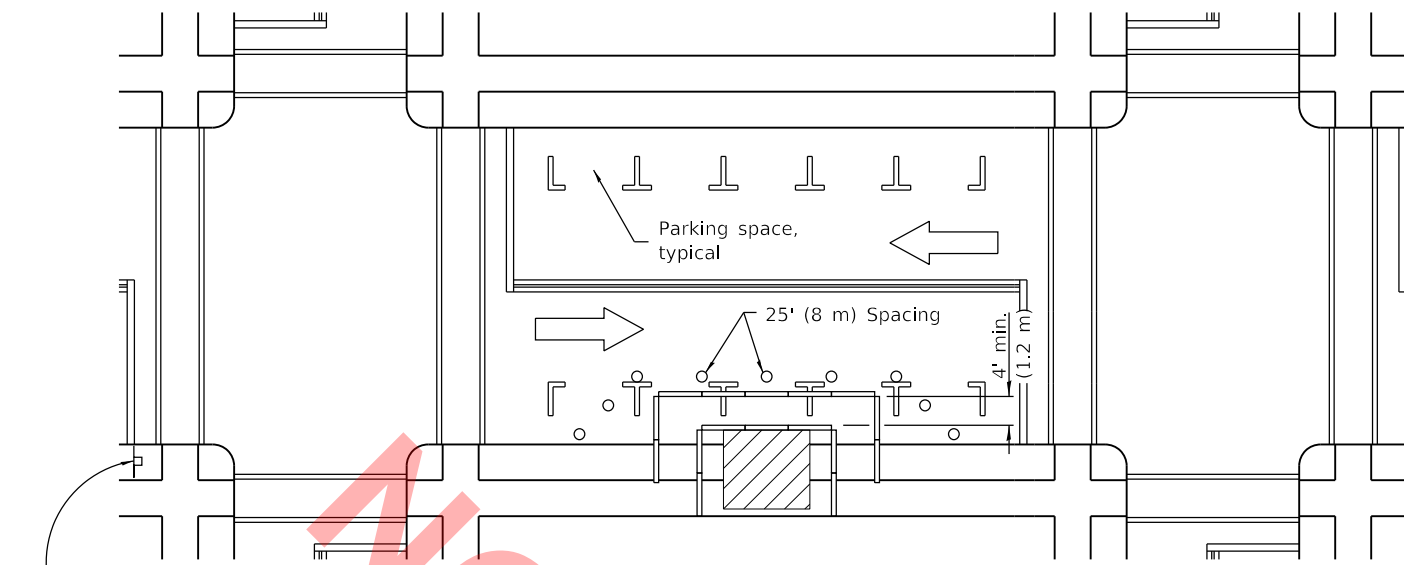
STANDARD 701501-06

Illinois Department of Transportation

PASSED January 1, 2011
 ENGINEER OF SAFETY ENGINEERING

APPROVED January 1, 2011
 ENGINEER OF DESIGN AND ENVIRONMENT

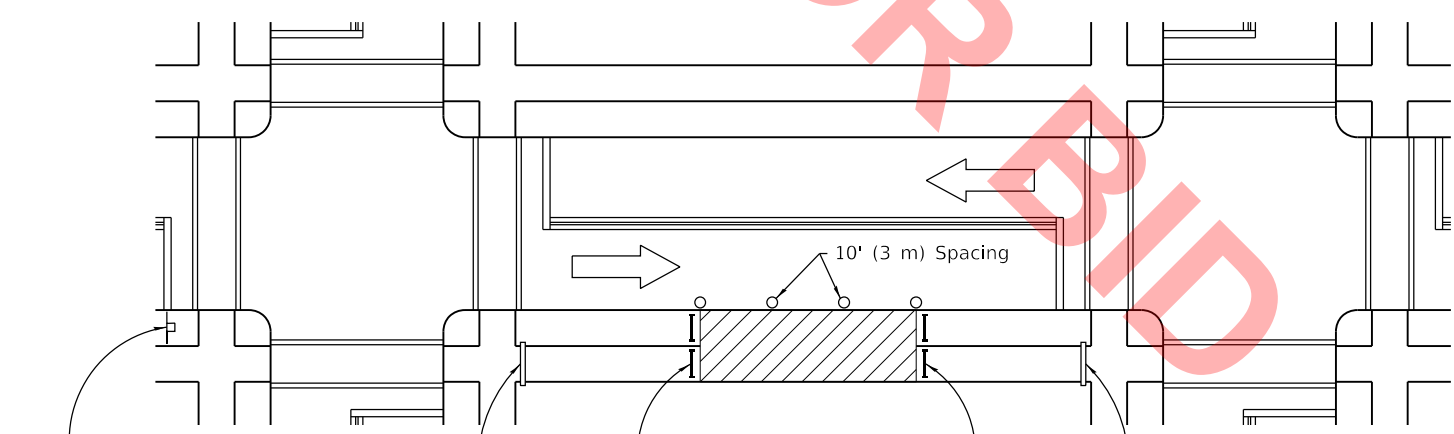
ISSUED 1-1-97



① ROAD CONSTRUCTION AHEAD
W20-1103(0)-48 for contract construction projects

Or
① ROAD WORK AHEAD
W20-1(0)-48 for maintenance and utility projects

SIDEWALK DIVERSION



① ROAD CONSTRUCTION AHEAD
W20-1103(0)-48 for contract construction projects

Or
① ROAD WORK AHEAD
W20-1(0)-48 for maintenance and utility projects

SIDEWALK CLOSED
USE OTHER SIDE
R11-1102-2430

SIDEWALK CLOSED
R11-1101-2418

SIDEWALK CLOSED
USE OTHER SIDE
R11-1102-2430

SIDEWALK CLOSURE

① Omit whenever duplicated by road work traffic control.

GENERAL NOTES

This Standard is used where, at any time, pedestrian traffic must be rerouted due to work being performed.

This Standard must be used in conjunction with other Traffic Control & Protection Standards when roadway traffic is affected.

Temporary facilities shall be detectable and accessible.

The temporary pedestrian facilities shall be provided on the same side of the closed facilities whenever possible.

The SIDEWALK CLOSED / USE OTHER SIDE sign shall be placed at the nearest crosswalk or intersection to each end of the closure. Where the closure occurs at a corner, the signs shall be erected on the corners across the street from the closure. The SIDEWALK CLOSED signs shall be used at the ends of the actual closures.

Type III barricades and R11-2-4830 signs shall be positioned as shown in "ROAD CLOSED TO ALL TRAFFIC" detail on Standard 701901.

All dimensions are in inches (millimeters) unless otherwise shown.

SYMBOLS

- Work area
- Sign on portable or permanent support
- Barricade or drum
- Cone, drum or barricade
- Type III barricade
- Detectable pedestrian channelizing barricade

Illinois Department of Transportation

PASSED April 1, 2016
[Signature]
ENGINEER OF SAFETY ENGINEERING

APPROVED April 1, 2016
[Signature]
ENGINEER OF DESIGN AND ENVIRONMENT

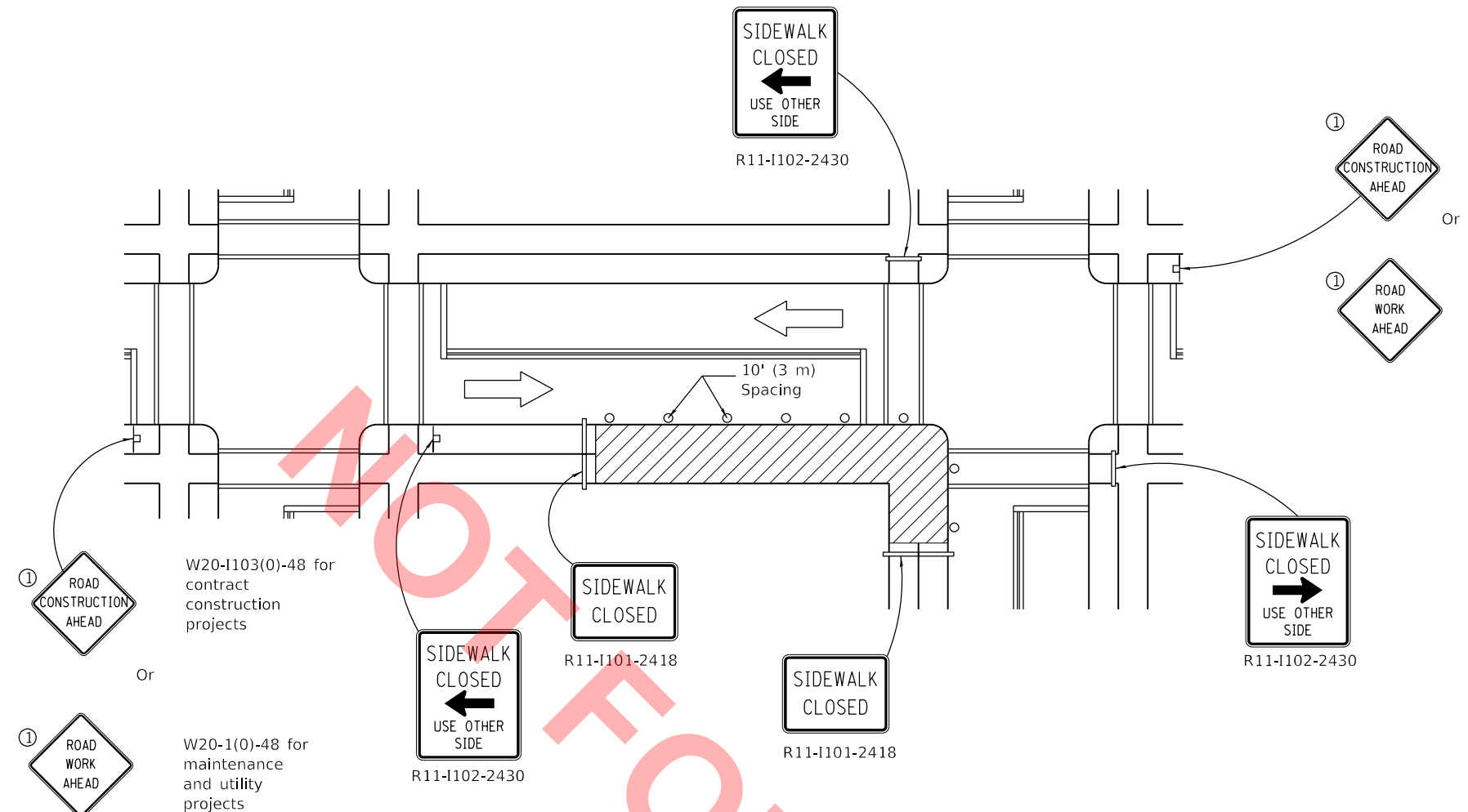
ISSUED 1-1-97

DATE	REVISIONS
4-1-16	Omitted orange safety fence from standard as this is covered in the std. spec.
1-1-12	Added SIDEWALK DIVERSION. Modified appearance of plan views. Renamed Std.

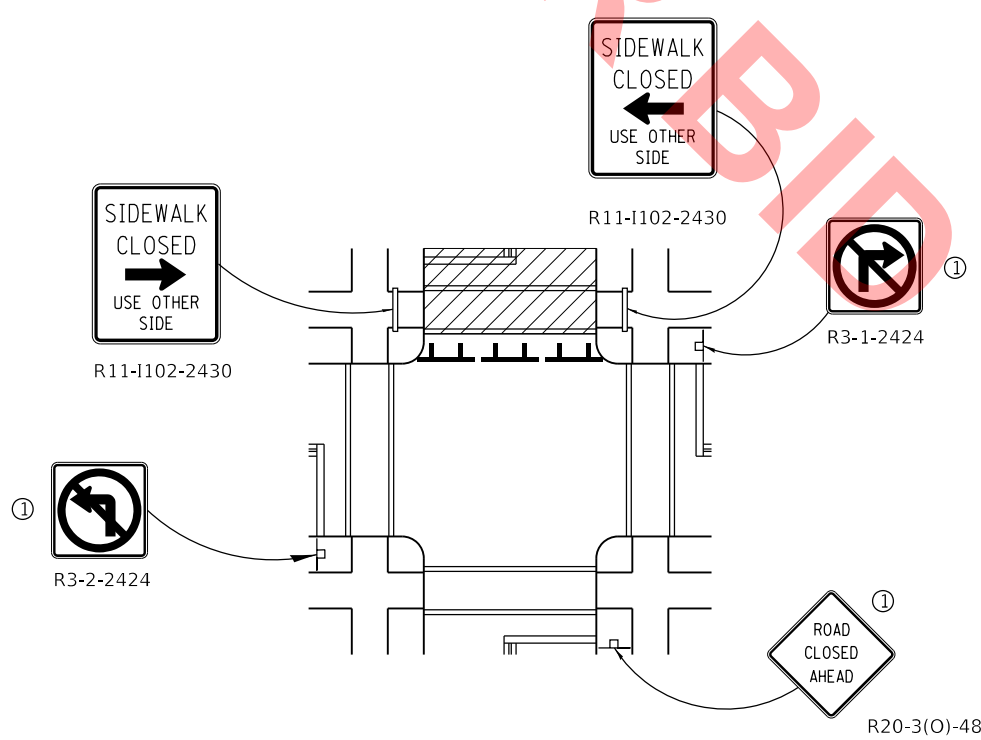
SIDEWALK, CORNER OR CROSSWALK CLOSURE

(Sheet 1 of 2)

STANDARD 701801-06



CORNER CLOSURE



CROSSWALK CLOSURE

W20-I103(0)-48 for contract construction projects
Or
W20-1(0)-48 for maintenance and utility projects

SIDEWALK, CORNER OR CROSSWALK CLOSURE

(Sheet 2 of 2)

STANDARD 701801-06

Illinois Department of Transportation

PASSED April 1, 2016

[Signature]
ENGINEER OF SAFETY ENGINEERING

APPROVED April 1, 2016

[Signature]
ENGINEER OF DESIGN AND ENVIRONMENT

ISSUED 1-1-97

APPENDIX 3:

- ORDINANCE AMENDING THE REQUIREMENTS OF BIDDERS FOR CONSTRUCTION PROJECTS
- IRMA CONTRACTUAL INSURANCE GUIDELINES

NOT FOR BID

IRMA

RECOMMENDED CONTRACTUAL INSURANCE GUIDELINES

I. INSURANCE REQUIREMENTS

Contractor/Service Provider shall procure and maintain, for the duration of the contract, insurance against claims for injuries to persons or damages to property, which may arise from or in connection with the performance of the work hereunder by the Contractor, his agents, representatives, employees or subcontractors.

MINIMUM SCOPE OF INSURANCE

Coverage shall be at least as broad as:

- A. Insurance Services Office (ISO) Commercial General Liability occurrence form CG 0001 with the **(insert Member name)** named as additional insured on a primary and non-contributory basis. This primary, non-contributory additional insured coverage shall be confirmed through the following required policy endorsements: Additional Insured Endorsements CG 20 10 – Additional Insured: Owners, Lessees or Contractors - Scheduled Person or Organization (Exhibit A) or CG 20 26 Additional Insured – Designated Person or Organization (Exhibit B) and CG 20 01 (Exhibit C) – Primary and Non-Contributory, and **CG 20 37 - Completed Operations – (Exhibit D) Required if box is checked** ; and
- B. Owners and Contractors Protective Liability (OCP) Policy with the **(insert Member name)** as insured. **Required if box is checked** (*Note: Typically recommended for very large construction projects involving many subcontractors. Only provides coverage for two risks: vicariously liability for hiring contractor and general supervision on the job site.*); and
- C. Insurance Service Office Business Auto Liability coverage form number CA 0001, Symbol 01 "Any Auto."
- D. Workers' Compensation as required by the Workers' Compensation Act of the State of Illinois and Employers' Liability insurance. **Coverage required for employee exposure to lead, if box is checked** .
- E. Builder Risk Property Coverage with **(insert Member name)** as loss payee **Required if box is checked** . (*Note: Recommended if general contractor is responsible for construction of a large property structure.*)
- F. Environmental Impairment/Pollution Liability Coverage for pollution incidents as a result of a claim for bodily injury, property damage or remediation costs from an incident at, on or migrating beyond the contracted work site. Coverage shall be extended to Non-Owned Disposal sites resulting from a pollution incident at, on or mitigating beyond the site; and provide coverage for incidents occurring during transportation of pollutants. **Required if box is checked** . (*Note: Recommended for projects which contain an exposure to risks of environmental impairment/pollution liability arising from the project.*)

- G. Cyber Liability/Response Coverage to respond to the duties and obligations as is undertaken by Contractor/Service Provider shall include, but not limited to, claims involving infringement of intellectual property, including but not limited to infringement of copyright, trademark, trade dress, invasion of privacy violations, information theft, damage to or destruction of electronic information, release of private information, alteration of electronic information, extortion and network security. The policy shall provide coverage for breach response costs as well as regulatory fines and penalties as well as credit monitoring expenses with limits sufficient to respond to these obligations. **Required if box is checked** . (Note: Recommended for projects with an exposure to risks of computer information systems breaches and damages.)

MINIMUM LIMITS OF INSURANCE

Contractor/Service Provider shall maintain limits no less than the following. (if required under above Scope of Insurance).

- A. Commercial General Liability: \$1,000,000 combined single limit per occurrence for bodily injury, and property damage and \$1,000,000 per occurrence for personal injury. The general aggregate shall be twice the required occurrence limit. Minimum General Aggregate shall be no less than \$2,000,000 or a project/contract specific aggregate of \$1,000,000.
- B. Owners and Contractors Protective Liability (OCP): \$1,000,000 combined single limit per occurrence for bodily injury and property damage.
- C. Business Automobile Liability: \$1,000,000 combined single limit per accident for bodily injury and property damage.
- D. Workers' Compensation and Employers' Liability: Workers' Compensation coverage with statutory limits and Employers' Liability limits of \$500,000 per accident.
- E. Builder's Risk: Shall insure against "All Risk" of physical damage, including water damage (flood and hydrostatic pressure not excluded), on a completed replacement cost basis.
- F. Environmental Impairment/Pollution Liability: \$1,000,000 combined single limit per occurrence for bodily injury, property damage and remediation costs.
- G. Cyber Liability Insurance, with limits not less than \$1,000,000 per occurrence and breach response services of not less than \$250,000.

DEDUCTIBLES AND SELF-INSURED RETENTIONS

Any deductibles or self-insured retentions must be declared to and approved by the (insert Member name). At the option of the (insert Member name), either: the insurer shall reduce or eliminate such deductibles or self-insured retentions as respects the (insert Member name), its officials, employees, agents and volunteers; or the Contractor shall procure a bond guaranteeing payment of losses and related investigation, claim administration and defense expenses.

OTHER INSURANCE PROVISIONS

The policies are to contain, or be endorsed to contain, the following provisions:

A. General Liability and Automobile Liability Coverages

1. The **(insert Member name)**, its officials, employees, agents and volunteers are to be covered as additional insureds as respects: liability arising out of the Contractor's/Service Provider's work, including activities performed by or on behalf of the Contractor/Service Provider; products and completed operations of the Contractor/Service Provider; premises owned, leased or used by the Contractor/Service Provider; or automobiles owned, leased, hired or borrowed by the Contractor/Service Provider. The coverage shall contain no special limitations on the scope of protection afforded to the **(insert Member name)**, its officials, agents, employees and volunteers.
2. The Contractor's//Service Provider's insurance coverage shall be primary and non-contributory as respects the **(insert Member name)**, its officials, employees, agents and volunteers. Any insurance or self-insurance maintained by the **(insert Member name)**, its officials, employees, agents and volunteers shall be excess of Contractor's//Service Provider's insurance and shall not contribute with it.
3. Any failure to comply with reporting provisions of the policies shall not affect coverage provided to the **(insert Member name)**, its officials, employees, agents and volunteers.
4. The Contractor's/Service Provider's insurance shall contain a Severability of Interests/Cross Liability clause or language stating that Contractor's/Service Provider's insurance shall apply separately to each insured against who claim is made or suit is brought, except with respect to the limits of the insurer's liability.
5. If any commercial general liability insurance is being provided under an excess or umbrella liability policy that does not "follow form" or provide the same coverage and the underlying policy, then the Contractor/Service Provider shall be required to name the **(insert Member name)**, its officials, employees, agents and volunteers as additional insureds.
6. All general liability coverages shall be provided on an occurrence policy form. Claims-made general liability policies will not be accepted.
7. The Contractor/Service Provider and all subcontractors hereby agree to waive any limitation as to the amount of contribution recoverable against them by **(insert Member name)**. This specifically includes any limitation imposed by any state statute, regulation, or case law including any Workers' Compensation Act provision that applies a limitation to the amount recoverable in contribution such as Kotecki v. Cyclops Welding.

B. Workers' Compensation and Employers' Liability Coverage

The insurer shall agree to waive all rights of subrogation against the **(insert Member name)**, its officials, employees, agents and volunteers for losses arising from work performed by Contractor for the municipality.

NCCI Alternate Employer Endorsement (WC 000301) in place to ensure that workers' compensation coverage applies under contractor's coverage rather than **(insert Member name)**'s, if the **(insert Member name)** is borrowing, leasing or in day to day control of Contractor's /Service Provider's employee.

Required if box is checked .

C. Professional Liability (Required if box is checked)

1. Professional liability insurance with limits not less than \$1,000,00 each claim with respect to negligent acts, errors and omissions in connection with professional services to be provided under the contract, with a deductible not-to-exceed \$50,000 without prior written approval.
2. If the policy is written on a claims-made form, the retroactive date must be equal to or preceding the effective date of the contract. In the event the policy is cancelled, non-renewed or switched to an occurrence form, the Contractor shall be required to purchase supplemental extending reporting period coverage for a period of not less than three (3) years.
3. Provide a certified copy of actual policy for review.
4. **Recommended Required Coverage (architect, engineer, surveyor, consultant):** Professional liability insurance that provides indemnification and defense for injury or damage arising out of acts, errors, or omissions in providing the following professional services, but not limited to the following:
 - a. Preparing, approving or failure to prepare or approve maps, drawings, opinions, report, surveys, change orders, designs or specifications;
 - b. Providing direction, instruction, supervision, inspection, engineering services or failing to provide them if that is the primary cause of injury or damage.

D. All Coverages

1. No Waiver. Under no circumstances shall the **(insert Member name)** be deemed to have waived any of the insurance requirements of this Contract by any act or omission, including, but not limited to:
 - a. Allowing work by Contractor/Service Provider or any subcontractor to start before receipt of Certificates of Insurance and Additional Insured Endorsements.
 - b. Failure to examine, or to demand correction of any deficiency, of any Certificate of Insurance and Additional Insured Endorsement received.
2. Each insurance policy required shall have the **(insert Member name)** expressly endorsed onto the policy as a Cancellation Notice Recipient. Should any of the policies be cancelled before the expiration date thereof, notice will be delivered in accordance with the policy provisions.

ACCEPTABILITY OF INSURERS

Insurance is to be placed with insurers with an A.M. Best rating of no less than A-, VII and licensed to do business in the State of Illinois.

VERIFICATION OF COVERAGE

Contractor/Service Provider shall furnish the **(insert Member name)** with certificates of insurance naming the **(insert Member name)**, its officials, employees, agents and volunteers as additional insureds, and with original endorsements affecting coverage required by this clause. The certificates and endorsements for each insurance policy are to be signed by a person authorized by that insurer to bind coverage on its behalf. The certificates and endorsements are to be received and approved by the **(insert Member name)** before any work commences. The following additional insured endorsements should be utilized: ISO Additional Insured Endorsements CG 20 10 – Additional Insured: Owners, Lessees or Contractors - Scheduled Person or Organization (Exhibit A) or CG 20 26 Additional Insured – Designated Person or Organization (Exhibit B) and CG 20 01 (Exhibit C) – Primary and Non-Contributory, and CG 20 37 (Exhibit D) – Completed Operations, where required. The **(insert Member name)** reserves the right to request full certified copies of the insurance policies and endorsements.

SUBCONTRACTORS

Contractor/Service Provider shall include all subcontractors as insureds under its policies or shall furnish separate certificates and endorsements for each subcontractor. All coverages for subcontractors shall be subject to all the requirements stated herein.

ASSUMPTION OF LIABILITY

The contractor assumes liability for all injury to or death of any person or persons including employees of the contractor, any sub-contractor, any supplier or any other person and assumes liability for all damage to property sustained by any person or persons occasioned by or in any way arising out of any work performed pursuant to this agreement.

II. INDEMNITY/HOLD HARMLESS PROVISION: *(include as separate section of the contract.)*

To the fullest extent permitted by law, the Contractor/Service Provider hereby agrees to defend, indemnify and hold harmless the **(insert Member name)**, its officials, employees and agents against all injuries, deaths, loss, damages, claims, patent claims, suits, liabilities, judgments, cost and expenses, which may in anywise accrue against the **(insert Member name)**, its officials, agents and employees, arising in whole or in part or in consequence of the performance of this work by the Contractor/Service Provider, its employees, or subcontractors, or which may in anywise result therefore, except that arising out of the sole legal cause of the **(insert Member name)**, its employees or agents, the Contractor/Service Provider shall, at its own expense, appear, defend and pay all charges of attorneys and all costs and other expenses arising therefore or incurred in connections therewith, and, if any judgment shall be rendered against the **(insert Member name)**, its officials, employees and agents, in any such action, the Contractor/Service Provider shall, at its own expense, satisfy and discharge the same.

Contractor/Service Provider expressly understands and agrees that any performance bond or insurance policies required by this contract, or otherwise provided by the Contractor,

shall in no way limit the responsibility to indemnify, keep and save harmless and defend the **(insert Member name)**, its officials, employees and agents as herein provided.

Optional Paragraph: The Contractor/Service Provider further agrees that to the extent that money is due the Contractor/Service Provider by virtue of this contract as shall be considered necessary in the judgment of the **(insert Member name)**, may be retained by the **(insert Member name)** to protect itself against said loss until such claims, suits, or judgments shall have been settled or discharged and/or evidence to that effect shall have been furnished to the satisfaction of the **(insert Member name)**.

III. **SAFETY/LOSS PREVENTION**

It is recommended that the following requirements be included in some form in all **(insert Member name)** bid packets and that compliance be confirmed prior to initiation of contract work:

Safety/Loss Prevention Program Requirements

- Successful bidder will provide written confirmation that a safety/loss prevention program was in place at least 90 days prior to submitting the bid proposal.
- Evidence of completed employee safety training can be provided.

Regulatory Requirements

- Successful bidder must comply with all applicable laws, regulations, and rules promulgated by any Federal, State, County, Municipal and/or other governmental unit or regulatory body now in effect or which may be in effect during the performance of the work. Included within the scope of the laws, regulations, and rules referred to in this paragraph but in no way to operate as a limitation, are Occupational Safety & Health Act (OSHA), Illinois Department of Labor (IDOL), Department of Transportation, all forms of traffic regulations, public utility, Intrastate and Interstate Commerce Commission regulations, Workers' Compensation Laws, Prevailing Wage Laws, the Social Security Act of the Federal Government and any of its titles, the Illinois Department of Human Rights, Human Rights Commission, or EEOC statutory provisions and rules and regulations.
- Evidence of specific regulatory compliance will be provided by bidder, if required by owner.

Adopted 1/2002
Revised 2/2005
Revised 1/2011
Revised 6/2011
Revised 5/2013
Revised 2/2015
Revised 6/2018

EXHIBIT A

POLICY NUMBER:

COMMERCIAL GENERAL LIABILITY
CG 20 10 07 04

THIS ENDORSEMENT CHANGES THE POLICY. PLEASE READ IT CAREFULLY.

**ADDITIONAL INSURED – OWNERS, LESSEES OR
CONTRACTORS – SCHEDULED PERSON OR
ORGANIZATION**

This endorsement modifies insurance provided under the following:

COMMERCIAL GENERAL LIABILITY COVERAGE PART

SCHEDULE

Name Of Additional Insured Person(s) Or Organization(s):	Location(s) Of Covered Operations
Information required to complete this Schedule, if not shown above, will be shown in the Declarations.	

A. Section II – Who Is An Insured is amended to include as an additional insured, the person(s) or organization(s) shown in the Schedule, but only with respect to liability for "bodily injury", "property damage" or "personal and advertising injury" caused, in whole or in part, by:

1. Your acts or omissions; or
2. The acts or omissions of those acting on your behalf;

in the performance of your ongoing operations for the additional insured(s) at the location(s) designated above.

B. With respect to the insurance afforded to these additional insureds, the following additional exclusions apply:

This insurance does not apply to "bodily injury" or "property damage" occurring after:

1. All work, including materials, parts or equipment furnished in connection with such work, on the project (other than service, maintenance or repairs) to be performed by or on behalf of the additional insured(s) at the location of the covered operations has been completed; or
2. That portion of "your work" out of which the injury or damage arises has been put to its intended use by any person or organization other than another contractor or subcontractor engaged in performing operations for a principal as a part of the same project.

EXHIBIT B

POLICY NUMBER:

**COMMERCIAL GENERAL LIABILITY
CG 20 26 07 04**

THIS ENDORSEMENT CHANGES THE POLICY. PLEASE READ IT CAREFULLY.

**ADDITIONAL INSURED – DESIGNATED
PERSON OR ORGANIZATION**

This endorsement modifies insurance provided under the following:

COMMERCIAL GENERAL LIABILITY COVERAGE PART

SCHEDULE

Name Of Additional Insured Person(s) Or Organization(s)
<p>Information required to complete this Schedule, if not shown above, will be shown in the Declarations.</p>

Section II – Who Is An Insured is amended to include as an additional insured the person(s) or organization(s) shown in the Schedule, but only with respect to liability for "bodily injury", "property damage" or "personal and advertising injury" caused, in whole or in part, by your acts or omissions or the acts or omissions of those acting on your behalf:

- A. In the performance of your ongoing operations; or
- B. In connection with your premises owned by or rented to you.

EXHIBIT C

COMMERCIAL GENERAL LIABILITY
CG 20 01 04 13

THIS ENDORSEMENT CHANGES THE POLICY. PLEASE READ IT CAREFULLY.

**PRIMARY AND NONCONTRIBUTORY –
OTHER INSURANCE CONDITION**

This endorsement modifies insurance provided under the following:

COMMERCIAL GENERAL LIABILITY COVERAGE PART
PRODUCTS/COMPLETED OPERATIONS LIABILITY COVERAGE PART

The following is added to the **Other Insurance Condition** and supersedes any provision to the contrary:

Primary And Noncontributory Insurance

This insurance is primary to and will not seek contribution from any other insurance available to an additional insured under your policy provided that:

(1) The additional insured is a Named Insured under such other insurance; and

(2) You have agreed in writing in a contract or agreement that this insurance would be primary and would not seek contribution from any other insurance available to the additional insured.

**EXHIBIT
D**

POLICY NUMBER:

COMMERCIAL GENERAL LIABILITY
CG 20 37 07 04

THIS ENDORSEMENT CHANGES THE POLICY. PLEASE READ IT CAREFULLY.

**ADDITIONAL INSURED – OWNERS, LESSEES OR
CONTRACTORS – COMPLETED OPERATIONS**

This endorsement modifies insurance provided under the following:

COMMERCIAL GENERAL LIABILITY COVERAGE PART

SCHEDULE

Name Of Additional Insured Person(s) Or Organization(s):	Location And Description Of Completed Operations

Information required to complete this Schedule, if not shown above, will be shown in the Declarations.

Section II – Who Is An Insured is amended to include as an additional insured the person(s) or organization(s) shown in the Schedule, but only with respect to liability for "bodily injury" or "property damage" caused, in whole or in part, by "your work" at the location designated and described in the schedule of this endorsement performed for that additional insured and included in the "products-completed operations hazard".

Sec. 2-219. - When bids required.

- (a) Any work or other public improvement which is not to be paid for in whole or in part by special assessment or special taxation, when the expense thereof shall exceed twenty-five thousand dollars (\$25,000.00), shall be constructed by a contract let to the lowest responsible bidder after advertising for bids, unless waived by a vote of two-thirds of all trustees then holding office.
- (b) A responsible bidder for the construction of public works projects shall meet and submit evidence of compliance with the following requirements:
 - (1) All applicable laws prerequisite to doing business in the State of Illinois;
 - (2) A federal employer tax identification number or Social Security number;
 - (3) Provision of Section 2000(e) of Chapter 21, Title 42 of the United States Code and Federal Executive Order No. 11246, as amended by Executive Order No. 11375 (known as the "Equal Opportunity Employer" provisions);
 - (4) Certificates of insurance indicating the following coverage's: general liability, worker's compensation, completed operations, automobile, hazardous occupation and product liability;
 - (5) Compliance with all provisions of the Illinois Prevailing Wage Act, including wages, medical and hospitalization insurance and retirement for those trades covered in the Act;
 - (6) The bidder and all bidder's subcontractors must participate in active apprenticeship and training programs approved and registered with the United States Department of Labor's Bureau of Apprenticeship and Training for each of the trades of work contemplated under the proposed contract;
 - (7) All contractors and subcontractors are required to file certified payrolls as specified in Illinois Public Act 94-0515, and follow all provisions of the Employee Classification Act (820 ILCS 185/1 et seq.); and
 - (8) All bidders must provide three (3) projects of a similar nature constructed in the immediate past five (5) years with the name, address and telephone number of the contact person having knowledge of the project along with three (3) references (name, address and telephone number) with knowledge of the integrity and business practices of the bidder.

(Ord. No. 1799, §§ 4, 5, 6-19-78; Ord. No. 2511, § 4, 8-5-91; Ord. No. 2634, § 2, 6-7-93; Ord. No. 3067, § 3, 11-20-00; Ord. No. 3688, § 1, 2-13-12; Ord. No. 3733, § 1, 2-11-13; [Ord. No. 4005](#), § 1, 12-4-17)

APPENDIX 4:

- STORM WATER POLLUTION PREVENTION PLAN
- IEPA NOTICE OF INTENT (NOI)
- IEPA INCIDENCE OF NON-COMPLIANCE (ION)
- IEPA NOTICE OF TERMINATION (NOT)

NOT FOR BID



Route Various Streets	Marked Route	Section Number
Project Number	County Dupage	Contract Number

This plan has been prepared to comply with the provisions of the National Pollutant Discharge Elimination System (NPDES) Permit No. ILR10 (Permit ILR10), issued by the Illinois Environmental Protection Agency (IEPA) for storm water discharges from construction site activities.

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gathered and evaluated the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Signature	Date

Print Name Michael Guerra	Title Public Works Director	Agency Village of Villa Park
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Note: Guidance on preparing each section of BDE 2342 can be found in Chapter 41 of the IDOT Bureau of Design and Environment (BDE) Manual. Chapter 41 and this form also reference the IDOT Drainage Manual which should be readily available.

I. Site Description:

A. Provide a description of the project location; include latitude and longitude, section, town, and range:

Project includes various streets in the northeast portion of the Village of Villa Park. Latitude: 41.89430, Lat: -87.97134

B. Provide a description of the construction activity which is the subject of this plan. Include the number of construction stages, drainage improvements, in-stream work, installation, maintenance, removal of erosion measures, and permanent stabilization:

Resurfacing of various streets, installation of new storm sewers, manholes, inlets, and catch basins. Removal and replacement of sidewalk, driveways, curb and gutter, and drainage and utility improvements.

C. Provide the estimated duration of this project:

D. The total area of the construction site is estimated to be 11.13 acres.

The total area of the site estimated to be disturbed by excavation, grading or other activities is _____ acres.

E. The following are weighted averages of the runoff coefficient for this project before and after construction activities are completed; see Section 4-102 of the IDOT Drainage Manual:

C=0.40

F. List all soils found within project boundaries; include map unit name, slope information, and erosivity:

See attached Geotechnical Engineering Services Report

G. If wetlands were delineated for this project, provide an extent of wetland acreage at the site; see Phase I report:

Not Applicable

H. Provide a description of potentially erosive areas associated with this project:

This project is located within residential areas of the Village. There are little to no concerns regarding corrosive areas.

I. The following is a description of soil disturbing activities by stages, their locations, and their erosive factors (e.g., steepness of slopes, length of slopes, etc.):

J. See the erosion control plans and/or drainage plans for this contract for information regarding drainage patterns, approximate slopes anticipated before and after major grading activities, locations where vehicles enter or exit the site and controls to prevent offsite sediment tracking (to be added after contractor identifies locations), areas of soil disturbance, the location of major structural and non-structural controls identified in the plan, the location of areas where stabilization practices are expected to occur, surface waters (including wetlands) , and locations where storm water is discharged to surface water including wetlands.

K. Identify who owns the drainage system (municipality or agency) this project will drain into:

The drainage system is owned by the Village of Villa Park.

L. The following is a list of General NPDES ILR40 permittees within whose reporting jurisdiction this project is located:

Village of Villa Park

M. The following is a list of receiving water(s) and the ultimate receiving water(s) for this site. In addition, include receiving waters that are listed as Biologically Significant Streams by the Illinois Department of Natural Resources (IDNR). The location of the receiving waters can be found on the erosion and sediment control plans:

N. Describe areas of the site that are to be protected or remain undisturbed. These areas may include steep slopes (i.e., 1:3 or steeper), highly erodible soils, streams, stream buffers, specimen trees, natural vegetation, nature preserves, etc. Include any commitments or requirements to protect adjacent wetlands.

For any storm water discharges from construction activities within 50-feet of Waters of the U.S. (except for activities for water-dependent structures authorized by a Section 404 permit, describe: a) How a 50-foot undisturbed natural buffer will be provided between the construction activity and the Waters of the U.S. or b) How additional erosion and sediment controls will be provided within that area.

Trees not slated for removal will be protected with a tree protection fence during the construction.

O. Per the Phase I document, the following sensitive environmental resources are associated with this project and may have the potential to be impacted by the proposed development. Further guidance on these resources is available in Section 41-4 of the BDE Manual.

303(d) Listed receiving waters for suspended solids, turbidity, or siltation.
The name(s) of the listed water body, and identification of all pollutants causing impairment:

Provide a description of how erosion and sediment control practices will prevent a discharge of sediment resulting from a storm event equal to or greater than a twenty-five (25) year, twenty-four (24) hour rainfall event:

Provide a description of the location(s) of direct discharge from the project site to the 303(d) water body:

Provide a description of the location(s) of any dewatering discharges to the MS4 and/or water body:

Applicable Federal, Tribal, State, or Local Programs

Floodplain

Historic Preservation

Receiving waters with Total Maximum Daily Load (TMDL) for sediment, total suspended solids, turbidity or siltation

TMDL (fill out this section if checked above)

The name(s) of the listed water body:

Provide a description of the erosion and sediment control strategy that will be incorporated into the site design that is consistent with the assumptions and requirements of the TMDL:

If a specific numeric waste load allocation has been established that would apply to the project's discharges, provide a description of the necessary steps to meet that allocation:

Threatened and Endangered Species/Illinois Natural Areas (INAI)/Nature Preserves

Other

Wetland

P. The following pollutants of concern will be associated with this construction project:

Antifreeze / Coolants

Concrete

Concrete Curing Compounds

Concrete Truck Waste

Fertilizers / Pesticides

Paints

Petroleum (gas, diesel, oil, kerosene, hydraulic oil / fluids)

Soil Sediment

Solid Waste Debris

Solvents

Waste water from cleaning construction equipments

Other (Specify) _____

Other (Specify) _____

Other (Specify) _____

Other (Specify) _____

Other (Specify) _____

II. Controls:

This section of the plan addresses the controls that will be implemented for each of the major construction activities described in Section I.C above and for all use areas, borrow sites, and waste sites. For each measure discussed, the Contractor will be responsible for its implementation as indicated. The Contractor shall provide to the Resident Engineer a plan for the implementation of the measures indicated. The Contractor, and subcontractors, will notify the Resident Engineer of any proposed changes, maintenance, or modifications to keep construction activities compliant with the Permit ILR10. Each such Contractor has signed the required certification on forms which are attached to, and are a part of, this plan:

A. **Erosion and Sediment Controls:** At a minimum, controls must be coordinated, installed and maintained to:

1. Minimize the amount of soil exposed during construction activity;
2. Minimize the disturbance of steep slopes;
3. Maintain natural buffers around surface waters, direct storm water to vegetated areas to increase sediment removal and maximize storm water infiltration, unless infeasible;
4. Minimize soil compaction and, unless infeasible, preserve topsoil.



Route Various Streets	Marked Route	Section Number
Project Number	County Dupage	Contract Number

This plan has been prepared to comply with the provisions of the National Pollutant Discharge Elimination System (NPDES) Permit No. ILR10 (Permit ILR10), issued by the Illinois Environmental Protection Agency (IEPA) for storm water discharges from construction site activities.

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gathered and evaluated the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Signature	Date

Print Name Michael Guerra	Title Public Works Director	Agency Village of Villa Park
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Note: Guidance on preparing each section of BDE 2342 can be found in Chapter 41 of the IDOT Bureau of Design and Environment (BDE) Manual. Chapter 41 and this form also reference the IDOT Drainage Manual which should be readily available.

I. Site Description:

A. Provide a description of the project location; include latitude and longitude, section, town, and range:

Project includes various streets in the northeast portion of the Village of Villa Park. Latitude: 41.89430, Lat: -87.97134

B. Provide a description of the construction activity which is the subject of this plan. Include the number of construction stages, drainage improvements, in-stream work, installation, maintenance, removal of erosion measures, and permanent stabilization:

Resurfacing of various streets, installation of new storm sewers, manholes, inlets, and catch basins. Removal and replacement of sidewalk, driveways, curb and gutter, and drainage and utility improvements.

C. Provide the estimated duration of this project:

D. The total area of the construction site is estimated to be 11.13 acres.

The total area of the site estimated to be disturbed by excavation, grading or other activities is _____ acres.

E. The following are weighted averages of the runoff coefficient for this project before and after construction activities are completed; see Section 4-102 of the IDOT Drainage Manual:

C=0.40

F. List all soils found within project boundaries; include map unit name, slope information, and erosivity:

See attached Geotechnical Engineering Services Report

G. If wetlands were delineated for this project, provide an extent of wetland acreage at the site; see Phase I report:

Not Applicable

H. Provide a description of potentially erosive areas associated with this project:

This project is located within residential areas of the Village. There are little to no concerns regarding corrosive areas.

I. The following is a description of soil disturbing activities by stages, their locations, and their erosive factors (e.g., steepness of slopes, length of slopes, etc.):

J. See the erosion control plans and/or drainage plans for this contract for information regarding drainage patterns, approximate slopes anticipated before and after major grading activities, locations where vehicles enter or exit the site and controls to prevent offsite sediment tracking (to be added after contractor identifies locations), areas of soil disturbance, the location of major structural and non-structural controls identified in the plan, the location of areas where stabilization practices are expected to occur, surface waters (including wetlands) , and locations where storm water is discharged to surface water including wetlands.

K. Identify who owns the drainage system (municipality or agency) this project will drain into:

The drainage system is owned by the Village of Villa Park.

L. The following is a list of General NPDES ILR40 permittees within whose reporting jurisdiction this project is located:

Village of Villa Park

M. The following is a list of receiving water(s) and the ultimate receiving water(s) for this site. In addition, include receiving waters that are listed as Biologically Significant Streams by the Illinois Department of Natural Resources (IDNR). The location of the receiving waters can be found on the erosion and sediment control plans:

N. Describe areas of the site that are to be protected or remain undisturbed. These areas may include steep slopes (i.e., 1:3 or steeper), highly erodible soils, streams, stream buffers, specimen trees, natural vegetation, nature preserves, etc. Include any commitments or requirements to protect adjacent wetlands.

For any storm water discharges from construction activities within 50-feet of Waters of the U.S. (except for activities for water-dependent structures authorized by a Section 404 permit, describe: a) How a 50-foot undisturbed natural buffer will be provided between the construction activity and the Waters of the U.S. or b) How additional erosion and sediment controls will be provided within that area.

Trees not slated for removal will be protected with a tree protection fence during the construction.

O. Per the Phase I document, the following sensitive environmental resources are associated with this project and may have the potential to be impacted by the proposed development. Further guidance on these resources is available in Section 41-4 of the BDE Manual.

303(d) Listed receiving waters for suspended solids, turbidity, or siltation.
The name(s) of the listed water body, and identification of all pollutants causing impairment:

Provide a description of how erosion and sediment control practices will prevent a discharge of sediment resulting from a storm event equal to or greater than a twenty-five (25) year, twenty-four (24) hour rainfall event:

Provide a description of the location(s) of direct discharge from the project site to the 303(d) water body:

Provide a description of the location(s) of any dewatering discharges to the MS4 and/or water body:

Applicable Federal, Tribal, State, or Local Programs

Floodplain

Historic Preservation

Receiving waters with Total Maximum Daily Load (TMDL) for sediment, total suspended solids, turbidity or siltation
TMDL (fill out this section if checked above)

The name(s) of the listed water body:

Provide a description of the erosion and sediment control strategy that will be incorporated into the site design that is consistent with the assumptions and requirements of the TMDL:

If a specific numeric waste load allocation has been established that would apply to the project's discharges, provide a description of the necessary steps to meet that allocation:

Threatened and Endangered Species/Illinois Natural Areas (INAI)/Nature Preserves

Other

Wetland

P. The following pollutants of concern will be associated with this construction project:

Antifreeze / Coolants

Concrete

Concrete Curing Compounds

Concrete Truck Waste

Fertilizers / Pesticides

Paints

Petroleum (gas, diesel, oil, kerosene, hydraulic oil / fluids)

Soil Sediment

Solid Waste Debris

Solvents

Waste water from cleaning construction equipments

Other (Specify) _____

Other (Specify) _____

Other (Specify) _____

Other (Specify) _____

Other (Specify) _____

II. Controls:

This section of the plan addresses the controls that will be implemented for each of the major construction activities described in Section I.C above and for all use areas, borrow sites, and waste sites. For each measure discussed, the Contractor will be responsible for its implementation as indicated. The Contractor shall provide to the Resident Engineer a plan for the implementation of the measures indicated. The Contractor, and subcontractors, will notify the Resident Engineer of any proposed changes, maintenance, or modifications to keep construction activities compliant with the Permit ILR10. Each such Contractor has signed the required certification on forms which are attached to, and are a part of, this plan:

A. **Erosion and Sediment Controls:** At a minimum, controls must be coordinated, installed and maintained to:

1. Minimize the amount of soil exposed during construction activity;
2. Minimize the disturbance of steep slopes;
3. Maintain natural buffers around surface waters, direct storm water to vegetated areas to increase sediment removal and maximize storm water infiltration, unless infeasible;
4. Minimize soil compaction and, unless infeasible, preserve topsoil.

B. Stabilization Practices: Provided below is a description of interim and permanent stabilization practices, including site- specific scheduling of the implementation of the practices. Site plans will ensure that existing vegetation is preserved where attainable and disturbed portions of the site will be stabilized. Stabilization practices may include but are not limited to: temporary seeding, permanent seeding, mulching, geotextiles, sodding, vegetative buffer strips, protection of trees, preservation of mature vegetation, and other appropriate measures. Except as provided below in II.B.1 and II.B.2, stabilization measures shall be initiated **immediately** where construction activities have temporarily or permanently ceased, but in no case more than **one (1) day** after the construction activity in that portion of the site has temporarily or permanently ceases on all disturbed portions of the site where construction will not occur for a period of fourteen (14) or more calendar days.

1. Where the initiation of stabilization measures is precluded by snow cover, stabilization measures shall be initiated as soon as practicable.
2. On areas where construction activity has temporarily ceased and will resume after fourteen (14) days, a temporary stabilization method can be used.

The following stabilization practices will be used for this project:

- | | |
|---|--|
| <input type="checkbox"/> Erosion Control Blanket / Mulching | <input type="checkbox"/> Temporary Turf (Seeding, Class 7) |
| <input type="checkbox"/> Geotextiles | <input type="checkbox"/> Temporary Mulching |
| <input type="checkbox"/> Permanent Seeding | <input type="checkbox"/> Vegetated Buffer Strips |
| <input type="checkbox"/> Preservation of Mature Seeding | <input type="checkbox"/> Other (Specify) _____ |
| <input checked="" type="checkbox"/> Protection of Trees | <input type="checkbox"/> Other (Specify) _____ |
| <input checked="" type="checkbox"/> Sodding | <input type="checkbox"/> Other (Specify) _____ |
| <input type="checkbox"/> Temporary Erosion Control Seeding | <input type="checkbox"/> Other (Specify) _____ |

Describe how the stabilization practices listed above will be utilized during construction:

Describe how the stabilization practices listed above will be utilized after construction activities have been completed:

Disturbed areas of will be stabilized with the use of sod.

C. Structural Practices: Provided below is a description of structural practices that will be implemented, to the degree attainable, to divert flows from exposed soils, store flows or otherwise limit runoff and the discharge of pollutants from exposed areas of the site. Such practices may include but are not limited to: perimeter erosion barrier, earth dikes, drainage swales, sediment traps, ditch checks, subsurface drains, pipe slope drains, level spreaders, storm drain inlet protection, rock outlet protection, reinforced soil retaining systems, gabions, and temporary or permanent sediment basins. The installation of these devices may be subject to Section 404 of the Clean Water Act.

- | | |
|--|--|
| <input type="checkbox"/> Aggregate Ditch | <input type="checkbox"/> Stabilized Construction Exits |
| <input type="checkbox"/> Concrete Revetment Mats | <input type="checkbox"/> Stabilized Trench Flow |
| <input type="checkbox"/> Dust Suppression | <input type="checkbox"/> Slope Mattress |
| <input type="checkbox"/> Dewatering Filtering | <input type="checkbox"/> Slope Walls |
| <input type="checkbox"/> Gabions | <input type="checkbox"/> Temporary Ditch Check |
| <input type="checkbox"/> In-Stream or Wetland Work | <input type="checkbox"/> Temporary Pipe Slope Drain |
| <input type="checkbox"/> Level Spreaders | <input type="checkbox"/> Temporary Sediment Basin |
| <input type="checkbox"/> Paved Ditch | <input type="checkbox"/> Temporary Stream Crossing |
| <input type="checkbox"/> Permanent Check Dams | <input type="checkbox"/> Turf Reinforcement Mats |
| <input type="checkbox"/> Perimeter Erosion Barrier | <input type="checkbox"/> Other (Specify) _____ |
| <input type="checkbox"/> Permanent Sediment Basin | <input type="checkbox"/> Other (Specify) _____ |
| <input type="checkbox"/> Retaining Walls | <input type="checkbox"/> Other (Specify) _____ |
| <input type="checkbox"/> Riprap | <input type="checkbox"/> Other (Specify) _____ |
| <input type="checkbox"/> Rock Outlet Protection | <input type="checkbox"/> Other (Specify) _____ |
| <input type="checkbox"/> Sediment Trap | <input type="checkbox"/> Other (Specify) _____ |
| <input checked="" type="checkbox"/> Storm Drain Inlet Protection | <input type="checkbox"/> Other (Specify) _____ |

Describe how the structural practices listed above will be utilized during construction:

Storm Drain Inlet Protection: Inlet filters will be installed on all open grate structures to prevent contaminants from entering the system.

Describe how the structural practices listed above will be utilized after construction activities have been completed:

D. Treatment Chemicals

Will polymer flocculants or treatment chemicals be utilized on this project: Yes No

If yes above, identify where and how polymer flocculants or treatment chemicals will be utilized on this project.

E. Permanent (i.e., Post-Construction) Storm Water Management Controls: Provided below is a description of measures that will be installed during the construction process to control volume and pollutants in storm water discharges that will occur after construction operations have been completed. The installation of these devices may be subject to Section 404 of the Clean Water Act.

1. Such practices may include but are not limited to: storm water detention structures (including wet ponds), storm water retention structures, flow attenuation by use of open vegetated swales and natural depressions, infiltration of runoff on site, and sequential systems (which combine several practices).

The practices selected for implementation were determined based on the technical guidance in Chapter 41 (Construction Site Storm Water Pollution Control) of the IDOT BDE Manual. If practices other than those discussed in Chapter 41 are selected for implementation or if practices are applied to situations different from those covered in Chapter 41, the technical basis for such decisions will be explained below.

2. Velocity dissipation devices will be placed at discharge locations and along the length of any outfall channel as necessary to provide a non-erosive velocity flow from the structure to a water course so that the natural physical and biological characteristics and functions are maintained and protected (e.g., maintenance of hydrologic conditions such as the hydroperiod and hydrodynamics present prior to the initiation of construction activities).

Description of permanent storm water management controls:

F. Approved State or Local Laws: The management practices, controls and provisions contained in this plan will be in accordance with IDOT specifications, which are at least as protective as the requirements contained in the IEPA's Illinois Urban Manual. Procedures and requirements specified in applicable sediment and erosion site plans or storm water management plans approved by local officials shall be described or incorporated by reference in the space provided below. Requirements specified in sediment and erosion site plans, site permits, storm water management site plans or site permits approved by local officials that are applicable to protecting surface water resources are, upon submittal of an NOI, to be authorized to discharge under the Permit ILR10 incorporated by reference and are enforceable under this permit even if they are not specifically included in the plan.

Description of procedures and requirements specified in applicable sediment and erosion site plans or storm water management plans approved by local officials:

All practices and procedures shall be in accordance with the IDOT Standard Specifications for Road and Bridge Construction.

G. Contractor Required Submittals: Prior to conducting any professional services at the site covered by this plan, the Contractor and each subcontractor responsible for compliance with the permit shall submit to the Resident Engineer a Contractor Certification Statement, BDE 2342A.

1. The Contractor shall provide a construction schedule containing an adequate level of detail to show major activities with implementation of pollution prevention BMPs, including the following items:

- Approximate duration of the project, including each stage of the project
- Rainy season, dry season, and winter shutdown dates
- Temporary stabilization measures to be employed by contract phases
- Mobilization time-frame
- Mass clearing and grubbing/roadside clearing dates
- Deployment of Erosion Control Practices

- Deployment of Sediment Control Practices (including stabilized cons
 - Deployment of Construction Site Management Practices (including concrete washout facilities, chemical storage, refueling locations, etc.)
 - Paving, saw-cutting, and any other pavement related operations
 - Major planned stockpiling operation
 - Time frame for other significant long-term operations or activities that may plan non-storm water discharges as dewatering, grinding, etc
 - Permanent stabilization activities for each area of the project
2. During the pre-construction meeting, the Contractor and each subcontractor shall provide, as an attachment to their signed Contractor Certification Statement, a discussion of how they will comply with the requirements of the permit in regard to the following items and provide a graphical representation showing location and type of BMPs to be used when applicable:
- Temporary Ditch Checks - Identify what type and the source of Temporary Ditch Checks that will be installed as part of the project. The installation details will then be included with the SWPPP.
 - Vehicle Entrances and Exits - Identify type and location of stabilized construction entrances and exits to be used and how they will be maintained.
 - Material Delivery, Storage and Use - Discuss where and how materials including chemicals, concrete curing compounds, petroleum products, etc. will be stored for this project.
 - Stockpile Management - Identify the location of both on-site and off-site stockpiles. Discuss what BMPs will be used to prevent pollution of storm water from stockpiles.
 - Waste Disposal - Discuss methods of waste disposal that will be used for this project.
 - Spill Prevention and Control - Discuss steps that will be taken in the event of a material spill (chemicals, concrete curing compounds, petroleum, etc.)
 - Concrete Residuals and Washout Wastes - Discuss the location and type of concrete washout facilities to be used on this project and how they will be signed and maintained.
 - Litter Management - Discuss how litter will be maintained for this project (education of employees, number of dumpsters, frequency of dumpster pick-up, etc.).
 - Vehicle and Equipment Fueling - Identify equipment fueling locations for this project and what BMPs will be used to ensure containment and spill prevention.
 - Vehicle and Equipment Cleaning and Maintenance - Identify where equipment cleaning and maintenance locations for this project and what BMPs will be used to ensure containment and spill prevention.
 - Dewatering Activities - Identify the controls which will be used during dewatering operations to ensure sediments will not leave the construction site.
 - Polymer Flocculants and Treatment Chemicals - Identify the use and dosage of treatment chemicals and provide the Resident Engineer with Material Safety Data Sheets. Describe procedures on how the chemicals will be used and identify who will be responsible for the use and application of these chemicals. The selected individual must be trained on the established procedures.
 - Additional measures indicated in the plan.

III. Maintenance:

When requested by the Contractor, the Resident Engineer will provide general maintenance guides (e.g., IDOT Erosion and Sediment Control Field Guide) to the Contractor for the practices associated with this project. Describe how all items will be checked for structural integrity, sediment accumulation and functionality. Any damage or undermining shall be repaired immediately. Provide specifics on how repairs will be made. The following additional procedures will be used to maintain, in good and effective operating conditions, the vegetation, erosion and sediment control measures and other protective measures identified in this plan. It will be the Contractor's responsibility to attain maintenance guidelines for any manufactured BMPs which are to be installed and maintained per manufacture's specifications.

IV. Inspections:

Qualified personnel shall inspect disturbed areas of the construction site including Borrow, Waste, and Use Areas, which have not yet been finally stabilized, structural control measures, and locations where vehicles and equipment enter and exit the site using IDOT Storm Water Pollution Prevention Plan Erosion Control Inspection Report, BC 2259. Such inspections shall be conducted at least once every seven (7) calendar days and within twenty-four (24) hours of the end of a storm or by the end of the following business or work day that is 0.5 inch or greater or equivalent snowfall.

Inspections may be reduced to once per month when construction activities have ceased due to frozen conditions. Weekly inspections will recommence when construction activities are conducted, or if there is 0.5" or greater rain event, or a discharge due to snowmelt occurs.

If any violation of the provisions of this plan is identified during the conduct of the construction work covered by this plan, the Resident

Engineer shall notify the appropriate IEPA Field Operations Section office by email at: epa.swnoncomp@illinois.gov, telephone or fax within twenty-four (24) hours of the incident. The Resident Engineer shall then complete and submit an "Incidence of Non-Compliance" (ION) report for the identified violation within five (5) days of the incident. The Resident Engineer shall use forms provided by IEPA and shall include specific information on the cause of noncompliance, actions which were taken to prevent any further causes of noncompliance, and a statement detailing any environmental impact which may have resulted from the noncompliance. All reports of non-compliance shall be signed by a responsible authority in accordance with Part VI. G of the Permit ILR10.

The Incidence of Non-Compliance shall be mailed to the following address:

Illinois Environmental Protection Agency
Division of Water Pollution Control
Attn: Compliance Assurance Section
1021 North Grand East
Post Office Box 19276
Springfield, Illinois 62794-9276

V. Failure to Comply:

Failure to comply with any provisions of this Storm Water Pollution Prevention Plan will result in the implementation of a National Pollutant Discharge Elimination System/Erosion and Sediment Control Deficiency Deduction against the Contractor and/or penalties under the Permit ILR10 which could be passed on to the Contractor.

NOT FOR BID



Contractor Certification Statement



Prior to conducting any professional services at the site covered by this contract, the Contractor and every subcontractor must complete and return to the Resident Engineer the following certification. A separate certification must be submitted by each firm. Attach to this certification all items required by Section II.G of the Storm Water Pollution Prevention Plan (SWPPP) which will be handled by the Contractor/subcontractor completing this form.

Route	Marked Route	Section Number
<input type="text"/>	<input type="text"/>	<input type="text"/>
Project Number	County	Contract Number
<input type="text"/>	<input type="text"/>	<input type="text"/>

This certification statement is a part of SWPPP for the project described above, in accordance with the General NPDES Permit No. ILR10 issued by the Illinois Environmental Protection Agency.

I certify under penalty of law that I understand the terms of the Permit No. ILR 10 that authorizes the storm water discharges associated with industrial activity from the construction site identified as part of this certification.

Additionally, I have read and understand all of the information and requirements stated in SWPPP for the above mentioned project; I have received copies of all appropriate maintenance procedures; and, I have provided all documentation required to be in compliance with the Permit ILR10 and SWPPP and will provide timely updates to these documents as necessary.

- Contractor
- Sub-Contractor

Signature	Date		
<input type="text"/>	<input type="text"/>		
Print Name	Title		
<input type="text"/>	<input type="text"/>		
Name of Firm	Phone		
<input type="text"/>	<input type="text"/>		
Street Address	City	State	Zip Code
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
Items which this Contractor/subcontractor will be responsible for as required in Section II.G. of SWPPP			
<input type="text"/>			



Illinois Environmental Protection Agency

1021 North Grand Avenue East • P.O. Box 19276 • Springfield • Illinois • 62794-9276 • (217) 782-3397

Division of Water Pollution Control Notice of Intent (NOI) for General Permit to Discharge Storm Water Associated with Construction Site Activities

This fillable form may be completed online, a copy saved locally, printed and signed before it is submitted to the Permit Section at the above address.

For Office Use Only

OWNER INFORMATION

Permit No. ILR10 _____

Company/Owner Name: _____
Mailing Address: _____ Phone: _____
City: _____ State: _____ Zip: _____ Fax: _____
Contact Person: _____ E-mail: _____
Owner Type (select one) _____

CONTRACTOR INFORMATION

MS4 Community: Yes No

Contractor Name: _____
Mailing Address: _____ Phone: _____
City: _____ State: _____ Zip: _____ Fax: _____

CONSTRUCTION SITE INFORMATION

Select One: New Change of information for: ILR10 _____
Project Name: _____ County: _____
Street Address: _____ City: _____ IL Zip: _____
Latitude: _____ Longitude: _____
(Deg) (Min) (Sec) (Deg) (Min) (Sec) Section Township Range
Approximate Construction Start Date _____ Approximate Construction End Date _____

Total size of construction site in acres: _____
If less than 1 acre, is the site part of a larger common plan of development?
 Yes No

Fee Schedule for Construction Sites:
Less than 5 acres - \$250
5 or more acres - \$750

STORM WATER POLLUTION PREVENTION PLAN (SWPPP)

Has the SWPPP been submitted to the Agency? Yes No

(Submit SWPPP electronically to: epa.constilr10swppp@illinois.gov)

Location of SWPPP for viewing: Address: _____ City: _____

SWPPP contact information: _____ Inspector qualifications: _____
Contact Name: _____
Phone: _____ Fax: _____ E-mail: _____

Project inspector, if different from above _____ Inspector qualifications: _____
Inspector's Name: _____
Phone: _____ Fax: _____ E-mail: _____

This Agency is authorized to require this information under Section 4 and Title X of the Environmental Protection Act (415 ILCS 5/4, 5/39). Failure to disclose this information may result in: a civil penalty of not to exceed \$50,000 for the violation and an additional civil penalty of not to exceed \$10,000 for each day during which the violation continues (415 ILCS 5/42) and may also prevent this form from being processed and could result in your application being denied. This form has been approved by the Forms Management Center.

TYPE OF CONSTRUCTION (select one)

Construction Type Residential

SIC Code: _____

Type a detailed description of the project:

Resurfacing of various streets, installation of new storm sewers, manholes, inlets and catch basins. Removal and replacement of sidewalk, driveways, curb and gutter and drainage and utility improvements.

HISTORIC PRESERVATION AND ENDANGERED SPECIES COMPLIANCE

Has the project been submitted to the following state agencies to satisfy applicable requirements for compliance with Illinois law on:

Historic Preservation Agency Yes No

Endangered Species Yes No

RECEIVING WATER INFORMATION

Does your storm water discharge directly to: Waters of the State or Storm Sewer

Owner of storm sewer system: _____

Name of closest receiving water body to which you discharge: _____

Mail completed form to: Illinois Environmental Protection Agency
Division of Water Pollution Control
Attn: Permit Section
Post Office Box 19276
Springfield, Illinois 62794-9276
or call (217) 782-0610
FAX: (217) 782-9891

Or submit electronically to: epa.constilr10swppp@illinois.gov

I certify under penalty of law that this document and all attachments were prepared under my direction and supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage this system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment. In addition, I certify that the provisions of the permit, including the development and implementation of a storm water pollution prevention plan and a monitoring program plan, will be complied with.

Any person who knowingly makes a false, fictitious, or fraudulent material statement, orally or in writing, to the Illinois EPA commits a Class 4 felony. A second or subsequent offense after conviction is a Class 3 felony. (415 ILCS 5/44(h))

Owner Signature:

Date:

Printed Name:

Title:

INSTRUCTIONS FOR COMPLETION OF CONSTRUCTION ACTIVITY NOTICE OF INTENT (NOI) FORM

Submit original, electronic or facsimile copies. Facsimile and/or electronic copies should be followed-up with submission of an original signature copy as soon as possible. Please write "copy" under the "For Office Use Only" box in the upper right hand corner of the first page.

This fillable form may be completed online, a copy saved locally, printed and signed before it is submitted to the Permit Section at:

Illinois Environmental Protection Agency
Division of Water Pollution Control
Permit Section
Post Office Box 19276
Springfield, Illinois 62794-9276
or call (217) 782-0610

FAX: (217) 782-9891

Or submit electronically to: epa.constilr10swppp@illinois.gov

Reports must be typed or printed legibly and signed.

Any facility that is not presently covered by the General NPDES Permit for Storm Water Discharges From Construction Site Activities is considered a new facility.

If this is a change in your facility information, renewal, etc., please fill in your permit number on the appropriate line, changes of information or permit renewal notifications do not require a fee.

NOTE: FACILITY LOCATION IS NOT NECESSARILY THE FACILITY MAILING ADDRESS, BUT SHOULD DESCRIBE WHERE THE FACILITY IS LOCATED.

Use the formats given in the following examples for correct form completion.

	Example	Format
Section	12	1 or 2 numerical digits
Township	12N	1 or 2 numerical digits followed by "N" or "S"
Range	12W	1 or 2 numerical digits followed by "E" or "W"

For the Name of Closest Receiving Waters, do not use terms such as ditch or channel. For unnamed tributaries, use terms which include at least a named main tributary such as "Unnamed Tributary to Sugar Creek to Sangamon River."

Submission of initial fee and an electronic submission of Storm Water Pollution Prevention Plan (SWPPP) for Initial Permit prior to the Notice of Intent being considered complete for coverage by the ILR10 General Permits. Please make checks payable to: Illinois EPA at the above address.

Construction sites with less than 5 acres of land disturbance - fee is \$250.

Construction sites with 5 or more acres of land disturbance - fee is \$750.

SWPPP should be submitted electronically to: epa.constilr10swppp@illinois.gov. When submitting electronically, use Project Name and City as indicated on NOI form.



Illinois Environmental Protection Agency

Bureau of Water • 1021 N. Grand Avenue E. • P.O. Box 19276 • Springfield • Illinois • 62794-9276

Division of Water Pollution Control

Construction Site Storm Water Discharge Incidence of Non-Compliance (ION)

This fillable form may be completed online, a copy saved locally, printed and signed before it is submitted to the Compliance Assurance Section at the above address. You may email this completed form to:

epa.swnoncomp@illinois.gov

For Office Use Only
Permit No. ILR10_____

Permittee Information:

Name: _____

Street Address: _____ P.O. Box: _____

City: _____ State: IL Zip Code: _____ County: _____

Phone: _____ Email: _____

Construction Site Information:

Site Name: _____

Street Address: _____

City: _____ State: IL Zip Code: _____

Latitude: _____ Longitude: _____

(Deg) (Min) (Sec) (Deg) (Min) (Sec) Section Township Range

Cause of Non-Compliance

Actions Taken to Prevent Any Further Non-Compliance

Environmental Impact Resulting From the Non-Compliance

Actions Taken to Reduce the Environmental Impact Resulting From the Non-Compliance

Any person who knowingly makes a false, fictitious, or fraudulent material statement, orally or in writing, to the Illinois EPA commits a Class 4 felony. A second or subsequent offense after conviction is a Class 3 felony. (415 ILCS 5/44(h))

Owner Signature:

Date:

Printed Name:

Title:

**DIVISION OF WATER POLLUTION CONTROL
ILLINOIS ENVIRONMENTAL PROTECTION AGENCY
FIELD OPERATIONS SECTION**

GUIDELINES FOR COMPLETION OF INCIDENCE OF NON-COMPLIANCE (ION) FORM

Complete and submit this form for any violation of the Storm Water Pollution Prevention Plan observed during any inspection conducted, including those not required by the SWPPP. Please adhere to the following guidelines:

Initial submission within 24 hours by email, telephone or fax (see region fax numbers) of any incidence of non-compliance for any violation. Submit email copy to: epa.swnoncomp@illinois.gov. After 24 hours notification, submit signed original ION within 5 days to the following address:

Illinois Environmental Protection Agency
Division of Water Pollution Control
Compliance Assurance #19
Post Office Box 19276
Springfield, Illinois 62794-9276

FIELD OPERATIONS HEADQUARTERS
Bruce Yurdin, Manager
Phone: 217/782-3362 Fax: 217/785-1225
EMAIL: epa.swnoncomp@illinois.gov

Region 1 - ROCKFORD
Chuck Corley, Manager
Phone: 815/987-7760 Fax: 815/987-7005

Region 2 - DESPLAINES
Jay Patel, Manager
Phone: 847/294-4000 Fax: 847/294-4058

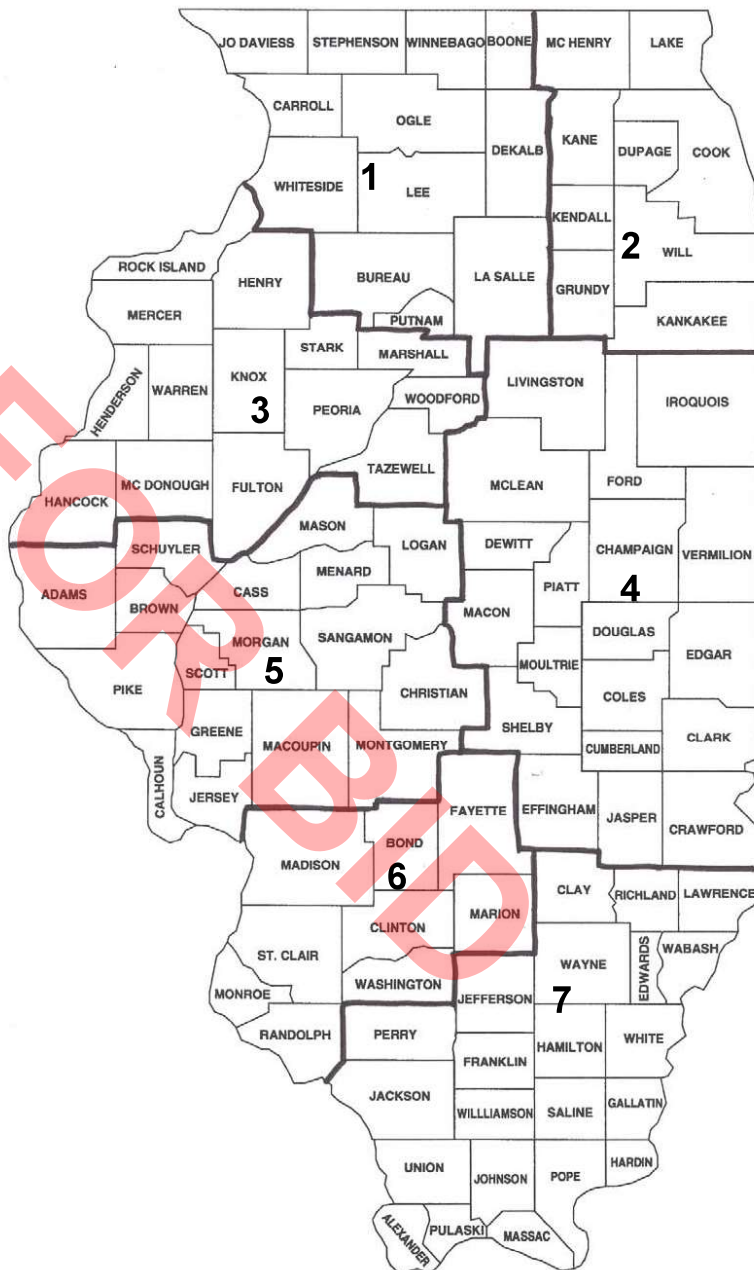
Region 3 - PEORIA
Jim Kammueler, Manager
Phone: 309/693-5463 Fax: 309/693-5467

Region 4 - CHAMPAIGN
Joe Koronkowski, Manager
Phone: 217/278-5800 Fax: 217/278-5808

Region 5 - SPRINGFIELD
Bruce Yurdin, FOS Manager
Phone: 217/782-3362 Fax: 217/785-1225

Region 6 - COLLINSVILLE
Bruce Yurdin, FOS Manager
Phone: 217/782-3362 Fax: 217/785-1225

Region 7- MARION
Byron Marks, Manager
Phone: 618/993-7200 Fax: 618/997-5467





Illinois Environmental Protection Agency

Bureau of Water • 1021 North Grand Avenue East • P.O. Box 19276 • Springfield • Illinois • 62794-9276

Division of Water Pollution Control NOTICE OF TERMINATION (NOT) of Coverage under the General Permit for Storm Water Discharges Associated with Construction Site Activities

This fillable form may be completed online, a copy saved locally, printed and signed before it is submitted to the Permit Section at the above address.

OWNER INFORMATION

Permit No. ILR10 _____

Owner Name: _____
Owner Type (select one) _____
Mailing Address: _____ Phone: _____
City: _____ State: ____ Zip: _____ Fax: _____
Contact Person: _____ E-mail: _____

CONTRACTOR INFORMATION

Contractor Name: _____
Mailing Address: _____ Phone: _____
City: _____ State: ____ Zip: _____ Fax: _____

CONSTRUCTION SITE INFORMATION

Facility Name: _____
Street Address: _____
City: _____ IL Zip: _____ County: _____
NPDES Storm Water General Permit Number: ILR10 _____
Latitude: _____ Longitude: _____
(Deg) (Min) (Sec) (Deg) (Min) (Sec) Section Township Range

DATE PROJECT HAS BEEN COMPLETED AND STABILIZED: _____

NOTE: Coverage under this permit cannot be terminated without the completion date.

I certify under penalty of law that disturbed soils at the identified facility have been finally stabilized or that all storm water discharges associated with industrial activity from the identified facility that are authorized by an NPDES general permit have otherwise been eliminated. I understand that by submitting this notice of termination, that I am no longer authorized to discharge storm water associated with industrial activity by the general permit, and that discharging pollutants in storm water associated with industrial activity to Waters of the State is unlawful under the Environmental Protection Act and the Clean Water Act where the discharge is not authorized by an NPDES Permit.

Any person who knowingly makes a false, fictitious, or fraudulent material statement, orally or in writing, to the Illinois EPA commits a Class 4 felony. A second or subsequent offense after conviction is a Class 3 felony. (415 ILCS 5/44(h))

Owner Signature: _____

Date: _____

Mail completed form to: Illinois Environmental Protection Agency
Division of Water Pollution Control, Attn: Permit Section
1021 North Grand Avenue East
P.O. Box 19276
Springfield, Illinois 62794-9276

(Do not submit additional documentation unless requested)

This Agency is authorized to require this information under Section 4 and Title X of the Environmental Protection Act (415 ILCS 5/4, 5/39). Failure to disclose this information may result in: a civil penalty of not to exceed \$50,000 for the violation and an additional civil penalty of not to exceed \$10,000 for each day during which the violation continues (415 ILCS 5/42) and may also prevent this form from being processed and could result in your application being denied. This form has been approved by the Forms Management Center.

GUIDELINES FOR COMPLETION OF NOTICE OF TERMINATION (NOT) FORM

Please adhere to the following guidelines:

Submit original, electronic or facsimile copies. Facsimile and/or electronic copies should be followed-up with submission of an original signature copy as soon as possible.

Submit completed forms to:

Illinois Environmental Protection Agency
Division of Water Pollution Control, Attn: Permit Section
1021 North Grand Avenue East
P.O. Box 19276
Springfield, Illinois 62794-9276
or call (217) 782-0610
FAX: (217) 782-9891

Or submit electronically to: epa.constilr10swppp@illinois.gov

Reports must be typed or printed legibly and signed.

NOTE: FACILITY LOCATION IS NOT NECESSARILY THE FACILITY MAILING ADDRESS, BUT SHOULD DESCRIBE WHERE THE FACILITY IS LOCATED.

Use the formats given in the following examples for correct form completion.

	Example	Format
Section	12	1 or 2 numerical digits
Township	12N	1 or 2 numerical digits followed by "N" or "S"
Range	12W	1 or 2 numerical digits followed by "E" or "W"

Final stabilization has occurred when:

- (a) all soil disturbing activities at the site have been completed;
- (b) a uniform perennial vegetative cover with a density of 70% of the native background vegetative cover for the area has been established on all unpaved areas not covered by permanent structures; or
- (c) equivalent permanent stabilization measures have been employed.

APPENDIX 5:

- GEOTECHNICAL REPORT
- LPC 662 CCDD CERTIFICATION (STREET NAMES)
- LPC 663 CCDD CERTIFICATION (STREET NAMES)

NOT FOR BID



REPORT TRANSMITTAL

January 18, 2019

To: **Chris Baker, PE**
Vice-President
Edwin Hancock Engineering Co.
9933 Roosevelt Road
Westchester, IL 60154
Tel 708/865-0300

Re: **Geotechnical Engineering Services Report**
Proposed Sewer and Road Improvements
Various Streets
Villa Park, Illinois 60181

Rubino Report No. G18.137

Via email: cbaker@ehancock.com

Dear Mr. Baker,

Rubino Engineering, Inc. (Rubino) is pleased to submit our Geotechnical Engineering Services Report for the proposed sewer and road improvements in Villa Park, Illinois.

Report Description

Enclosed is the Geotechnical Services Report including results of field and laboratory testing, as well as recommendations for subgrade preparation and stability.

Authorization and Correspondence History

- Rubino Proposal # Q18.389g_REV1 dated August 29th, 2018; Authorized via email on October 2, 2018.

Closing

Rubino appreciates the opportunity to provide geotechnical services for this project and we look forward to continued participation during the design and in future construction phases of this project.

If you have questions pertaining to this report, or if Rubino may be of further service, please contact our office at (847) 931-1555.

Respectfully submitted,
RUBINO ENGINEERING, INC.

Michelle A. Lipinski, PE
President

michelle.lipinski@rubinoeng.com

MAL/file/ Enclosures

**PROPOSED ROAD AND SEWER
IMPROVEMENTS**

**VILLA PARK, ILLINOIS
60181**

RUBINO PROJECT No. G18.137

***Geotechnical
Engineering
Services
Report***

*Drilling
Laboratory Testing
Geotechnical Analysis*

PREPARED BY:

rubino
ENGINEERING INC.

**Michelle A. Lipinski, PE
President
IL No. 062-061241, Exp. 11/30/19**

PREPARED FOR:

EDWIN HANCOCK ENGINEERING CO.

9933 ROOSEVELT ROAD

**WESTCHESTER, ILLINOIS
60154**

JANUARY 18, 2019

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PROJECT INFORMATION

Rubino Engineering, Inc. (Rubino) understands that the Village of Villa Park is planning to perform roadway improvements along various residential streets west of Villa Ave between E. St Charles Rd and the UPRR tracks.

- Roadway resurfacing is planned along Division Street from Cornell Avenue to S Villa Ave
- Roadway Reconstruction and utility improvements are planned for the following locations:
 - East Beach Street to terminus (SB-01 & SB-02)
 - Maple Street from North Illinois Ave to Villa Avenue (SB-03 & SB-04)
 - Pine Street from Villa Avenue to N Summit Ave (SB-05 & SB-06)
 - E Oak Street from Villa Avenue to N Summit Ave (SB-07 & SB-08)
 - N Summit Ave from Division to North Terminus (SB-09 & SB-10)
 - North Myrtle Ave from Division Street to E Oak Street (SB-11 & SB-12)
- A detention pond is planned for the north east terminus of Summit Avenue just south of the UPRR tracks (SB-13)

Project Correspondence:

- RFP Email from Chris Baker of Hancock on August 14, 2018

The geotechnical recommendations presented in this report are based on the available project information and the subsurface materials described in this report. If any of the information on which this report is based is incorrect, please inform Rubino in writing so that we may amend the recommendations presented in this report (if appropriate, and if desired by the client). Rubino will not be responsible for the implementation of our recommendations if we are not notified of changes in the project.

Purpose / Scope of Services

The purpose of this study was to explore the subsurface conditions at the site in order to prepare geotechnical recommendations for pavement design, utility installation, and general site development for the proposed construction. Rubino's scope of services included the following drilling program:

Table 1: Drilling Scope

NUMBER OF CORES	NUMBER OF BORINGS	DEPTH (FEET BEG*)	LOCATION
8	-	20 inches max	See Boring Location Plan
-	13	15 – 25	See Boring Location Plan

*BEG = below existing grade



Representative soil samples obtained during the field exploration program were transported to the laboratory for additional classification and laboratory testing.

This report briefly outlines the following:

- *Summary of client-provided project information and report basis*
- *Overview of encountered subsurface conditions*
- *Overview of field and laboratory tests performed including results*
- *Geotechnical recommendations pertaining to:*
 - *Subgrade preparation and cut / fill recommendations*
 - *Pavements, including subgrade pavement sections for bituminous and Portland Cement Concrete (PCC) pavements*
 - *Seismic design site classification parameters*
- *Construction considerations, including temporary excavation and construction control of water*

DRILLING, FIELD, AND LABORATORY TEST PROCEDURES

Edwin Hancock Engineering Co. selected the number of borings and the boring depths. Rubino located the borings in the field by measuring distances from known fixed site features. The borings were advanced utilizing 3 ¼ inch inside-diameter, hollow stem auger drilling methods and soil samples were routinely obtained during the drilling process. The pavement cores were performed with a Milwaukee Drill and Diamond-bit core barrel.

Selected soil samples were tested in the laboratory to determine material properties for this report. Drilling, sampling, and laboratory tests were accomplished in general accordance with ASTM procedures. The following items are further described in the Appendix of this report.

- *Field Penetration Tests and Split-Barrel Sampling of Soils (ASTM D1586)*
- *Field Water Level Measurements*
- *Laboratory Determination of Water (Moisture) Content of Soil by Mass (ASTM D2216)*
- *Laboratory Determination of Atterberg Limits (ASTM D4318)*
- *Laboratory Organic Content by Loss on Ignition (ASTM D2974)*
- *Laboratory Determination of Particle Size (Hydrometer) Analysis of Soils (ASTM D422)*

The results of the laboratory tests can be found on the accompanying boring logs or in the Laboratory Tests section of the Appendix.



EXECUTIVE SUMMARY OF GEOTECHNICAL CONSIDERATIONS

The main geotechnical design and construction considerations at this site are:

PAVEMENT RESURFACING (PAVEMENT CORES PC-01 TO PC-08)

- In general, the asphalt thicknesses ranged between 1 and 7 $\frac{3}{4}$ inches. See Appendix F for more information.
- Where encountered, the concrete thicknesses generally ranged between 7 and 9 inches. See Appendix F for more information.
- In general, subbase stone was not observed. Gravel fill was encountered in two locations. See Appendix F for more detailed information.

PAVEMENT RECONSTRUCTION (SOIL BORINGS SB-01 TO SB-12)

- In general, the asphalt thicknesses ranged between 1 $\frac{1}{4}$ and 8 $\frac{1}{2}$ inches. See Appendix F for more information.
- Where encountered, the concrete thicknesses generally ranged between 7 and 11 inches. See Appendix F for more information.
- In general, the subbase stone ranged between 0 and 10 $\frac{3}{4}$ inches. See Appendix F for more detailed information.
- Subgrade soils generally consisted of black, gray, and/or brown silty clay and brown silt soils. See Subsurface Conditions section for more detailed information.
- Based on the SPT values, undercuts have been estimated for the various streets. See Subgrade Stability Recommendations section for more detailed information.
- Surficial soils in proposed pavement areas are cohesive in nature with moderate shear strengths and moderate to high moisture contents. Please see Site Preparation Recommendations for additional information.
- Groundwater was observed within some of the borings. See the Groundwater Conditions and Dewatering Recommendations sections for more information.

SEWER INSTALLATION (SOIL BORINGS SB-01 TO SB-12)

- Subgrade soils at proposed bearing elevations appear generally suitable to support the proposed sewers. See Utility Installation and Backfill Recommendations for more detailed information.
- Internally Braced Trench boxes will be needed to support the areas where soils with low blow counts and/or high moisture contents were encountered within the borings. See the Trench Excavation Recommendations sections for more information.

The geotechnical-related recommendations in this report are presented based on the subsurface conditions encountered and Rubino's understanding of the project. Should changes in the project criteria occur, a review must be made by Rubino to determine if modifications to our recommendations will be necessary.

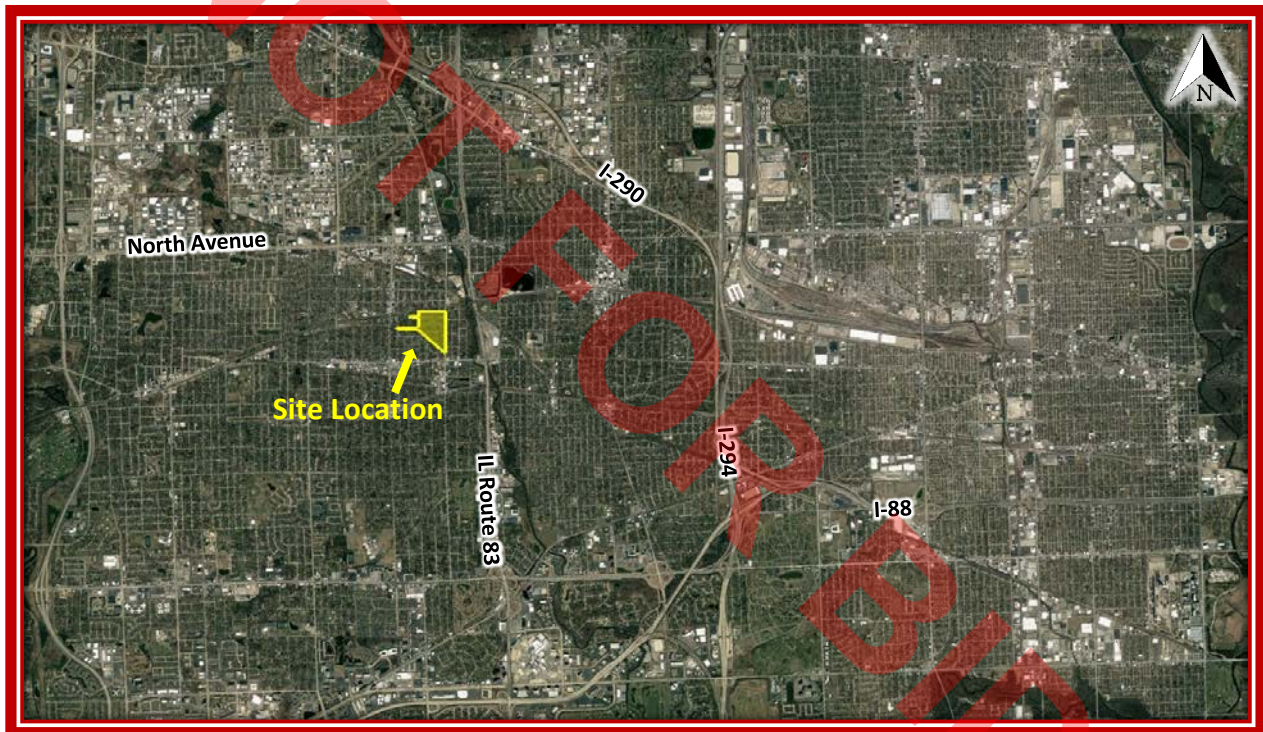


SITE AND SUBSURFACE CONDITIONS

Site Location and Description

The general site of exploration included various streets west of IL Route 83 and south of North Avenue in Villa Park, Illinois.

The cores and borings were taken within the existing pavement and the map below shows the general site location:



The work area has an approximate latitude and longitude of 41.894280° N and -87.972107° W, respectively.

Subsurface Conditions

Beneath the existing surficial pavement, subsurface conditions generally consisted of black, gray and/or brown silty clay and brown silt soils.



Table 2: Subsurface Conditions Summary

DEPTH RANGE (FT BEG*)	SOIL DESCRIPTION	SPT N-VALUES (BLOWS PER FOOT)	MOISTURE CONTENT (%)	ESTIMATED SHEAR STRENGTH
SB-01 through SB-12 (Street Reconstruction)				
1 – 15	Medium stiff to stiff, brown, black, and gray silty CLAY	5 – 15	12 – 26	c = 750 – 2250 psf
1 - 7 ½ (SB-06 & 10)	Very soft to soft, brown to greenish-gray or black silty CLAY	1 – 5	20 – 39	c = 150 – 450 psf
SB-13 (Detention Pond)				
2 - 25	Medium stiff, black, brown, and gray silty CLAY, trace sand and gravel	5 – 7	17 – 22	c = 750 – 1050 psf

*BEG = Below existing grade

The native soils were visually classified as silt (ML) and silty clay (CL) according to the Unified Soil Classification System (USCS). The above table is a general summary of subsurface conditions. Please refer to the boring logs for more detailed information.

Groundwater Conditions

Groundwater was encountered in some of the borings during drilling operations. The following table summarizes groundwater observations from the field:

Table 3: Groundwater Observation Summary

BORING NUMBER	GROUNDWATER LEVEL DURING DRILLING (FEET*)	GROUNDWATER LEVEL UPON AUGER REMOVAL (FEET*)
SB-03	6 ½	n/a
SB-06	13	13
SB-12	7 ½	n/a

*Depth below existing grade

It should be noted that fluctuations in the groundwater level should be anticipated throughout the year depending on variations in climatological conditions and other factors not apparent at the time the borings were performed. Groundwater may not have been observed in some areas due to the low permeability of soils. Additionally, discontinuous zones of perched water may exist within the soils. The possibility of groundwater level fluctuation should be considered when developing the design and construction plans for the project.



Seasonal High Water Table Level Discussion

A seasonal high water table level is defined as a zone of water-saturated soil at the highest average depth during the wettest season. The seasonal high water table level persists in the soil for more than a few weeks. The seasonal high water table is affected by a number of factors; the drainage characteristics of the soils, the land surface elevation, relief points such as adjacent ponds, swales, channels, culverts, etc. and distance to relief points are some of the more important factors influencing the seasonal high water table elevation. Soil color change from brown to gray is a potential indicator of a seasonal high water table. Seasonal high ground water may rise 2 to 3 feet above the measured levels in the borings for this project.

Seasonal High Ground Water is estimated to be approximately 5 to 10 feet below the existing grade.

EVALUATION AND RECOMMENDATIONS

The geotechnical-related recommendations in this report are presented based on the subsurface conditions encountered and Rubino's understanding of the project. Should changes in the project criteria occur, a review must be made by Rubino to determine if modifications to our recommendations will be necessary.

Undocumented Fill Discussion

Undocumented fill was observed in some of the borings the borings and pavement cores to depths ranging from about 1 to 2 feet below existing grade. Undocumented fill was likely placed or disturbed during original roadway construction.

Undocumented fill materials should be carefully evaluated by proof-rolling and subgrade stability testing (as recommended herein) at the time of construction to document the in-place consistency of these materials.

Undocumented fill is defined as fill that has been placed without being documented as to its placed density and moisture content.

Deleterious materials could include, but are not limited to, bricks, asphalt, concrete, metal, wood, or other building debris.

Deleterious materials were not observed within the undocumented fill materials during the drilling operations. Although deleterious materials were not encountered in the undocumented fill materials, this does not eliminate the possibility that deleterious materials could be present within the undocumented fill materials at other locations along the project.



Dewatering Recommendations

Dewatering may be necessary during excavation of saturated soils during construction. Shoring or trench boxes may be required where the soils are saturated or have low shear strengths. Please reference the anticipated groundwater levels on the attached boring logs and in the Groundwater Conditions section of this report.

Topsoil Discussion

Topsoil materials as described in this report have not been analyzed for quality according to any minimum specifications. If topsoil is to be imported to or exported from this site, Rubino recommends that it meet the minimum specifications defined in **Section 1081.05** of the, "Standard Specifications for Road and Bridge Construction," adopted by the Illinois Department of Transportation, April 1st, 2016.

Rubino has reported topsoil thicknesses at each boring based on visual observation of surficial soils. Topsoil thickness in the detention pond boring SB-13 was observed to be approximately 3 inches followed by concrete fill.

Organic Soils Discussion

Organic soils were greater than 10% loss on ignition were not observed in the borings for this project.

Organic soils can later cause settlement or stability problems. If encountered during construction, Rubino recommends that organic soils be removed and replaced with a compacted and documented engineered fill.

Organic soils are defined as soils containing greater than 10% organic matter, typically consisting of decomposed plant material accumulated under conditions of excessive moisture. Organic soils are dark colored in nature and may exhibit the odor of decaying vegetation.

Expansive Soil Discussion

Table 4: Expansive Soils by Location

LOCATION	SOIL DESCRIPTION	DEPTH RANGE (FT BEG*)	ATTERBERG LIMITS; LL / PI (%)
SB-01	Medium stiff, black and brown silty CLAY of HIGH PLASTICITY	1 – 3 ½	LL: 55 PI: 30

*BEG = Below existing grade



Expansive soils were observed in one of the borings at depths ranging approximately 1 to 3 ½ feet below existing grade during the drilling operations.

Expansive soils are considered unsuitable for construction due to their tendency to absorb moisture from the ground or atmosphere and swell causing the soils to increase in volume. Soils with Liquid Limits greater than 50% (LL > 50%) may exhibit highly plastic behavior and may be considered to have expansive properties (IDOT Manual 2015).

Expansive soils may have higher moisture contents which could contribute to failed proof rolls, however expansive soils are difficult to visually delineate in the field during construction. For that reason, **Rubino recommends that surface and subsurface drainage plans be designed to mitigate moisture changes of the soil during operation of the parking lot.**

For this boring, Rubino has recommended an undercut in subsequent sections of this report.

Pavement Subgrade Preparation

Rubino recommends that unsuitable soils or deleterious materials be removed from the construction area, as applicable. Unsuitable soils or deleterious materials can be described as, but are not limited to:

- Organic soil / topsoil / plants / trees / shrubs / grass
- Frozen soil
- Existing asphalt or concrete pavement sections
- Concrete curb & gutter

Prior to paving, the prepared subgrade should be proofrolled using a loaded tandem axle dump truck or similar type of pneumatic tired equipment with a minimum gross weight of 9 tons per single axle. Localized soft areas identified should be repaired prior to paving. Moisture content of the subgrade be maintained between -2% and +3% of the optimum at the time of paving. It may require rework when the subgrade is either desiccated or wet.

Areas of low support or soft spots should be tested with either a Static Cone Penetrometer (SCP) or Dynamic Cone Penetrometer (DCP). The results of the DCP or SCP tests should be evaluated according to the IDOT Subgrade Stability Manual (2005), to determine the necessary depth of corrective action.

Please note that fine grained subgrade soils are sensitive to moisture and can be easily disturbed by precipitation, groundwater, or construction equipment. Therefore, extra care should be used to avoid disturbing these soils during construction activities.



District One Aggregate Subgrade Improvement

Rubino recommends supporting all new pavement on 12 inches of improved subgrade, meeting the requirements to the District One, Aggregate Subgrade Improvement Special Provision (April 1, 2016).

There will be a need for two separate Aggregate Subgrade improvement line items in the Schedule of Quantities (SOQ) included in the design plans:

- 1) **Aggregate Subgrade Improvement 12" (SQ YD)** – This will be used for the 12-inch aggregate subgrade improvement below new pavement section and widening pavement sections.
- 2) **Aggregate Subgrade Improvement (CU YD)** – This will be used in locations where there are undercuts (below the 12-inch improved subgrade layer) where poor soils were removed.

Both of these line items reference back to the District One Aggregate Subgrade Improvement Special Provision.

Subgrade Stability / Undercut Recommendations

The recommendations located in this report are based on the data obtained at each particular soil boring location. Soil subgrade stability may vary in the field between the borings and could be affected by the weather at the time of construction.

- Undercuts are defined as being additional to the IDOT District One recommended Aggregate Subgrade Improvement 12".
- Subgrade with an **IBV value of 2 or less** is a candidate for remediation / undercut.
- Subgrade with a moisture content exceeding 25% may correspond to a lower IBV value and could be a candidate for remedial action.

Based on the above criteria, the following boring locations have been highlighted for potential subgrade stabilization, **only if the subbase soils are exposed**:



Table 5: Undercut Recommendations

LOCATION	IBV VALUE	UNDERCUT / AGGREGATE SUBGRADE IMPROVEMENT (CY)	GEOTECHNICAL CONSIDERATIONS
Beach Street (SB-01)	2	12 inches	High plasticity native soils
Beach Street (SB-02)	4*	n/a	Plan for Aggregate Subgrade Improvement (SY)
Maple Avenue, Pine Street, Oak Street (SB-03 through SB-08)	5 – 8	n/a	Plan for Aggregate Subgrade Improvement (SY)
Summit Avenue (SB-09 and SB-10)	4 – 5	n/a	Plan for Aggregate Subgrade Improvement (SY)
Myrtle Avenue (SB-11 and SB-12)	6 – 7	n/a	Plan for Aggregate Subgrade Improvement (SY)

*Remedial Procedures Optional

Unstable soil should be treated in accordance with Article 301.04 of the standard specifications and undercut guidelines in the IDOT Subgrade Stability Manual 2005.

Subbase Stone Recommendations

Due to the current variability of subbase stone along the roadway, Rubino recommends that a more consistent subbase thickness be placed as part of the reconstruction. Where the soil needs to be amended, additional stone can be placed which would increase the subbase stone thickness.

The granular base course should be built at least 2 feet wider than the pavement on each side to support the tracks of the slipform paver. This extra width is structurally beneficial for wheel loads applied at pavement edge.

An IDOT CA-6 aggregate base rock (IDOT Specifications Handbook, Sec. 1004.1) can be used under the asphalt or concrete pavements.

Rubino recommends a drainage system be designed to keep water out of the base material since CA-6 contains fines which could become unstable when saturated. See the Pavement Drainage and Maintenance section below for more information.



Roadway Drainage and Maintenance

Fine-grained soils can be sensitive to remolding in the presence of water. In the areas of surficial clays, the surface should be maintained in a graded condition to prevent standing water on the subgrade. Appropriate measures may include, but are not limited to:

1. Shaping/pitching the sub-grade to drain toward planned drainage along the roadway.
2. Providing proper filtration for runoff waters. Proper drainage of the roadway is mandated by Article 202.05 of the IDOT Standard Specifications for Road and Bridge Construction (2016).
3. Rubino recommends pavements and subgrade be sloped to provide rapid surface and subsurface drainage. Water allowed to pond on or adjacent to the pavement could saturate the subgrade and cause premature deterioration of pavements, and removal and replacement may be required.
4. Consideration could be given to the use of longitudinal pipe underdrains under the edge of new pavement in widening areas. The drains should also be installed in low areas and at the base of any undercuts. The underdrains should tie into the existing stormwater drainage system. The underdrains should be installed per Article 601 in the IDOT Standard Specifications and consist of Type 2 underdrains (Adopted April 1, 2016)/.
5. Periodic maintenance of the pavement should be anticipated. This should include sealing of cracks and joints and by maintaining proper surface drainage to avoid ponding of water on or near the pavement area.

Utility Installation Considerations

The following geotechnical considerations should be taken into account when considering either trenching or trenchless techniques performed as part of this project:

TABLE 6: GEOTECHNICAL CONSIDERATIONS FOR UTILITY INSTALLATION

LOCATION	DEPTH RANGE (FEET BEG*)	SOIL CONSIDERATIONS
SB-01 through SB-13	1 – 25	Saturated soils, low shear strength, expansive and potentially collapsible fine-grained soils that may not be self-supporting

*BEG = below existing grade



Please note, trench boxes may be needed at other locations or depths for this project. If trench boxes will be used throughout the installation of the utility, lateral earth pressures should be considered for the excavations.

Trench Excavation Recommendations

Excavation for trenches shall be performed in accordance with OSHA regulations as stated in 29 CFR Part 1926. According to the classifications methods of soils by this method, Rubino expects that the soils located at the proposed utility improvement areas would classify as a range of Type A, B, and C soils.

If trench boxes will be used throughout the installation of the utilities, lateral earth pressures should be considered for the excavations.

Utility Installation and Backfill Recommendations

Rubino anticipates that the proposed sewer will be bearing between approximately 7 and 8 feet below existing grade. The clayey soils encountered at that depth range appear generally suitable for support of proposed sewer pipes.

Rubino recommends that the sewer be supported by a granular bedding material similar to the gradation of an IDOT CA-07 stone. The thickness of the bedding material should be at least 12 inches.

Softer soils were encountered at shallower depths in boring SB-06 and SB-10. Rubino recommends increasing bedding stone by at least 6 inches in these areas or where other softer soils are encountered.

If granular material is used for the backfill of the utility trench, **the granular material should have a gradation that will filter protect the backfill material from the adjacent soils.** If this gradation is not available, a geosynthetic non-woven filter fabric should be used to reduce the potential for the migration of fines into the backfill material. Granular backfill material shall be compacted to meet the above compaction criteria.

Structural fill placed in utility trenches shall be evaluated in accordance with the following table:

MATERIAL TESTED	PROCTOR TYPE ^{*-1}	MIN % DRY DENSITY	PLACEMENT MOISTURE CONTENT RANGE	FREQUENCY OF TESTING ^{*-2}	MAXIMUM LOOSE LIFT HEIGHT
Utility Trench Backfill	Standard	95%	-2 to +2 %	1 per 200 LF of fill placed	4 – 6 inches

^{*-1} The test frequency for the laboratory reference shall be one laboratory Proctor test for each material used on the site. If the borrow or source of fill material changes, a new reference moisture/density test should be performed.

^{*-2}A minimum of one test per lift is recommended unless otherwise specified.



In general, utility trench backfill materials should:

- Have a Standard Proctor maximum dry density greater than 100 pcf
- Be free of organic or other deleterious materials
- Have a maximum particle size no greater than 3 inches
- Each lift of compacted, engineered fill should be tested and documented by a representative of the geotechnical engineer prior to placement of subsequent lifts
- Soils classified as GP, GW, SP, and SW will generally be suitable for use as utility trench backfill.
- Soils classified as CL, ML, SC, SM, OL, OH, MH, CH and PT should be considered unsuitable.
- If water must be added, it should be uniformly applied and thoroughly mixed into the soil

Tested fill materials that do not achieve either the required dry density or moisture content range shall be recorded, the location noted, and reported to the Contractor and Owner. A re-test of that area should be performed after the Contractor performs remedial measures. The above test frequencies should be discussed with the contractor prior to starting the work.

The geotechnical engineer of record can only certify work that was performed under their direct observation, or under the observation of a competent person under their specific direction.

Trench Box Lateral Earth Pressure Recommendations

Excavation for trenches shall be performed in accordance with OSHA regulations as stated in 29 CFR Part 1926. According to the classifications methods of soils by this method, Rubino expects that the soils located at the proposed force main would classify as Type A, Type B and Type C soils.

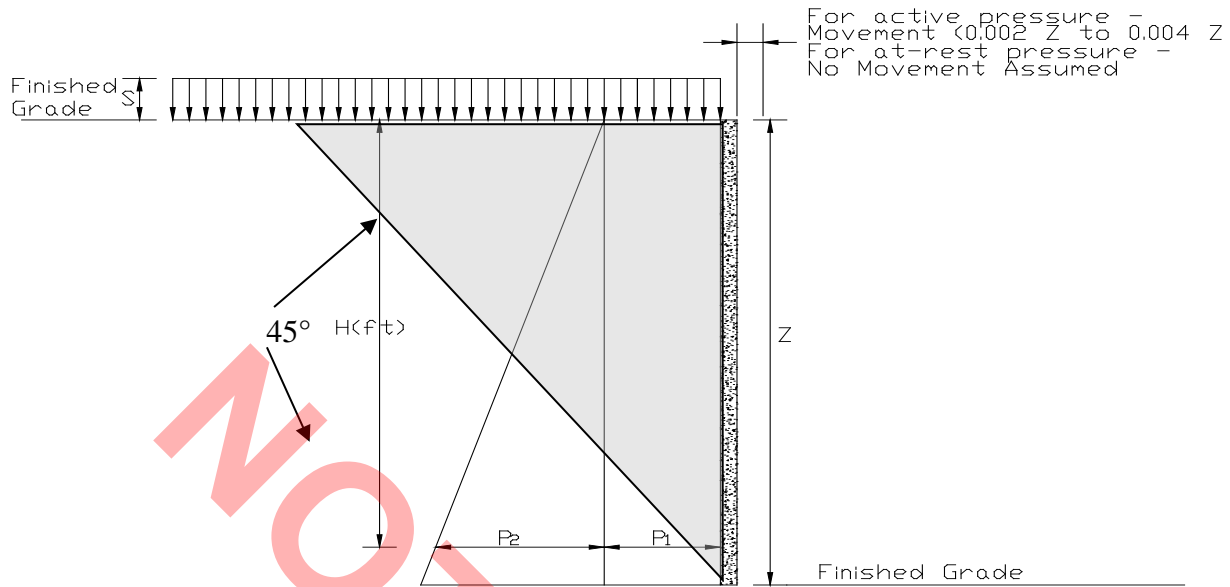
If trench boxes will be used throughout the installation of the proposed sewer, lateral earth pressures should be considered for the excavations. Lateral earth pressures will be influenced by the conditions of wall or support restraint, methods of construction and/or compaction and the strength of the materials being restrained.

Lateral earth pressure is developed from the soils present within a wedge formed by the vertical below-grade lift station side and an imaginary line extending up and away from the bottom of the wall at an approximate 45° angle.

The lateral earth pressures are determined by multiplying the vertical applied pressure by the appropriate lateral earth pressure coefficient K. Rubino recommends designing the bracing for the temporary excavation for the force main for the “at-rest” lateral earth pressure condition using K_0 . The following table gives the “at-rest” lateral earth pressure for the soils encountered:



EARTH PRESSURE COEFFICIENTS



The following table provides the recommended “at-rest” lateral earth pressure coefficients for the soils encountered. Also included are the “active” and “passive” lateral earth pressure coefficients if needed.

TABLE 7: “K-FACTOR” LATERAL EARTH

ELEVATION / (DEPTH) RANGE (FT)	SOIL TYPE	ESTIMATED TOTAL UNIT WEIGHT (LB/FT ³)	FRICTION ANGLE (DEG)	K _O	K _A	K _P
1 – 25	Medium stiff to stiff, Silty CLAY	110 – 130	28°	0.50	0.33	2.77

*Depth in feet below existing grade

The following equations were used to calculate the earth pressure coefficients “k”.

At-Rest:	$k_o = 1 - \sin \phi$	If the walls are rigidly attached to the structure and not free to rotate or deflect at the top such as shallow tunnels
Active:	$k_a = \tan^2(45 - \frac{\phi}{2})$	Walls that are permitted to rotate and deflect at the top
Passive:	$k_p = \tan^2(45 + \frac{\phi}{2})$	Passive pressure should be determined using a factor of safety of 2.0



Conditions applicable to the above conditions include:

- For active earth pressure, wall must rotate about base, with top lateral movements $0.002Z$ to $0.004Z$, where Z is the wall height
- For passive earth pressure, wall must move horizontally to mobilize resistance
- Uniform surcharge, where S is surcharge pressure
- Hydrostatic Pressure designed to elevations as recommended herein
- No safety factor included
- The minimum factor of safety for overturning analysis is 1.5

Equivalent Fluid Pressure

Please refer to the following bullet points as they pertain to equivalent fluid pressure.

- An “equivalent fluid” pressure can be obtained from the above chart by multiplying the appropriate K -factor times the total unit weight of the stone fill. This applies to unsaturated conditions only.
- If a saturated “equivalent fluid” pressure is needed, the effective unit weight (total unit weight minus unit weight of water) should be multiplied times the appropriate K -factor and the unit weight of water added to that resultant.

CLOSING

The recommendations submitted are based on the available subsurface information obtained by Rubino Engineering, Inc. and design details furnished by Edwin Hancock Engineering Company for the proposed project. If there are any revisions to the plans for this project or if deviations from the subsurface conditions noted in this report are encountered during construction, Rubino should be notified immediately to determine if changes in the foundation recommendations are required. If Rubino is not retained to perform these functions, we will not be responsible for the impact of those conditions on the project.

The scope of services did not include an environmental assessment to determine the presence or absence of wetlands, or hazardous or toxic materials in the soil, bedrock, surface water, groundwater or air, on, or below or around this site. Any statements in this report and/or on the boring logs regarding odors, colors, and/or unusual or suspicious items or conditions are strictly for informational purposes.

After the plans and specifications are more complete, the geotechnical engineer should be retained and provided the opportunity to review the final design plans and specifications to check that our engineering recommendations have been properly incorporated into the design documents. At this time, it may be necessary to submit supplementary recommendations. This report has been prepared for the exclusive use of Edwin Hancock Engineering and their consultants for the specific application to the proposed road and sewer improvements along various streets in Villa Park, Illinois.



APPENDIX A - DRILLING, FIELD, AND LABORATORY TEST PROCEDURES

ASTM D1586 Penetration Tests and Split-Barrel Sampling of Soils

During the sampling procedure, Standard Penetration Tests (SPT's) were performed at regular intervals to obtain the standard penetration (N-value) of the soil. The results of the standard penetration test are used to estimate the relative strength and compressibility of the soil profile components through empirical correlations to the soils' relative density and consistency. The split-barrel sampler obtains a soil sample for classification purposes and laboratory testing, as appropriate for the type of soil obtained.

Water Level Measurements

Water level observations were attempted during and upon completion of the drilling operation using a 100-foot tape measure. The depths of observed water levels in the boreholes are noted on the boring logs presented in the appendix of this report. In the borings where water is unable to be observed during the field activities, in relatively impervious soils, the accurate determination of the groundwater elevation may not be possible even after several days of observation. Seasonal variations, temperature and recent rainfall conditions may influence the levels of the groundwater table and volumes of water will depend on the permeability of the soils.

ASTM D2216 Water (Moisture) Content of Soil by Mass (Laboratory)

The water content is an important index property used in expressing the phase relationship of solids, water, and air in a given volume of material and can be used to correlate soil behavior with its index properties. In fine grained cohesive soils, the behavior of a given soil type often depends on its natural water content. The water content of a cohesive soil along with its liquid and plastic limits as determined by Atterberg Limit testing are used to express the soil's relative consistency or liquidity index.

ASTM D2974 Standard Test Method for Organic Soils using Loss on Ignition (Laboratory)

These test methods cover the measurement of moisture content, ash content, and organic matter in peats and other organic soils, such as organic clays, silts, and mucks. Ash content of a peat or organic soil sample is determined by igniting the oven-dried sample from the moisture content determination in a muffle furnace at 440°C (Method C) or 750°C (Method D). The substance remaining after ignition is the ash. The ash content is expressed as a percentage of the mass of the oven-dried sample. 2.4 Organic matter is determined by subtracting percent ash content from 100.

ASTM D4318 Atterberg Limits (Laboratory)

Atterberg limit testing defines the liquid limit (LL) and plastic limit (PL) states of a given soil. These limits are used to determine the moisture content limits where the soil characteristics changes from behaving more like a fluid on the liquid limit end to where the soil behaves more like individual soil particles on the plastic limit end. The liquid limit is often used to determine if a soil is a low or high plasticity soil. The plasticity index (PI) is difference between the liquid limit and the plastic limit. The plasticity index is used in conjunction with the liquid limit to determine if the material will behave like a silt or clay.

ASTM D422 Particle Size Analysis (Laboratory)

The Particle Size Analysis of Soils determines the distribution of particle sizes in order to further classify the soil. The distribution of particle sizes larger than 75µm (retained on the No. 200 sieve) is determined by sieving, while the distribution of particle sizes smaller than 75µm is determined by a sedimentation process, using a hydrometer to secure the necessary data. These soils are then classified more accurately based on the distribution information.

APPENDIX B - REPORT LIMITATIONS

Subsurface Conditions:

The subsurface description is of a generalized nature to highlight the major subsurface stratification features and material characteristics. The boring logs included in the appendix should be reviewed for specific information at individual boring locations. These records include soil descriptions, stratifications, penetration resistances, locations of the samples and laboratory test data as well as water level information. The stratifications shown on the boring logs represent the conditions only at the actual boring locations. Variations may occur and should be expected between boring locations. The stratifications represent the approximate boundary between subsurface materials and the actual transition between layers may be gradual. The samples, which were not altered by laboratory testing, will be retained for up to 60 days from the date of this report and then will be discarded.

Geotechnical Risk:

The concept of risk is an important aspect of the geotechnical evaluation. The primary reason for this is that the analytical methods used to develop geotechnical recommendations do not comprise an exact science. The analytical tools that geotechnical engineers use are generally empirical and must be used in conjunction with engineering judgment and experience. Therefore, the solutions and recommendations presented in the geotechnical evaluation should not be considered risk-free, and more importantly, are not a guarantee that the interaction between the soils and the proposed structure will perform as planned. The engineering recommendations, presented in the preceding section, constitute Rubino's professional estimate of the necessary measures for the proposed structure to perform according to the proposed design based on the information generated and reference during this evaluation, and Rubino's experience in working with these conditions.

Warranty:

The geotechnical engineer warrants that the findings, recommendations, specifications, or professional advice contained herein have been made in accordance with generally accepted professional geotechnical engineering practices in the local area. No other warranties are implied or expressed.

Federal Excavation Regulations:

In Federal Register, Volume 54, No. 209 (October 1989), the United States Department of Labor, Occupational Safety and Health Administration (OSHA) amended its "Construction Standards for Excavations, 29 CFR, part 1926, Subpart P". This document was issued to better insure the safety of workmen entering trenches or excavations. This federal regulation mandates that all excavations, whether they be utility trenches, basement excavation or footing excavations, be constructed in accordance with the new OSHA guidelines. It is our understanding that these regulations are being strictly enforced and if they are not closely followed, the owner and the contractor could be liable for substantial penalties.

The contractor is solely responsible for designing and constructing stable, temporary excavations and should shore, slope, or bench the sides of the excavations as required to maintain stability of both the excavation sides and bottom. The contractor's "responsible person," as defined in 29 CFR Part 1926, should evaluate the soil exposed in the excavations as part of the contractor's safety procedures. In no case should slope height, slope inclination, or excavation depth, including utility trench excavation depth, exceed those specified in local, state, and federal safety regulations. Rubino is providing this information solely as a service to our client. Rubino is not assuming responsibility for construction site safety or the contractor's activities; such responsibility is not being implied and should not be inferred.

APPENDIX C - SOIL CLASSIFICATION GENERAL NOTES

DRILLING & SAMPLING SYMBOLS:

SS: Split Spoon - 1 3/8" I.D., 2" O.D., unless otherwise noted	PS: Piston Sample
ST: Thin-Walled Tube - 3" O.D., Unless otherwise noted	WS: Wash Sample
PM: Pressuremeter	HA: Hand Auger
RB: Rock Bit	HS: Hollow Stem Auger
DB: Diamond Bit - 4", N, B	BS: Bulk Sample

Standard "N" Penetration: Blows per foot of a 140-pound hammer falling 30 inches on a 2-inch O.D. split spoon sampler (SS), except where noted.

WATER LEVEL MEASUREMENT SYMBOLS:

Water levels indicated on the boring logs are the levels measured in the borings at the times indicated. In pervious soils, the indicated levels may reflect the location of groundwater. In low permeability soils, the accurate determination of ground water levels is not possible with only short-term observations.

DESCRIPTIVE SOIL CLASSIFICATION:

Soil Classification is based on the Unified Soil Classification System as defined in ASTM D-2487 and D-2488. Coarse Grained Soils have more than 50% of their dry weight retained on a #200 sieve; they are described as: boulders, cobbles, gravel or sand. Fine Grained Soils have less than 50% of their dry weight retained on a #200 sieve; they are described as: clays, if they are plastic, and silts if they are slightly plastic or non-plastic. Major constituents may be added as modifiers and minor constituents may be added according to the relative proportions based on grain size. In addition to gradation, coarse grained soils are defined on the basis of their relative in-place density and fine grained soils on the basis of their consistency. Example: Lean clay with sand, trace gravel, stiff (CL); silty sand, trace gravel, medium dense (SM).

CONSISTENCY OF FINE-GRAINED SOILS:

RELATIVE DENSITY OF COARSE-GRAINED SOILS

Unconfined Compressive Strength, Qu (tsf)	N-Blows/ft.	Consistency	N-Blows/ft.	Relative Density
< 0.25	< 2	Very Soft	0 - 4	Very Loose
0.25 - 0.5	2 - 4	Soft	4 - 10	Loose
0.5 - 1	4 - 8	Medium Stiff	10 - 30	Medium Dense
1 - 2	8 - 15	Stiff	30 - 50	Dense
2 - 4	15 - 30	Very Stiff	50 +	Very Dense
4 -	30 +	Hard		

RELATIVE PROPORTIONS OF SAND & GRAVEL

GRAIN SIZE TERMINOLOGY

Descriptive Term	% of Dry Weight
Trace	< 15
With	15 - 29
Modifier	> 30

Major Component	Size Range
Boulders	Over 12 in. (300mm)
Cobbles	12 in. To 3 in. (300mm to 75mm)
Gravel	3 in. To #4 sieve (75mm to 4.75mm)
Sand	#4 to #200 sieve (4.75mm to 0.75mm)

RELATIVE PROPORTIONS OF FINES

Descriptive Term	% of Dry Weight
Trace	< 5
With	5 - 12
Modifier	> 12

*Descriptive Terms apply to components also present in sample

APPENDIX D - SOIL CLASSIFICATION CHART

SOIL CLASSIFICATION CHART

NOTE: DUAL SYMBOLS ARE USED TO INDICATE BORDERLINE SOIL CLASSIFICATIONS

MAJOR DIVISIONS			SYMBOLS		TYPICAL DESCRIPTIONS
			GRAPH	LETTER	
COARSE GRAINED SOILS MORE THAN 50% OF MATERIAL IS LARGER THAN NO. 200 SIEVE SIZE	GRAVEL AND GRAVELLY SOILS MORE THAN 50% OF COARSE FRACTION RETAINED ON NO. 4 SIEVE	CLEAN GRAVELS (LITTLE OR NO FINES)		GW	WELL-GRADED GRAVELS, GRAVEL - SAND MIXTURES, LITTLE OR NO FINES
		GRAVELS WITH FINES (APPRECIABLE AMOUNT OF FINES)		GP	POORLY-GRADED GRAVELS, GRAVEL - SAND MIXTURES, LITTLE OR NO FINES
		GRAVELS WITH FINES (APPRECIABLE AMOUNT OF FINES)		GM	SILTY GRAVELS, GRAVEL - SAND - SILT MIXTURES
	SAND AND SANDY SOILS MORE THAN 50% OF COARSE FRACTION PASSING ON NO. 4 SIEVE	CLEAN SANDS (LITTLE OR NO FINES)		SW	WELL-GRADED SANDS, GRAVELLY SANDS, LITTLE OR NO FINES
		CLEAN SANDS (LITTLE OR NO FINES)		SP	POORLY-GRADED SANDS, GRAVELLY SAND, LITTLE OR NO FINES
		SANDS WITH FINES (APPRECIABLE AMOUNT OF FINES)		SM	SILTY SANDS, SAND - SILT MIXTURES
FINE GRAINED SOILS MORE THAN 50% OF MATERIAL IS SMALLER THAN NO. 200 SIEVE SIZE	SILTS AND CLAYS LIQUID LIMIT LESS THAN 50			ML	INORGANIC SILTS AND VERY FINE SANDS, ROCK FLOUR, SILTY OR CLAYEY FINE SANDS OR CLAYEY SILTS WITH SLIGHT PLASTICITY
				CL	INORGANIC CLAYS OF LOW TO MEDIUM PLASTICITY, GRAVELLY CLAYS, SANDY CLAYS, SILTY CLAYS, LEAN CLAYS
				OL	ORGANIC SILTS AND ORGANIC SILTY CLAYS OF LOW PLASTICITY
	SILTS AND CLAYS LIQUID LIMIT GREATER THAN 50			MH	INORGANIC SILTS, MICACEOUS OR DIATOMACEOUS FINE SAND OR SILTY SOILS
				CH	INORGANIC CLAYS OF HIGH PLASTICITY
				OH	ORGANIC CLAYS OF MEDIUM TO HIGH PLASTICITY, ORGANIC SILTS
HIGHLY ORGANIC SOILS				PT	PEAT, HUMUS, SWAMP SOILS WITH HIGH ORGANIC CONTENTS

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APPENDIX E – SITE VICINITY MAP & BORING LOCATION PLAN



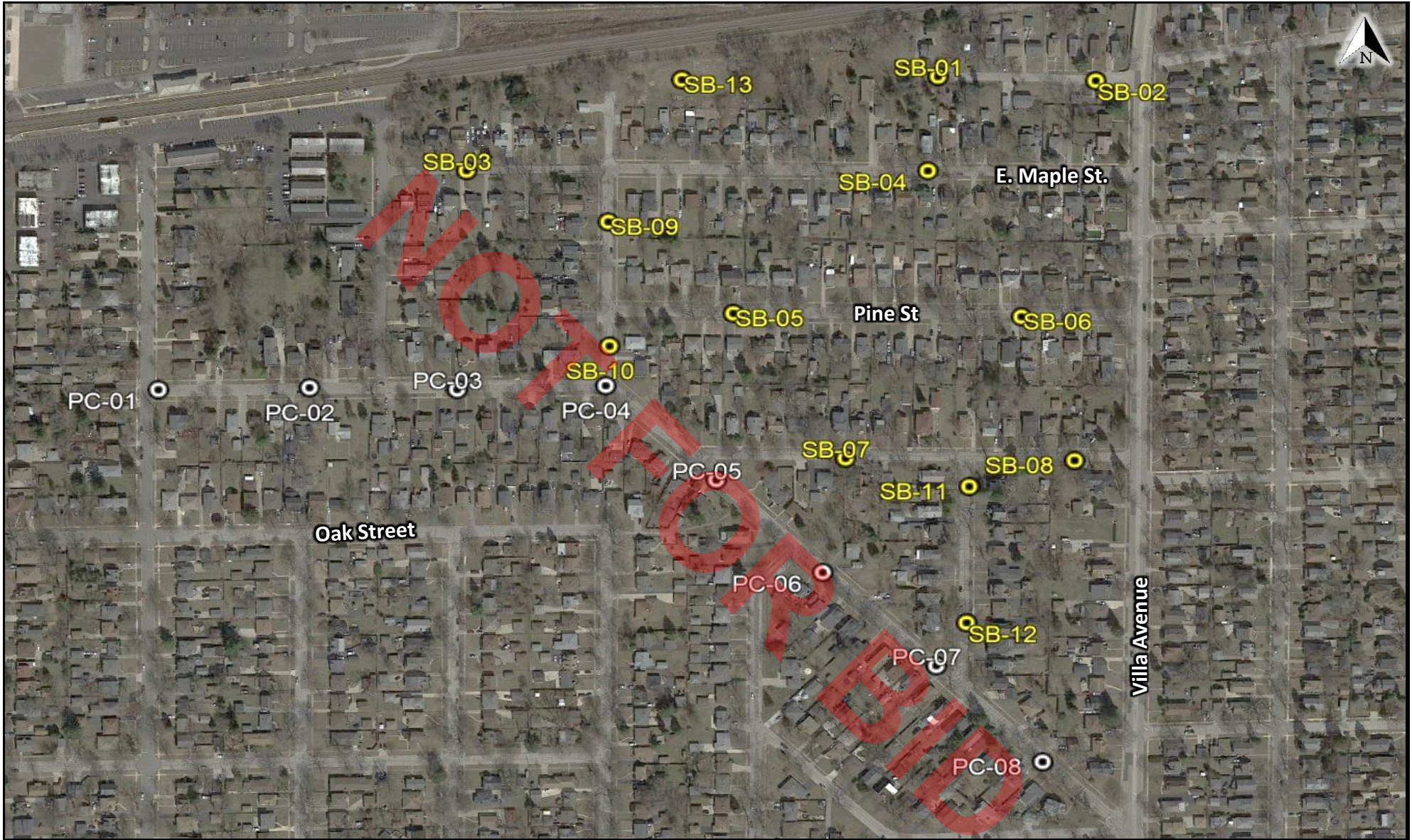
rubino
ENGINEERING INC.

425 Shepard Drive
Elgin, Illinois 60123

Project Name:
Project Location:
Client:
Rubino Project # :

Road and Sewer Improvements
Various Street
Villa Park, Illinois 60181
Edwin Hancock Engineering Co.
G18.137

Site
Vicinity
Map



rubino
ENGINEERING INC.

425 Shepard Drive
Elgin, Illinois 60123

Project Name:
Project Location:
Client:
Rubino Project # :





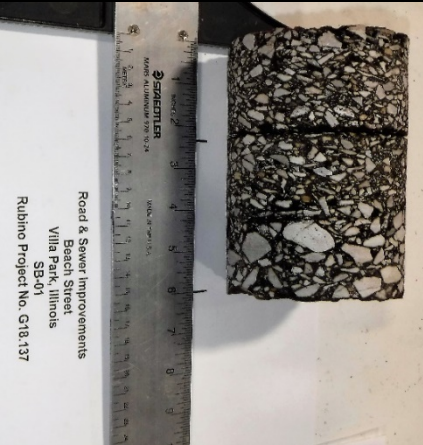
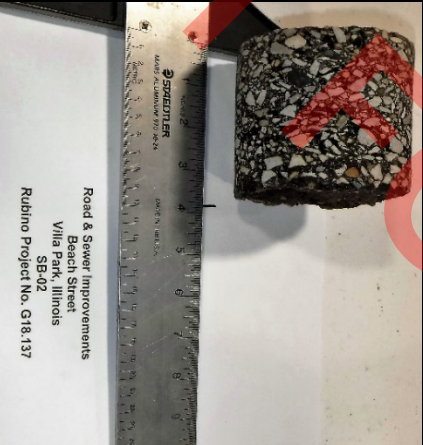
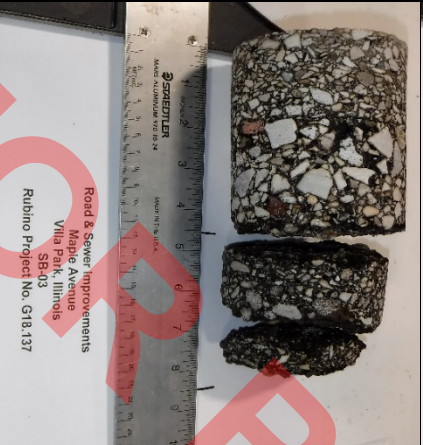












Road and Sewer Improvements
Various Street
Villa Park, Illinois 60181
Edwin Hancock Engineering Co.
G18.137

**Boring
Location
Plan**





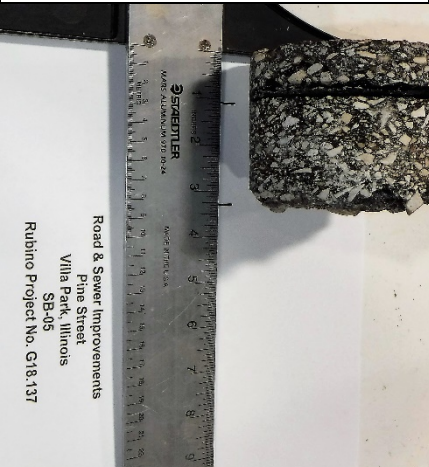
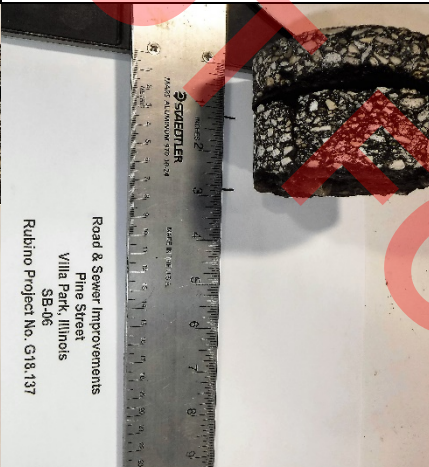











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APPENDIX F – PAVEMENT CORE TABLE


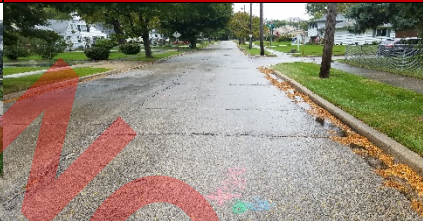


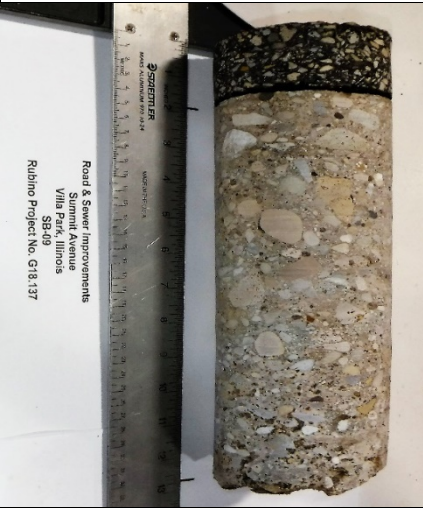

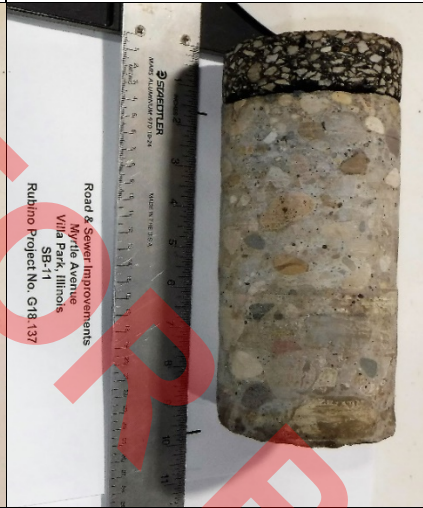

Cores were taken in the pavement of various streets located in Villa Park, Illinois. The table below summarizes the thicknesses observed in the field and laboratory.

Core – SB 01 (Beach Street)	Core – SB 02 (Beach Street)	Core – SB 03 (Maple Avenue)	Core – SB 04 (Maple Avenue)
			
Picture Taken Facing East	Picture Taken Facing West	Picture Taken Facing West	Picture Taken Facing West
			
<p><u>Total Thickness = 6 inches</u></p> <ul style="list-style-type: none">  HMA Surface₁ = 2 ¼ in. Surface₁ to Surface₂ Weathering & Deterioration  HMA Surface₂ = 1 ½ in.  HMA Binder₁ = 2 ¼ in. Subbase Stone Not Observed 	<p><u>Total Thickness = 3 ¾ inches</u></p> <ul style="list-style-type: none">  HMA Surface₁ = 2 in.  HMA Binder₁ = 1 ¾ in. Subbase Stone = 6 ¼ inches 	<p><u>Total Thickness = 8 ½ inches</u></p> <ul style="list-style-type: none">  HMA Surface₁ = 2 in.  HMA Binder₁ = 2 ½ in. Binder₁ to Binder₂ Cracked, Weathered & Deteriorated  HMA Binder₂ = 2 in. Binder₂ to Binder₃ Cracked, Weathered & Deteriorated  HMA Binder₃ = 2 in. Subbase Stone = 2 inches 	<p><u>Total Thickness = 9 inches</u></p> <ul style="list-style-type: none">  HMA Surface₁ = 1 ½ in. Surface₁ to Concrete Weathering & Deterioration  Concrete = 7 ½ in. Subbase Stone Not Observed



Core – SB 05 (Pine Street)	Core – SB 06 (Pine Street)	Core – SB 07 (Oak Street)	Core – SB 08 (Oak Street)
			
Picture Taken Facing East	Picture Taken Facing East	Picture Taken Facing East	Picture Taken Facing East
			
<p><u>Total Thickness = 3 ¾ inches</u></p> <ul style="list-style-type: none">  HMA Surface₁ = 1 in. Surface₁ to Surface₂ Weathering & Deterioration Fabric Interlayer  HMA Surface₂ = 1 ½ in.  HMA Surface₃ = 1 ¼ in. Subbase Stone = 10 ¾ inches 	<p><u>Total Thickness = 2 ¾ inches</u></p> <ul style="list-style-type: none">  HMA Surface₁ = 1 in. Fabric Interlayer Surface₁ to Surface₂ Cracked, Weathered & Deteriorated  HMA Surface₂ = 1 ¾ in. Subbase Stone = 8 ¾ inches 	<p><u>Total Thickness = 9 inches</u></p> <ul style="list-style-type: none">  HMA Surface₁ = 1 ½ in. Surface₁ to Concrete Weathering & Deterioration  Concrete = 7 ½ in. Subbase Stone Not Observed 	<p><u>Total Thickness = 9 ¼ inches</u></p> <ul style="list-style-type: none">  HMA Surface₁ = 1 ½ in. Surface₁ to Concrete Weathering & Deterioration  Concrete = 7 ¾ in. Subbase Stone Not Observed




Core – SB 09 (Summit Avenue)	Core – SB 10 (Summit Avenue)	Core – SB 11 (Myrtle Avenue)	Core – SB 12 (Myrtle Avenue)
			
Picture Taken Facing South	Picture Taken Facing North	Picture Taken Facing North	Picture Taken Facing North
			
<p><u>Total Thickness = 12 ¾ inches</u></p> <p>HMA Surface₁ = 1 ¾ in. Surface₁ to Concrete Weathering & Deterioration</p> <p>Concrete = 11 in.</p> <p>Subbase Stone = 2 inches</p>	<p><u>Total Thickness = 9 ¼ inches</u></p> <p>HMA Surface₁ = 1 ½ in. Surface₁ to Concrete Weathering & Deterioration</p> <p>Concrete = 7 ¾ in.</p> <p>Subbase Stone Not Observed</p>	<p><u>Total Thickness = 9 ¾ inches</u></p> <p>HMA Surface₁ = 1 ½ in. Surface₁ to Concrete Weathering & Deterioration</p> <p>Concrete = 8 ¼ in.</p> <p>Subbase Stone Not Observed</p>	<p><u>Total Thickness = 8 ½ inches</u></p> <p>HMA Surface₁ = 1 ½ in. Surface₁ to Concrete Weathering & Deterioration</p> <p>Concrete = 7 in.</p> <p>Subbase Stone Not Observed</p>



Core – PC 01 (Division Street)	Core – PC 02 (Division Street)	Core – PC 03 (Division Street)	Core – PC 04 (Division Street)
			
Picture Taken Facing East	Picture Taken Facing West	Picture Taken Facing West	Picture Taken Facing Southeast
			
<p><u>Total Thickness = 10 ½ inches</u></p> <ul style="list-style-type: none">  HMA Surface₁ = 1 ½ in.  Surface₁ to Concrete₁ Weathering & Deterioration  Concrete₁ = 2 ½ in.  Concrete₁ to Concrete₂ Weathering & Deterioration  Concrete₂ = 6 ½ in.  Subbase Stone Not Observed 	<p><u>Total Thickness = 8 ½ inches</u></p> <ul style="list-style-type: none">  HMA Surface₁ = 1 ¼ in.  Surface₁ to Concrete₁ Weathering & Deterioration  Concrete = 7 ¼ in.  Subbase Stone Not Observed 	<p><u>Total Thickness = 9 inches</u></p> <ul style="list-style-type: none">  HMA Surface₁ = 1 ½ in.  Concrete = 7 ½ in.  Subbase Stone Not Observed 	<p><u>Total Thickness = 6 ¼ inches</u></p> <ul style="list-style-type: none">  HMA Surface₁ = 1 in.  HMA Surface₂ = 2 ½ in.  Surface₂ to Surface₃ Weathering & Deterioration  HMA Surface₃ = 1 ½ in.  HMA Binder₁ = 1 ¼ in.  Gravel Fill = 17 ¾ + inches



Core – PC 05 (Division Street)	Core – PC 06 (Division Street)	Core – PC 07 (Division Street)	Core – PC 08 (Division Street)
			
Picture Taken Facing Southeast	Picture Taken Facing Southeast	Picture Taken Facing Southeast	Picture Taken Facing Southeast
			
<p>Total Thickness = 7 ¾ inches</p> <ul style="list-style-type: none">  HMA Surface₁ = 2 in.  HMA Surface₂ = 2 ¾ in.  HMA Surface₃ = 1 in.  HMA Surface₄ = 2 in. <p>Gravel Fill = 16 ¼ + inches</p>	<p>Total Thickness = 8 ¾ inches</p> <ul style="list-style-type: none">  HMA Surface₁ = 1 ½ in. Surface₁ to Concrete Weathering & Deterioration  Concrete = 7 ¼ in. <p>Subbase Stone Not Observed</p>	<p>Total Thickness = 9 ¾ inches</p> <ul style="list-style-type: none">  HMA Surface₁ = 1 in.  Concrete = 8 ¾ in. <p>Subbase Stone Not Observed</p>	<p>Total Thickness = 8 ½ inches</p> <ul style="list-style-type: none">  HMA Surface₁ = 1 ½ in. Surface₁ to Concrete Weathering & Deterioration  Concrete = 7 in. <p>Subbase Stone Not Observed</p>
<p>Commentary provided by Rubino is based on our observation in the laboratory; Crack = vertical through cross section; Weathering = rounded edges & degradation of asphalt and Deterioration = horizontal crack. The referenced thicknesses are considered approximate. Pavement and subbase type and thickness may vary between core locations. Any comments on the condition of the material are considered our opinion and should be verified by the design engineer.</p>			



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APPENDIX G – BORING LOGS

Rubino Job No.: G18.137
 Project: Villa Park Road and Sewer Improvements
 Location: Various Streets
 City, State: Villa Park, Illinois 60181
 Client: Edwin Hancock Engineering Co.

Drilling Method: 3 1/4" Hollow Stem Auger
 Sampling Method: Split Spoon
 Hammer Type: Automatic
 Boring Location: E. Beach Street

WATER LEVELS	
▽ While Drilling	N/A
▼ Upon Completion	N/A
▽ Delay	N/A

Elevation (feet)	Depth (feet)	Graphic Log	Sample Type	Sample No.	Recovery (inches)	Station: N/A Offset: N/A	MATERIAL DESCRIPTION	USCS Classification	SPT Blows per 6-inch	STANDARD PENETRATION TEST DATA		Additional Remarks	
										Moisture, %	Moisture, %		
0		Approximately 6 inches of ASPHALT											
		Medium stiff, black and brown silty CLAY of HIGH PLASTICITY, trace sand and gravel		1	12			CH	2-3-4 N=7	26	⊗	⊠	→ Qp=2.5 tsf LL = 55 PL = 25 3% Organic Content
		Medium stiff, brown and gray mottled silty CLAY, trace sand and gravel		2	12				2-3-5 N=8	20	⊗	⊠	Qp=2.8 tsf
5				3	14				3-4-7 N=11	20	⊗	⊠	*Qp=4.0 tsf
				4	14			CL	3-5-6 N=11	19	⊗	⊠	*Qp=4.0 tsf
10				5	12		Color change to gray at approximately 11 feet below existing grade		2-3-4 N=7	19	⊗	⊠	Qp=2.8 tsf
				6	16				2-3-4 N=7	20	⊗	⊠	Qp=1.8 tsf
15							End of boring at approximately 15 feet below existing grade. No free groundwater encountered during drilling operations.						

Completion Depth: 15.0 ft
 Date Boring Started: 10/22/18
 Date Boring Completed: 10/22/18
 Logged By: J.W.
 Drilling Contractor: Rubino Engineering, Inc.

Sample Types:

	Auger Cutting		Shelby Tube
	Split-Spoon		Hand Auger
	Rock Core		Direct Push

Latitude: 41.896584
 Longitude: -87.970905
 Drill Rig: Geoprobe 7822DT
 Remarks:

The stratification lines represent approximate boundaries. The transition may be gradual.

Rubino Job No.: G18.137
 Project: Villa Park Road and Sewer Improvements
 Location: Various Streets
 City, State: Villa Park, Illinois 60181
 Client: Edwin Hancock Engineering Co.

Drilling Method: 3 1/4" Hollow Stem Auger
 Sampling Method: Split Spoon
 Hammer Type: Automatic
 Boring Location: E. Beach Street

WATER LEVELS	
▽ While Drilling	N/A
▼ Upon Completion	N/A
▽ Delay	N/A

Elevation (feet)	Depth (feet)	Graphic Log	Sample Type	Sample No.	Recovery (inches)	Station: N/A Offset: N/A	MATERIAL DESCRIPTION	USCS Classification	SPT Blows per 6-inch	Moisture, %	STANDARD PENETRATION TEST DATA		Additional Remarks	
											Moisture	PL		LL
0		Asphalt					Approximately 3 3/4 inches of ASPHALT Approximately 6 3/4 inches of GRAVEL BASE							
		Clay		1	10		Medium stiff, black to greenish-brown silty CLAY, trace sand and gravel	CL	2-4-5 N=9	24	⊙	×	*	Qp=2.5 tsf 4% Organic Content
		Clay		2	12		Medium stiff to stiff, brown to gray silty CLAY, trace sand and gravel		2-3-3 N=6	21	⊙	×	*	Qp=2.8 tsf
5		Clay		3	18				3-5-5 N=10	20	⊙	×	*	*Qp=4.0 tsf
		Clay		4	18			CL	5-5-6 N=11	20	⊙	×	*	*Qp=4.0 tsf
10		Clay		5	1		Color change to gray at approximately 11 feet below existing grade		6-8-7 N=15	19	⊙	×	*	
		Clay		6	1				5-4-5 N=9	18	⊙	×	*	
15							End of boring at approximately 15 feet below existing grade. No free groundwater encountered during drilling operations.							

Completion Depth: 15.0 ft
 Date Boring Started: 10/22/18
 Date Boring Completed: 10/22/18
 Logged By: J.W.
 Drilling Contractor: Rubino Engineering, Inc.

Sample Types:

	Auger Cutting		Shelby Tube
	Split-Spoon		Hand Auger
	Rock Core		Direct Push

Latitude: 41.896600
 Longitude: -87.969645
 Drill Rig: Geoprobe 7822DT
 Remarks:

The stratification lines represent approximate boundaries. The transition may be gradual.







Rubino Job No.: G18.137
Project: Villa Park Road and Sewer Improvements
Location: Various Streets
City, State: Villa Park, Illinois 60181
Client: Edwin Hancock Engineering Co.

Drilling Method: 3 1/4" Hollow Stem Auger
Sampling Method: Split Spoon
Hammer Type: Automatic
Boring Location: E. Maple Street

WATER LEVELS	
▽ While Drilling	6.5 FT
▼ Upon Completion	N/A
▼ Delay	N/A

Elevation (feet)	Depth, (feet)	Graphic Log	Sample Type	Sample No.	Recovery (inches)	Station: N/A Offset: N/A	MATERIAL DESCRIPTION	USCS Classification	SPT Blows per 6-inch	STANDARD PENETRATION TEST DATA				Additional Remarks
										Moisture, %		STRENGTH, tsf		
0							Approximately 8 1/2 inches of ASPHALT							
							Approximately 2 inches of GRAVEL BASE							
				1	11		Medium stiff, brown silty CLAY, trace sand and gravel	CL	2-2-3 N=5	21	⊗	×	*	Qp=2.5 tsf
				2	16			CL	2-2-3 N=5	20	⊗	×	*	Qp=3.0 tsf
5				3	18		Medium stiff, brown SILT	ML	1-2-3 N=5	23	⊗	⊠	⬤*	Qp=2.3 tsf LL = 25 PL = 20
				4	16		Medium stiff to stiff, gray silty CLAY, trace sand and gravel		3-3-5 N=8	17	⊗	×	*	Qp=3.5 tsf
10				5	16			CL	2-2-3 N=5	18	⊗	×	*	Qp=2.0 tsf
				6	14				2-3-4 N=7	20	⊗	×	*	Qp=2.3 tsf
15							End of boring at approximately 15 feet below existing grade.							

Completion Depth: 15.0 ft
Date Boring Started: 10/22/18
Date Boring Completed: 10/22/18
Logged By: J.W.
Drilling Contractor: Rubino Engineering, Inc.

Sample Types:
 Auger Cutting
 Split-Spoon
 Rock Core
 Shelby Tube
 Hand Auger
 Direct Push

Latitude: 41.895938
Longitude: -87.974678
Drill Rig: Geoprobe 7822DT
Remarks:

The stratification lines represent approximate boundaries. The transition may be gradual.







Rubino Job No.: G18.137
Project: Villa Park Road and Sewer Improvements
Location: Various Streets
City, State: Villa Park, Illinois 60181
Client: Edwin Hancock Engineering Co.

Drilling Method: 3 1/4" Hollow Stem Auger
Sampling Method: Split Spoon
Hammer Type: Automatic
Boring Location: E. Maple Street

WATER LEVELS	
▽ While Drilling	N/A
▼ Upon Completion	N/A
▼ Delay	N/A

Elevation (feet)	Depth (feet)	Graphic Log	Sample Type	Sample No.	Recovery (inches)	Station: N/A Offset: N/A	MATERIAL DESCRIPTION	USCS Classification	SPT Blows per 6-inch	STANDARD PENETRATION TEST DATA		Additional Remarks
										Moisture, %	Moisture, %	
0		Approximately 1 1/2 inches of ASPHALT Approximately 7 1/2 inches of CONCRETE										
		Medium stiff to stiff, brown to gray silty CLAY, trace sand and gravel		1	12			2-3-4 N=7	23	⊗	⊗	Qp=3.0 tsf
				2	18			2-2-3 N=5	26	⊗	⊗	Qp=2.5 tsf 2% Organic Content
5				3	16			2-2-4 N=6	23	⊗	⊗	Qp=1.5 tsf
				4	16			2-5-5 N=10	17	⊗	⊗	Qp=3.5 tsf
10				5	14		Color change to gray at approximately 9 1/2 feet below existing grade	2-3-3 N=6	18	⊗	⊗	Qp=2.0 tsf
				6	16			2-4-4 N=8	18	⊗	⊗	Qp=1.5 tsf
15							End of boring at approximately 15 feet below existing grade. No free groundwater encountered during drilling operations.					

Completion Depth: 15.0 ft
Date Boring Started: 10/22/18
Date Boring Completed: 10/22/18
Logged By: J.W.
Drilling Contractor: Rubino Engineering, Inc.

Sample Types:
 Auger Cutting
 Split-Spoon
 Rock Core
 Shelby Tube
 Hand Auger
 Direct Push

Latitude: 41.895899
Longitude: -87.970516
Drill Rig: Geoprobe 7822DT
Remarks:

The stratification lines represent approximate boundaries. The transition may be gradual.

Rubino Job No.: G18.137
 Project: Villa Park Road and Sewer Improvements
 Location: Various Streets
 City, State: Villa Park, Illinois 60181
 Client: Edwin Hancock Engineering Co.

Drilling Method: 3 1/4" Hollow Stem Auger
 Sampling Method: Split Spoon
 Hammer Type: Automatic
 Boring Location: Pine Street

WATER LEVELS	
▽ While Drilling	N/A
▼ Upon Completion	N/A
▽ Delay	N/A

Elevation (feet)	Depth (feet)	Graphic Log	Sample Type	Sample No.	Recovery (inches)	Station: N/A Offset: N/A	MATERIAL DESCRIPTION	USCS Classification	SPT Blows per 6-inch	Moisture, %	STANDARD PENETRATION TEST DATA				Additional Remarks	
											Moisture	PL	LL	Strength, tsf		
0							Approximately 3 1/4 inches of ASPHALT Approximately 10 3/4 inches of GRAVEL BASE									
				1	13		Medium stiff, brown to black silty CLAY, trace sand and gravel	CL	2-3-4 N=7	26	⊙	×	*			Qp=2.0 tsf 6% Organic Content
				2	14		Medium stiff to stiff, brown to gray silty CLAY, trace sand and gravel		2-4-4 N=8	20	⊙	×		*		Qp=4.0 tsf
5				3	15				35-5 N=10	17	⊙	×		*		Qp=3.5 tsf
				4	14		Color change to gray at approximately 8 1/2 feet below existing grade	CL	3-4-6 N=10	17	⊙	×		*		Qp=4.0 tsf
10				5	18				4-4-5 N=9	17	⊙	×		*		Qp=3.5 tsf
				6	18				3-4-6 N=10	19	⊙	×	*			Qp=2.5 tsf
15							End of boring at approximately 15 feet below existing grade. No free groundwater encountered during drilling operations.									

Completion Depth: 15.0 ft
 Date Boring Started: 10/22/18
 Date Boring Completed: 10/22/18
 Logged By: J.W.
 Drilling Contractor: Rubino Engineering, Inc.

Sample Types:

	Auger Cutting		Shelby Tube
	Split-Spoon		Hand Auger
	Rock Core		Direct Push

Latitude: 41.894915
 Longitude: -87.972462
 Drill Rig: Geoprobe 7822DT
 Remarks:

The stratification lines represent approximate boundaries. The transition may be gradual.







Rubino Job No.: G18.137
Project: Villa Park Road and Sewer Improvements
Location: Various Streets
City, State: Villa Park, Illinois 60181
Client: Edwin Hancock Engineering Co.

Drilling Method: 3 1/4" Hollow Stem Auger
Sampling Method: Split Spoon
Hammer Type: Automatic
Boring Location: Pine Street

WATER LEVELS	
▽ While Drilling	13 FT
▽ Upon Completion	13 FT
▽ Delay	N/A

Elevation (feet)	Depth (feet)	Graphic Log	Sample Type	Sample No.	Recovery (inches)	Station: N/A Offset: N/A	MATERIAL DESCRIPTION	USCS Classification	SPT Blows per 6-inch	STANDARD PENETRATION TEST DATA				Additional Remarks
										Moisture, %		STRENGTH, tsf		
0		ASPHALT					Approximately 2 3/4 inches of ASPHALT Approximately 8 3/4 inches of GRAVEL BASE							
				1	10		Medium stiff, black silty CLAY, trace sand and gravel	CL	2-2-3 N=5	39	⊙	*	×	Qp=2.0 tsf 6% Organic Content
				2	12		Very soft to soft, brown to greenish-gray mottled silty CLAY, trace sand and gravel	CL	1-2-1 N=3	29	⊙	*	×	Qp=1.5 tsf 4% Organic Content
				3	16		Medium stiff, brown to gray silty CLAY, trace sand and gravel	CL	1-0-1 N=1	25	⊙	■	◆	Qp=0.3 tsf LL = 28 PL = 17 3% Organic Content
				4	18		Color change to gray at approximately 9 1/2 feet below existing grade	CL	2-3-3 N=6	18	⊙	*	×	Qp=2.0 tsf
				5				CL	3-4-3 N=7		⊙			
				6	18		End of boring at approximately 15 feet below existing grade.	CL	2-4-4 N=8	16	⊙	*	×	Qp=2.5 tsf

Completion Depth: 15.0 ft
Date Boring Started: 10/22/18
Date Boring Completed: 10/22/18
Logged By: J.W.
Drilling Contractor: Rubino Engineering, Inc.

Sample Types:
 Auger Cutting
 Split-Spoon
 Rock Core
 Shelby Tube
 Hand Auger
 Direct Push

Latitude: 41.894869
Longitude: -87.970073
Drill Rig: Geoprobe 7822DT
Remarks:

The stratification lines represent approximate boundaries. The transition may be gradual.

Rubino Job No.: G18.137
 Project: Villa Park Road and Sewer Improvements
 Location: Various Streets
 City, State: Villa Park, Illinois 60181
 Client: Edwin Hancock Engineering Co.

Drilling Method: 3 1/4" Hollow Stem Auger
 Sampling Method: Split Spoon
 Hammer Type: Automatic
 Boring Location: E. Oak Street

WATER LEVELS	
▽ While Drilling	N/A
▼ Upon Completion	N/A
▼ Delay	N/A

Elevation (feet)	Depth (feet)	Graphic Log	Sample Type	Sample No.	Recovery (inches)	Station: N/A Offset: N/A	MATERIAL DESCRIPTION	USCS Classification	SPT Blows per 6-inch	STANDARD PENETRATION TEST DATA		Additional Remarks
										Moisture, %	Strength, tsf	
0		Approximately 1 1/2 inches of ASPHALT Approximately 7 1/2 inches of CONCRETE										
		Medium stiff to stiff, brown to gray silty CLAY, trace sand and gravel		1	16				2-2-3 N=5	24	⊗	Qp=2.0 tsf
				2	12				2-2-2 N=4	28	⊗	Qp=2.5 tsf 4% Organic Content
				3	16				2-2-3 N=5	22	⊗	Qp=2.0 tsf
				4	8			CL	6-4-5 N=9	19	⊗	Qp=3.5 tsf
				5	18				2-3-4 N=7	18	⊗	Qp=2.5 tsf
				6	18				2-3-4 N=7	19	⊗	Qp=2.5 tsf
	15						End of boring at approximately 15 feet below existing grade. No free groundwater encountered during drilling operations.					

Completion Depth: 15.0 ft	Sample Types:	Latitude: 41.893855
Date Boring Started: 10/22/18	Auger Cutting Shelby Tube	Longitude: -87.971821
Date Boring Completed: 10/22/18	Split-Spoon Hand Auger	Drill Rig: Geoprobe 7822DT
Logged By: J.W.	Rock Core Direct Push	Remarks:
Drilling Contractor: Rubino Engineering, Inc.		

The stratification lines represent approximate boundaries. The transition may be gradual.

Rubino Job No.: G18.137
Project: Villa Park Road and Sewer Improvements
Location: Various Streets
City, State: Villa Park, Illinois 60181
Client: Edwin Hancock Engineering Co.







Drilling Method: 3 1/4" Hollow Stem Auger
Sampling Method: Split Spoon
Hammer Type: Automatic
Boring Location: E. Oak Street

WATER LEVELS	
▽ While Drilling	N/A
▼ Upon Completion	N/A
▽ Delay	N/A

Elevation (feet)	Depth (feet)	Graphic Log	Sample Type	Sample No.	Recovery (inches)	Station: N/A Offset: N/A	MATERIAL DESCRIPTION	USCS Classification	SPT Blows per 6-inch	STANDARD PENETRATION TEST DATA		Additional Remarks	
										Moisture, %	Moisture, %		
0		Approximately 1 1/2 inches of ASPHALT Approximately 7 3/4 inches of CONCRETE											
		Medium stiff, brown silty CLAY, trace sand and gravel		1	16				2-2-3 N=5	23	⊗	⊗	Qp=2.0 tsf
				2	18				2-2-3 N=5	25	⊗	⊗	Qp=1.5 tsf 4% Organic Content
	5			3	16				1-1-3 N=4	23	⊗	⊗	Qp=0.0 tsf
				4	16			CL	2-3-3 N=6	21	⊗	⊗	Qp=3.0 tsf LL = 29 PL = 20
	10			5	16		Color change to gray at approximately 11 feet below existing grade		0-1-3 N=4	22	⊗	⊗	Qp=0.5 tsf
				6	18				2-2-4 N=6	20	⊗	⊗	Qp=2.0 tsf
	15						End of boring at approximately 15 feet below existing grade. No free groundwater encountered during drilling operations.						

Completion Depth: 15.0 ft
Date Boring Started: 10/25/18
Date Boring Completed: 10/25/18
Logged By: J.W.
Drilling Contractor: Rubino Engineering, Inc.

Sample Types:

 Auger Cutting	 Shelby Tube
 Split-Spoon	 Hand Auger
 Rock Core	 Direct Push

Latitude: 41.893866
Longitude: -87.969705
Drill Rig: Geoprobe 7822DT
Remarks:

The stratification lines represent approximate boundaries. The transition may be gradual.

Rubino Job No.: G18.137
 Project: Villa Park Road and Sewer Improvements
 Location: Various Streets
 City, State: Villa Park, Illinois 60181
 Client: Edwin Hancock Engineering Co.

Drilling Method: 3 1/4" Hollow Stem Auger
 Sampling Method: Split Spoon
 Hammer Type: Automatic
 Boring Location: N. Summit Ave

WATER LEVELS	
▽ While Drilling	N/A
▼ Upon Completion	N/A
▼ Delay	N/A

Elevation (feet)	Depth (feet)	Graphic Log	Sample Type	Sample No.	Recovery (inches)	Station: N/A Offset: N/A	MATERIAL DESCRIPTION	USCS Classification	SPT Blows per 6-inch	Moisture, %	STANDARD PENETRATION TEST DATA				Additional Remarks	
											Moisture	PL	LL	STRENGTH, tsf		
0		Asphalt					Approximately 1 3/4 inches of ASPHALT									
		Concrete					Approximately 11 inches of CONCRETE									
				1	11		Medium stiff, black and dark brown mottled silty CLAY, trace sand and gravel	CL	1-2-3 N=5	21	⊗	⊗	⊗		Qp=1.5 tsf	
				2	16		Medium stiff to stiff, brown to gray silty CLAY, trace sand and gravel		2-3-2 N=5	25	⊗	⊗	⊗		Qp=2.0 tsf 3% Organic Content	
5				3	16				2-3-3 N=6	20	⊗	⊗	⊗		Qp=3.3 tsf	
				4	16			CL	4-7-7 N=14	20	⊗	⊗	⊗		*Qp=4.0 tsf	
10				5	6		Color change to gray at approximately 10 feet below existing grade		4-4-5 N=9	17	⊗	⊗	⊗			
				6	16				2-4-5 N=9	15	⊗	⊗	⊗		Qp=2.3 tsf	
15							End of boring at approximately 15 feet below existing grade. No free groundwater encountered during drilling operations.									

Completion Depth: 15.0 ft	Sample Types:	Latitude: 41.895657
Date Boring Started: 10/25/18	Auger Cutting	Longitude: -87.973720
Date Boring Completed: 10/25/18	Split-Spoon	Drill Rig: Geoprobe 7822DT
Logged By: J.W.	Rock Core	Remarks:
Drilling Contractor: Rubino Engineering, Inc.	Shelby Tube	
	Hand Auger	
	Direct Push	

The stratification lines represent approximate boundaries. The transition may be gradual.

Rubino Job No.: G18.137
Project: Villa Park Road and Sewer Improvements
Location: Various Streets
City, State: Villa Park, Illinois 60181
Client: Edwin Hancock Engineering Co.







Drilling Method: 3 1/4" Hollow Stem Auger
Sampling Method: Split Spoon
Hammer Type: Automatic
Boring Location: N. Summit Ave

WATER LEVELS	
▽ While Drilling	N/A
▼ Upon Completion	N/A
▽ Delay	N/A

Elevation (feet)	Depth (feet)	Graphic Log	Sample Type	Sample No.	Recovery (inches)	Station: N/A Offset: N/A	MATERIAL DESCRIPTION	USCS Classification	SPT Blows per 6-inch	STANDARD PENETRATION TEST DATA				Additional Remarks	
										Moisture, %		STRENGTH, tsf			
0							Approximately 1 1/4 inches of ASPHALT Approximately 7 3/4 inches of CONCRETE Soft, brown, black, and dark gray silty CLAY, trace sand and gravel								
				1	10			CL	2-2-2 N=4	21	⊗	⊗			Qp=1.5 tsf
				2	8			CL	1-1-1 N=2	20	⊗	⊗	⊗	⊗	Qp=1.0 tsf LL = 49 PL = 22
				3	18		Medium stiff to stiff, brown to gray silty CLAY, trace sand and gravel		2-5-6 N=11	17	⊗	⊗			Qp=4.0 tsf
				4	14			CL	3-4-4 N=8	17	⊗	⊗			Qp=3.5 tsf
				5	18		Color change to gray at approximately 10 feet below existing grad		2-3-3 N=6	19	⊗	⊗			Qp=1.5 tsf
				6	18				2-3-4 N=7	19	⊗	⊗			Qp=1.5 tsf
							End of boring at approximately 15 feet below existing grade. No free groundwater encountered during drilling operations.								

Completion Depth: 15.0 ft
Date Boring Started: 10/25/18
Date Boring Completed: 10/25/18
Logged By: J.W.
Drilling Contractor: Rubino Engineering, Inc.

Sample Types:

 Auger Cutting	 Shelby Tube
 Split-Spoon	 Hand Auger
 Rock Core	 Direct Push

Latitude: 41.894675
Longitude: -87.973737
Drill Rig: Geoprobe 7822DT
Remarks:

The stratification lines represent approximate boundaries. The transition may be gradual.

Rubino Job No.: G18.137
 Project: Villa Park Road and Sewer Improvements
 Location: Various Streets
 City, State: Villa Park, Illinois 60181
 Client: Edwin Hancock Engineering Co.

Drilling Method: 3 1/4" Hollow Stem Auger
 Sampling Method: Split Spoon
 Hammer Type: Automatic
 Boring Location: N. Myrtle Ave

WATER LEVELS	
▽ While Drilling	N/A
▼ Upon Completion	N/A
⏸ Delay	N/A

Elevation (feet)	Depth (feet)	Graphic Log	Sample Type	Sample No.	Recovery (inches)	Station: N/A Offset: N/A	MATERIAL DESCRIPTION	USCS Classification	SPT Blows per 6-inch	Moisture, %	STANDARD PENETRATION TEST DATA		Additional Remarks	
											Moisture	Strength		
0		Approximately 1 1/4 inches of ASPHALT Approximately 8 1/4 inches of CONCRETE												
		Medium stiff, black and dark gray silty CLAY, trace sand and gravel		1	14			CL	3-3-4 N=7	22	⊙	×	*	Qp=2.3 tsf
		Medium stiff, brown to gray silty CLAY, trace sand and gravel		2	16				2-2-3 N=5	22	⊙	×	*	Qp=2.0 tsf
5				3	18				2-2-4 N=6	20	⊙	×	*	Qp=4.0 tsf
				4	18			CL	3-3-4 N=7	21	⊙	×	*	Qp=3.0 tsf
10		Color change to gray at approximately 10 feet below existing grade		5	18				2-2-3 N=5	20	⊙	×	*	Qp=2.0 tsf
				6	18				2-3-4 N=7	19	⊙	×	*	Qp=2.5 tsf
15		End of boring at approximately 15 feet below existing grade. No free groundwater encountered during drilling operations.												

Completion Depth: 15.0 ft
 Date Boring Started: 10/25/18
 Date Boring Completed: 10/25/18
 Logged By: J.W.
 Drilling Contractor: Rubino Engineering, Inc.

Sample Types:

	Auger Cutting		Shelby Tube
	Split-Spoon		Hand Auger
	Rock Core		Direct Push

Latitude: 41.893599
 Longitude: -87.970676
 Drill Rig: Geoprobe 7822DT
 Remarks:

The stratification lines represent approximate boundaries. The transition may be gradual.

Rubino Job No.: G18.137
Project: Villa Park Road and Sewer Improvements
Location: Various Streets
City, State: Villa Park, Illinois 60181
Client: Edwin Hancock Engineering Co.

Drilling Method: 3 1/4" Hollow Stem Auger
Sampling Method: Split Spoon
Hammer Type: Automatic
Boring Location: N. Myrtle Ave

WATER LEVELS	
▽ While Drilling	7.5 FT
▼ Upon Completion	N/A
▼ Delay	N/A

Elevation (feet)	Depth (feet)	Graphic Log	Sample Type	Sample No.	Recovery (inches)	Station: N/A Offset: N/A	MATERIAL DESCRIPTION	USCS Classification	SPT Blows per 6-inch	STANDARD PENETRATION TEST DATA		Additional Remarks
										Moisture, %	Strength, tsf	
0							Approximately 1 1/4 inches of ASPHALT Approximately 7 1/4 inches of CONCRETE					
				1	8		Medium stiff, black to dark gray silty CLAY, trace sand, gravel, and organics	CL	2-3-3 N=6	26	⊗ * *	Qp=2.5 tsf 6% Organic Content
				2	16		Medium stiff, brown sandy silty CLAY, trace and gravel	CL	2-3-3 N=6	16	⊗ *	Qp=2.5 tsf
	5			3	13			CL	1-3-2 N=5	20	⊗ * * *	Qp=1.5 tsf LL = 30 PL = 21
				4	15		Medium stiff, brown to gray silty CLAY, trace sand and gravel	CL	1-3-5 N=8	12	⊗ *	Qp=2.5 tsf
	10			5	16		Color change to gray at approximately 11 1/2 feet below existing grade	CL	3-3-3 N=6	14	⊗ *	Qp=2.0 tsf
				6	18			CL	2-2-4 N=6	20	⊗ *	Qp=2.0 tsf
	15						End of boring at approximately 15 feet below existing grade. No free groundwater encountered during drilling operations.					

Completion Depth: 15.0 ft
Date Boring Started: 10/25/18
Date Boring Completed: 10/25/18
Logged By: J.W.
Drilling Contractor: Rubino Engineering, Inc.

Sample Types:

- Auger Cutting
- Split-Spoon
- Rock Core
- Shelby Tube
- Hand Auger
- Direct Push

Latitude: 41.892719
Longitude: -87.970640
Drill Rig: Geoprobe 7822DT
Remarks:

The stratification lines represent approximate boundaries. The transition may be gradual.

Rubino Job No.: G18.137
 Project: Villa Park Road and Sewer Improvements
 Location: Various Streets
 City, State: Villa Park, Illinois 60181
 Client: Edwin Hancock Engineering Co.

Drilling Method: 3 1/4" Hollow Stem Auger
 Sampling Method: Split Spoon
 Hammer Type: Automatic
 Boring Location: Proposed Detention Pond Summit Terminus

WATER LEVELS	
▽ While Drilling	N/A
▼ Upon Completion	N/A
▽ Delay	N/A

Elevation (feet)	Depth (feet)	Graphic Log	Sample Type	Sample No.	Recovery (inches)	Station: N/A Offset: N/A	MATERIAL DESCRIPTION	USCS Classification	SPT Blows per 6-inch	STANDARD PENETRATION TEST DATA		Additional Remarks
										Moisture, %	Moisture, %	
0							Approximately 3 inches of TOPSOIL: Black silty clay					
				1	16		UNDOCUMENTED FILL: Weathered concrete	CL	2-2-4 N=6	29		8% Organic Content
							Medium stiff, black, silty CLAY			25		Qp=1.5 tsf
							Medium stiff, brown to gray silty CLAY, trace sand and gravel					6% Organic Content
				2	16				1-2-4 N=6	20		Qp=3.5 tsf
				3	16				2-3-2 N=5	22		Qp=2.0 tsf
				4	16				2-3-3 N=6	22		Qp=3.0 tsf
				5	12		Color change to gray at approximately 11 feet below existing grade	CL	1-2-3 N=5	17		Qp=2.0 tsf
				6	18				1-3-3 N=6	19		Qp=2.0 tsf
				7	18				2-2-3 N=5	21		Qp=2.0 tsf LL = 24 PL = 17
				8	16		6 inch silty SAND lense observed at approximately 23 1/2 feet below existing grade		2-2-5 N=7	19		Qp=1.5 tsf
							End of boring at approximately 25 feet below existing grade. No free groundwater encountered during drilling operations.					

Completion Depth: 25.0 ft
 Date Boring Started: 10/25/18
 Date Boring Completed: 10/25/18
 Logged By: J.W.
 Drilling Contractor: Rubino Engineering, Inc.

Sample Types:

	Auger Cutting		Shelby Tube
	Split-Spoon		Hand Auger
	Rock Core		Direct Push

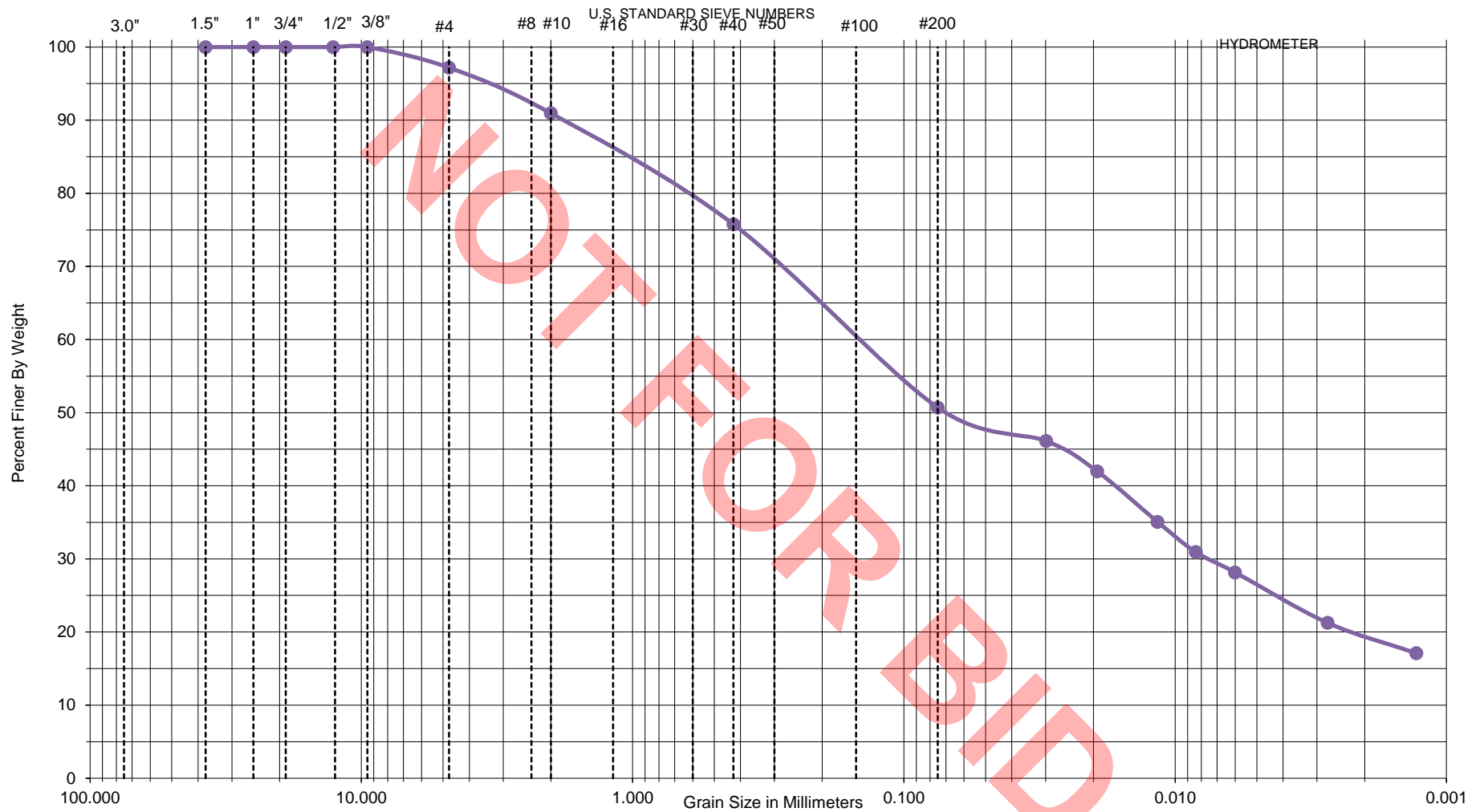
Latitude: 41.896598
 Longitude: -87.972954
 Drill Rig: Geoprobe 7822DT
 Remarks:

The stratification lines represent approximate boundaries. The transition may be gradual.

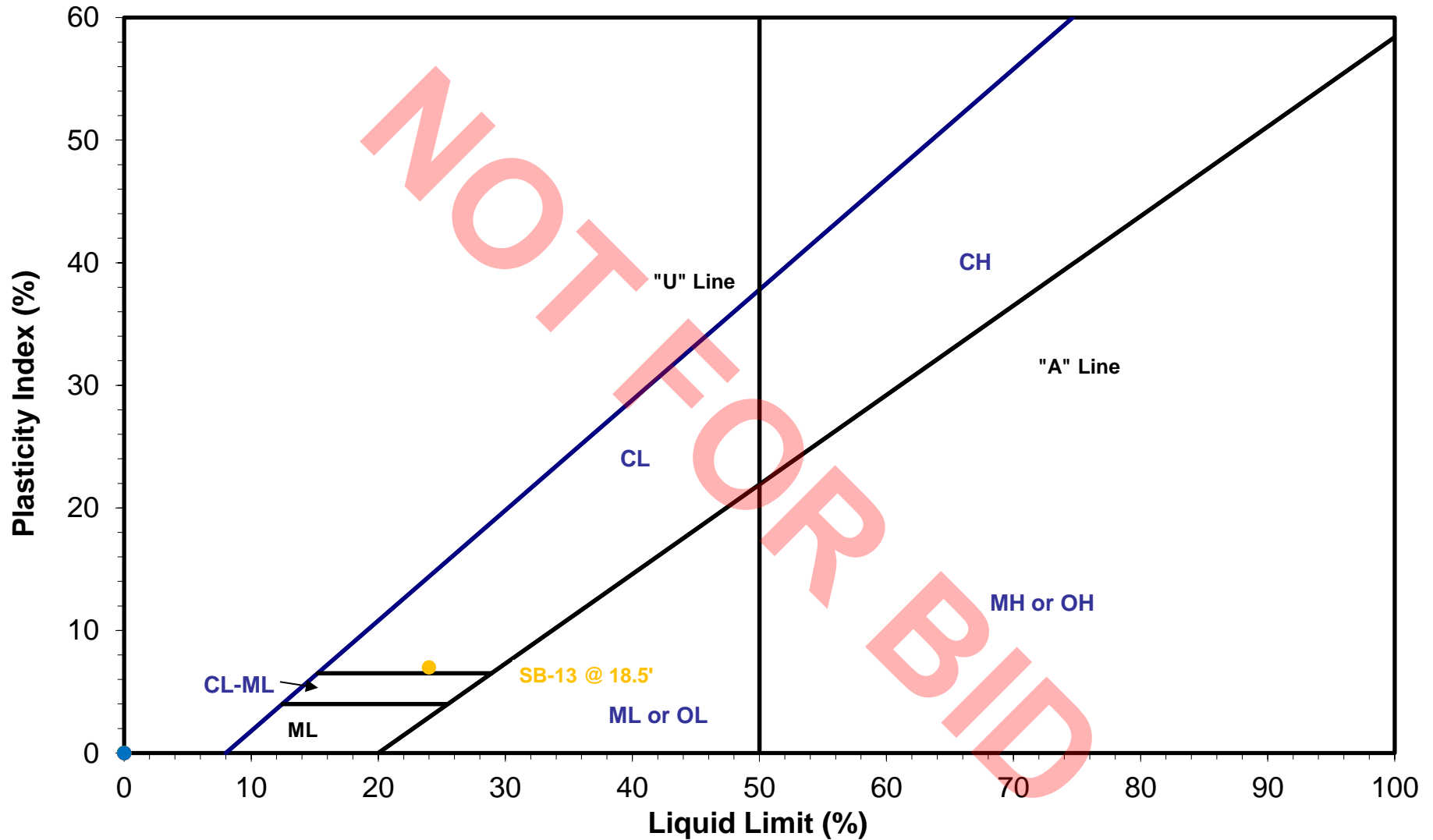
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APPENDIX H – LABORATORY RESULTS

REPORT OF PARTICLE-SIZE ANALYSIS OF SOIL

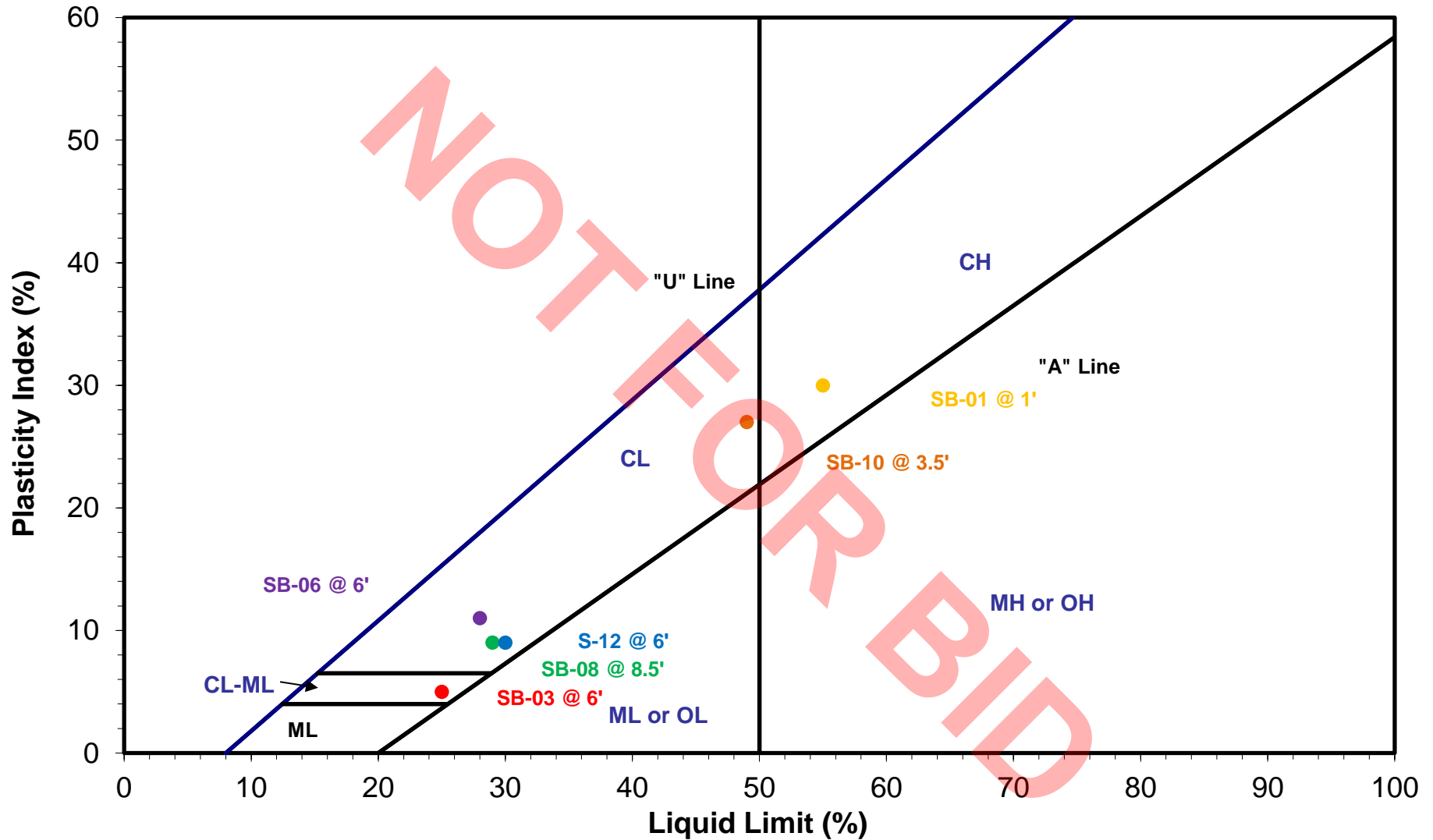


Key	Boring No.	Depth	USCS Classification	WC%	ORG%			%Gravel	%Sand	%Silt	%Clay	D60	D30	
●	SB-12	6'	Sandy Silty Clay (CL)	20	N/A			2.8	46.5	31.6	19.1	0.163	0.008	
REPORT OF PARTICLE-SIZE ANALYSIS OF SOIL			Road & Sewer Improvements, Villa Park.				File No.		G18.137					



Boring #	SB-13 @ 18.5'				
LL	24				
PL	17				
PI	7				

Project: Road & Sewer Improvements
Location: Villa Park, Illinois.
Client: Edwin Hancock Engineering, Co.
Project #: G18.137



Boring #	SB-01 @ 1'	SB-03 @ 6'	SB-06 @ 6'	SB-08 @ 8.5'	SB-10 @ 3.5'	S-12 @ 6'
LL	55	25	28	29	49	30
PL	25	20	17	20	22	21
PI	30	5	11	9	27	9

Project: Road & Sewer Improvements.
Location: Villa Park, Illinois.
Client: Edwin Hancock Engineering Co.
Project #: G18.137

STATUS OF UTILITIES (D-1)

Effective: June 1, 2016

Utility companies and/or municipal owners located within the construction limits of this project have provided the following information in regard to their facilities and the proposed improvements. The tables below contain a description of specific conflicts to be resolved and/or facilities which will require some action on the part of the Department's contractor to proceed with work. Each table entry includes an identification of the action necessary and, if applicable, the estimated duration required for the resolution.

UTILITIES TO BE ADJUSTED

Conflicts noted below have been identified by following the suggested staging plan included in the contract. The company has been notified of all conflicts and will be required to obtain the necessary permits to complete their work; in some instances resolution will be a function of the construction staging. The responsible agency must relocate or complete new installations as noted in the action column; this work has been deemed necessary to be complete for the Department's contractor to then work in the stage under which the item has been listed.

Nicor

No.	Sheet Number	Conflict Type	Conflict Description	Street and Station	Nicor's Agreed Resolution Status
1	8	Gas main at the bottom of ditch	Proposed Storm and Catch Basin	Maple Street, Sta. 2+97	Gas main will be relocated
2	8	Gas main at the bottom of ditch	Proposed Driveway Culvert	Maple Street, Sta. 4+34	Gas main will be relocated
3	8	Gas main at the bottom of ditch	Proposed 12" Storm Sewer and Catch Basin	Maple Street, Sta. 4+90	Gas main will be relocated
4	9	Gas main at right behind the Proposed Catch basin	Proposed Storm Catch Basin	Maple Street, Sta. 6+38	Gas main will be relocated
5	12	Gas main at right behind the Proposed Manhole	Proposed 24" Storm Sewer	Pine Street, Sta. 19+84	Gas main will be relocated
6	13	Gas main crosses proposed storm sewer	Proposed 14"x23" Storm Sewer	Pine Street, Sta. 27+77	Gas main will be relocated
7	13	Gas main very close to fire Hydrant	Proposed Fire Hydrant	Pine Street, Sta. 28+90	Gas main will be relocated along Pine Street due to nearby conflicts with storm drain.

8	14	Gas main very close to Catch Basin	Proposed Storm Catch Basin	Pine Street, Sta. 29+40	Gas main will be relocated
9	14	Gas main crosses proposed storm sewer	Proposed 14"x23" Storm Sewer	Pine Street, Sta. 31+69	Gas main will be relocated
10	14	Gas main crosses proposed Sanitary sewer	Proposed 15" Sanitary Sewer	Pine Street, Sta. 31+69	Gas main will be relocated
11	15	Shallow gas main less than 30" deep not acceptable to Nicor Gas	Shallow Gas Main	Oak Street, Sta. 39+98	Gas main will be relocated to meet minimum 30" depth below proposed grade.
12	16	Gas main crosses proposed Storm sewer	Proposed 12" Storm Sewer	Oak Street, Sta. 45+92	Gas main will be relocated at intersection of Oak St. and Myrtle St. due to conflicts with proposed storm.
13	16	Gas main crosses proposed Storm sewer and close to Manhole	Proposed 12" Storm Sewer and Storm Manhole	Oak Street, Sta. 45+92	Gas main will be relocated at intersection of Oak St. and Myrtle St. due to conflicts with proposed storm.
14	16	Gas main crosses proposed Storm sewer and close to Manhole	Proposed 24" Storm Sewer and Storm Manhole	Oak Street, Sta. 45+92	Gas main will be relocated at intersection of Oak St. and Myrtle St. due to conflicts with proposed storm.
15	17	Gas main crosses proposed Storm sewer and less than 30" deep	Proposed 12" Storm Sewer & Shallow Gas Main	Oak Street, Sta. 49+96	Gas main will be relocated to meet minimum 30" depth below proposed grade.
16	18	Gas main crosses proposed Storm sewer and less than 30" deep	Proposed 24" Storm Sewer & Shallow Gas Main	Summit Avenue, Sta. 59+99	Gas main will be relocated to meet minimum 30" depth below proposed grade.
17	18	Gas main crosses proposed Storm sewer and less than	Proposed Storm Catch Basin & Shallow Gas	Summit Avenue, Sta. 59+88	Gas main will be relocated to meet minimum 30"

		30" deep	Main		depth below proposed grade.
18	18	Gas main crosses proposed Storm sewer and close to Manhole	Proposed Sanitary Manhole	Summit Avenue, Sta. 61+44	Nicor to relocate gas main along Pine St. due to conflicts with proposed storm.
19	18	Shallow Gas main less than 30" deep not acceptable to Nicor Gas	Proposed Storm Catch Basin & Shallow Gas Main	Summit Avenue, Sta. 63+24	Gas main will be relocated to meet minimum 30" depth below proposed grade.
20	25	Gas main close to Catch Basin and less than 30" deep	Proposed Storm Catch Basin	Division Street, Sta. 118+51	Main will be relocated due to conflicts with proposed storm Catch Basin and to meet minimum 30" depth requirement.
21	25	Gas main close to Fire hydrant and less than 30" deep	Proposed Fire Hydrant	Division Street, Sta. 119+48	Main to be relocated due to conflicts with proposed Fire Hydrant and to meet minimum 30" depth requirement.

ATT

No.	Sheet Number	Conflict Type	Conflict Description	Street and Station	AT&T's Agreed Resolution Status
1	5	AT&T crossings proposed storm sewer and at behind the Catch Basin	19"x30" Proposed Storm Sewer and Catch Basin	Maple Street, Sta. 18+60	AT&T will perform Test pit for depth checks If found in direct conflict, they will relocate their Cable. AT&T will relocate their cable from behind the catch Basin at South-West corner.

2	8	AT&T crossings proposed storm sewer	14"x23" Proposed Storm Sewer	Pine Street, Sta. 32+10	AT&T will perform Test pit for depth checks. If found in direct conflict, they will relocate their Cable.
3	11	AT&T crossings proposed storm sewer	27" Proposed Storm Sewer	Oak Street, Sta. 48+10	AT&T will perform Test pit for depth checks. If found in direct conflict, they will relocate their Cable.
4	11	AT&T crossings proposed storm sewer and at behind the Catch Basin	24" Proposed Storm Sewer and Catch Basin	Division Street, Sta. 137+35	Will perform Test pit for depth checks If found in direct conflict, they will relocate their Cable. AT&T will relocate their cable from behind the catch Basin at South-West corner.

ComEd

No.	Sheet Number	Conflict Type	Conflict Description	Street and Station	ComEd to relocate or braced Power pole
1	8	Power Pole next to the bottom of Culvert	Proposed Driveway Culvert	Maple Street, Sta. 2+50, 17'N	ComEd will need to relocate Power pole
2	8	Power Pole next to the bottom of Culvert	Proposed Driveway Culvert	Maple Street, Sta. 3+47, 17'N	ComEd will need to relocate Power pole
3	8	Power Pole next to the bottom of Culvert	Proposed Driveway Culvert	Maple Street, Sta. 4+47, 18'N	ComEd will need to relocate Power pole
4	12	Power Pole right behind the curb and gutter, potential safety hazard	Proposed Curb and Gutter	Pine Street, Sta. 19+91, 21'N	ComEd will need to relocate Power pole
5	18	Power Pole right behind the curb and gutter, potential safety hazard	Proposed Curb and Gutter	Summit Avenue, Sta. 59+87, 16'E	ComEd will need to relocate Power pole

Comcast

No.	Sheet Number	Conflict Type	Conflict Description	Street and Station	Potential utility conflicts with COMCAST
1	14	Comcast crossings proposed storm sewer	Proposed 14"x23" Storm Sewer	Pine Street, Sta. 32+10	Cable depths unknown, still waiting for their response. Comcast will need to relocate their Cable if it is found in direct conflicts with our proposed sewer depths.
2	17	Comcast crossings proposed storm sewer	Proposed 27" Storm Sewer	Oak Street, Sta. 49+92	Cable depths unknown, still waiting for their response. Comcast will need to relocate their Cable if it is found in direct conflicts with our proposed sewer depths.

The following contact information is what was used during the preparation of the plans as provided by the Agency/Company responsible for resolution of the conflict.

Utility Company	Contact Name	Title	Telephone number	Email
Nicor gas	Mike Diorio	Consultant for Nicor Kimley-Horn	630-447-4270	Mike.Diorio@kimley-horn.com
AT&T	Larry Smith	Manager- OSP Plng & Design Technology Operations, Construction & Engineering – MW	847-867-9403	LS6243@att.com
ComEd	Carla Strunga	—	—	Carla.Strunga@Comed.com
Comcast	Robert Stoll	Roght of way Engineer	224-229-5849	—
Comcast	Martha Gieras	—	—	MARTHA_GIERAS@COMCAST.COM