

Villa Park

Grade Separation Feasibility Study Project Introduction



The Why, What, When, and How Much.

April 10, 2023

**CDM
Smith**

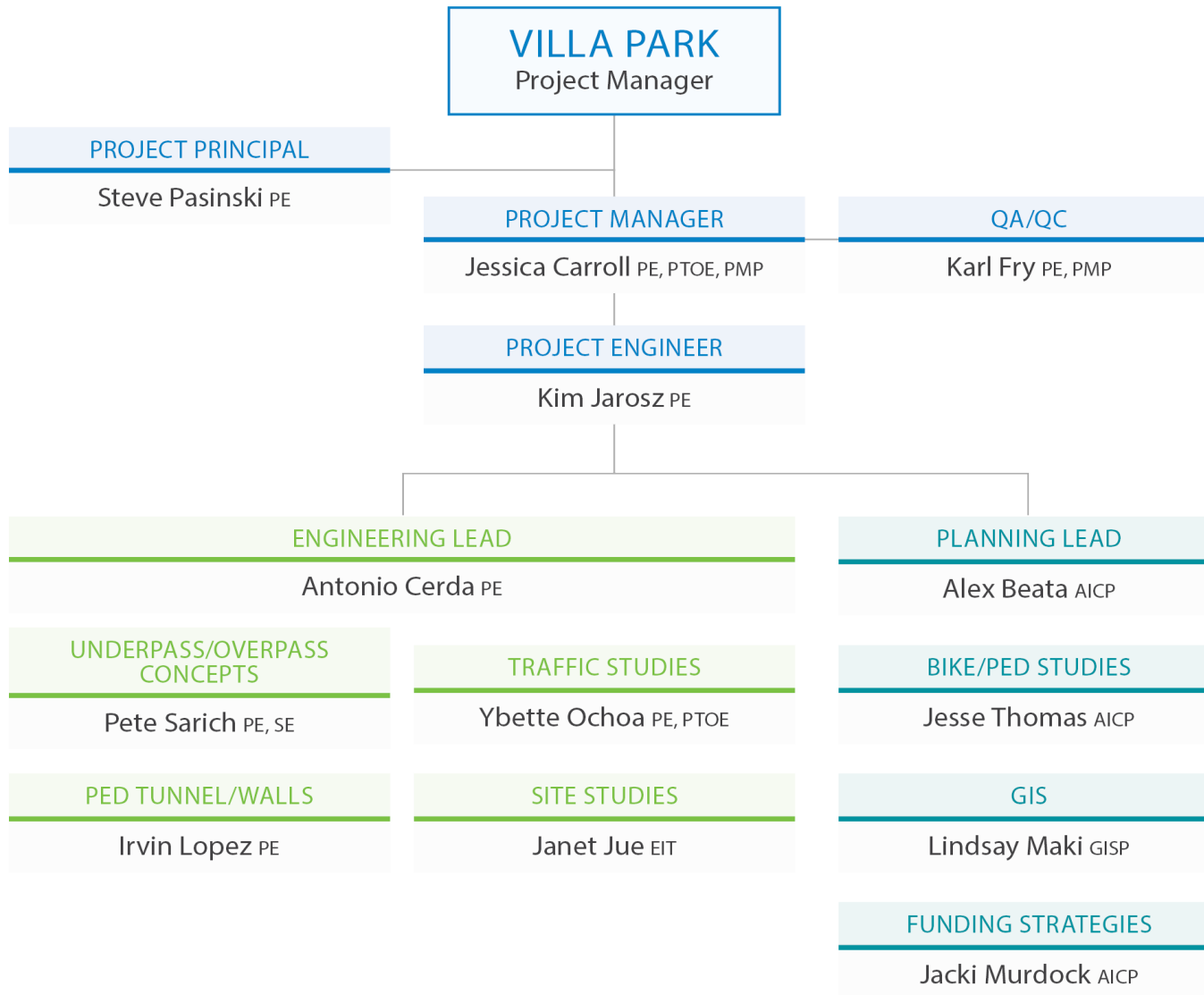
Today's Meeting



Agenda

- Team Introductions
- Study Overview
- Current Schedule
- Purpose of the Study
- Process + Phasing
- Next Steps

Team Introduction



OUR FIRM

5,500 employees
130 offices worldwide
\$1.4B annual revenue

- Employee-Owned Independence -

2022 Engineering News Record DESIGN/TRANSPORTATION TOP FIRMS

TOP 500 #23 Design Firm

TOP 50 #26 Transportation

TOP 25 #17 Highways

TOP 25 #16 Mass Transit + Rail

TOP 50 #18 Global Design Firm

SOURCE: ENR, 2022

Similar Work Experience



Glen Ellyn Metra Station + Multimodal Access Improvements Program + UPRR Underpass



Elmhurst Metra Station + Pedestrian-Bicycle UPRR Underpass

Feasibility Study Overview

The intent of the study is to assess the nature and demand of user access across the Union Pacific Railroad (UPRR) within the Village limits and to identify feasible means to grade separate permanent access for motorized and non-motorized users.



Purpose of the Project



Assess overall travel for motorized vehicles, in particular emergency services



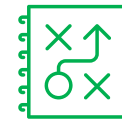
Improve user safety and access for all modes



Reduce UPRR crossing delays



Identify preferred routing of traffic



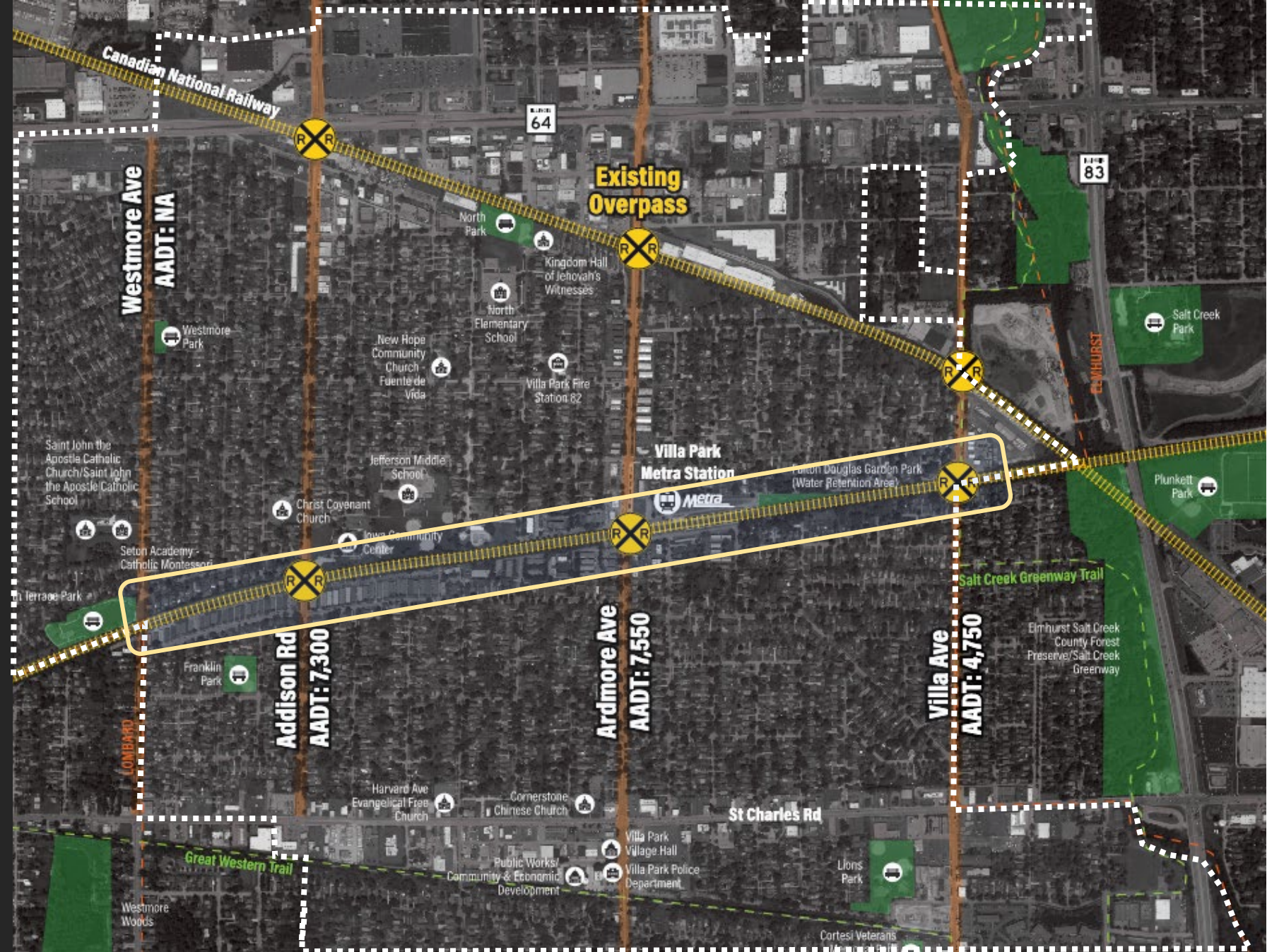
Provide additional circulation



Encourage economic development

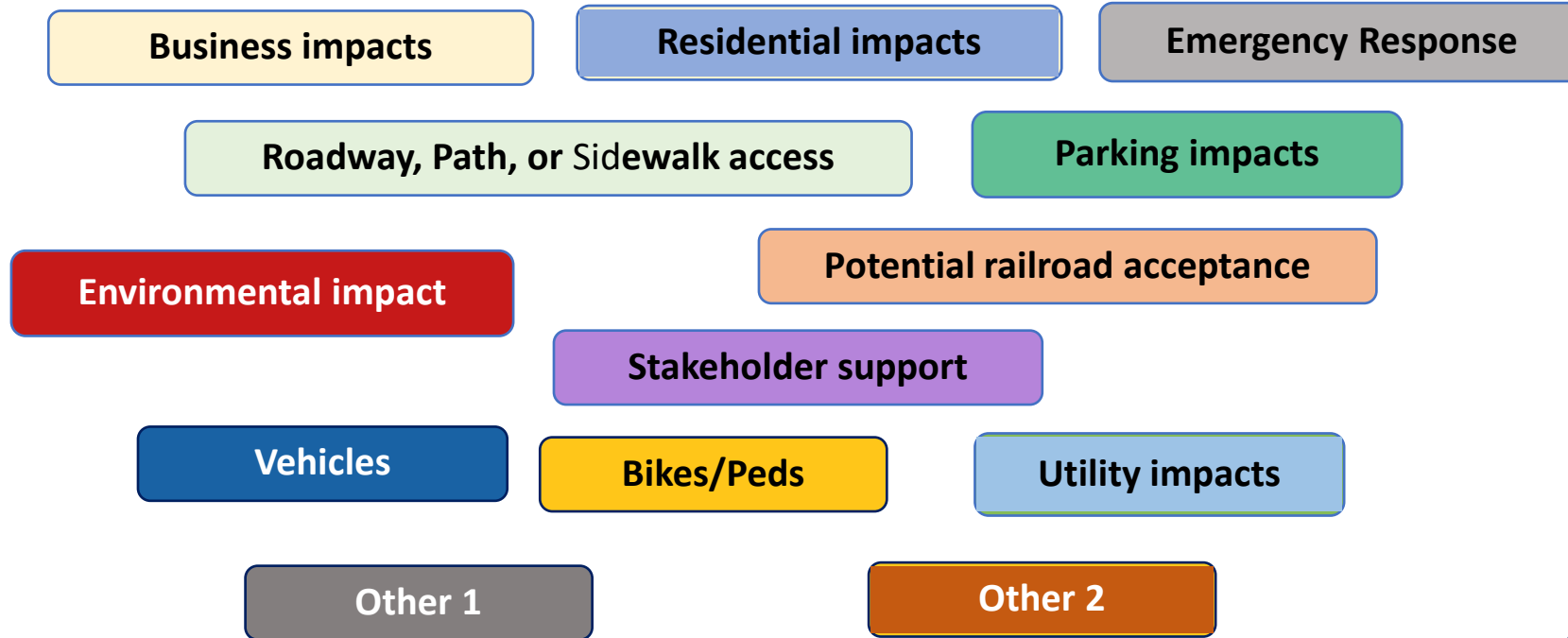
Feasibility Study Area

- **Vehicular**
 - Underpass
 - Overpass
- **Ped/Bike**
 - Underpass
 - Overpass

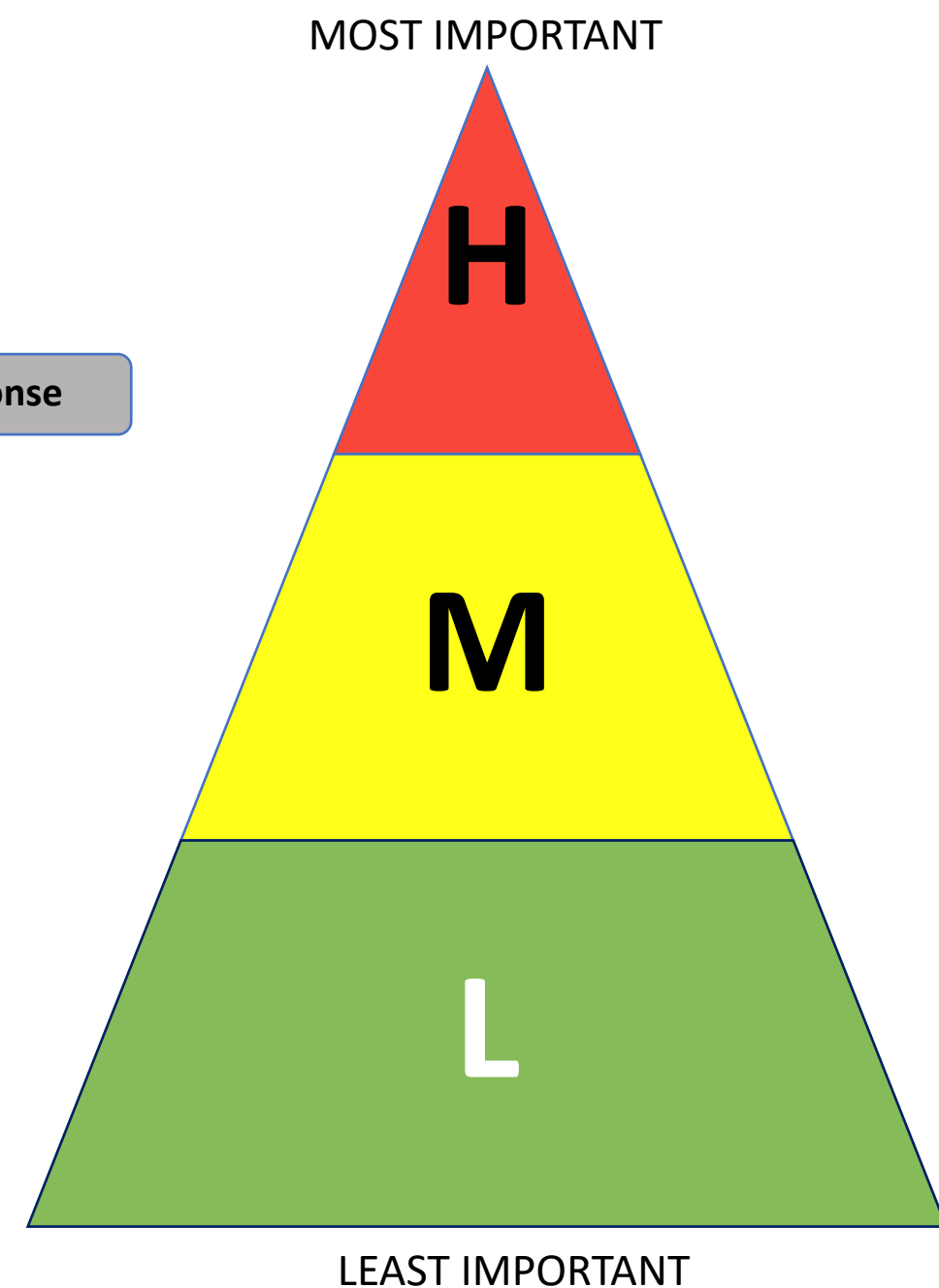


Feasibility Criteria

- Evaluation criteria to include:



Public Survey – April 2023



Current Schedule (Feasibility Study)

2023

JAN

FEB

MAR

APR

MAY

JUN

JUL

AUG

Data Collection and Data Evaluation

Objectives Workshop

Targeted Outreach

Concepts Development

Concepts Refinement

Concepts Finalization

Administration + QA/QC

KEY:  Project Management Progress Meeting

 Village Board Meeting Outreach/Support

Project Process + Phasing

Feasibility



GRADE SEPARATION
FEASIBILITY STUDY
8-9 MONTHS

2023

2024

2025

2026

2027

- **Phase:** Currently in the Feasibility Phase
- **Timeline:** 8-9 month process
- **Goals of this phase:**
 - Collect and analyze pertinent data
 - Receive public and stakeholder input
 - Define project need
 - Identify feasible alternatives
- **Outcomes of this phase:**
 - Understanding of alternatives pro's and con's
 - Identify alternatives to carry forward to next phase
- **Cost of this phase:** \$97.6k (approved)
- **Potential Risks:** Limited

Project Process + Phasing

Phase I / NEPA



- **Phase:** Phase I/National Environmental Protection Act (NEPA)
- **Timeline:** 18-24 month process
- **Goals of this phase:**
 - Approved environmental clearances
 - RR, agency, utility coordination
 - Identify ROW Needs
 - Public Input & Buy-In
 - Geometric Alternatives Analysis
- **Outcomes of this phase:**
 - Purpose and Need Statement
 - **Identification of Preferred Alternative/Approved NEPA Document**
 - RR/Agency/Utility agreements
 - **Identify / begin to secure funding**
- **Cost of this phase:** \$600k -800k
- **Potential Risks:** IDOT and UPRR coordination

Project Process + Phasing

Phase II / Design



- **Phase:** Phase II/Design
- **Timeline:** 12-24 month process
- **Goals of this phase:**
 - Final design plans and details
 - Agency agreements
 - Utility coordination
 - ROW acquisition
- **Outcomes of this phase:**
 - Construction Documents
 - Final plans, specifications, and cost estimates
 - Finalize funding commitment(s)
- **Cost of this phase:** \$1.75M-\$3M
- **Potential Risks:** ROW Acquisition, cost increases

Project Process + Phasing

Phase III / Construction



- **Phase:** Phase III/Construction
- **Timeline:** 16-24 month process
- **Goals of this phase:**
 - Build preferred alternative
- **Outcomes of this phase:**
 - Constructed project
- **Cost of this phase:** \$20-25M
- **Potential Risk:** Overall schedule, material and labor costs.



Next Steps

- 123 Survey (April 2023)
- Internal Village Project Objectives Meeting
- Developing Criteria Matrix
- Begin Development of Alternatives
 - Over/Under
 - Ped only
 - Safety improvements
 - Technology alternatives
- Initial Evaluation of Alternatives
- Return to Committee of the Whole
- Finalize Alternatives
- Develop Recommendations