

Welcome

Public Hearing

Thursday, June 6th, 2019

7:00 PM Transportation Advisory Board Meeting
Naperville City Council Chambers

95th Street at Book Road
Intersection Improvements
Phase I Study



Meeting Purpose

Present the
Project
Overview

Present the
Preferred
Alternative

Present the
Environmental
Study Results

Obtain Input

Presentation Agenda

1. Project Location and Study Area
2. Project Phases and Environmental Process
3. Purpose and Need
4. Alternatives and Evaluation
5. Preferred Alternative
6. Environmental Study Results
7. Land Acquisition
8. Public Forum

Project Location



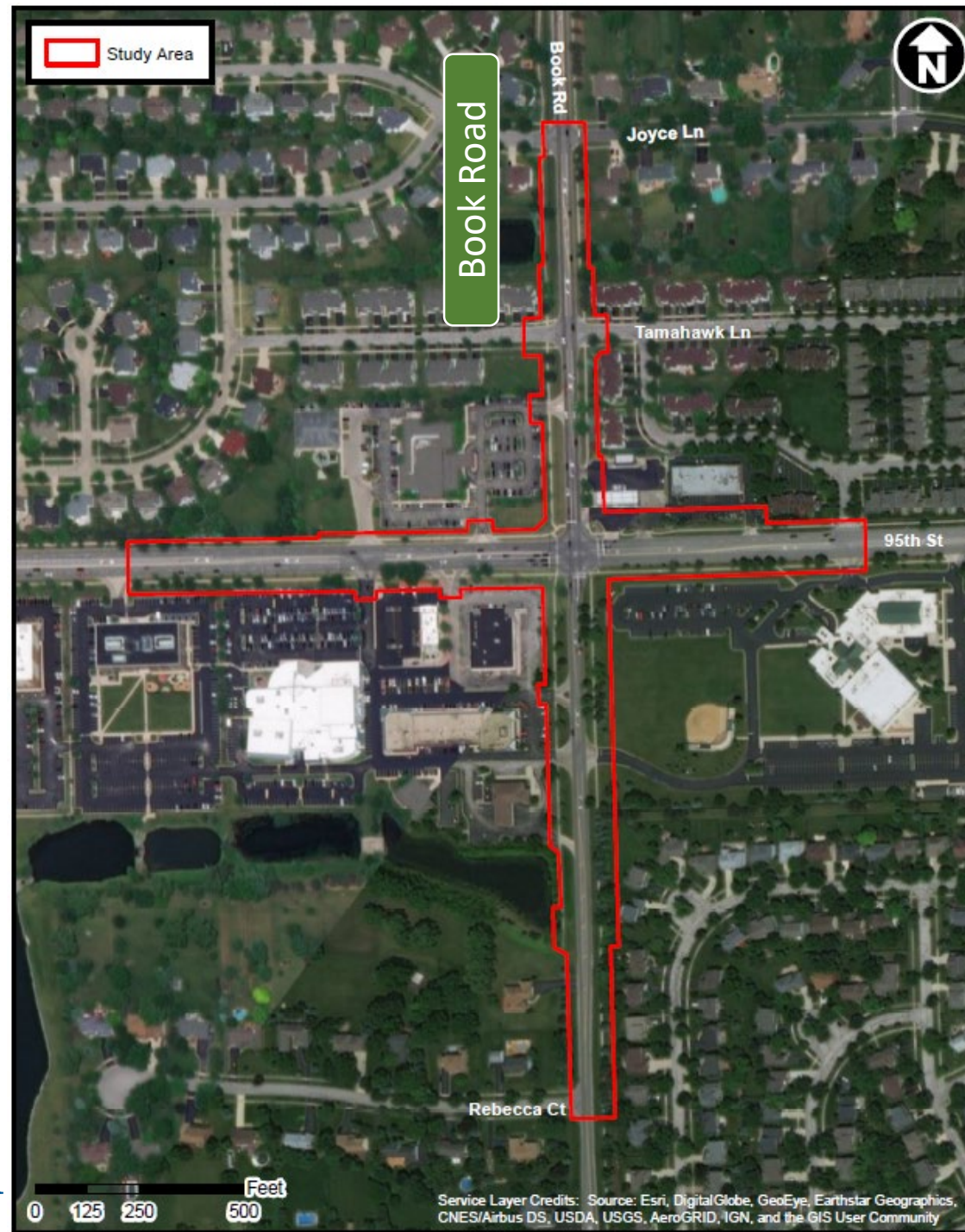
Project in
Will County

95th Street at Book Road Intersection Improvements

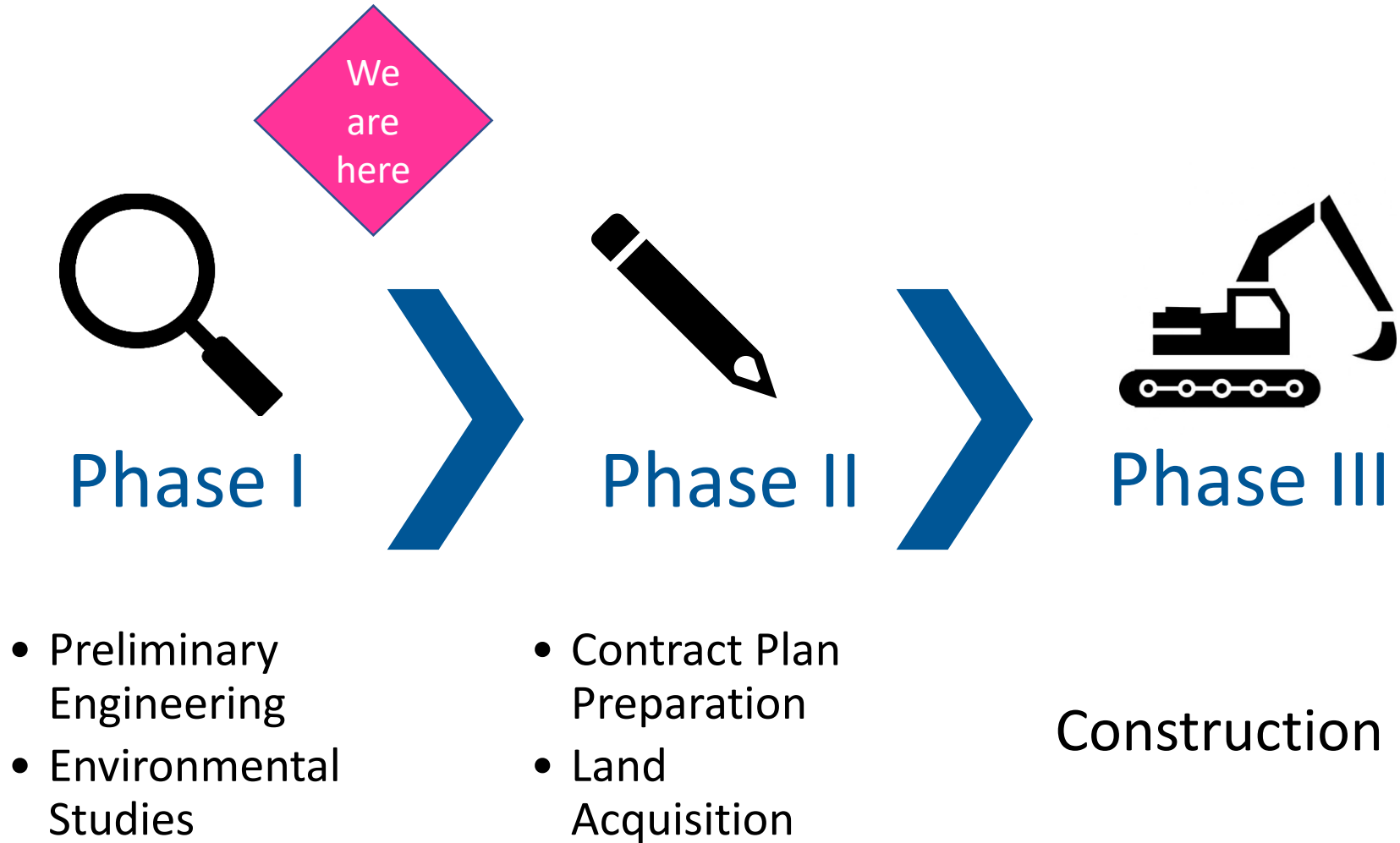
Study Area

95th Street

95th Street at Book Road



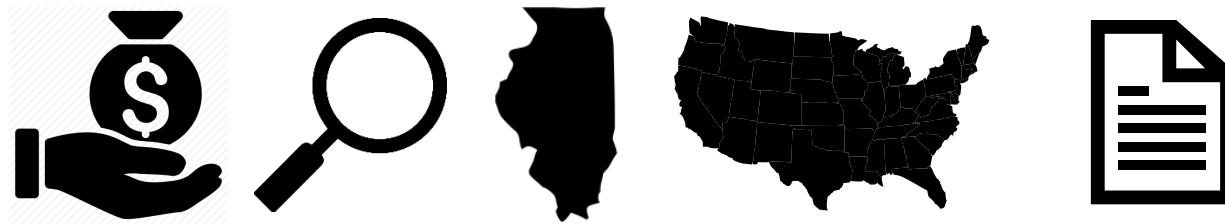
IDOT Roadway Project Phases



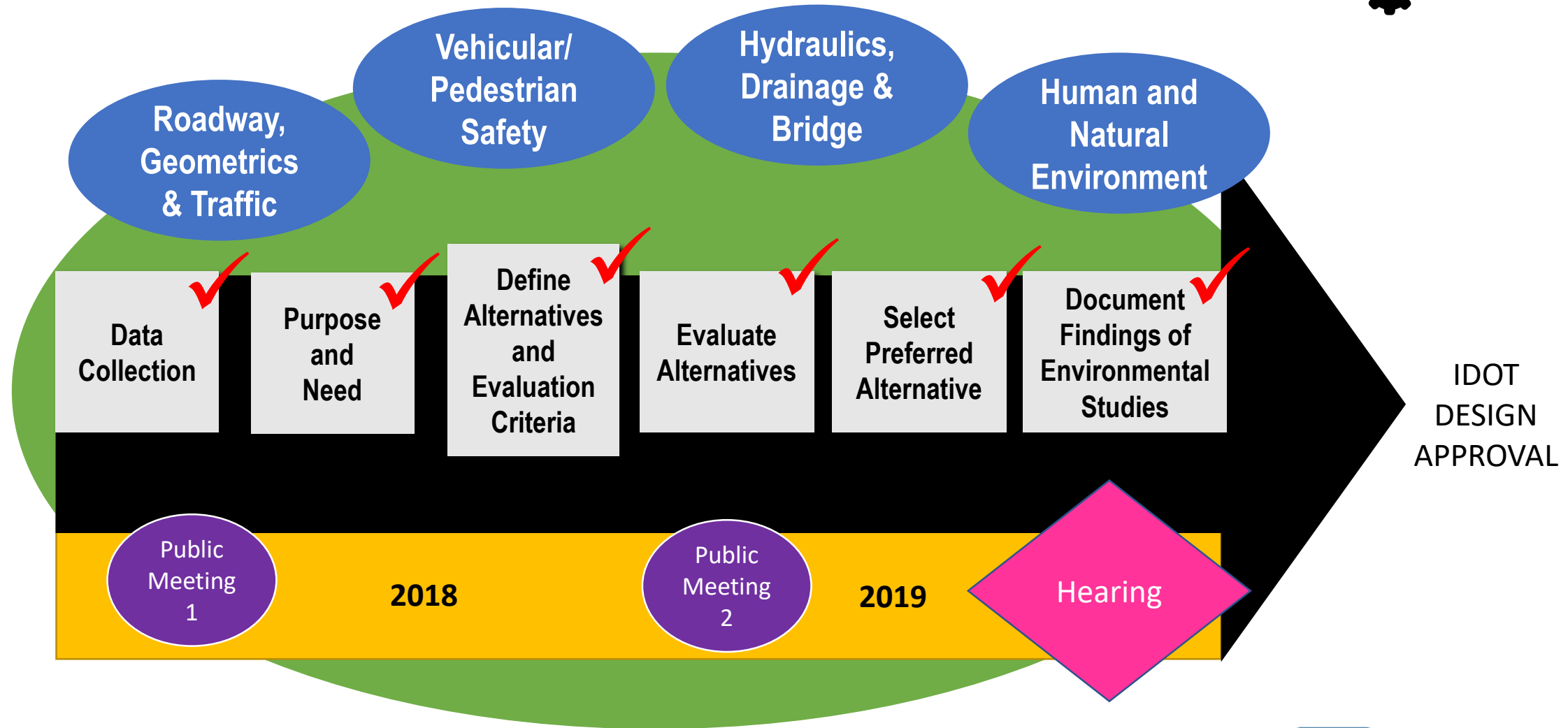
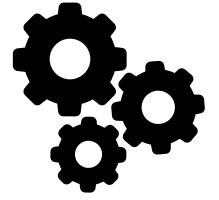
Environmental Process

National Environmental Policy Act (NEPA) 1969

- Compliance required for federal funding eligibility
- Full range of reasonable alternatives, including the “no-build” alternative
- Comprehensive environmental review
- Categorical Exclusion Document



Phase I Process



Public Meeting #1 Summary



- May 22, 2018 at 95th Street Library
- 41 attendees
- Project Introduction
- Attained Input on Issues and Concerns
 - Queuing on Book Road during rush hours
 - Congestion due to Neuqua Valley High School
 - Access to and from existing businesses
 - Construction impacts
 - No issues with intersection



Purpose and Need



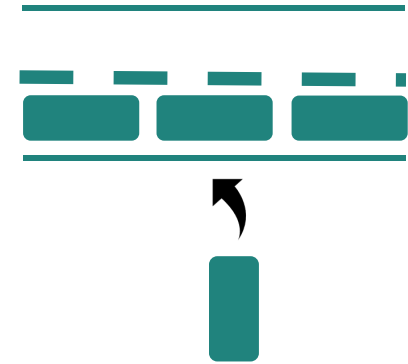
The purpose of the project is to improve safety and capacity of 95th Street at Book Road and to minimize operational impacts at adjacent full access points.



SAFETY



CAPACITY



OPERATIONS

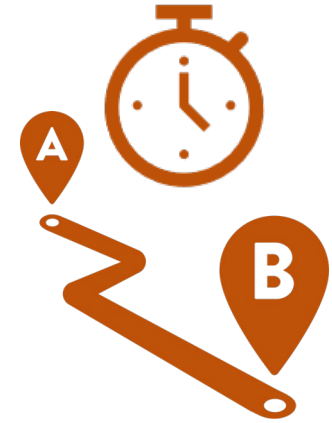
Safety

The intersection is currently experiencing approximately 20 crashes per year, which is **triple the national average** of expected crash frequency with a similar intersection with similar traffic volumes.



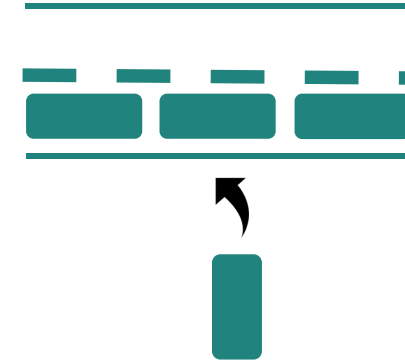
Capacity

- Currently high delay for eastbound left and westbound thru movements in the **morning**
- Currently high delay for northbound left and southbound thru movements in the **evening**
- The entire intersection is expected to have high levels of delay in the year 2040, specifically classified with a failed level of service.



Operations

- Existing vehicular queues block the intersection of Book Road at Tamahawak Lane in the afternoon school peak and PM peak hour.
- Projected 2040 traffic queues are expected to create additional blockages at:
 - 95th Street at the YMCA Entrance
 - Book Road at the Church/Commercial Entrance



Alternatives

No Build Alternative

- Existing Lane Configuration

Build Alternative 1

- Add Eastbound and Southbound Right Turn Lanes

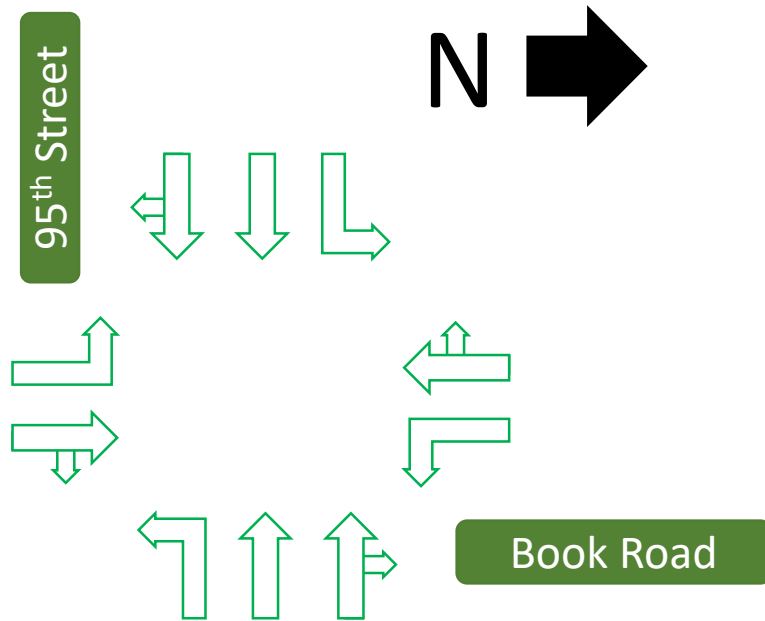
Build Alternative 2

- Add Eastbound and Southbound Right Turn Lanes
- Add Northbound and Southbound Thru Lanes to Book Road

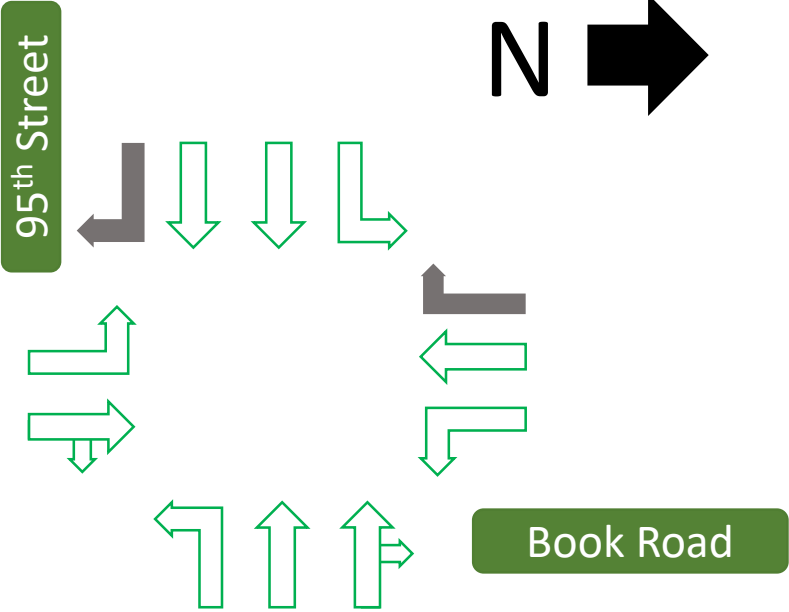
Build Alternative 3

- Add Right Turn Lanes on All Approaches
- Add Northbound and Southbound Thru Lanes to Book Road

No Build Alternative



Build Alternative 1



95th Street at Book Road Intersection Improvements

Build Alternative 2



95th Street at Book Road Intersection Improvements

Build Alternative 3



95th Street at Book Road Intersection Improvements

Alternative Evaluation Matrix

			Existing 2018	No Build 2040	Build 1 2040	Build 2 2040	Build 3 2040
#	Evaluation Item	Method Of Measurement	Existing Channelization	Existing Channelization	Right Turn Lanes EB 95th, SB Book	Thru Lanes on Book, Right Turn Lanes EB 95th, SB Book	Thru Lanes on Book, Right Turn Lanes All Approaches
1	Safety	Crash Frequency Actual for Existing (2013-2017), Expected for Build (2040)	20 crashes/year	28 crashes/year	13.75 crashes/year	13.75 crashes/year	12.68 crashes/year
2	Capacity	Intersection Delay - PM Peak Hour	48.2 seconds	86.1 seconds	52.2 seconds	35.2 seconds	30.8 seconds
3	Operations	Southbound Book Road Queues Blocking intersection of Tamahawk Lane	Yes, Blockage	Yes, Blockage	Yes, Blockage	No Blockage	No Blockage
4	Operations	Northbound Book Road Queues Blocking Church/ Commercial Entrance	No Blockage	Yes, Blockage	Yes, Blockage	No Blockage	No Blockage
5	Operations	Eastbound 95th Street Queues Blocking YMCA Entrance	No Blockage	Yes, Blockage	No Blockage	No Blockage	No Blockage
6	Property Impacts	Acres of Acquired Permanent ROW	N/A	0	0.07 acres	0.17 acres	0.19 acres
7	Funding	Meet Requirements for Federal Funding Assistance	N/A	N/A	No, Doesn't Qualify for Federal Funding	Yes, Qualifies for Federal Funding	Yes, Qualifies for Federal Funding
8	Cost	Total Project Cost (\$ millions)	N/A	0	\$1.1 million	\$2.1 million	\$2.4 million

Public Meeting #2 Summary

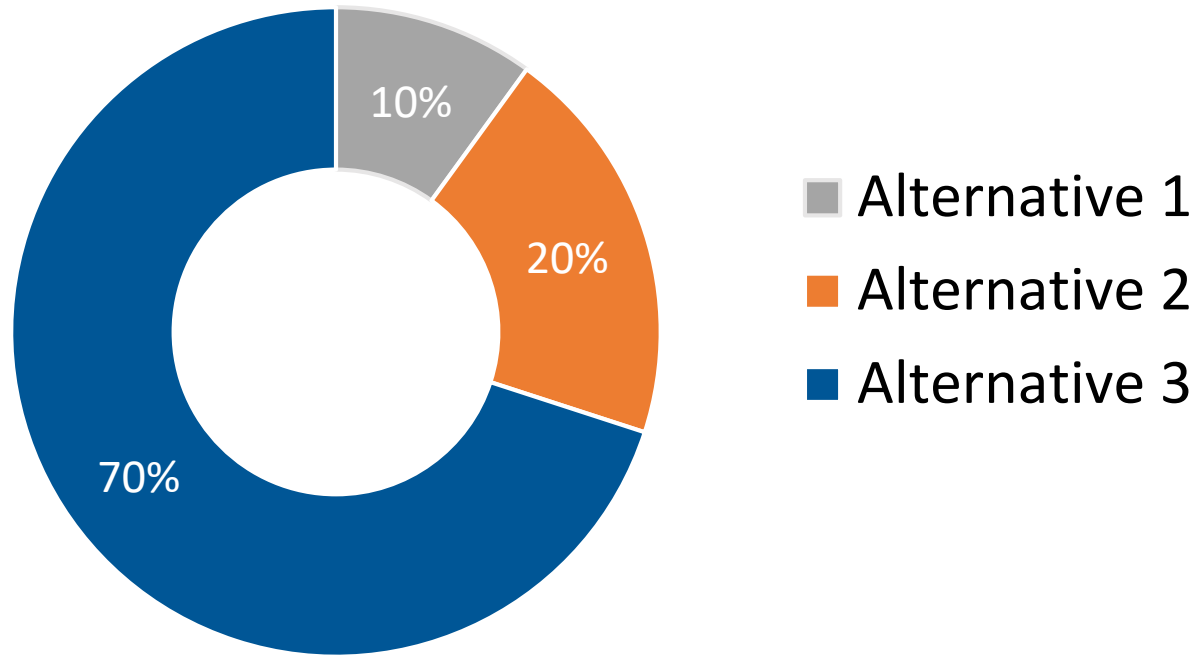


- September 20, 2018 at 95th Street Library
- 42 attendees
- Presented Purpose & Need and Alternatives
- Attained Input on Issues, Concerns and Alternatives



Public Feedback on Alternatives

% Support on Alternatives

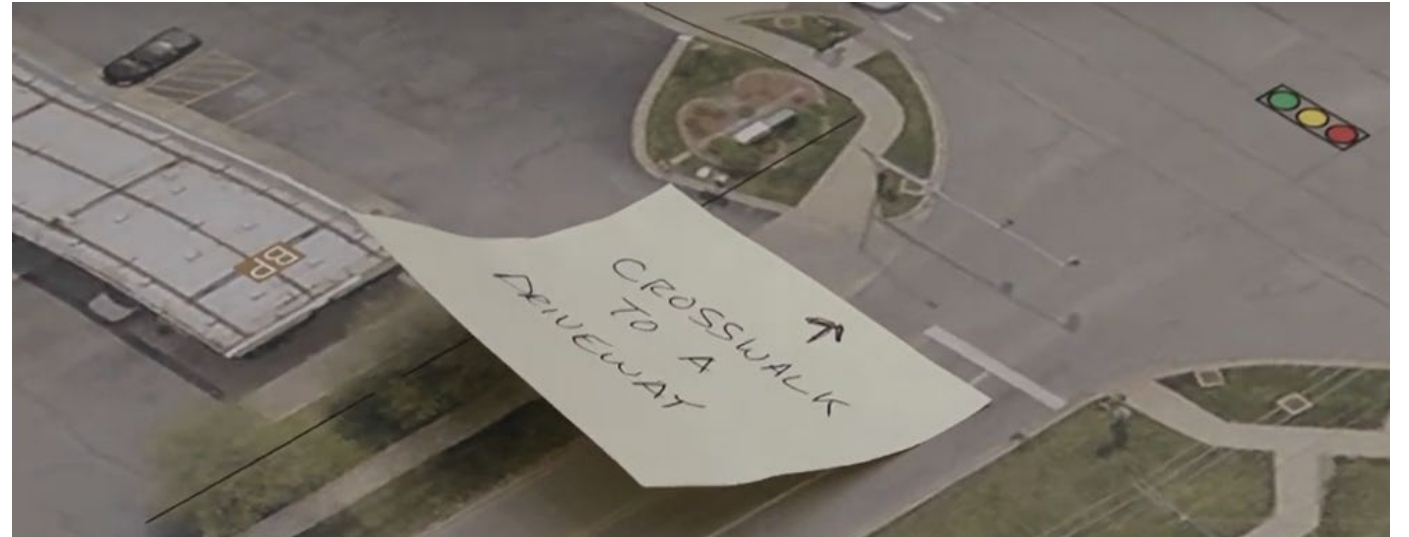


Alternative 3 because:

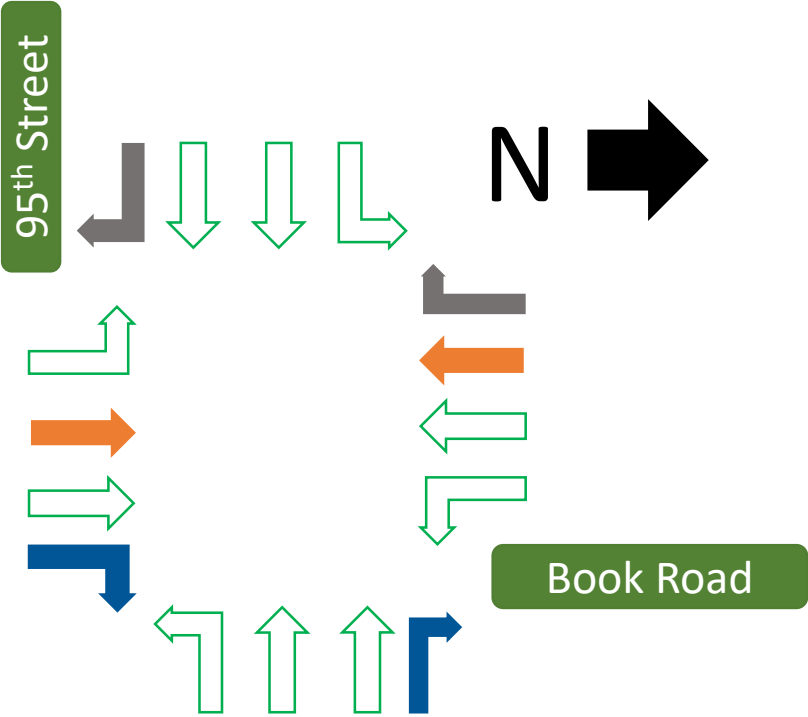
- Greatest safety improvements
- Greatest reduction in delay
- Most efficiently accommodate the future traffic volumes

Public Feedback on Alternatives

- Three residents opposed
 - Pedestrian safety not Thoroughly Considered
 - Increased traffic on Book Road makes it more difficult to exit neighborhood
 - Vehicles closer to backyard with widened Book Road

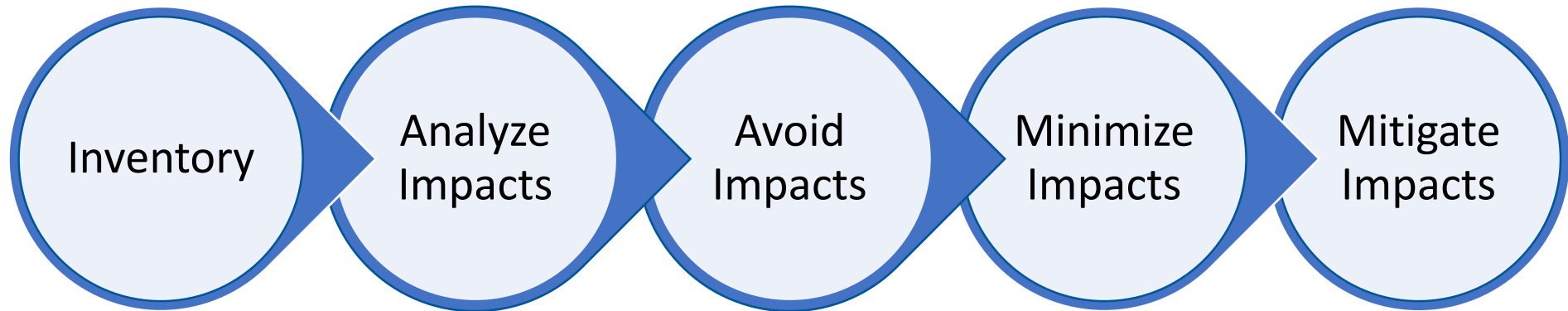


Preferred Alternative - Build Alternative 3



95th Street at Book Road Intersection Improvements

NEPA Process



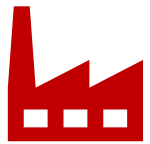
General Types of Environmental Resources



Neighborhoods



Traffic Noise



Businesses and
Residences



Cultural and
Historic Resources



Farmlands



Public Lands



Water and
Natural Resources



Forest
Preserves

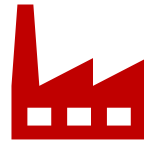
Environmental Impacts

- Residential Property Impacts
- Commercial Property Impacts

- 3 Properties
- 0.01 Acres Permanent
- No displacements



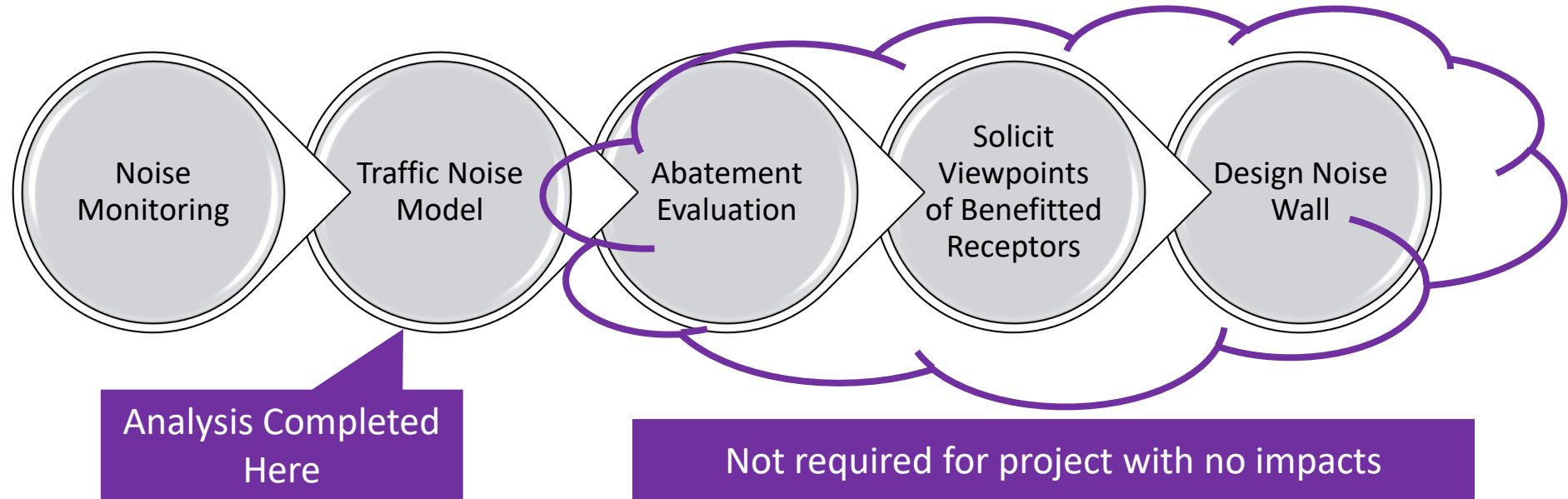
- 10 Properties
- 0.18 Acres Permanent
- No displacements
- Entrance Removal from 95th Street at Gas Station due to Operational Concerns



- Tree Removals – Trees will be replaced per IDOT Policy
- Special Waste Concerns – Further Study in Phase II (Gas Station, Cleaners)



Noise Analysis



- Noise Impacts have been evaluated for the Preferred Alternative
- Future traffic noise levels were predicted
- No Impacts per IDOT Policy
- IDOT Review and Approval

Land Acquisition

- **Fee Simple Acquisition**

the acquisition of all rights and interest of real property

0.20 Acres

- **Permanent Easements**

where underlying ownership is retained by the property owner, but access is permanently allowed during and after construction for maintenance of facilities such as drainage structures

0 Acres

- **Temporary Easements**

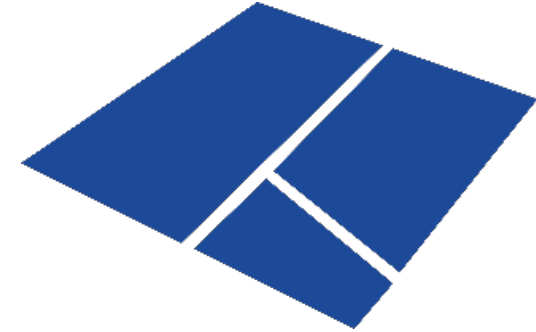
where underlying ownership is retained by the property owner but access is temporarily allowed only during construction for items such as grading work, driveway construction, and landscaping restoration

0.80 Acres

Land Acquisition – Preliminary Property Impacts

	Address	Name	Temporary Easement – SQFT (Acres)	Fee Simple ROW – SQFT (Acres)
1	2060 95 th Street	Burger King	1,864 (0.04)	420 (0.01)
2	3035 Book Road	Walgreens	1,666 (0.04)	2,160 (0.05)
3	1852 95 th Street	Wheatland Salem Church	4,470 (0.10)	2,559 (0.06)
4	2888 Book Road	BP Gas Station	10,672 (0.24)	1,240 (0.03)
5	1935 95 th Street	Strip Mall	3,146 (0.07)	1,175 (0.03)
6	2803 Alandale Circle	Residential	-	50 (0.00)
7	23155 Joyce Lane	Residential	6900 (0.16)	600 (0.01)
8	2120 95 th Street	YMCA	840 (0.02)	-
9	2007 95 th Street	Edward-Elmhurst Health Center	1,694 (0.04)	-
10	Book Road	Retention Pond	60 (0.00)	-
11	3135 Book Road	Charles Rutenburg Realty	949 (0.02)	-
12	3075 Book Road	95 th Street Shops	1,207 (0.03)	-
13	1963 Tamahawk Lane	Residential	1,713 (0.04)	-
	TOTAL		(0.80 Acres)	(0.20 Acres)

Land Acquisition Process



1. **Ownership** - The ownership of the property is confirmed;
2. **Plat of Survey** - A plat of survey drawing is prepared to show the dimensions and amount of property that is being acquired;
3. **Appraisal** - An independent appraisal is made to determine the fair market value of the property to be acquired;
4. **Negotiations** - Negotiations begin with an offer to acquire the necessary property at the appraised value;
5. **Eminent Domain** - If a settlement cannot be reached, the matter is referred to the Courts for acquisition under the law of Eminent Domain.

Next Steps

- City will plan to proceed with project after receiving Transportation Advisory Board (TAB) and City Council Approval
- Assemble Comments, Review and Document Public Hearing
- Submit Project Development Report (PDR) for Design Approval and Categorical Exclusion Approval to IDOT
- Submit for Highway Safety Improvement Program (HSIP) funding (federal)
- Continue to Phase II (Land Acquisition and Contract Plan Preparation)



Comments

Written Comments

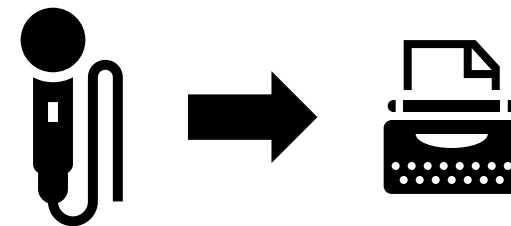
- Comment Forms
 - Comment Box
 - Mail
 - Email



Thursday, June 20, 2019 Deadline

Verbal Comments

- Public Forum
- Video recorded and transcribed



Public Forum

- Tonight's Public Forum is an opportunity for anyone to publicly state their opinion about the intersection improvement study
- All verbal comments are recorded and will become part of the Public Hearing record
- Please keep all remarks respectful and courteous