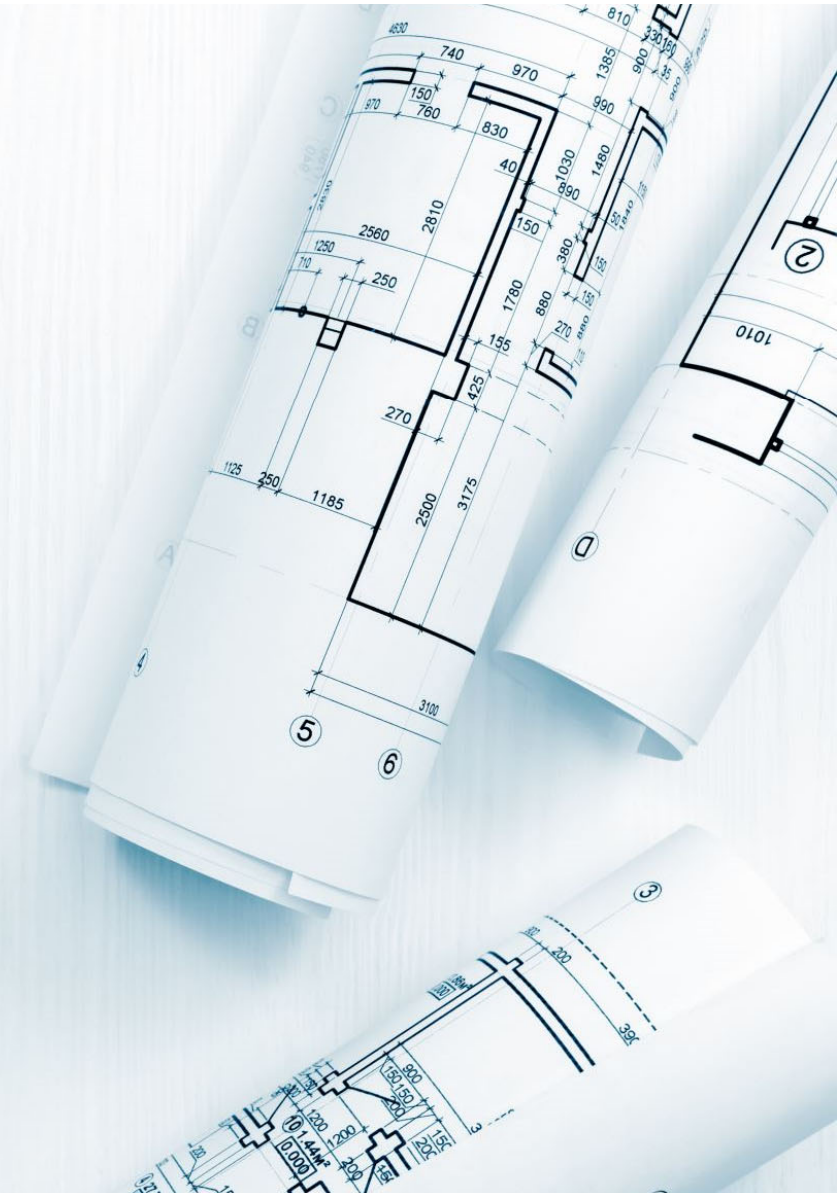
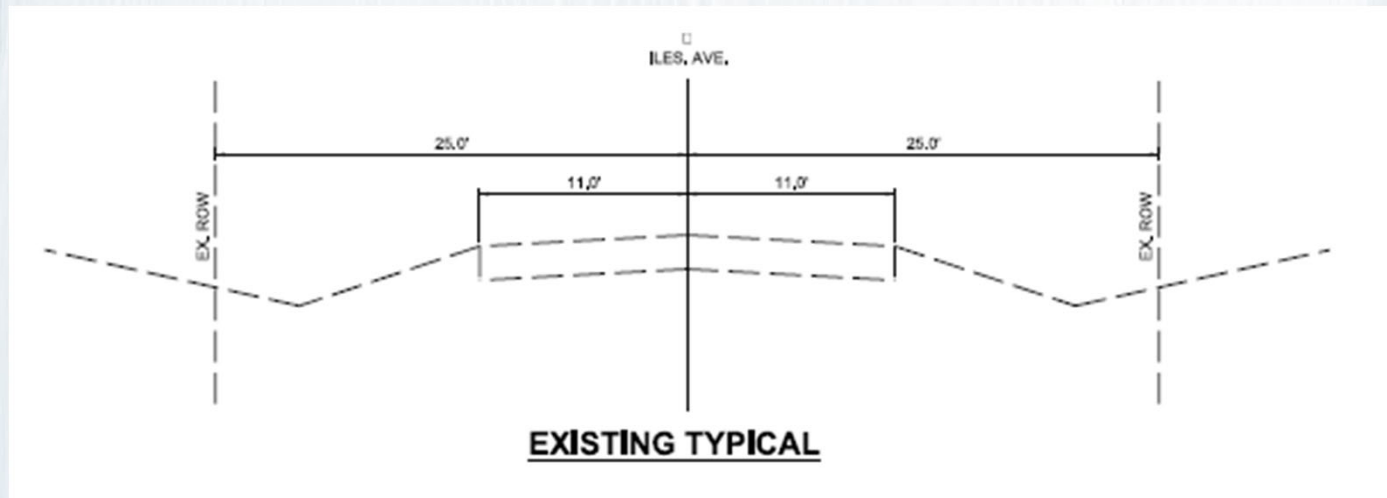


Iles Avenue Improvements Schematic Options - Discussion

Presented by Benton & Associates, Inc.
For the Village of Jerome, IL
November 3, 2022

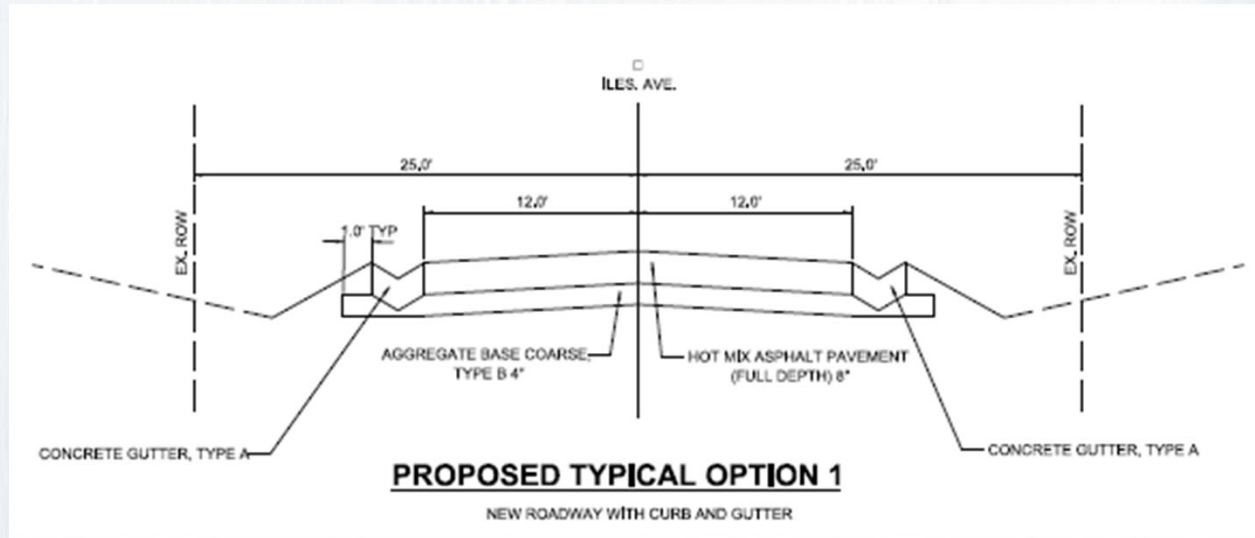


Iles Avenue Today



- Existing Conditions show:
 - 50' right of way (25' each side of centerline)
 - Roadway is two 11' wide lanes
 - Approx. 10% of project is within Capital Township and IDOT limits

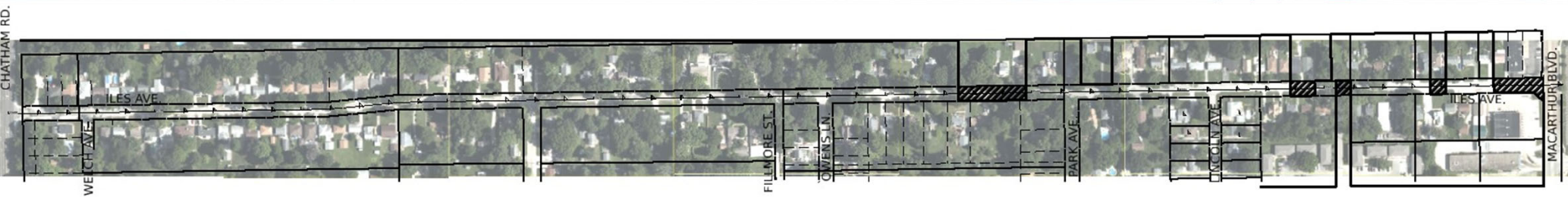
Proposed Option 1



- New Roadway Surface – Two 12' wide travel lanes, Valley Gutter
 - 4" thick aggregate base course
 - 8" thick hot mix asphalt pavement
 - Concrete gutter (valley gutter)

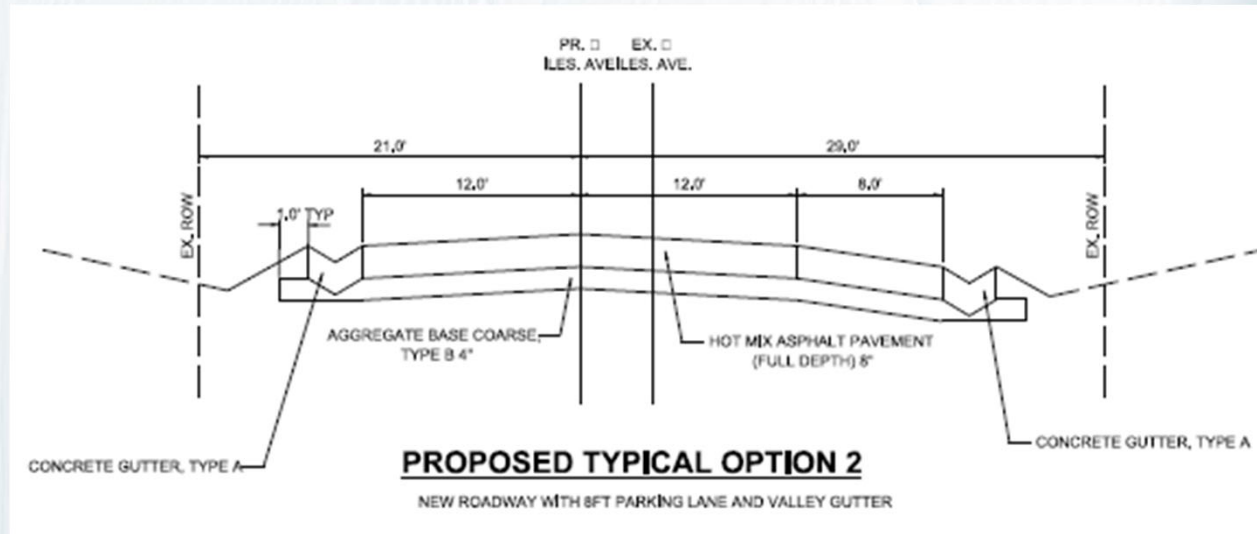
Proposed Option 1 - Costs

OPINION OF PROBABLE CONSTRUCTION COSTS (Construction Only)		OPINION OF PROBABLE ENGINEERING SERVICES COST (Design Only)		OPINION OF PROBABLE TOTAL PROJECT COST FOR IMPROVEMENTS (Design & Construction)		
ROADWAY IMPROVEMENT	WATER MAIN IMPROVEMENT	ROADWAY IMPROVEMENT	WATER MAIN IMPROVEMENT	ROADWAY IMPROVEMENT	WATER MAIN IMPROVEMENT	TOTAL ESTIMATED PROJECT COST
\$5,430,000.00	\$1,619,000.00	\$1,250,000.00	\$379,000.00	\$6,680,000.00	\$1,998,000.00	\$8,678,000.00



10% x \$6,680,000.00 of estimated roadway improvement costs road owned by others = \$668,000.00

Proposed Option 2



- New Roadway Surface, Valley Gutter with 8' Parking Lane
 - Will require a shift in proposed centerline to accommodate parking lane

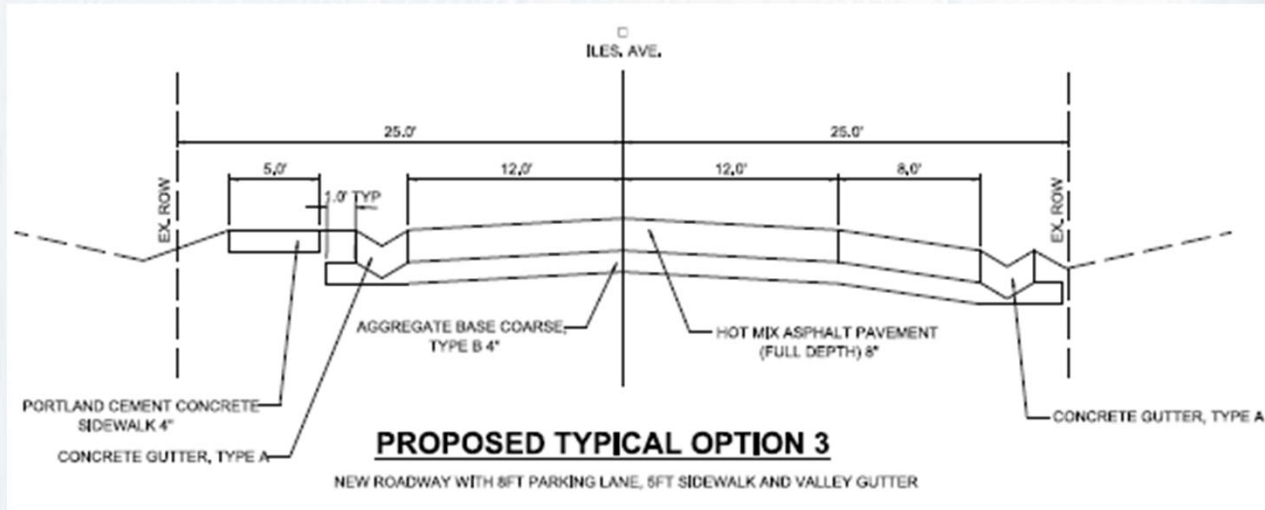
Proposed Option 2 - Costs

OPINION OF PROBABLE CONSTRUCTION COSTS (Construction Only)		OPINION OF PROBABLE ENGINEERING SERVICES COST (Design Only)		OPINION OF PROBABLE TOTAL PROJECT COST FOR IMPROVEMENTS (Design & Construction)		
ROADWAY IMPROVEMENT	WATER MAIN IMPROVEMENT	ROADWAY IMPROVEMENT	WATER MAIN IMPROVEMENT	ROADWAY IMPROVEMENT	WATER MAIN IMPROVEMENT	TOTAL ESTIMATED PROJECT COST
\$5,995,000.00	\$1,619,000.00	\$1,380,000.00	\$379,000.00	\$7,735,000.00	\$1,998,000.00	\$9,373,000.00



10% x \$7,735,000.00 of estimated roadway improvement costs on Capital Township road = \$773,500.00

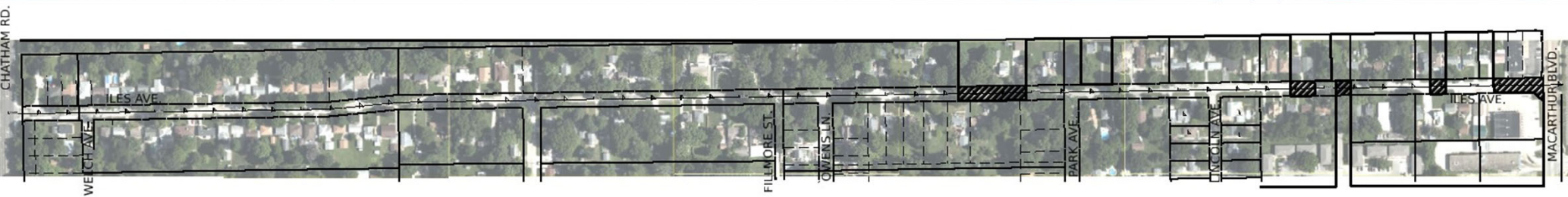
Proposed Option 3



- New Roadway Surface with 8' Parking Lane & 5' Sidewalk
 - No centerline alignment adjustment, both sides are being improved

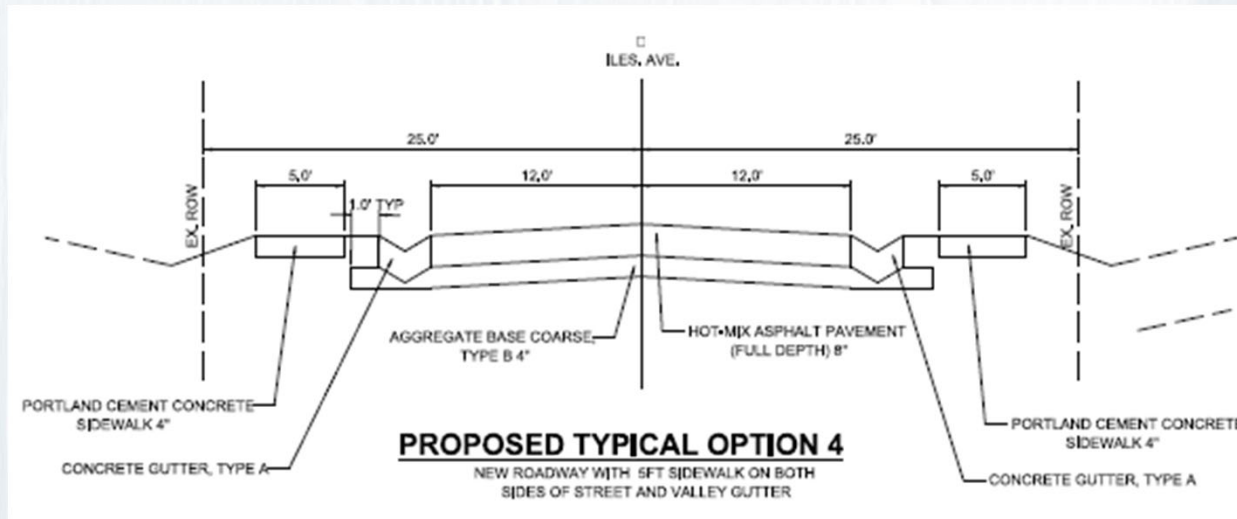
Proposed Option 3 - Costs

OPINION OF PROBABLE CONSTRUCTION COSTS (Construction Only)		OPINION OF PROBABLE ENGINEERING SERVICES COST (Design Only)		OPINION OF PROBABLE TOTAL PROJECT COST FOR IMPROVEMENTS (Design & Construction)		
ROADWAY IMPROVEMENT	WATER MAIN IMPROVEMENT	ROADWAY IMPROVEMENT	WATER MAIN IMPROVEMENT	ROADWAY IMPROVEMENT	WATER MAIN IMPROVEMENT	TOTAL ESTIMATED PROJECT COST
\$6,480,000.00	\$1,619,000.00	\$1,490,000.00	\$379,000.00	\$7,970,000.00	\$1,998,000.00	\$9,968,000.00



10% x \$7,970,000.00 of estimated roadway improvement costs for road owned by others = \$797,000.00

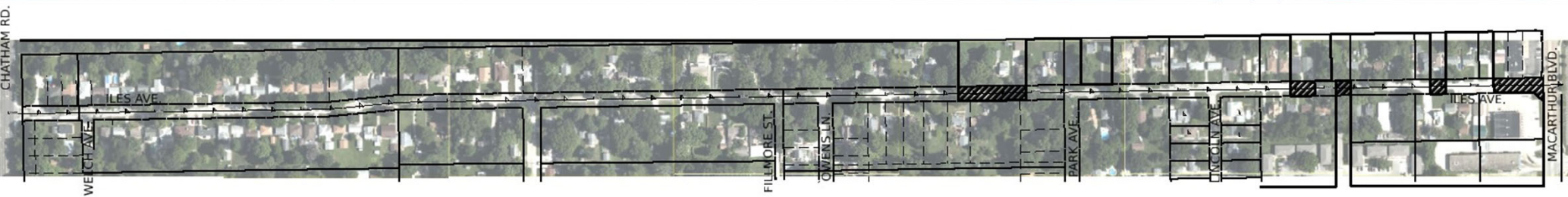
Proposed Option 4



- New Roadway Surface, Valley Gutter with 5' Sidewalk on both sides of road
 - No parking lane

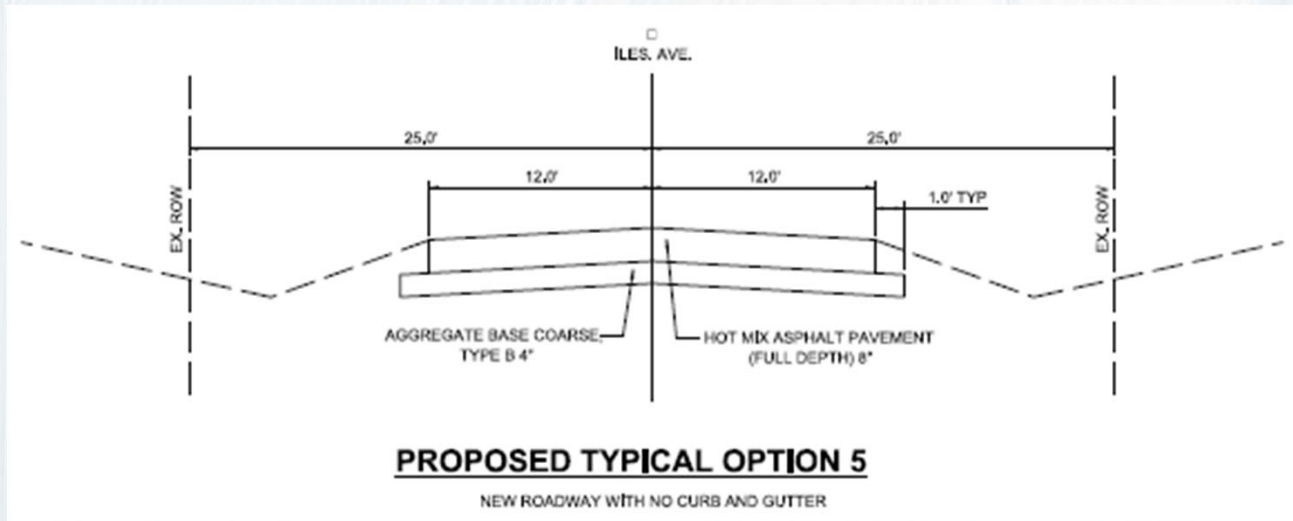
Proposed Option 4 - Costs

OPINION OF PROBABLE CONSTRUCTION COSTS (Construction Only)		OPINION OF PROBABLE ENGINEERING SERVICES COST (Design Only)		OPINION OF PROBABLE TOTAL PROJECT COST FOR IMPROVEMENTS (Design & Construction)		
ROADWAY IMPROVEMENT	WATER MAIN IMPROVEMENT	ROADWAY IMPROVEMENT	WATER MAIN IMPROVEMENT	ROADWAY IMPROVEMENT	WATER MAIN IMPROVEMENT	TOTAL ESTIMATED PROJECT COST
\$5,610,000.00	\$1,619,000.00	\$1,290,000.00	\$379,000.00	\$6,900,000.00	\$1,998,000.00	\$8,898,000.00



10% x \$6,900,000.00 of estimated roadway improvement costs for road owned by others = \$690,000.00

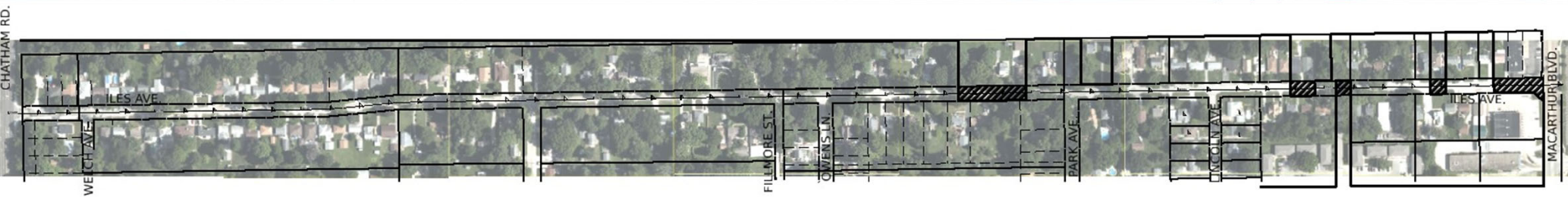
Proposed Option 5



- New Roadway Surface Only

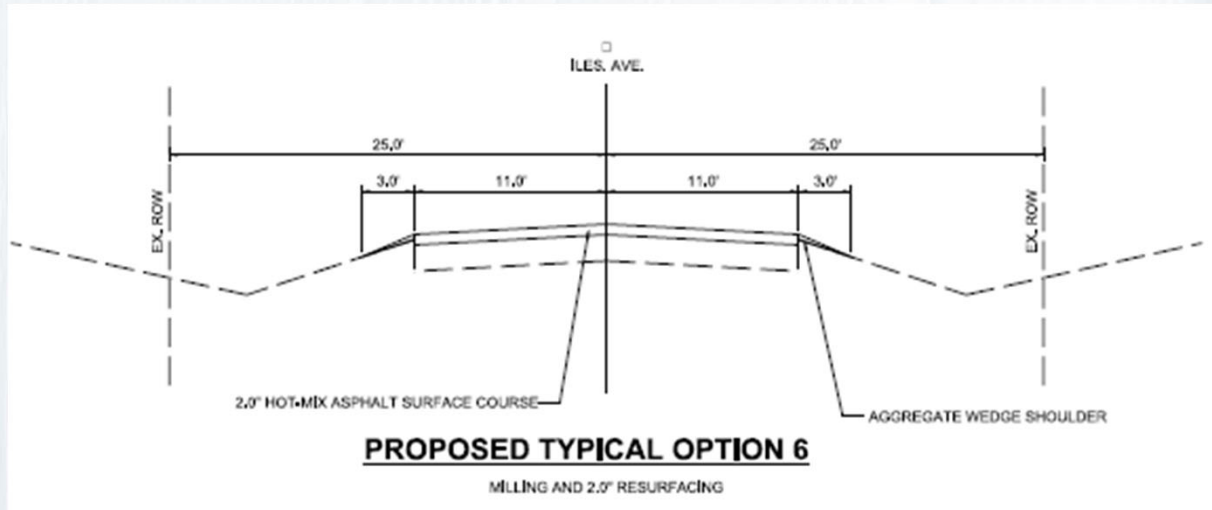
Proposed Option 5 - Costs

OPINION OF PROBABLE CONSTRUCTION COSTS (Construction Only)		OPINION OF PROBABLE ENGINEERING SERVICES COST (Design Only)		OPINION OF PROBABLE TOTAL PROJECT COST FOR IMPROVEMENTS (Design & Construction)		
ROADWAY IMPROVEMENT	WATER MAIN IMPROVEMENT	ROADWAY IMPROVEMENT	WATER MAIN IMPROVEMENT	ROADWAY IMPROVEMENT	WATER MAIN IMPROVEMENT	TOTAL ESTIMATED PROJECT COST
\$4,145,000.00	\$1,619,000.00	\$955,000.00	\$379,000.00	\$5,100,000.00	\$1,998,000.00	\$7,098,000.00



10% x \$5,100,000.00 of estimated roadway improvement costs for road owned by others = \$510,000.00

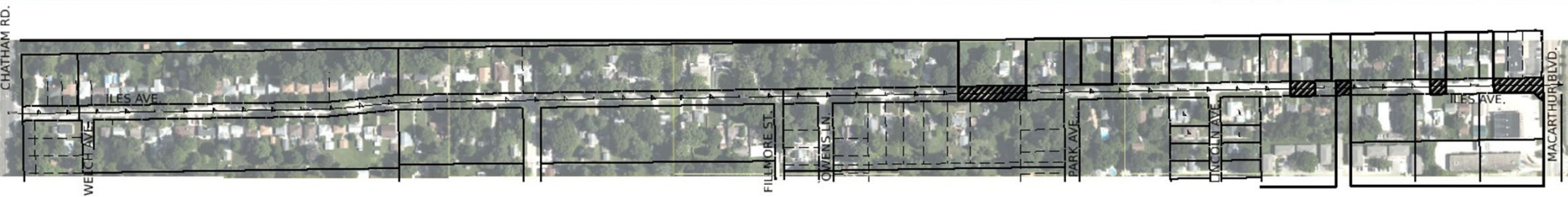
Proposed Option 6



- New 2" Thick Hot Mix Asphalt Road Surface
 - Mill off 2" of existing road surface
 - Replace with 2" of hot mix asphalt

Proposed Option 6 - Costs

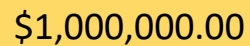
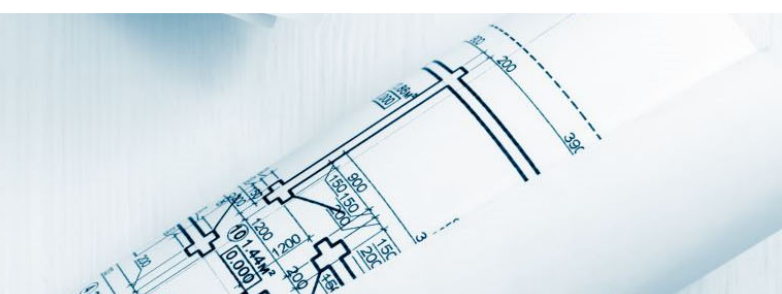
OPINION OF PROBABLE CONSTRUCTION COSTS (Construction Only)		OPINION OF PROBABLE ENGINEERING SERVICES COST (Design Only)		OPINION OF PROBABLE TOTAL PROJECT COST FOR IMPROVEMENTS (Design & Construction)		
ROADWAY IMPROVEMENT	WATER MAIN IMPROVEMENT	ROADWAY IMPROVEMENT	WATER MAIN IMPROVEMENT	ROADWAY IMPROVEMENT	WATER MAIN IMPROVEMENT	TOTAL ESTIMATED PROJECT COST
\$515,000.00	\$1,619,000.00	\$85,000.00	\$379,000.00	\$600,000.00	\$1,998,000.00	\$2,598,000.00



10% x \$600,000.00 of estimated roadway improvement costs for road owned by others = \$60,000.00

An architectural drawing featuring two overlapping floor plans. The primary plan shows a complex polygonal shape with numerous dimension lines and numerical values such as 740, 970, 830, 40, 150, 1780, 2560, 2810, 2500, 3175, 270, 425, 155, 880, 380, 1030, 990, 1480, 1385, 900, 810, 330, 150, 125, 710, 250, 1185, 250, 1125, and 4500. A secondary plan to the right includes a rectangular section labeled '2' and a dimension of 1010. The drawing is presented at an angle, giving it a three-dimensional appearance.

-
- MACARTHUR BLVD.
- ILES AVE.
- PARK AVE.
- LINCOLN AVE.



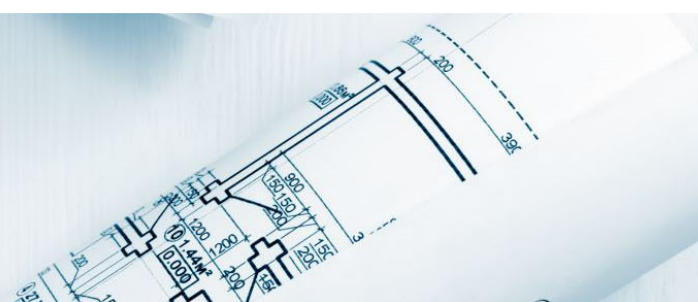
Alternatives for Consideration

- Full Pavement Removal and Reconstruction only, on both the west and east sides of the project for approx. 720' combined. (similar to Option 5, but split)



TOTAL ESTIMATED
PROJECT COST

\$1,000,000.00



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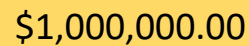
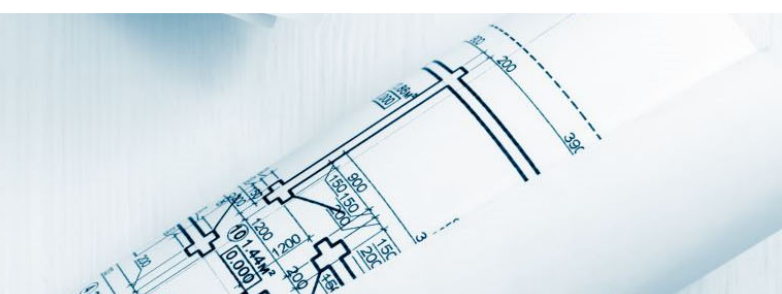
-
- PARK AVE.
- MACARTHUR BLVD.
- ILES AVE.



\$1,000,000.00

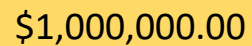
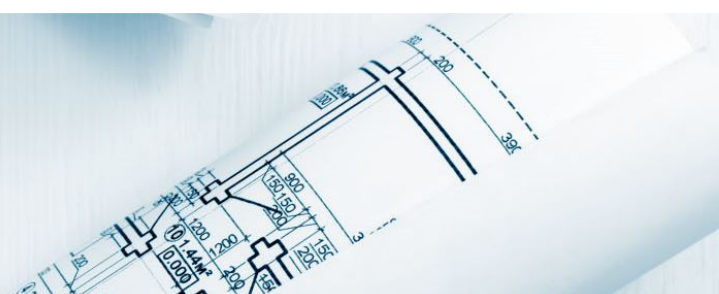
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**BENTON & ASSOCIATES INC**

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**BENTON & ASSOCIATES INC**

Architectural drawing showing a floor plan with various dimensions. The drawing is a technical sketch of a building layout, featuring walls, rooms, and structural elements. Dimensions are provided in millimeters (mm) and meters (m). Key dimensions include: 4500, 740, 970, 1385, 810, 330, 900, 25, 1480, 1030, 40, 830, 150, 760, 150, 2560, 2810, 1250, 110, 250, 1780, 380, 155, 880, 270, 155, 425, 270, 2500, 3175, 1185, 250, 1125, 1010, and 2. The drawing is a technical sketch of a building layout, featuring walls, rooms, and structural elements. Dimensions are provided in millimeters (mm) and meters (m). Key dimensions include: 4500, 740, 970, 1385, 810, 330, 900, 25, 1480, 1030, 40, 830, 150, 760, 150, 2560, 2810, 1250, 110, 250, 1780, 380, 155, 880, 270, 155, 425, 270, 2500, 3175, 1185, 250, 1125, 1010, and 2. The drawing is a technical sketch of a building layout, featuring walls, rooms, and structural elements. Dimensions are provided in millimeters (mm) and meters (m). Key dimensions include: 4500, 740, 970, 1385, 810, 330, 900, 25, 1480, 1030, 40, 830, 150, 760, 150, 2560, 2810, 1250, 110, 250, 1780, 380, 155, 880, 270, 155, 425, 270, 2500, 3175, 1185, 250, 1125, 1010, and 2.

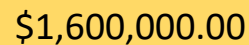
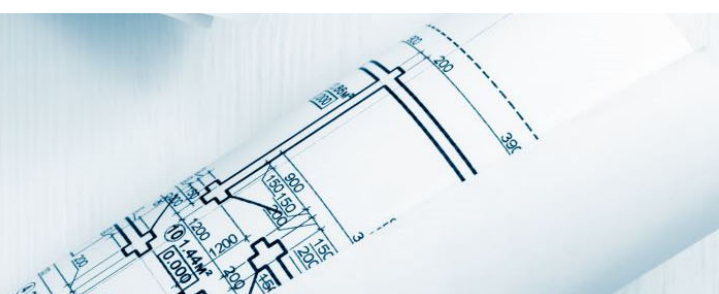
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\$1,000,000.00

An architectural drawing of a building footprint, showing various dimensions in millimeters. The drawing is a top-down view of a complex shape with multiple rooms and corridors. Key dimensions include: 740, 970, 1385, 810, 330, 990, 135, 1385, 990, 1030, 1480, 1030, 890, 380, 150, 1780, 880, 270, 155, 425, 3175, 2500, 1185, 250, 1125, 2560, 2810, 830, 150, 760, 970, 710, 1250, 250, 1010, and 270. The drawing is labeled with 'A' and 'B' at the top and 'D' at the bottom. A red line is drawn across the top of the drawing, and a blue line is drawn across the bottom. The drawing is a technical drawing of a building footprint, showing various dimensions in millimeters. The drawing is a top-down view of a complex shape with multiple rooms and corridors. Key dimensions include: 740, 970, 1385, 810, 330, 990, 135, 1385, 990, 1030, 1480, 1030, 890, 380, 150, 1780, 880, 270, 155, 425, 3175, 2500, 1185, 250, 1125, 2560, 2810, 830, 150, 760, 970, 710, 1250, 250, 1010, and 270. The drawing is labeled with 'A' and 'B' at the top and 'D' at the bottom.

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BENTON & ASSOCIATES INC

Open Discussion / Questions?



Thank You!

sballinger@bentonassociates.com
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