AUBURN RD **CORRIDOR PLAN**





WELCOME

CITY OF ROCHESTER HILLS

ALLAN SCHNECK, PE PAUL DAVIS, PE SARA ROEDIGER, AICP PAM VALENTIK KRISTEN KAPELANSKI, AICP



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BACKGROUND

IMPORTANCE

- STRENGTHEN OVERALL DISTRICT BRAND AS A UNIQUE DESTINATION
- > CALM TRAFFIC AND IMPROVE SAFETY
- CREATE A MORE WALKABLE ENVIRONMENT
- ENCOURAGE DEVELOPMENT OPPORTUNITES
- IMPROVE ACCESSIBILITY ALONG THE CORRIDOR







BACKGROUND LSL PLANNING STUDY

LSL Planning

A SAFEbuilt. Company

- PLAN WAS ADOPTED IN JANUARY, 2017
- PHYSICAL ASSESSMENT OF EXISTING CONDITIONS
- INVESTIGATE DESIGN OPPORTUNITIES
- DEFINE A DISTRICT CHARACTER VISION
- ASSESS MARKET GROWTH OPPORTUNITIES



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BACKGROUND OHM EPE STUDY



- FURTHER DEVELOP THE PROPOSED DESIGN CONCEPT
- ASSESS IMPACTS OF SEVERAL TECHNICAL ASPECTS
 - ACCESS MANAGEMENT
 - TRAFFIC CALMING
 - PARKING
 - SAFETY
 - AESTHETICS
 - UTILITIES
 - GEOMETRICS
- EVALUATE CONSTRUCTABILITY
- REFINE A PROJECT SCHEDULE AND COST





EARLY PRELIMINARY ENGINEERING

o IMPORTANCE

- IDENTIFY KEY ISSUES
- PREDICT COST & SCHEDULE
- RECOMMEND BEST DESIGN OPTION

o BENEFITS

- VET OUT MULTIPLE DESIGN OPTIONS
- RECOGNIZE AND ADDRESS CRITICAL ITEMS EARLY IN THE PROJECT





STAKEHOLDER ENGAGEMENT

PROPERTY OWNER MEETINGS

✓ GENERALLY WELL RECEIVED
✓ ADDRESSED CONCERNS AND IMPLEMENTED INTO DESIGN
✓ EXCITEMENT ABOUT ECONOMIC GROWTH POTENTIAL
✓ AWARE OF REAR ALLEY ACCESS TO PROPERTY



DESIGN IMPACTS



- DESIGN GEOMETRY TO PROMOTE SLOWER SPEEDS
- PROVIDE ALTERNATIVE ACCESS/PARKING FOR COMMERCIAL PROPERTIES
- INVESTIGATE THE BENEFITS OF MULTIPLE ROUNDABOUTS THROUGHOUT THE CORRIDOR
- ROAD OWNERSHIP & HOW THIS AFFECTS DESIGN

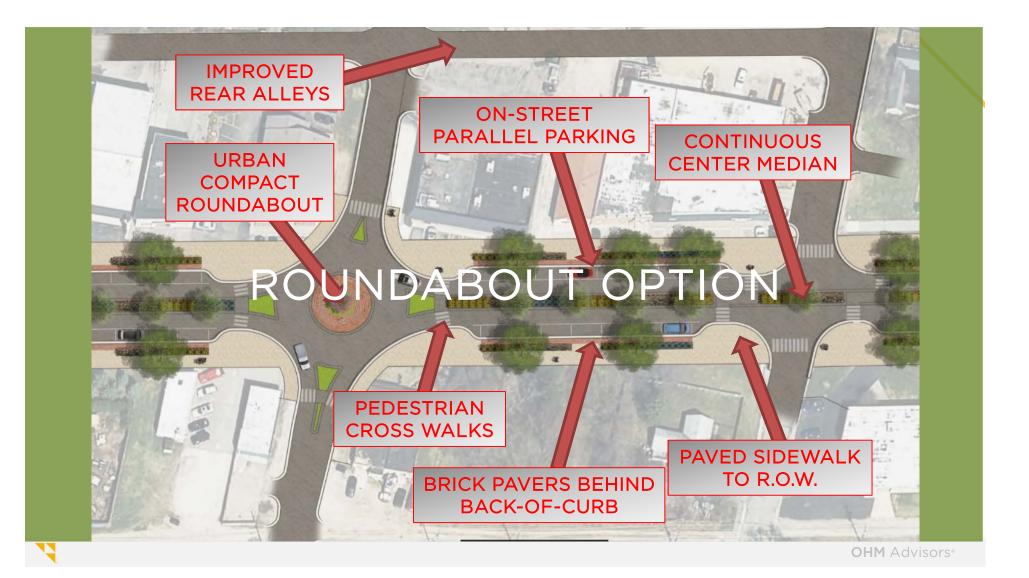


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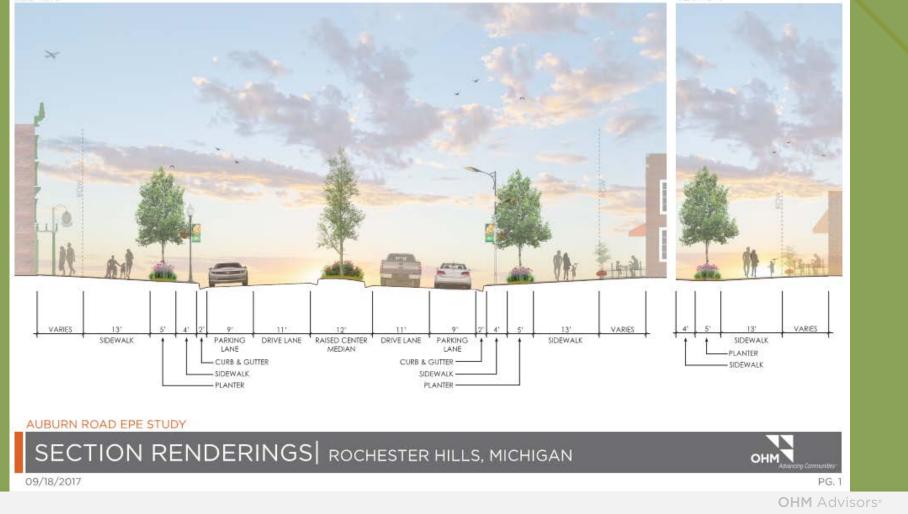












RECOMMENDED DESIGN OPTION

DESIGN FACTORS	LSL (Base)	ROUNDABOUT
AESTHETICS		\checkmark
ACCESS MANAGEMENT		\checkmark
CONSTRUCTABILITY	\checkmark	
FIRE & EMS RESPONSE	\checkmark	
PROJECT COST	\checkmark	
RIGHT-OF-WAY IMPACTS	\checkmark	
SAFETY – PEDESTRIAN		\checkmark
SAFETY - VEHICLES		\checkmark
TRAFFIC CALMING		\checkmark
RECOMMENDED OPTION		\checkmark

COSTS

BASE "LSL" OPTION

2,860,000.00	\$ SUBTOTAL FOR CATEGORY 1 - ROADWAY IMPROVEMENTS
180,000.00	\$ SUBTOTAL FOR CATEGORY 2 - SIDE STREET EXTENSIONS
250,000.00	\$ SUBTOTAL FOR CATEGORY 3 - ALLEY IMPROVEMENTS
1,200,000.00	\$ SUBTOTAL FOR CATEGORY 4 - LANDSCAPE SUMMARY
4,490,000.00	\$ SUBTOTAL ALL CATEGORIES
449,000.00	\$ CONTINGENCY (10%)
4,939,000.00	\$ TOTAL OPINION OF PROBABLE CONSTRUCTION COST
200,000.00	\$ FRANCHISE UTILITY RELOCATIONS
-	\$ ROW ACQUISITION
1,087,000.00	\$ DESIGN/CONSTRUCTION SERVICES (22%)
6,226,000.00	\$ TOTAL OPINION OF PROBABLE PROJECT COST
	VALUE ENGINEERING IDEAS:
(250,000.00)	\$ REDUCE CONCRETE SIDEWALK IN ROW
(100,000.00)	\$ REDUCE SCOPE OF STREETSCAPE
(150,000.00)	\$ SUBSTITUTE CONCRETE SIDEWALK FOR BRICK PAVERS
(500,000.00)	\$ TOTAL OPINION OF VALUE ENGINEERING ITEMS
	POTENTIAL OUTSIDE FUNDING:
(300,000.00)	\$ MDOT TURNBACK MONIES
(500,000.00)	\$ TRANSPORTATION ALTERNATIVE PROGRAM (TAP GRANT)
(200,000.00)	\$ SAFETY GRANT
(1,000,000.00)	\$ TOTAL OPINION OF OUTSIDE FUNDING
4,726,000.00	\$ POSSIBLE CITY COST

COSTS

ROUNDABOUT OPTION

3,010,000.00	\$ SUBTOTAL FOR CATEGORY 1 - ROADWAY IMPROVEMENTS
390,000.00	\$ SUBTOTAL FOR CATEGORY 2 - SIDE STREET EXTENSIONS
250,000.00	\$ SUBTOTAL FOR CATEGORY 3 - ALLEY IMPROVEMENTS
1,420,000.00	\$ SUBTOTAL FOR CATEGORY 4 - LANDSCAPE SUMMARY
5,070,000.00	\$ SUBTOTAL ALL CATEGORIES
507,000.00	\$ CONTINGENCY (10%)
5,577,000.00	\$ TOTAL OPINION OF PROBABLE CONSTRUCTION COST
200,000.00	\$ FRANCHISE UTILITY RELOCATIONS
20,000.00	\$ ROW ACQUISITION
1,227,000.00	\$ DESIGN/CONSTRUCTION SERVICES (22%)
7,024,000.00	\$ TOTAL OPINION OF PROBABLE PROJECT COST
	VALUE ENGINEERING IDEAS:
(250,000.00)	\$ REDUCE CONCRETE SIDEWALK IN ROW
(100,000.00)	\$ REDUCE SCOPE OF STREETSCAPE
(150,000.00)	\$ SUBSTITUTE CONCRETE SIDEWALK FOR BRICK PAVERS
(500,000.00)	\$ TOTAL OPINION OF VALUE ENGINEERING ITEMS
	POTENTIAL OUTSIDE FUNDING:
(300,000.00)	\$ MDOT TURNBACK MONIES
(500,000.00)	\$ TRANSPORTATION ALTERNATIVE PROGRAM (TAP GRANT)
(200,000.00	\$ SAFETY GRANT
(1,000,000.00	\$ TOTAL OPINION OF OUTSIDE FUNDING
5,524,000.00	\$ POSSIBLE CITY COST



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OWNERSHIP (MDOT vs CITY)

PRO	CON		
INCREASED LEVEL OF SERVICE TO THE COMMUNITY	GREATER DEMAND ON CITY STAFF		
MDOT PERMITTING - NOT REQUIRED	INCREASED RESPONSIBILITY FOR MAINTENANCE		
MDOT APPROVAL OF DESIGN - NOT REQUIRED	INCREASED LIABILITY		
INCREASED ACT 51 REVENUE	INCREASED TRAFFIC SIGNAL MAINTENANCE CONTRACT WITH RCOC		
INCREASED METRO ACT FUNDS	INCREASED PERMITTING REQUIRED FROM DPS		
ABILITY TO CONTROL A COMPLETE STREET CONFIGURATION (BIKE LANES, PATHWAY, ETC.)	COST & TIME TO FORMALLY TRANSFER MDOT OWNED ROW AND EASEMENTS		
AUTHORITY TO REDUCE THE SPEED LIMIT IN ORDER TO SUPPORT DESIGN	COST & TIME TO FORMALLY TRANSFER MDOT STORM SEWERS & STRUCTURES TO CITY		

CMDOT

ROCHESTER

MICHIGA

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FUNDING

POTENTIAL SOURCES OF FUNDING

OUTSIDE SOURCES:

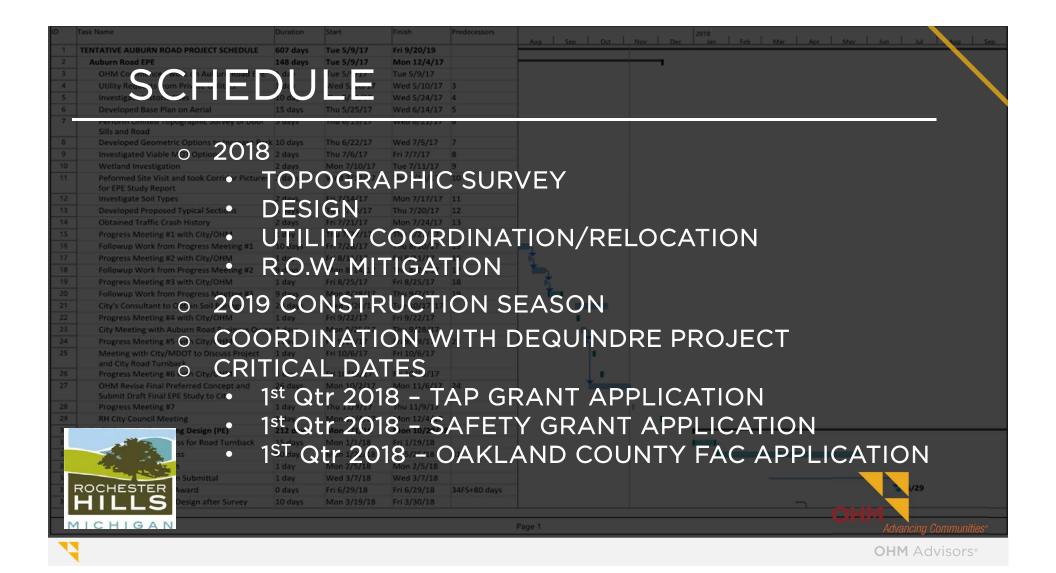
- > MDOT TURNBACK MONIES
- > TRANSPORTATION ALTERNATVIE PROGRAM (TAP GRANT)
- > SAFETY GRANT

INTERNAL SOURCES:

- MAJOR ROADS (ACT 51 / METRO ACT)
- LOCAL ROADS
- > TREE FUND
- SAFETY PATH FUND







NEXT STEPS

- PROCEED WITH PROJECT APPROVE DESIGN CONTRACT?
- LSL OR ROUNDABOUT OPTION PREFERRED?
- JANUARY DECISION ON MDOT TURNBACK





QUESTIONS





