

City of Lathrup Village

27400 Southfield Road
Lathrup Village, Michigan 48076
248.557.2600

www.lathrupvillage.org

Memorandum

To: City Council
CC: Pam Bratschi, Interim City Administrator; Scott McKee, Police Chief/Acting Interim City Administrator
From: Susie Stec, Director – Community & Economic Development
Date: November 14, 2023
RE: 11 Mile Resurfacing

As has been previously discussed, the Road Commission for Oakland County (RCOC) will be resurfacing Southfield Road from 11 Mile to 12 Mile starting in Spring 2024. The work will generally consist of milling the existing asphalt surface and overlaying the milled surface with new asphalt. This will also include any side street returns that were not resurfaced by the City. One of the more critical repairs required is the reconstruction of the deteriorated concrete pavement in the Southfield Road / 11 Mile intersection.

The RCOC will be reconstructing the Southfield Road / 11 Mile intersection in two (2) stages. This allows them to reduce the construction timeframe, increase safety for the workers, and reduce the cost of traffic control. Stage 1 plans to entirely close WB and EB 11 Mile on the west side of Southfield Road. This will enable road contractors to reconstruct the westerly half of Southfield Road. During Stage 1, the off-ramps from WB I-696 and EB I-696 to Southfield Road will be closed and detour routes provided.

Police Chief McKee, Scott Ringler from Giffels Webster, and myself met with the RCOC to inquire about the city piggybacking on the project to resurface WB and EB 11 Mile from Southfield Road to the west on-ramp for WB 11 Mile and off-Ramp for EB 11 Mile. The RCOC is amenable and agrees this would be the opportune time to resurface this section of WB and EB 11 Mile. Resurfacing would be a 2-inch mill and overlay and replacing the pavement markings. No concrete work items would be included.

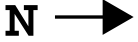
By piggybacking the RCOC project, the city will realize significant savings. RCOC has agreed to design and prepare specifications, bid the project with the Southfield Road work, and provide inspection and contract administration at no cost to the City. Additionally, the city will not have to incur traffic control and permitting costs, nor would WB and EB 11 Mile at Southfield Road need to be closed again. As a reference, when the City resurfaced 11 Mile from the Southfield off-ramp to Southfield road in 2020, the cost for traffic control alone was \$55,000. Finally, by performing this work now, the future resurfacing of WB 11 Mile (on-ramp to Evergreen) and EB 11 Mile (Santa Barbara to the off-ramp), will be more cost effective due to reduced traffic control requirements and a much simpler resurfacing project.

The estimated cost for the resurfacing is \$230,00 which includes a 15% construction contingency. The project will be bid over the winter and as-bid costs will be provided to Council at that time.

Please note that EB 11 Mile from Southfield Road to the east I-696 on-ramp is scheduled for resurfacing in 2025 and includes \$213,000 in Federal funding.

Recommended Motion: To authorize city staff to work with RCOC to prepare specifications for the resurfacing of WB and EB 11 Mile from Southfield Road to the west on-ramp for WB 11 Mile and off-Ramp for EB 11 Mile, bid the project with the Southfield Road work, and to fund paving of this project with the local/major road funds. Upon receipt of bids, a recommendation will be prepared and submitted to City Council for consideration.

THE EB 696 OFF-RAMP TO EB 11 MILE / SOUTHFIELD ROAD WILL BE CLOSED

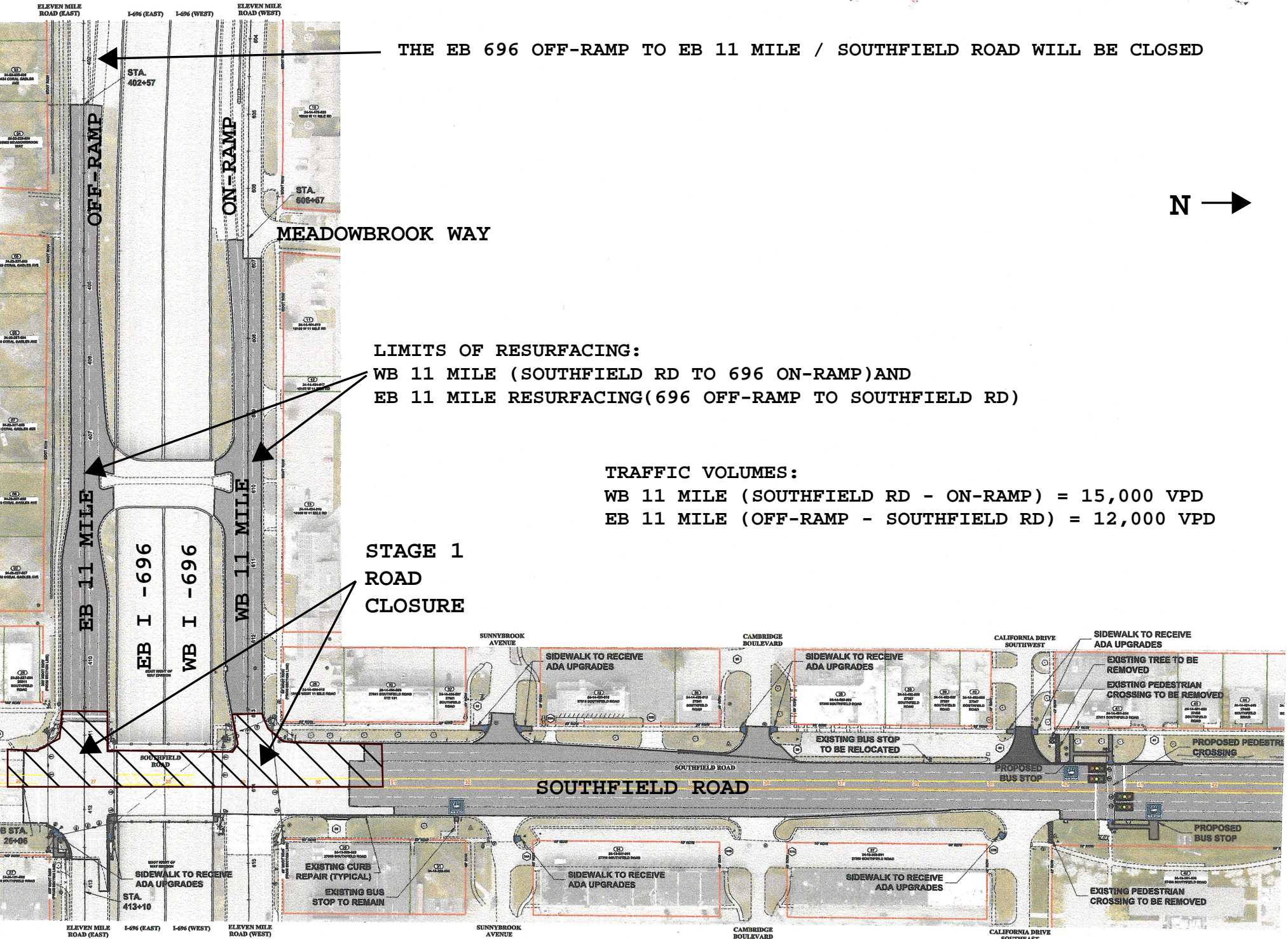


MEADOWBROOK WAY

LIMITS OF RESURFACING:
WB 11 MILE (SOUTHFIELD RD TO 696 ON-RAMP) AND
EB 11 MILE RESURFACING (696 OFF-RAMP TO SOUTHFIELD RD)

TRAFFIC VOLUMES:
WB 11 MILE (SOUTHFIELD RD - ON-RAMP) = 15,000 VPD
EB 11 MILE (OFF-RAMP - SOUTHFIELD RD) = 12,000 VPD

STAGE 1
ROAD
CLOSURE



THE WB 696 OFF-RAMP TO WB 11 MILE / SOUTHFIELD ROAD WILL BE CLOSED



EB and WB 11 Mile Resurfacing (Southfield Road to West Ramps)

GW NO.: 15850.42 PROMO
DATE: November 8, 2023

PRELIMINARY CONSTRUCTION COST ESTIMATE

This preliminary cost estimate is for the **resurfacing** of EB and WB 11 Mile from Southfield Road to the westerly on-ramp and off-ramp to I-696. This work would be performed in conjunction with the RCOC's reconstruction of Southfield Road at 11 Mile and utilize their traffic control as 11 Mile will be completely closed to traffic. Resurfacing to include 2" of HMA cold milling and a 2" HMA overlay with new pavement markings. Unit prices used are based on the RCOC's opinion of costs (11/2/2023). Please note this **does not** include any concrete curb replacement.

ITEM WORK ACTIVITY	QUANTITY	UNIT	UNIT PRICE	TOTAL	COMMENTS
IMPROVEMENTS					
Mobilization, Max 10%	1	LS	\$18,000.00	\$18,000.00	
Public Utility Structure Cover Adj, Case 1	6	EA	\$700.00	\$4,200.00	Not sure this is needed
Pavt Joint and Crack Repr, Det 7	145	LFT	\$15.00	\$2,175.00	Estimated at 15% of joints
Pavt Joint and Crack Repr, Det 8	450	LFT	\$15.00	\$6,750.00	Estimated at 5% of joints
Handpatching	30	TON	\$250.00	\$7,500.00	For Joint and Crack Repr
Cold Milling Pavt	8050	SFT	\$4.00	\$32,200.00	
HMA, 5EMH	935	TON	\$120.00	\$112,200.00	2" thick plus 5%
HMA Approach	45	TON	\$200.00	\$9,000.00	at Crossovers
Pavt, Cleaning	1	LS	\$1,000.00	\$1,000.00	Estimated
Pavt Mrkg, Ovly Cold Plastic, 6 Inch, Xwalk	160	LF	\$3.00	\$480.00	
Pavt Mrkg, Ovly Cold Plastic, Dir Symbols	4	EA	\$225.00	\$900.00	
Pavt Mrkg, Sprayable Thermo, 4", Yellow, RCOC	900	LF	\$0.50	\$450.00	
Pavt Mrkg, Sprayable Thermo, 4", White, RCOC	600	LF	\$0.40	\$240.00	
Minor Traf Devices	1	LS	\$5,000.00	\$5,000.00	Used 5% of RCOC lump sum

SUBTOTAL CONSTRUCTION COST \$200,095

SUBTOTAL CONSTRUCTION COST		\$200,095
CONSTRUCTION CONTINGENCY	15%	\$30,014
SUBTOTAL ENGINEERING, INSPECTION, TESTING	0%	\$0
TOTAL ESTIMATED COST		\$230,109

Specific work items that ARE NOT included in this estimate include:

- Concrete curb and gutter replacement
- Engineering fees (the RCOC will perform design and inspection at no cost to the City)

It should be pointed out that since we have no control over the Contractor's method of determining prices, competitive bidding or market conditions, our opinion of the probable construction cost as provided for herein is made on the basis of experience and represents our best judgment as design professionals. We cannot guarantee that the final construction cost will not vary from this estimate.

Respectfully,
 GIFFELS WEBSTER

Estimate Prepared By: Scott A. Ringler, PE
 Date: November 8, 2023

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