

# City Council Special Meeting

Monday, June 12, 2023 – 5:30 PM

27400 Southfield Road, Lathrup Village, Michigan 48076

In Council Chambers

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1. **Call to Order** by Mayor Garrett
2. **Roll Call**
3. **Pledge of Allegiance**
4. **Approval of Agenda**
5. **Public Comments for Items on the Agenda** (Speakers are limited to 3 minutes)
6. **Action Requests - For Consideration / Approval**
  - A. Accept the Resignation of the City Administrator
  - B. Resurfacing Glenwood
7. **Public Comment**
8. **Mayor and Council Comments**
9. **Adjourn**

## *Glenwood Water Main Trench*

To: Susan Montenegro, City Administrator

Date: June 9<sup>th</sup>, 2023

Cc: Susie Stec, CED / DDA Director

From: Scott A. Ringler, PE  
Partner, Giffels Webster

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Susan,

The City contracted with Sunde LLC to install approximately 1,451 lft of 8” water main on Glenwood (Santa Barbara to Sunset). As of June 4<sup>th</sup>, the WM installation and service reinstatements are complete on Glenwood.

The City contracted with Allied Construction for the 2023 Road Resurfacing project which included the repair of both the Glenwood and San Diego WM trenches. Subsequently, the Glenwood WM trench repair is tentatively scheduled for the week of June 26<sup>th</sup>.

The 2023 Road Resurfacing project has been very successful to date and very few pavement repairs have been required after milling the road in which the contract and project budget contains “as-directed” work items to repair if needed. We don’t have an exact dollar amount at this point since Group 3 streets are still under construction and the 2022 Paving Project is yet to be closed-out. It is our opinion that approximately \$100,000 to \$300,000 will be remaining in the 2020 paving bond issue.

Based on the above, we have been in communication with Allied Construction and City staff to discuss the potential to resurface Glenwood concurrently with the WM trench repairs. If the City were to approve Allied to resurface the road with a 2-inch mill and overlay (no driveways, culverts, ditching, and very little restoration), The city would save on the future cost of cold milling the water main trench and placing 2” of asphalt over the water main trench.

Funding: Glenwood (Santa Barbara to Bloomfield) is currently in the “eligible list” of roads under the 2020 paving bond issue. The section of Glenwood from Bloomfield to Sunset is not included.

Cost Savings: Based on unit prices quoted in the 2023 Road Resurfacing Contract, we estimate the following cost savings which are broken down between road sections for budgeting and funding (bond issue vs local / major roads).

Glenwood (Santa Barbara to Bloomfield) – Paving Bond Issue Funds

Handpatching, Patch (2 inch) = 37 ton x \$195.00 = \$7,215  
 Cold Milling, HMA Surface = 320 syd x \$3.80 = \$1,216  
 \$8,431

HMA, 5E1 (2 inch) = 37 ton x \$118.00 = \$4,366

**Estimated cost savings = (\$8,431 - \$4,366) = \$4,065**

Estimated cost to resurface Glenwood (Santa Barbara to Bloomfield) = 575' x \$70 / 1ft = \$40,250

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Glenwood (Bloomfield to Sunset) – Local / Major Road Funds

Handpatching, Patch (2 inch) = 51 ton x \$195.00 = \$9,945  
 Cold Milling, HMA Surface = 444 syd x \$3.80 = \$1,687  
 \$11,632

HMA, 5E1 (2 inch) = 51 ton x \$118.00 = \$6,018

**Estimated cost savings = (\$11,632 - \$6,018) = \$5,614**

Estimated cost to resurface Glenwood (Santa Barbara to Bloomfield) = 800' x \$70 / 1ft = \$56,000

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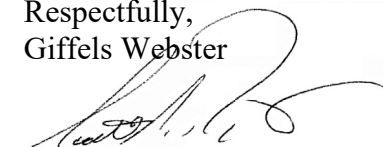
Total estimated cost to the Paving Bond Issue = \$40,250  
 Total estimated cost to the Local / Major Road Fund = \$56,000

I have attached the preliminary construction cost estimate used to calculate the estimated cost per lineal foot of road for a 2 inch mill and overlay.

If the City wishes to move forward, Allied will need to have approval by Wednesday, June 14<sup>th</sup>, 2023, to secure and schedule the mill and their paving crews.

Please let me know if you have any questions or need additional information.

Respectfully,  
 Giffels Webster

  
 Scott A. Ringler, PE  
 Partner



Item B.

REPAIR METHOD 1D  
WITH NO DITCHING,  
CULVERTS, DRAINAGE,  
ETC

**Glenwood and San Diego Road Resurfacing \_ WM Trench**

GW NO.: Promotional  
DATE: June 8, 2023

**PRELIMINARY CONSTRUCTION COST ESTIMATE**

Assume 1 mile of roads at 20' wide. Includes cold milling 2", patching, and placing 2" of new asphalt and ADA ramps

ITEM	WORK ACTIVITY	QUANTITY	UNIT	UNIT PRICE	TOTAL	COMMENTS
<b>DEMOLITION</b>						
	Sidewalk, Conc, Rem	60	SY	\$18.00	\$1,080.00	Estimate 10 ea x 50 sft
	Rem HMA driveways	0	SY	\$13.00	\$0.00	
	Rem concrete driveways	0	SY	\$17.00	\$0.00	
	Cold mill HMA surf. (2"-4")	11700	SY	\$3.80	\$44,460.00	5280 ft x 20' wide
	Cold mill HMA surf. (4"-6")		SY	\$5.00		
	<b>SUBTOTAL - DEMOLITION</b>				<b>\$45,540</b>	
<b>PAVEMENT CONDITIONING</b>						
	HMA Surf, Rem, Patch	220	SY	\$18.00	\$3,960.00	Estimate 2% of pavt area
	<b>SUBTOTAL - PAVEMENT CONDITIONING</b>				<b>\$3,960</b>	
<b>EARTHWORK</b>						
	Earth excavation		CY	\$32.00	\$0.00	
	Subgrade undercutting Type II	80	CY	\$40.00	\$3,200.00	estimate 2% of road x 12" deep
	Stabilizing filter fabric (geoblanket)		SY	\$2.50	\$0.00	
	Machine grading		STA	\$600.00	\$0.00	
	<b>SUBTOTAL - EARTHWORK</b>				<b>\$3,200</b>	
<b>SOIL EROSION SEDIMENT CONTROL</b>						
	Inlet/CB filter	0	EA	\$125.00	\$0.00	
	<b>SUBTOTAL - EROSION CONTROL</b>				<b>\$0</b>	
<b>STRUCTURE ADJUSTMENT (WATER, STM, SANITARY)</b>						
	Adjust san structure cover, case I	5	EA	\$600.00	\$3,000.00	estimate 5 per mile
	<b>SUBTOTAL - SANITARY SEWER</b>				<b>\$3,000</b>	
<b>CURB AND SIDEWALKS</b>						
	6" Sidewalk ramp	500	SF	\$17.50	\$8,750.00	10 ea x 50 sft
	4" Conc. sidewalk	500	SF	\$8.25	\$4,125.00	10 ea x 50 sft
	ADA Detectable Warnings	50	FT	\$67.00	\$3,350.00	10 ea x 5 ft
	<b>SUBTOTAL - CURBS AND SIDEWALKS</b>				<b>\$16,225</b>	
<b>HOT MIX ASPHALT PAVEMENT</b>						
	HMA, 3C (leveling)		TN	\$106.00	\$0.00	
	HMA, 5E1	1355	TN	\$118.00	\$159,890.00	2" thick + 5%
	HMA, 36A (driveways, approaches)	0	TN	\$225.00	\$0.00	
	Handpatching, Patch	50	TN	\$195.00	\$9,750.00	Budget
	<b>SUBTOTAL - HOT MIX ASPHALT</b>				<b>\$169,640</b>	
<b>CONCRETE PAVEMENTS</b>						
	6" nonreinf Conc. driveway	0	SY	\$50.00	\$0.00	
	<b>SUBTOTAL - CONCRETE PAVEMENT</b>				<b>\$0</b>	
<b>TRAFFIC CONTROL AND STRIPING</b>						
	Sign, Type _, temp	50	SFT	\$5.00	\$250.00	Budget
	Drum barrel, Lighted	50	EA	\$25.00	\$1,250.00	1 per 100'
	Barricade, type III, Lighted	10	EA	\$150.00	\$1,500.00	2 per block, estimate 10
	Arrow Board, Lighted	0	EA	\$1,000.00	\$0.00	
	<b>SUBTOTAL TRAFFIC CONTROL AND STRIPING</b>				<b>\$3,000</b>	

ITEM WORK ACTIVITY	QUANTITY	UNIT	UNIT PRICE	TOTAL	COMMENTS
<b>LANDSCAPING</b>					
Landscape Restoration	944	SY	\$19.85	\$18,738.40	1' each side of road
Watering, Sod or Seed	16	Units	\$54.00	\$864.00	No repairs needed
Mulch Blanket	0	SY	\$4.00	\$0.00	No repairs needed
<b>SUBTOTAL - LANDSCAPING</b>				<b>\$19,602</b>	
<b>MOBILIZATION AND MINOR TRAFFIC CONTROL</b>					
Mobilization, Max 3%	1	LS	\$7,500	\$7,500	
Minor Traffic Control Devices, Max 2%	1	LS	\$5,000	\$5,000	
<b>SUBTOTAL - MOBILIZATION AND MINOR TRAFFIC CONTROL</b>				<b>\$12,500</b>	
<b>SUBTOTAL CONSTRUCTION COST</b>				<b>\$276,667</b>	
<b>SUBTOTAL CONSTRUCTION COST</b>				<b>\$276,667</b>	
<b>CONSTRUCTION CONTINGENCY</b>			<b>15%</b>	<b>\$41,500</b>	
<b>SUBTOTAL ENGINEERING, BIDDING, INSPECTION</b>			<b>12%</b>	<b>\$38,180</b>	
<b>TOTAL ESTIMATED COST</b>				<b>\$356,348</b>	
<b>Cost per lft = \$356,000 / 5,280 = \$67.42 / lft = use \$70 / lft</b>					

Specific work items that ARE NOT included in this estimate include:  
 DRIVEWAYS, CULVERTS, DRAINAGE, GRADING, AGGREGATE BASES, DRAINAGE STRUCTURES, UNDERDRAINS,

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 ENGINEERS, INC.

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

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