



**CITY OF NOVI CITY COUNCIL  
MARCH 10, 2025**

**SUBJECT:** Consideration of approval of proceeding with one of two estimated preventative maintenance options for Ajax Paving Industries, Inc. on Beck Road, 11 Mile Road to Grand River Avenue.

**SUBMITTING DEPARTMENT:** Department of Public Works, Engineering Division

**KEY HIGHLIGHTS:**

- Option 1 – micro-mill and ultra-thin pave new asphalt on the through lanes only of Beck Road from 11 Mile Road to Grand River Avenue
- Option 2 – micro-mill and ultra-thin pave new asphalt for the drive lanes and deceleration lanes of Beck Road from 11 Mile Road to Grand River Avenue
- Additional ~\$40K to do center left turn lane

	<b>FY 2024/25</b>
<b>EXPENDITURE REQUIRED – Option 1</b>	<b>\$ 164,081.72</b>
<b>EXPENDITURE REQUIRED – Option 2</b>	<b>\$ 224,575.51</b>
<b>BUDGET</b>	
<b>Major Street Fund 202-449.20-975.226</b>	<b>\$ 265,000.00</b>
<b>APPROPRIATION REQUIRED</b>	<b>\$ 0</b>
<b>FUND BALANCE IMPACT</b>	<b>\$ 0</b>
Budget includes the current estimated total project costs for construction (construction engineering, crew days, material testing, contingency, etc.), the out-the-door estimated budget is 265K for the most expensive cost option	

**BACKGROUND INFORMATION:**

In April of 2023, the City Council approved a contract (2023 Capital Preventative Maintenance Program) with Ajax Paving Industries, Inc. to mill and pave streets, mainly

in the Island Lake of Novi development. Ajax performed very well in this endeavor, on time and on budget.

Immediately following the bid program completion, staff recognized a serious need to improve the current surface condition of Beck Road, from Grand River Avenue down to 9 Mile Road. Staff recommended a simple Pavement Preservation Overlay (PPO) to extend the usable surface life of the roadway until it came to fruition.

The focus of the PPO was to be placed on the two segments of Beck Road between 9 Mile Road and 11 Mile Road since the 11 Mile Road to Grand River Avenue segment was programmed for reconstruction in the 2024/2025 fiscal year. The 11 Mile to Grand River segment is now (pending Environmental Assessment) not scheduled to be reconstructed until 2026. The current condition of this segment needs immediate action and is outside of the capabilities of our internal DPW methods. Therefore, at City Council's request we are recommending a micro-mill (¾") of the existing asphalt surface and placing an ultra-thin asphalt overlay.

Staff assembled estimates for two options with 10% contingencies (attached). Both options contain the same milling and paving cross section, but one is for just the north and south through lanes and the other is for the entire width. Neither option includes the center left turn lane which would add another ~\$40K to the project. Ajax Paving Industries, Inc. has expressed interest in performing the work with minimal increases in their already approved line-item pricing. Staff are waiting on final numbers for both options.

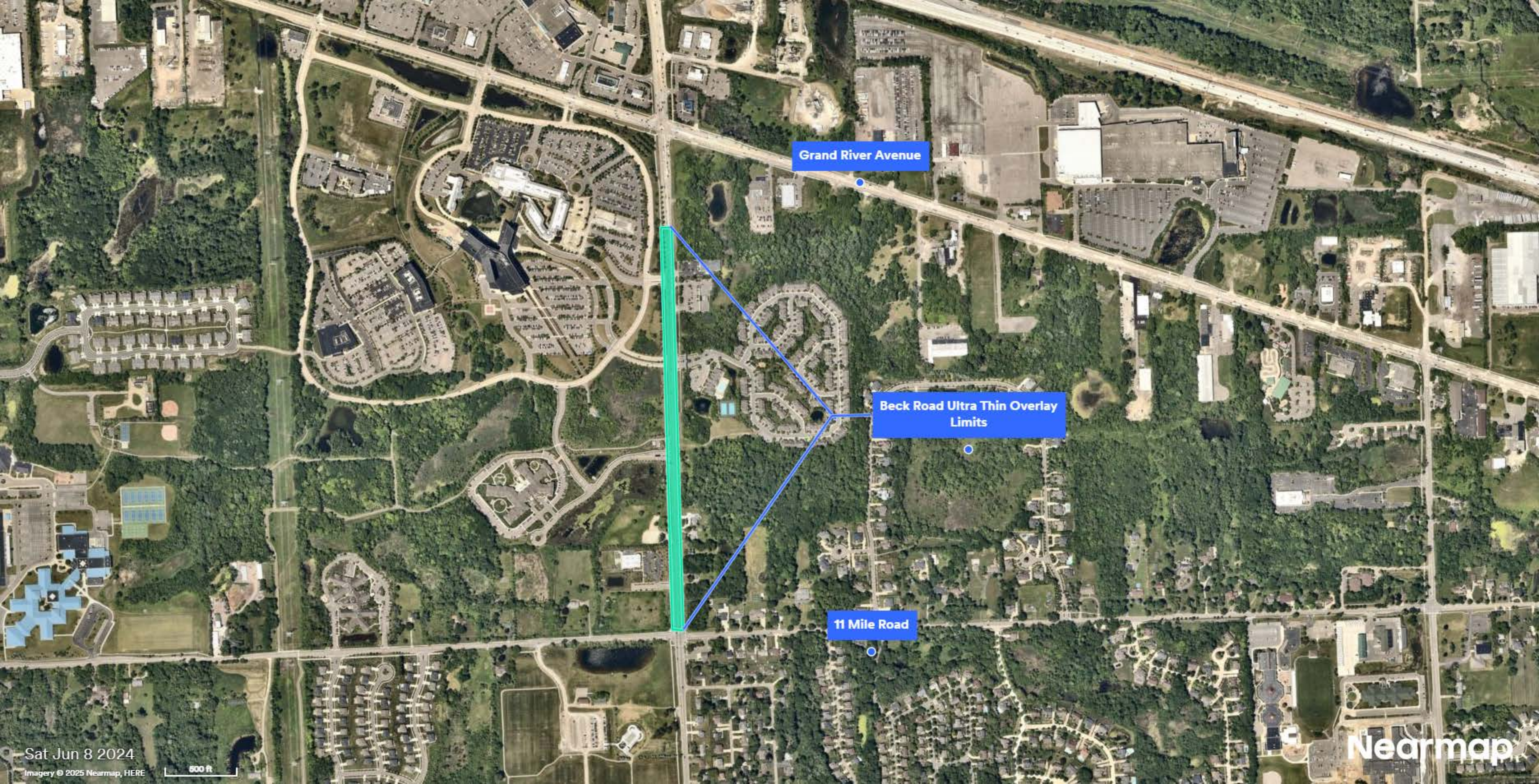
City engineering consultant, AECOM, provided an estimate for construction administration, inspection crew days, and material testing services. The contract administration and geotechnical engineering services related to this project addition will be granted to the following pre-qualified firms using the fee percentages in the Agreements for Professional Engineering Services and Geotechnical Engineering Services for Public Projects.

<b>AECOM</b>		<b>Option 1</b>	<b>Option 2</b>
Contract Administration	3.0% of the Change Order value + 10% construction contingency	\$5,620.43	\$7,723.34
Crew Days	\$800 daily inspection fee X 3 days	\$2,400.00	\$2,400.00
<b>G2 Consulting Group, Inc. (G2)</b>			
Material testing services	3.0% of the Change Order value + 10% construction contingency	\$5,620.43	\$7,723.34

The project will commence this spring and will take 2 to 3 days to complete. All traffic will be maintained by flagging.

**RECOMMENDED ACTION:** Approval of proceeding with one of two estimated preventative maintenance options for Ajax Paving Industries, Inc. on Beck Road, 11 Mile Road to Grand River Avenue.





Grand River Avenue

Beck Road Ultra Thin Overlay Limits

11 Mile Road



**City of Novi**  
**Beck Rd**  
**Ultra Thin Overlay - 11 Mile Rd to Grand River Ave - Only Through**  
**Lanes Preliminary Estimate of Cost**  
**3/3/2025**

Item No.	Item Description	Unit	Quantity	Unit Price	Total Cost
1	Mobilization (10%)	LS	1	13,725.10	\$ 13,725.10
2	Pre-Construction Audio-Visual	LS	1	\$ 3,500.00	\$ 3,500.00
3	Cold Milling HMA Surface	Syd	7868	\$ 2.98	\$ 23,446.64
4	HMA, Ultra-Thin, Medium Volume, Warranty	Syd	7868	\$ 8.30	\$ 65,304.40
5	Permanent Pavement Markings	LS	1	\$ 3,000.00	\$ 3,000.00
6	Maintaining Traffic	LS	1	\$ 42,000.00	\$ 42,000.00
7	Construction Contingency	LS	1	\$ 27,450.21	\$ 27,450.21
	Base Bid Construction Cost				<b>\$ 178,426.35</b>
	Design Engineering	0.00%			\$ -
	Geotechnical	0.0%			\$ -
	Design Contingency	0%			\$ -
					<b>\$ -</b>
	Construction Engineering	3.00%			\$ 5,352.79
	Materials Testing	3.0%			\$ 5,352.79
	Crew Days	\$ 800	3		\$ 2,400.00
	Construction Contingency	10%			\$ 535.28
					<b>\$ 13,640.86</b>
	<b>TOTAL COST</b>				<b>\$ 192,067.21</b>

Estimate Assumptions:

Only through lanes from inside of pavement marking to inside of pavement marking. Therefore only pavement marking needs are stop bars and crosswalks at Providence S Dr

Used Ajax's previous unit price for Maintaining Traffic for Beck Rd PPO

Used Ajax's previous unit price for Cold Milling HMA Surface from Beck Rd PPO.

Used Ajax's previous unit price from 2023 CPM for Ultra-Thin overlay + 5%

**City of Novi**  
**Beck Rd**  
**Ultra Thin Overlay - 11 Mile Rd to Grand River Ave - Through Lanes and Turn**  
**Pockets Preliminary Estimate of Cost**  
**3/3/2025**

Item No.	Item Description	Unit	Quantity	Unit Price	Total Cost
1	Mobilization (10%)	LS	1	18,860.40	\$ 18,860.40
2	Pre-Construction Audio-Visual	LS	1	\$ 3,500.00	\$ 3,500.00
3	Cold Milling HMA Surface	Syd	11800	\$ 2.98	\$ 35,164.00
4	HMA, Ultra-Thin, Medium Volume, Warranty	Syd	11800	\$ 8.30	\$ 97,940.00
5	Permanent Pavement Markings	LS	1	\$ 10,000.00	\$ 10,000.00
6	Maintaining Traffic	LS	1	\$ 42,000.00	\$ 42,000.00
7	Construction Contingency	LS	1	\$ 37,720.80	\$ 37,720.80
	Base Bid Construction Cost				<b>\$ 245,185.20</b>
	Design Engineering	0.00%			\$ -
	Geotechnical	0.0%			\$ -
	Design Contingency	0%			\$ -
					<b>\$ -</b>
	Construction Engineering	3.00%			\$ 7,355.56
	Materials Testing	3.0%			\$ 7,355.56
	Crew Days	\$ 800	3		\$ 2,400.00
	Construction Contingency	10%			\$ 735.56
					<b>\$ 17,846.67</b>
	<b>TOTAL COST</b>				<b>\$ 263,031.87</b>

Estimate Assumptions:

- From inside of pavement markings for center left turn lane through the outside edge of the road.
- Used Ajax's previous unit price for Maintaining Traffic for Beck Rd PPO
- Used Ajax's previous unit price for Cold Milling HMA Surface from Beck Rd PPO.
- Used Ajax's previous unit price from 2023 CPM for Ultra-Thin overlay + 5%