

MEMORANDUM



TO: VICTOR CARDENAS, CITY MANAGER
FROM: JEFFREY HERCZEG, DIRECTOR OF PUBLIC WORKS
SUBJECT: BECK ROAD (9 TO 11 MILE ROADS) PREPARED FOR
DATE: APRIL 25, 2024

Mayor and Council –

Some REALLY good needs as it pertains to a temporary fix to Beck Road (9 -11 mile). A price estimate that has come back could serve as a viable option as the City deliberates further on a long-term solution for Beck.

- Victor

This memo is a follow-up to the March 7, 2024, Administrative Packet memo *Beck Road Update and Options* (attached), which gave City Council three options to address the condition of Beck Road. Since then, staff have new information on the proposed pavement preservation overlay (PPO) on the 9 Mile to 11 Mile segment and a new timeline for the reconstruction of the segment from 11 Mile Road to Grand River Ave. discussed in the previous correspondence.

The **partially funded segment (11 Mile to Grand River)**'s new schedule is as follows:

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| • Draft Environmental Assessment (EA) MDOT Submittal | June 7, 2024 |
| • Revised Draft EA submittal to MDOT | July 19, 2024 |
| • Revised EA submittal to MDOT for final FHWA review | August 30, 2024 |
| • FHWA publishes final EA | September 27, 2024 |
| • Public meeting for public review of EA | October 25, 2024 |
| • FONSI submittal to MDOT | November 8, 2024 |
| • FHWA Issues FONSI | December 20, 2024 |
| • Final Design | Winter/Spring 2025 |
| • Letting | Summer 2025 |

Some preventative maintenance (spray patching and pothole filling) will be needed on this segment this year and next to ensure it lasts into the construction year 2026.

The segments from **9 Mile Road to 11 Mile Road** are in worse condition, and seasonal patching is currently being performed prior to the planned PPO. Previously staff estimated the pavement preservation overlay budgeted for **FY 2024/25 and 2025/26** was going to cost ~\$2.2M total for both segments; however, the contractor (Ajax) who performed the **Capital Preventative Maintenance (CPM)** program last year agreed to hold unit prices for the Beck Road work. The proposed cost for the PPO construction (per a change order from 2023 CPM) is ~\$1.2M total plus construction engineering at ~\$70K for a total ~\$1.3M, significantly less than expected.

Therefore, staff recommends performing both segments of the PPO this fall or spring 2025 by executing a change order on the 2023 CPM construction contract. If there is enough appropriate weather remaining in the 2024 construction season, the work will be planned to start after the Wixom Road project is completed (Beck Road is currently serving as a detour). If timelines do not align, the work will be pushed until spring of 2025 under

agreement with the contractor of a 4% overall cost increase. The PPO will take two to three weeks to complete and can be constructed under flag control and limited lane closures. Since staff budgeted ~\$1.2M for each segment, there will be little impact on the road funds. An additional ~\$125K will need to be reallocated in FY 2024/25 and funds budgeted in FY 2025/26 will be redistributed amongst other road projects.

"OUT-THE-DOOR" PUBLIC PROJECT BUDGETING

PROJECT NAME:

Beck Road Pavement Preservation Overlay (9 Mile to 11 Mile Rd)

DESIGN

	% or #	Estimated Cost	Notes
Design Engineering	2%	\$23,027.45	Reduced design effort; Reduced fee percentage
ROW Acquisition		\$0.00	Not needed
Geotechnical	0%	\$0.00	Not needed
Other		\$0.00	Not needed
Contingency	0%	\$0.00	Estimated
Sub-Total		\$23,027.45	

CONSTRUCTION

Construction Contractor		\$1,151,372.54	Per Ajax - 4% added for delaying until Wixom Rd done (\$1,107,089+\$44,283.56)
Contract Administration	3%	\$34,541.18	Based on fee schedule
Crew Days	10	\$8,000.00	Based on flagging.
Material Testing	2%	\$21,876.08	Based on fee schedule
Other		\$0.00	Estimated
Contingency	10%	\$115,137.25	Estimated
Sub-Total		\$1,330,927.05	

Grand Total

\$1,353,954.50

\$1,229,981.00

FY 2024-25 Budget

-\$123,973.50

OVER BUDGET

Generally, PPOs have a service life of 3-5 years but can last longer depending on conditions. The RCOC PPO of 10 Mile Road was done in 2019/20 and is only showing minor cracking and deterioration. The road condition scores for funding applications are not penalized for PPO treatments (less than 2 inches of pavement), so the proposed work will not impact any future attempts for Beck Road funding (in previous memo). All three options are still feasible, and the PPO simply offers an extended timeline on the preferred option.

Staff plans to bring a change order forward for consideration to City Council later this month to lock in the contractor prices and schedule.