

MN DOT Correspondence 2017 Main Street Project

10/2/2015
City of Hokah
Administrator

Dear Jim Kochie,

As requested, I have attached a very preliminary cost estimate that shows the City of Hokah's cost per the MnDOT cost participation policy. This estimate is limited to the current scope of the Mill and overlay of the highway pavement from curb to curb and the City's cost include the parking lanes on TH 44 (see the attached map for the project limits). This project is currently scheduled for construction summer of 2017.

If the City of Hokah determines that the watermain under TH 44 needs to be replaced and would like to incorporate the watermain work into the highway project, the scope and cost of the highway project would increase. A significant change to the project scope like this would likely push back this project to when adequate funding is available. It would be favorable for MnDOT to have a decision from the City as early as possible to coordinate and accommodate this potential change.

At this time we will continue to develop the mill and overlay project until we hear back from the City on whether they would like to add the replacement of the watermain to the highway project or not. I will wait to hear back from you on the City's decision. Please let me know if you have any questions or if you need any additional information.

Thanks,

Jacob Gasper, PE | Project Manager
MnDOT District 6 | 2900 48th Street NW | Rochester, MN 55901
Email: jacob.gasper@state.mn.us | Phone: (507) 286-7693

Rod,

Please provide this information to the Council for the October 6 meeting.

MnDOT asked that the Council make the final decision on proceeding with the watermain replacement on STH 44 at the October meeting. They need to know if this will be a part of the highway improvements scheduled for 2017. Plans for the work must be complete by late summer 2016. Attached is a copy of their e-mail with the cost estimate they are anticipating for the current mill and overlay project and includes an estimate of the City share of just that work. The City share is only for the outside lane milling and overlay and a percentage of traffic control, mobilization and field office. The estimated City share is \$35,250.00. There are currently no plans to include curb and gutter and sidewalk replacement and just a minimal amount of storm sewer work.

I have also attached an updated cost estimate of the watermain construction if the City does a joint project with MnDOT. The estimate includes the trench restoration components that will be required by MnDOT. The total anticipated cost is \$760,000.00.

The best program for funding is through the Minnesota Department of Health and the Public Facilities Authority. Loans can be as low as 1% and the City is currently on the list for potential projects. A formal request for funding would need to be submitted by June of 2016.

The annual principal & interest payment of \$760,000 at 1% interest for 30 years is = \$29,450.00 or \$10/month increase for a typical residence.

If the Council would agree to proceed with the work, MnDOT said they would likely add more storm sewer reconstruction.

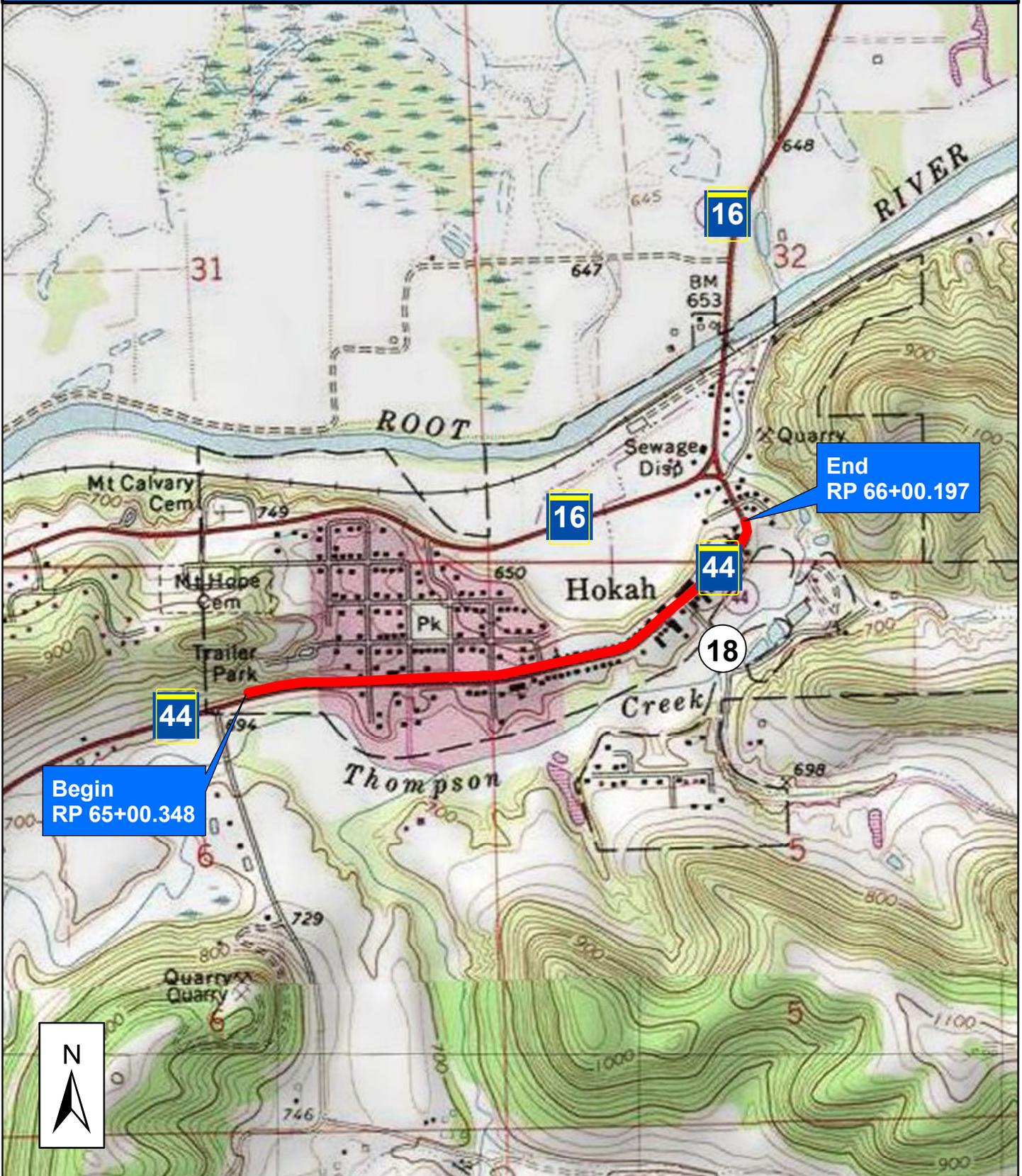
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SP 2804-37 (TH 44) COST ESTIMATE - MILL & OVERLAY

DESCRIPTION	TOTAL	100% STATE	90/10 STATE/CITY	100% CITY	UNIT	UNIT COST	TOTAL COST	STATE	CITY	
MILL BITUMINOUS SURFACE (3.0")										
MAINLINE	23405	16593	5482	1330	SY	\$1.25	\$29,256.25	\$26,908.50	\$2,347.75	
TYPE SP 12.5 WEARING COURSE MIX (3,B)										
MAINLINE	3966	2812	929	225	TON	\$70.00	\$277,620.00	\$255,367.00	\$22,253.00	
AGGREGATE SURFACING CLASS 2										
Shoulder Preparation	70	70			CY	\$5.29	\$370.83	\$370.83	\$0.00	
SHOULDER PI	133	133			TON	\$25.00	\$3,325.00	\$3,325.00	\$0.00	
EROSION CONTROL & TURF ESTABLISHMENT										
EXCAVATION - COMMON	21	21			CY	\$5.29	\$111.09	\$111.09	\$0.00	
COMMON TOPSOIL BORROW	16	16			CY	\$18.26	\$292.16	\$292.16	\$0.00	
FERTILIZER TYPE 3	4	4			LB	\$0.68	\$2.72	\$2.72	\$0.00	
SEED MIXTURE 25-141	1	1			LB	\$4.10	\$4.51	\$4.51	\$0.00	
MULCH MATERIAL TYPE 1	0.03	0.03			TON	\$452.13	\$13.56	\$13.56	\$0.00	
Turf Establiment	1.00	1.00			LS	\$3,000.00	\$0.00	\$0.00	\$0.00	
PAVEMENT MARKING										
4" DOUBLE SOLID LINE YELLOW-PAINT	4483	4483			LIN FT	\$0.18	\$806.94	\$806.94	\$0.00	
4" SOLID LINE WHITE-PAINT	3620	3620			LIN FT	\$0.08	\$289.60	\$289.60	\$0.00	
CROSSWALK MARKING-PAINT	1160	1160			SF	\$1.48	\$1,716.80	\$1,716.80	\$0.00	
HYDRAULICS										
STORM SEWER REPAIR/REPLACEMENT	1	1			LS	\$141,863.19	\$141,863.19	\$141,863.19	\$0.00	
20% CONTINGENCY							\$91,134.53	\$86,214.38	\$4,920.15	
							SUBTOTAL	\$546,807.18	\$517,286.28	\$29,520.90
Field Office	1	0.946		0.054	LS		\$15,000.00	\$14,190.18	\$809.82	
MOBILIZATION 5%	1	0.947		0.053	LS		\$27,340.36	\$25,896.87	\$1,443.49	
TRAFFIC CONTROL 3%	1	0.947		0.053	LS		\$16,404.22	\$15,538.12	\$866.10	
Construction Engineering 8%							\$48,444.14	\$45,832.92	\$2,611.22	
							TOTAL	\$653,995.90	\$618,744.37	\$35,251.53

Note: This estimate doesn't include potential utility adjustments

MEDIUM MILL & OVERLAY SP 2804-37 (T.H. 44) Hokah, MN



PRELIMINARY COST ESTIMATE
Watermain Replacement
Main St. , STH 44
Hokah, Minnesota

Quantity	Unit	Item	Unit Price	Total
2,700	lin. ft.	8" DIP Watermain	\$ 45.00	\$ 121,500.00
100	lin. ft.	6" DIP Watermain	\$ 40.00	\$ 4,000.00
10	ea.	8" Gate Valves & Boxes	\$ 1,800.00	\$ 18,000.00
9	ea.	6" Gate Valves & Boxes	\$ 1,200.00	\$ 10,800.00
8	ea.	Hydrants	\$ 2,800.00	\$ 22,400.00
160	lin. ft.	6" DIP Hydrant Lead	\$ 30.00	\$ 4,800.00
1,100	lbs.	Special Fittings	\$ 6.00	\$ 6,600.00
68	ea.	1" Corporation Stops	\$ 175.00	\$ 11,900.00
68	ea.	1" Curb Stops & Boxes	\$ 250.00	\$ 17,000.00
2,500	lin. ft.	1" Type K Copper Service	\$ 20.00	\$ 50,000.00
4	ea.	2" Corporation Stops	\$ 250.00	\$ 1,000.00
4	ea.	2" Curb Stops & Boxes	\$ 300.00	\$ 1,200.00
140	lin. ft.	2" Type K Copper Service	\$ 30.00	\$ 4,200.00
5	ea.	Connect to Existing Mains	\$ 900.00	\$ 4,500.00
720	lin. ft.	Remove & Replace C & G	\$ 25.00	\$ 18,000.00
3,900	sf	Remove & Replace Sidewalk	\$ 5.50	\$ 21,450.00
5,575	cy	Granular Subbase (Restore Trench)	\$ 10.00	\$ 55,750.00
2,200	ton	Class V Aggregate Base (Restore Trench)	\$ 12.00	\$ 26,400.00
2,000	ton	HMA Surfacing (Restore trench)	\$ 70.00	\$ 140,000.00
Total Estimated Construction Cost				\$ 539,500.00
Engineering				
		Design	\$ 48,600.00	
		Bid & Award	\$ 4,000.00	
		Construction Phase	\$ 48,600.00	
		Preliminary Report	\$ 2,500.00	
		Bond Counsel	\$ 8,500.00	
		Payroll Monitoring	\$ 2,500.00	
		Water Rate Study	\$ 3,500.00	
		Funding Applications	\$ 5,000.00	
		Legal & Administrative (1.5%)	\$ 8,100.00	
		Contingencies (10%)	\$ 54,000.00	
		City Share MnDOT Project	\$ 35,250.00	
		Subtotal		\$ 220,550.00
TOTAL ESTIMATED PROJECT COST				\$ 760,050.00