



Highway 10 Corridor Study Victoria-Chaska Area

Implementation Plan

December 2020



Priority	Project Number	Sub-Area	Years Estimated	Project Description	Potential Funding	Lead Agency	Cost												Comments				
							Construction		Right-of-Way		Project Development and Delivery		Total (2020 Dollars)		Year	Total Expected Cost (with 3% inflation)							
Short-Term	S1	Highway 11	2-3 Years	CSAH 11 Improvements North of Railroad Xing to South of Marsh Lake Road	CO, Local	County	\$1,700,000	to	\$1,870,000	\$22,000	to	\$20,000	\$340,000	to		\$370,000	\$2,062,000	to	\$2,270,000	2022	\$2,190,000	to	\$2,410,000
	S2	Eastern	4-6 Years	CSAH 10 Reconstruction from West of White Oak Drive to E. of Crest Drive	CO, Local, RS, TH	County	\$4,260,000	to	\$4,690,000	\$490,700	to	\$540,000	\$850,000	to	\$940,000	\$5,600,700	to	\$6,160,000	2024	\$6,300,000	to	\$6,930,000	
	S3	Eastern	4-6 Years	TH 41 Grade Separated Pedestrian Crossing North of CSAH 10	Local, SRTS	City	\$1,200,000	to	\$1,320,000	\$66,300	to	\$70,000	\$250,000	to	\$280,000	\$1,516,300	to	\$1,670,000	2024	\$1,710,000	to	\$1,880,000	
	S4	Eastern	4-6 Years	CSAH 10 Grade Separated Pedestrian Crossing East of TH 41	CO, Local, RS	City, County	\$950,000	to	\$1,050,000	\$124,100	to	\$140,000	\$200,000	to	\$220,000	\$1,274,100	to	\$1,400,000	2024	\$1,430,000	to	\$1,580,000	
	S5	Eastern	4-6 Years	CSAH 10/Bavaria Road Intersection Improvements	CO, Local, RS	County	\$2,658,000	to	\$2,920,000	\$110,000	to	\$120,000	\$550,000	to	\$610,000	\$3,318,000	to	\$3,650,000	2024	\$3,730,000	to	\$4,110,000	
	S6	Eastern	4-6 Years	CSAH 10 Reconstruction from Bavaria Road to White Oak Drive	CO, Local, RS	County	\$1,194,600	to	\$1,310,000	\$160,600	to	\$180,000	\$250,000	to	\$280,000	\$1,605,200	to	\$1,770,000	2024	\$1,810,000	to	\$1,990,000	
	S7	Eastern	4-6 Years	CSAH 10/Park Ridge Drive Intersection Improvements	CO, Local, SRTS	County	\$2,868,800	to	\$3,160,000	\$175,900	to	\$190,000	\$550,000	to	\$610,000	\$3,594,700	to	\$3,950,000	2024	\$4,050,000	to	\$4,450,000	
	S8	Eastern	4-6 Years	ISD #112 School Site Planning Study - Near Crest Drive	CO, Local	City, County	\$0	to	\$0	\$0	to	\$0	\$40,000	to	\$40,000	\$40,000	to	\$40,000	2024	\$50,000	to	\$50,000	
Subtotal							\$14,831,400	to	\$16,320,000	\$1,149,600	to	\$1,260,000	\$3,030,000	to	\$3,350,000	\$19,011,000	to	\$20,910,000		\$21,270,000	to	\$23,400,000	
Mid-Term	M1	Western	4-6 Years	CSAH 10/CSAH 11 Intersection Improvements	CO, RS	County	\$3,900,000	to	\$4,290,000	\$50,000	to	\$60,000	\$780,000	to	\$860,000	\$4,730,000	to	\$5,200,000	2026	\$5,650,000	to	\$6,210,000	
	M2	Highway 11	6-10 Years	CSAH 11 Improvements North of CSAH 10 to Railroad Xing	CO, Local	County	\$1,894,000	to	\$2,080,000	\$20,000	to	\$20,000	\$380,000	to	\$420,000	\$2,294,000	to	\$2,520,000	2026	\$2,740,000	to	\$3,010,000	
	M3	Western	6-10 Years	CSAH 10 Reconstruction from East of Railroad Xing to W. Creek Lane	CO, Local	County	\$8,940,000	to	\$9,830,000	\$855,800	to	\$940,000	\$1,790,000	to	\$1,970,000	\$11,585,800	to	\$12,740,000	2026	\$13,830,000	to	\$15,210,000	Rural typical section assumed.
	Subtotal							\$14,734,000	to	\$16,200,000	\$925,800	to	\$1,020,000	\$2,950,000	to	\$3,250,000	\$18,609,800	to	\$20,460,000		\$22,220,000	to	\$24,430,000
Long-Term	L1	Eastern	12-15 Years	CSAH 10 Reconstruction from East of Park Ridge Drive to CSAH 61	CO, Local	County	\$5,431,500	to	\$5,970,000	\$107,500	to	\$120,000	\$1,100,000	to	\$1,210,000	\$6,639,000	to	\$7,300,000	2033	\$9,750,000	to	\$10,720,000	
	L2	Eastern	12-15 Years	CSAH 10 Reconstruction from East of TH 212 Ramps to West of Bavaria Road	CO, Local	County	\$2,273,000	to	\$2,500,000	\$20,000	to	\$20,000	\$450,000	to	\$500,000	\$2,743,000	to	\$3,020,000	2035	\$4,270,000	to	\$4,710,000	
	L3	Western	15-20 Years	CSAH 10 Reconstruction from CSAH 43 West to East of Railroad Xing	CO, Local	County	\$9,400,000	to	\$10,340,000	\$1,559,000	to	\$1,710,000	\$1,880,000	to	\$2,070,000	\$12,839,000	to	\$14,120,000	2038	\$21,860,000	to	\$24,040,000	Completed in coordination with area development.
	Subtotal							\$17,104,500	to	\$18,810,000	\$1,686,500	to	\$1,850,000	\$3,430,000	to	\$2,570,000	\$22,221,000	to	\$24,440,000		\$35,880,000	to	\$39,470,000
Total 20 Year Investment							\$46,669,900	to	\$51,330,000	\$3,761,900	to	\$4,130,000	\$9,410,000	to	\$9,170,000	\$59,841,800	to	\$65,810,000		\$79,370,000	to	\$87,300,000	
Opportunity / Development Driven	O1	Eastern		Local Trail - City of Chaska Ridge Lane to Ravoux Road	Local	Chaska	\$900,000	to	\$990,000	\$0	to	\$0	\$180,000	to	\$200,000	\$1,080,000	to	\$1,190,000	2030	\$1,450,000	to	\$1,600,000	Cost include trail along north side of CSAH 10.
	O2	Eastern		Trail Realignment And Underpass Near Ravoux Rd	CO, Local	Chaska	\$0	to	\$0	\$0	to	\$0	\$0	to	\$0	\$0	to	\$0	2030	TBD	to	TBD	
	O3	Eastern		CSAH 10/White Oak Drive Intersection Traffic Signal Improvement	CO, Local	County	\$250,000	to	\$280,000	\$0	to	\$0	\$50,000	to	\$60,000	\$300,000	to	\$330,000	2035	\$470,000	to	\$510,000	May complete with S2.
	O4	Eastern		Local Roads - City of Chaska Old Audubon Rd/Brandon Blvd/Ravoux Rd realignment	Local	Chaska, County	-	to	-	-	to	-	-	to	-	-	to	-	TBD	-	to	-	
	O5	Eastern		Local Roads - City of Chaska Victoria Drive and Bavaria Lane	CO, Local	County	-	to	-	-	to	-	-	to	-	-	to	-	TBD	-	to	-	
	O6	Eastern		Local Roads - City of Chaska Prescott Lane, South Connection	Local	Chaska	-	to	-	-	to	-	-	to	-	-	to	-	TBD	-	to	-	
	O7	Western		Local Roads - City of Victoria Collector Roadway System	Local	Victoria	-	to	-	-	to	-	-	to	-	-	to	-	TBD	-	to	-	
	O8	Western		Development Access(es) Victoria Worx Subarea Plan Access	Local	Victoria, County	-	to	-	-	to	-	-	to	-	-	to	-	TBD	-	to	-	
	O9	Western		CSAH 10 Grade Separated Railroad Crossing	CO	County	-	to	-	-	to	-	-	to	-	-	to	-	2019	-	to	-	
	O10	Highway 11		CSAH 11 Grade Separated Railroad Crossing	CO	County	-	to	-	-	to	-	-	to	-	-	to	-	2022	-	to	-	

FUNDING KEY

CO County State Aid Highway, County Sales Tax, Wheelage, or Other County Funds
HSIP Highway Safety Improvement Program Funds (Federal)
LOCAL City Funding MSAS
LPP Local Partnership Program
LRIP Local Road Improvement Program Funds (State)

MHFP Minnesota Highway Freight Program Funds (State)
PRIV Private Funding / Development (Private)
RS Regional Solicitation (Federal)
SRTS Safe Routes to School
TH Trunk Highway Funds (State)

Note: Construction and Project Development and Delivery cost are estimate cost plus 10%
Note: Construction Cost do NOT include City Utilities (Sanitary/Watermain)
Note: Right-of-Way costs are preliminary and will be finalized at a later date

POTENTIAL SCHEDULE ADJUSTMENTS

CHANGE: O3 moves to established timeline or schedule

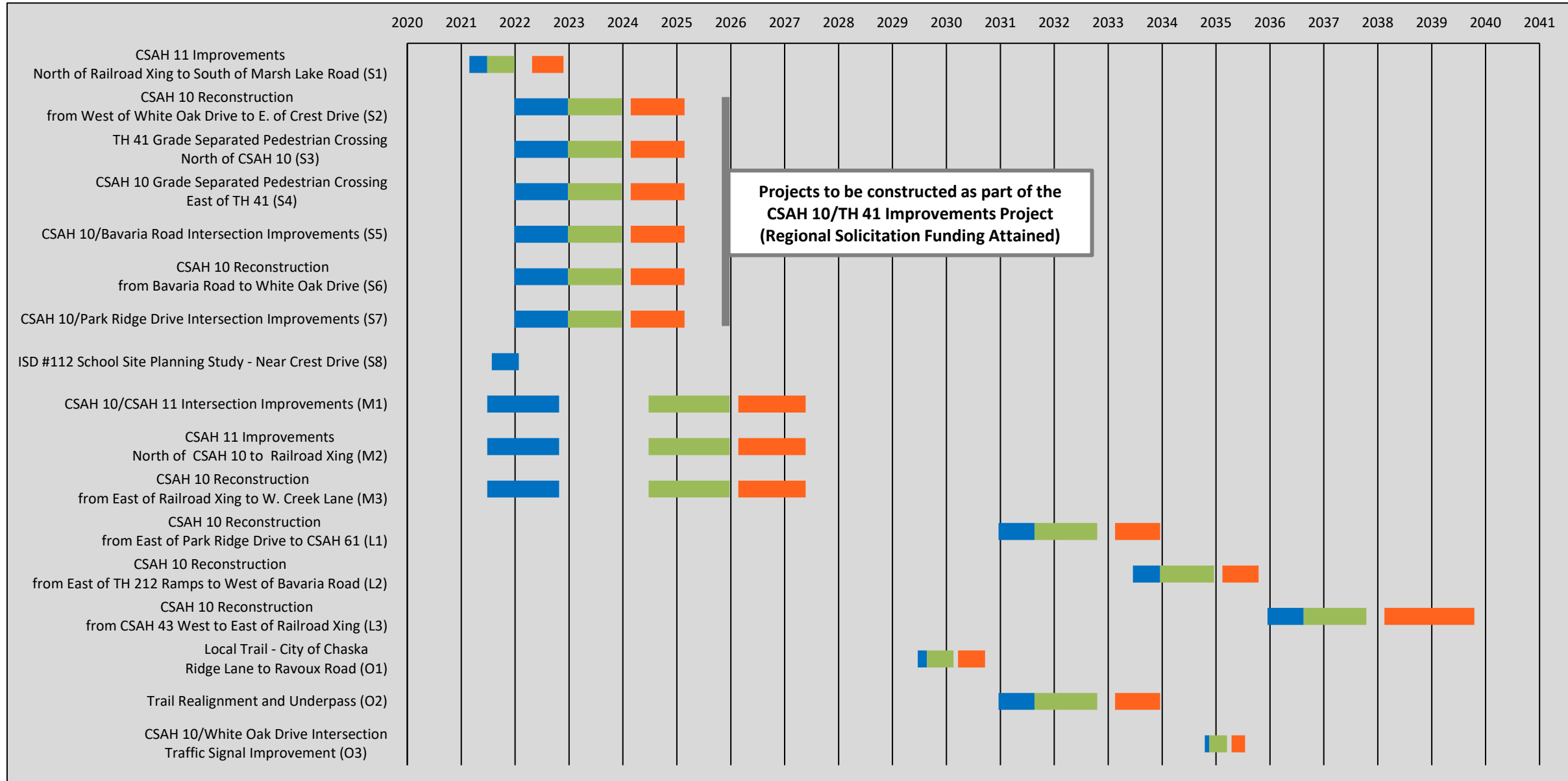
CAUSE: Safety and operations concerns arise at the White Oak Drive Intersection

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Schedule to Deliver Key Projects

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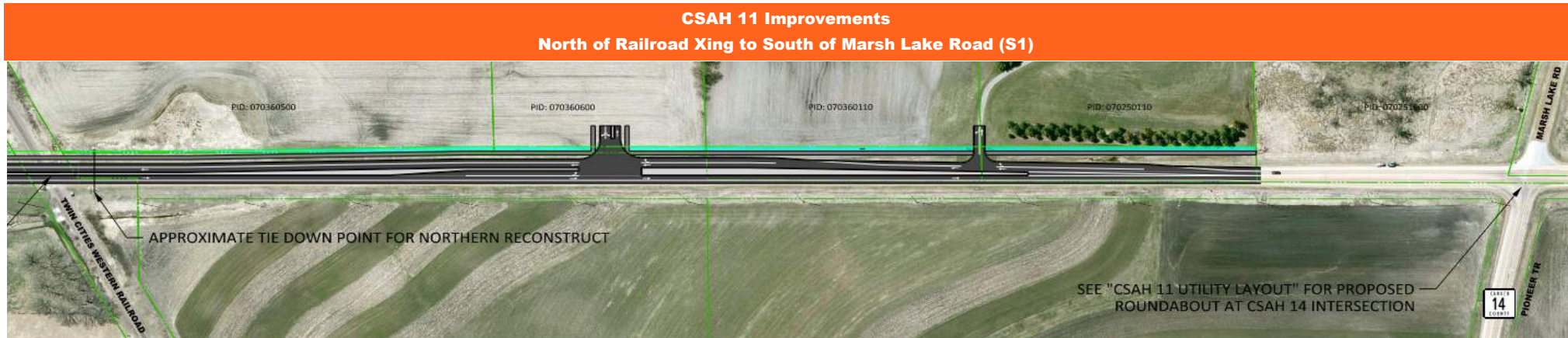
Projects to be constructed as part of the CSAH 10/TH 41 Improvements Project (Regional Solicitation Funding Attained)



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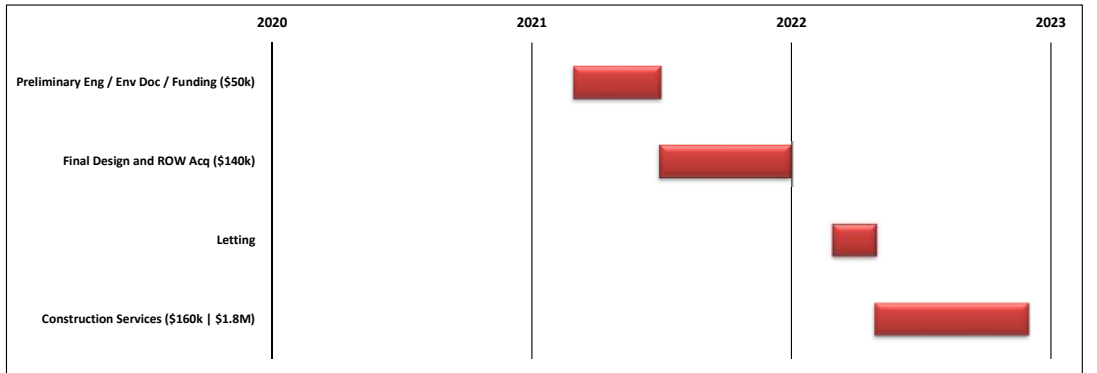
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	2020 Dollars	2022 Dollars
Construction Cost	\$1,700,000	\$1,800,000
ROW Cost	\$22,000	\$20,000
Project Development and Delivery	\$340,000	\$360,000
Total Cost to Deliver Project	\$2,062,000	\$2,180,000

2022 Construction

Item	Duration (months)	Start Date	End Date	% of Proj Dev and Deliv	Proj Dev / Delivery
Preliminary Eng / Env Doc / Funding (\$50k)	4	3/1/2021	7/1/2021	15%	\$50,000
Final Design and ROW Acq (\$140k)	6	7/1/2021	1/1/2022	40%	\$140,000
Letting	2	3/1/2022	5/1/2022	0%	\$0
Construction Services (\$160k \$1.8M)	7	5/1/2022	12/1/2022	45%	\$160,000
TOTAL				100%	\$350,000

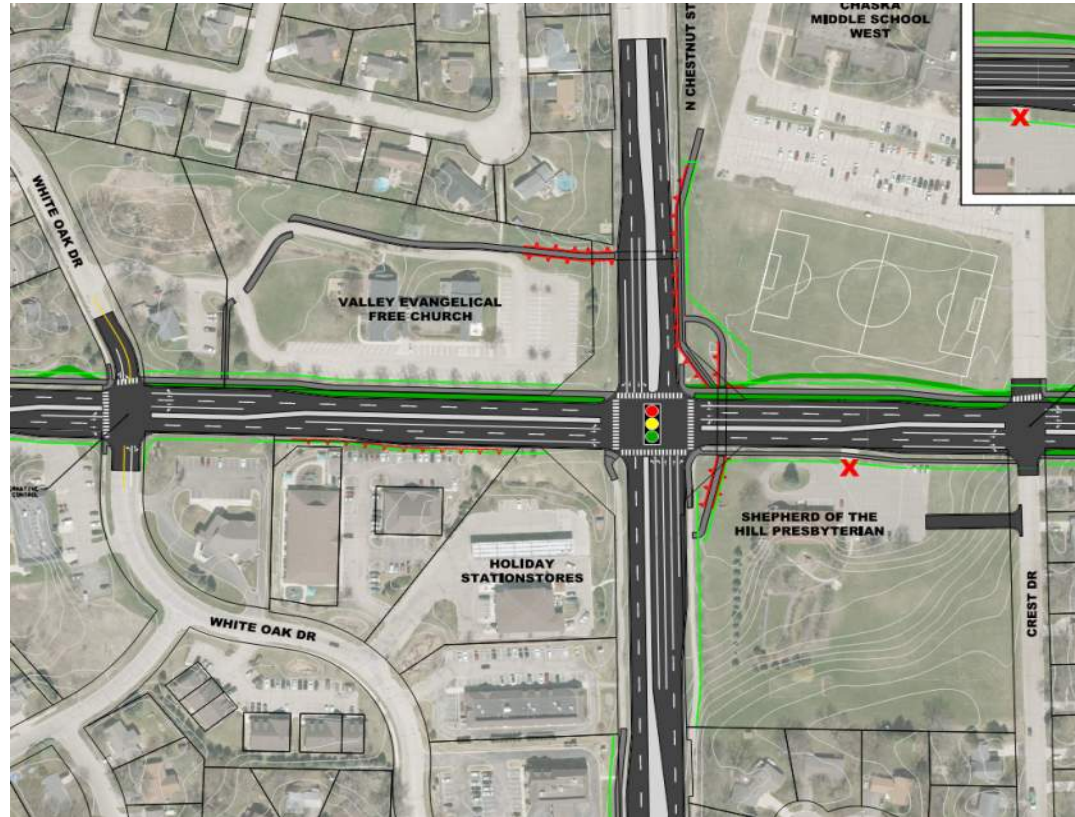


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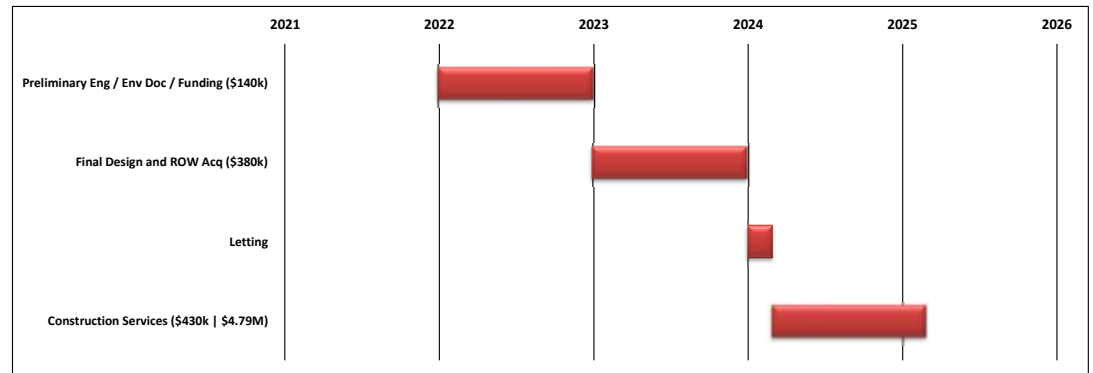
CSAH 10 Reconstruction
from West of White Oak Drive to E. of Crest Drive (S2)



	2020 Dollars	2024 Dollars
Construction Cost	\$4,260,000	\$4,790,000
ROW Cost	\$490,700	\$550,000
Project Development and Delivery	\$850,000	\$960,000
Total Cost to Deliver Project	\$5,600,700	\$6,300,000

2024 Construction

Item	Duration (months)	Start Date	End Date	% of Proj Dev and Deliv	Proj Dev / Delivery
Preliminary Eng / Env Doc / Funding (\$140k)	12	1/1/2022	1/1/2023	15%	\$140,000
Final Design and ROW Acq (\$380k)	12	1/1/2023	1/1/2024	40%	\$380,000
Letting	2	1/1/2024	3/1/2024	0%	\$0
Construction Services (\$430k \$4.79M)	12	3/1/2024	3/1/2025	45%	\$430,000
TOTAL				100%	\$950,000



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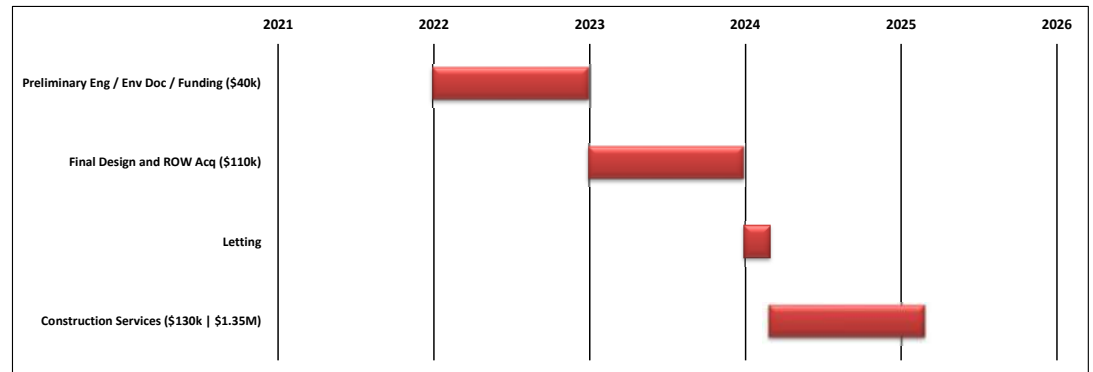
TH 41 Grade Separated Pedestrian Crossing North of CSAH 10 (S3)



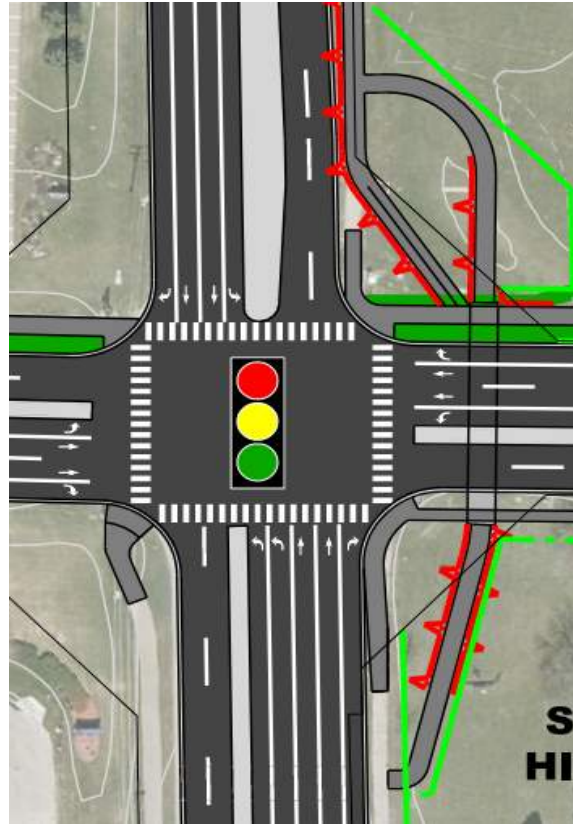
	2020 Dollars	2024 Dollars
Construction Cost	\$1,200,000	\$1,350,000
ROW Cost	\$66,300	\$70,000
Project Development and Delivery	\$250,000	\$280,000
Total Cost to Deliver Project	\$1,516,300	\$1,700,000

2024 Construction

Item	Duration (months)	Start Date	End Date	% of Proj Dev and Deliv	Proj Dev / Delivery
Preliminary Eng / Env Doc / Funding (\$40k)	12	1/1/2022	1/1/2023	15%	\$40,000
Final Design and ROW Acq (\$110k)	12	1/1/2023	1/1/2024	40%	\$110,000
Letting	2	1/1/2024	3/1/2024	0%	\$0
Construction Services (\$130k \$1.35M)	12	3/1/2024	3/1/2025	45%	\$130,000
TOTAL				100%	\$280,000



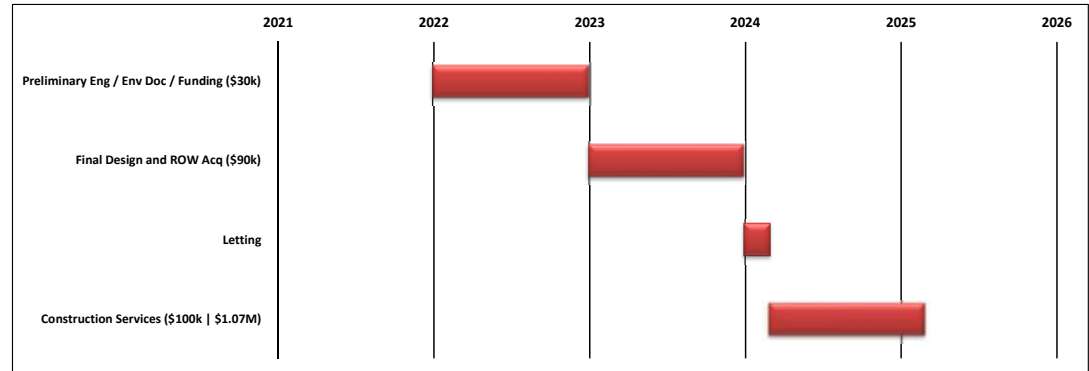
**CSAH 10 Grade Separated Pedestrian Crossing
East of TH 41 (S4)**



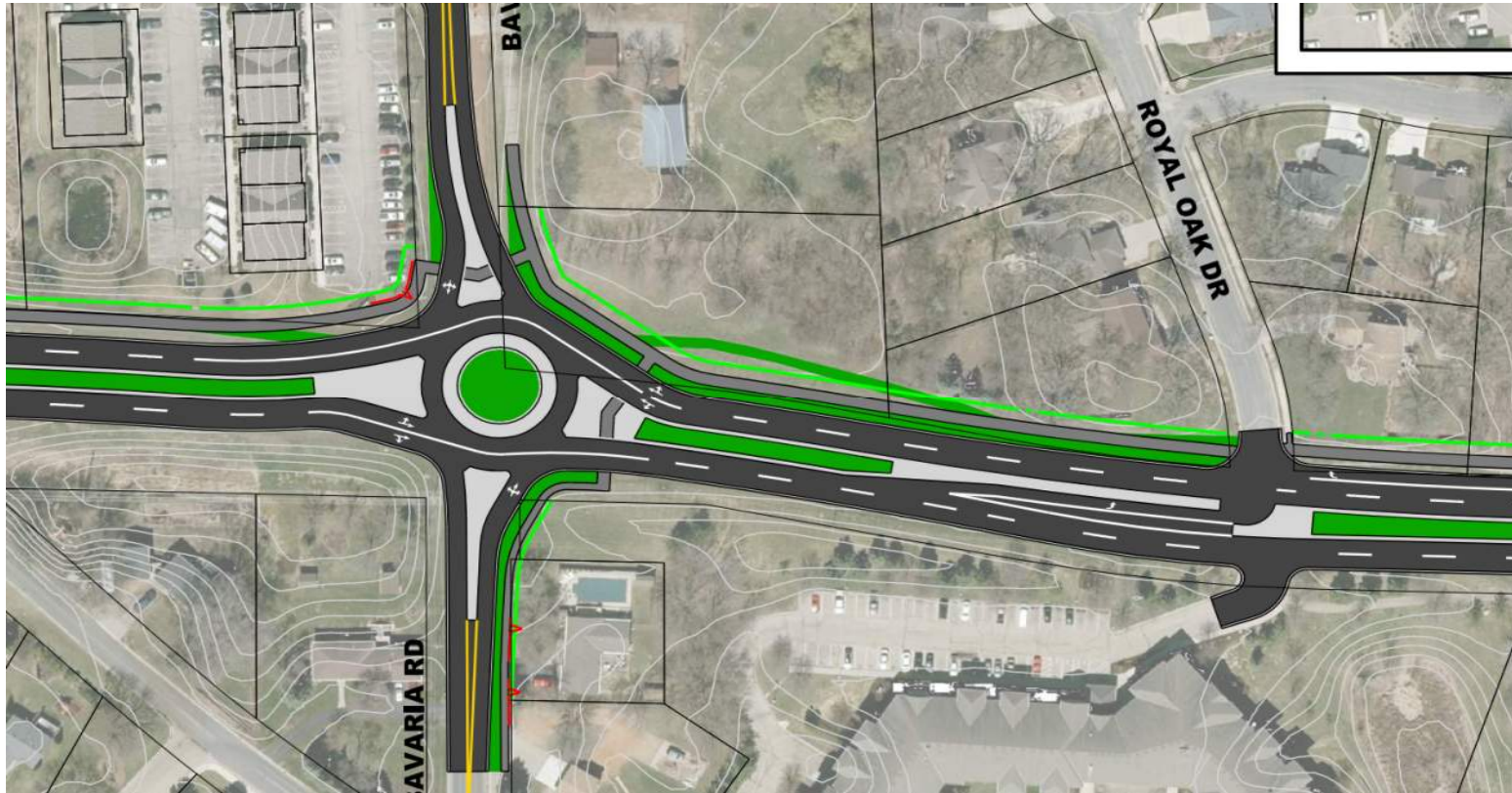
	2020 Dollars	2024 Dollars
Construction Cost	\$950,000	\$1,070,000
ROW Cost	\$124,100	\$140,000
Project Development and Delivery	\$200,000	\$230,000
Total Cost to Deliver Project	\$1,274,100	\$1,440,000

2024 Construction

Item	Duration (months)	Start Date	End Date	% of Proj Dev and Deliv	Proj Dev / Delivery
Preliminary Eng / Env Doc / Funding (\$30k)	12	1/1/2022	1/1/2023	15%	\$30,000
Final Design and ROW Acq (\$90k)	12	1/1/2023	1/1/2024	40%	\$90,000
Letting	2	1/1/2024	3/1/2024	0%	\$0
Construction Services (\$100k \$1.07M)	12	3/1/2024	3/1/2025	45%	\$100,000
TOTAL				100%	\$220,000



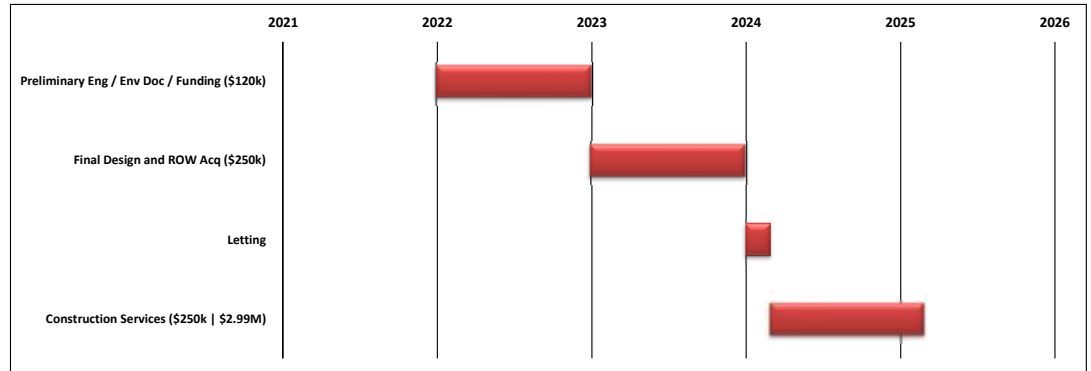
CSAH 10/Bavaria Road Intersection Improvements (\$5)



	2020 Dollars	2024 Dollars
Construction Cost	\$2,658,000	\$2,990,000
ROW Cost	\$110,000	\$120,000
Project Development and Delivery	\$550,000	\$620,000
Total Cost to Deliver Project	\$3,318,000	\$3,730,000

2024 Construction

Item	Duration (months)	Start Date	End Date	% of Proj Dev and Deliv	Proj Dev / Delivery
Preliminary Eng / Env Doc / Funding (\$120k)	12	1/1/2022	1/1/2023	20%	\$120,000
Final Design and ROW Acq (\$250k)	12	1/1/2023	1/1/2024	40%	\$250,000
Letting	2	1/1/2024	3/1/2024	0%	\$0
Construction Services (\$250k \$2.99M)	12	3/1/2024	3/1/2025	40%	\$250,000
TOTAL				100%	\$620,000



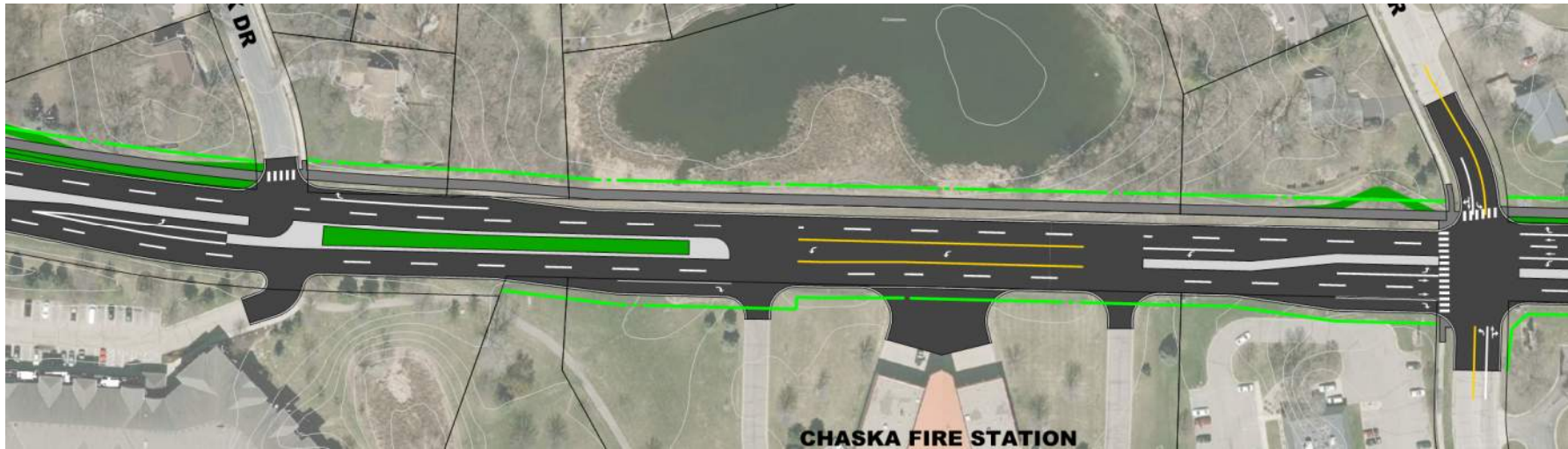
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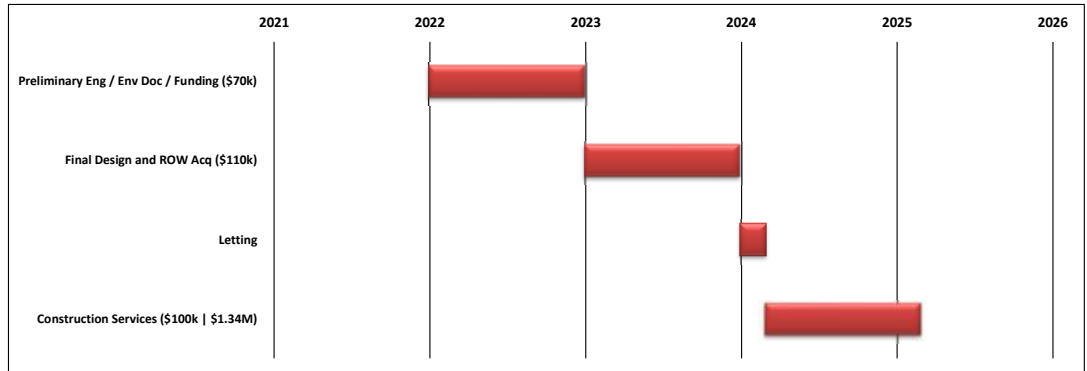
**CSAH 10 Reconstruction
from Bavaria Road to White Oak Drive (S6)**



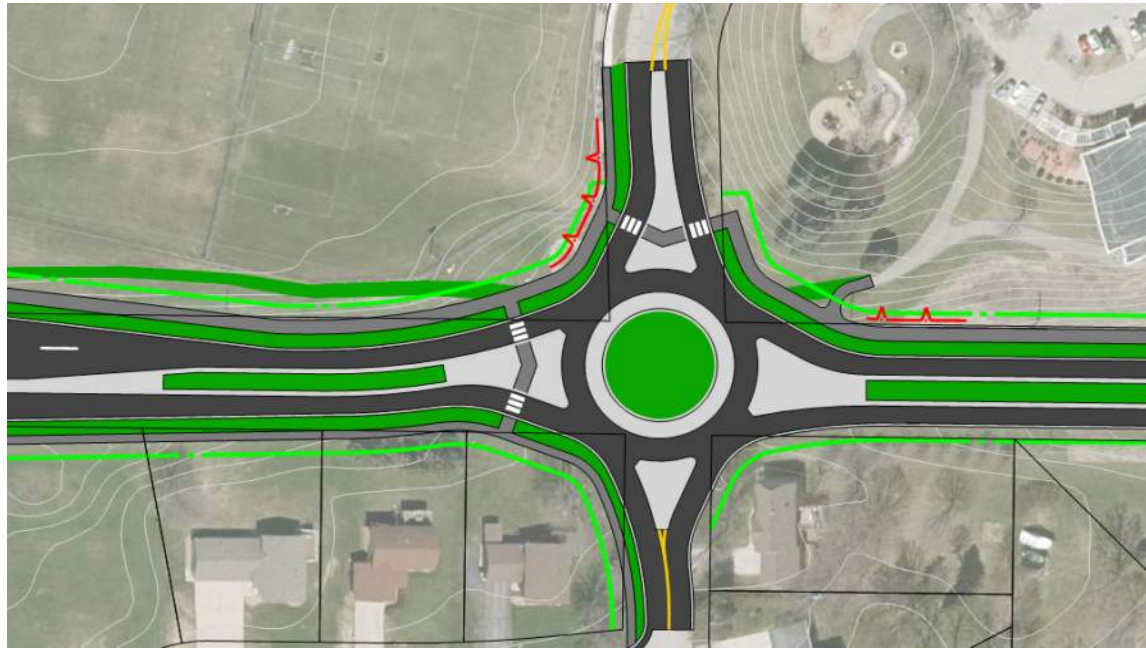
	2020 Dollars	2024 Dollars
Construction Cost	\$1,194,600	\$1,340,000
ROW Cost	\$160,600	\$180,000
Project Development and Delivery	\$250,000	\$280,000
Total Cost to Deliver Project	\$1,605,200	\$1,800,000

2024 Construction

Item	Duration (months)	Start Date	End Date	% of Proj Dev and Deliv	Proj Dev / Delivery
Preliminary Eng / Env Doc / Funding (\$70k)	12	1/1/2022	1/1/2023	25%	\$70,000
Final Design and ROW Acq (\$110k)	12	1/1/2023	1/1/2024	40%	\$110,000
Letting	2	1/1/2024	3/1/2024	0%	\$0
Construction Services (\$100k \$1.34M)	12	3/1/2024	3/1/2025	35%	\$100,000
TOTAL				100%	\$280,000



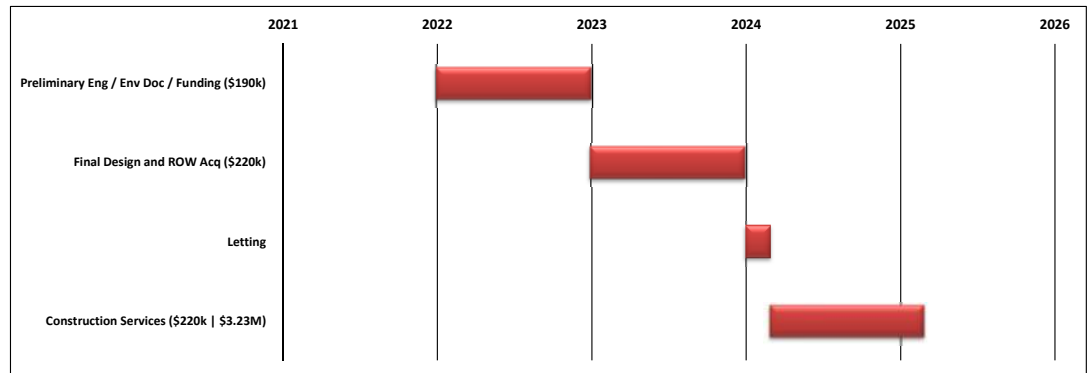
CSAH 10/Park Ridge Drive Intersection Improvements (\$7)



	2020 Dollars	2024 Dollars
Construction Cost	\$2,868,800	\$3,230,000
ROW Cost	\$175,900	\$200,000
Project Development and Delivery	\$550,000	\$620,000
Total Cost to Deliver Project	\$3,594,700	\$4,050,000

2024 Construction

Item	Duration (months)	Start Date	End Date	% of Proj Dev and Deliv	Proj Dev / Delivery
Preliminary Eng / Env Doc / Funding (\$190k)	12	1/1/2022	1/1/2023	30%	\$190,000
Final Design and ROW Acq (\$220k)	12	1/1/2023	1/1/2024	35%	\$220,000
Letting	2	1/1/2024	3/1/2024	0%	\$0
Construction Services (\$220k \$3.23M)	12	3/1/2024	3/1/2025	35%	\$220,000
TOTAL				100%	\$630,000



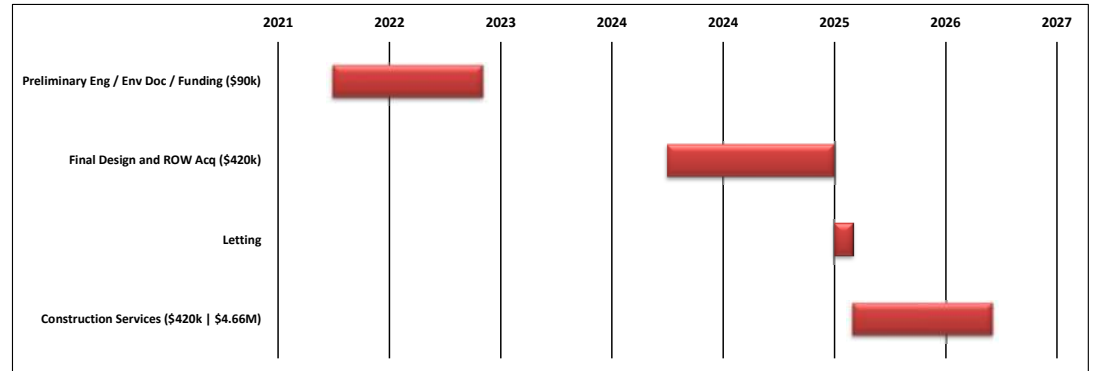
CSAH 10/CSAH 11 Intersection Improvements (M1)



	2020 Dollars	2026 Dollars
Construction Cost	\$3,900,000	\$4,660,000
ROW Cost	\$50,000	\$60,000
Project Development and Delivery	\$780,000	\$930,000
Total Cost to Deliver Project	\$4,730,000	\$5,650,000

2026 Construction

Item	Duration (months)	Start Date	End Date	% of Proj Dev and Deliv	Proj Dev / Delivery
Preliminary Eng / Env Doc / Funding (\$90k)	16	7/1/2021	11/1/2022	10%	\$90,000
Final Design and ROW Acq (\$420k)	18	7/1/2024	1/1/2026	45%	\$420,000
Letting	2	1/1/2026	3/1/2026	0%	\$0
Construction Services (\$420k \$4.66M)	15	3/1/2026	6/1/2027	45%	\$420,000
TOTAL				100%	\$930,000



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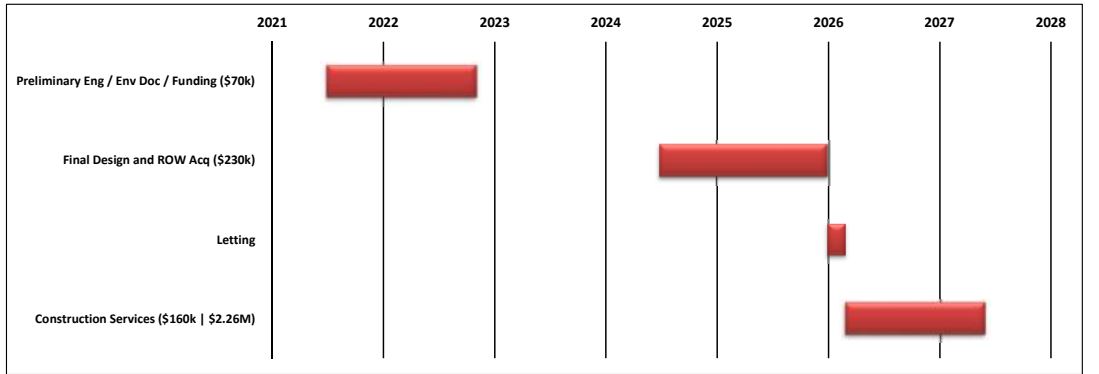
CSAH 11 Improvements
North of CSAH 10 to Railroad Xing (M2)



	2020 Dollars	2026 Dollars
Construction Cost	\$1,894,000	\$2,260,000
ROW Cost	\$20,000	\$20,000
Project Development and Delivery	\$380,000	\$450,000
Total Cost to Deliver Project	\$2,294,000	\$2,730,000

2026 Construction

Item	Duration (months)	Start Date	End Date	% of Proj Dev and Deliv	Proj Dev / Delivery
Preliminary Eng / Env Doc / Funding (\$70k)	16	7/1/2021	11/1/2022	15%	\$70,000
Final Design and ROW Acq (\$230k)	18	7/1/2024	1/1/2026	50%	\$230,000
Letting	2	1/1/2026	3/1/2026	0%	\$0
Construction Services (\$160k \$2.26M)	15	3/1/2026	6/1/2027	35%	\$160,000
TOTAL				100%	\$460,000



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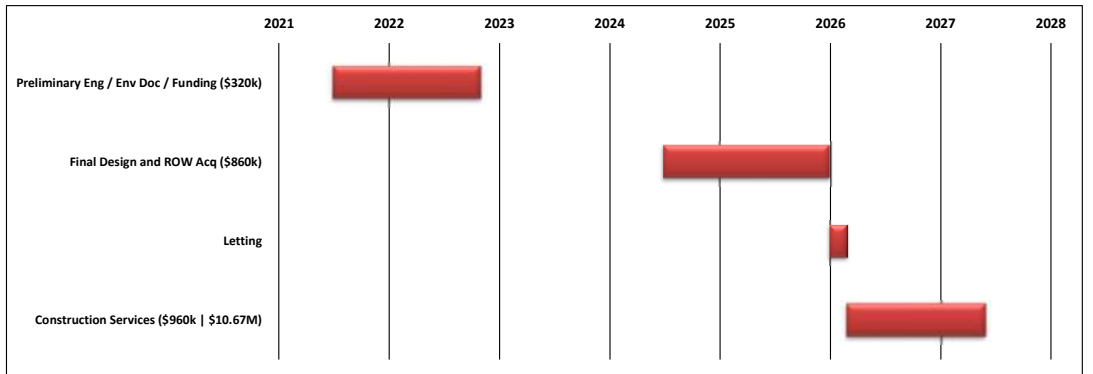
CSAH 10 Reconstruction
from East of Railroad Xing to W. Creek Lane (M3)



	2020 Dollars	2026 Dollars
Construction Cost	\$8,940,000	\$10,670,000
ROW Cost	\$855,800	\$1,020,000
Project Development and Delivery	\$1,790,000	\$2,140,000
Total Cost to Deliver Project	\$11,585,800	\$13,830,000

2026 Construction

Item	Duration (months)	Start Date	End Date	% of Proj Dev and Deliv	Proj Dev / Delivery
Preliminary Eng / Env Doc / Funding (\$320k)	16	7/1/2021	11/1/2022	15%	\$320,000
Final Design and ROW Acq (\$860k)	18	7/1/2024	1/1/2026	40%	\$860,000
Letting	2	1/1/2026	3/1/2026	0%	\$0
Construction Services (\$960k \$10.67M)	15	3/1/2026	6/1/2027	45%	\$960,000
TOTAL				100%	\$2,140,000



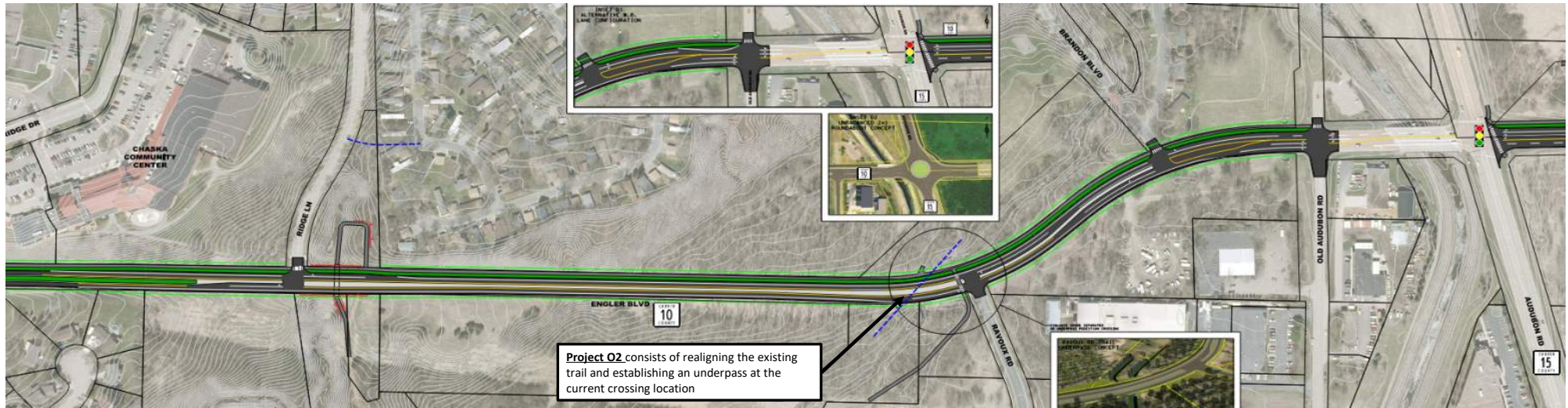
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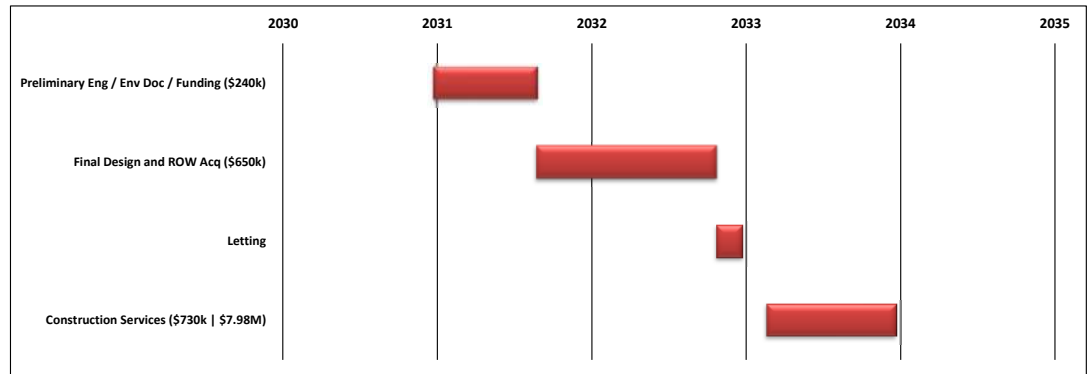
CSAH 10 Reconstruction from East of Park Ridge Drive to CSAH 61 (L1)



	2020 Dollars	2033 Dollars
Construction Cost	\$5,431,500	\$7,980,000
ROW Cost	\$107,500	\$160,000
Project Development and Delivery	\$1,100,000	\$1,620,000
Total Cost to Deliver Project	\$6,639,000	\$9,760,000

2033 Construction

Item	Duration (months)	Start Date	End Date	% of Proj Dev and Deliv	Proj Dev / Delivery
Preliminary Eng / Env Doc / Funding (\$240k)	8	1/1/2031	9/1/2031	15%	\$240,000
Final Design and ROW Acq (\$650k)	14	9/1/2031	11/1/2032	40%	\$650,000
Letting	2	11/1/2032	1/1/2033	0%	\$0
Construction Services (\$730k \$7.98M)	10	3/1/2033	1/1/2034	45%	\$730,000
TOTAL				100%	\$1,620,000



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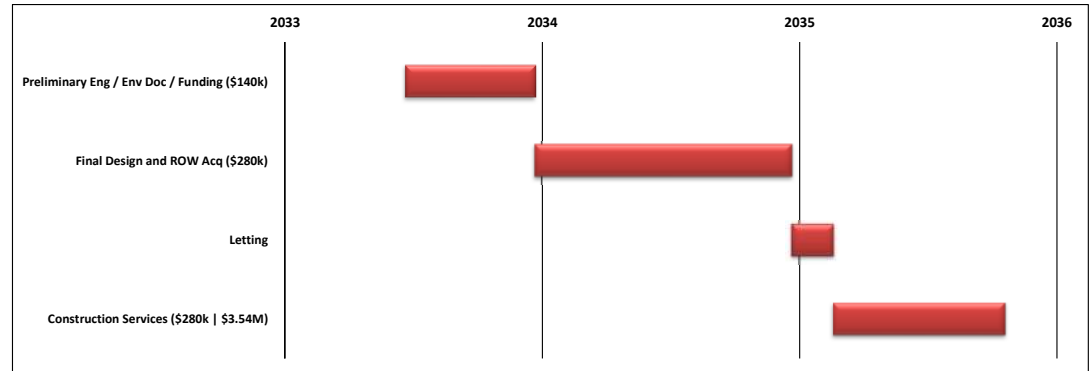
CSAH 10 Reconstruction from East of TH 212 Ramps to West of Bavaria Road (L2)



	2020 Dollars	2035 Dollars
Construction Cost	\$2,273,000	\$3,540,000
ROW Cost	\$20,000	\$30,000
Project Development and Delivery	\$450,000	\$700,000
Total Cost to Deliver Project	\$2,743,000	\$4,270,000

2035 Construction

Item	Duration (months)	Start Date	End Date	% of Proj Dev and Deliv	Proj Dev / Delivery
Preliminary Eng / Env Doc / Funding (\$140k)	6	7/1/2033	1/1/2034	20%	\$140,000
Final Design and ROW Acq (\$280k)	12	1/1/2034	1/1/2035	40%	\$280,000
Letting	2	1/1/2035	3/1/2035	0%	\$0
Construction Services (\$280k \$3.54M)	8	3/1/2035	11/1/2035	40%	\$280,000
TOTAL				100%	\$700,000



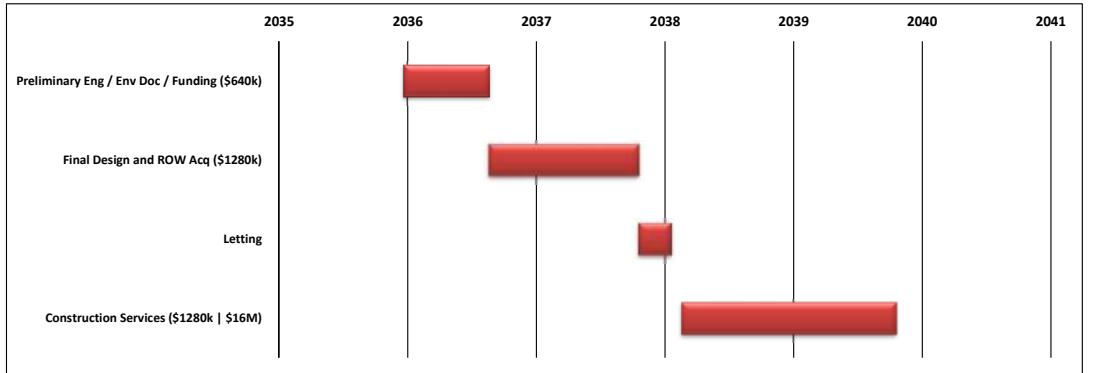
CSAH 10 Reconstruction from CSAH 43 West to East of Railroad Xing (L3)



	2020 Dollars	2038 Dollars
Construction Cost	\$9,400,000	\$16,000,000
ROW Cost	\$1,559,000	\$2,650,000
Project Development and Delivery	\$1,880,000	\$3,200,000
Total Cost to Deliver Project	\$12,839,000	\$21,850,000

2038 Construction

Item	Duration (months)	Start Date	End Date	% of Proj Dev and Deliv	Proj Dev / Delivery
Preliminary Eng / Env Doc / Funding (\$640k)	8	1/1/2036	9/1/2036	20%	\$640,000
Final Design and ROW Acq (\$1280k)	14	9/1/2036	11/1/2037	40%	\$1,280,000
Letting	3	11/1/2037	2/1/2038	0%	\$0
Construction Services (\$1280k \$16M)	20	3/4/2038	11/4/2039	40%	\$1,280,000
TOTAL				100%	\$3,200,000



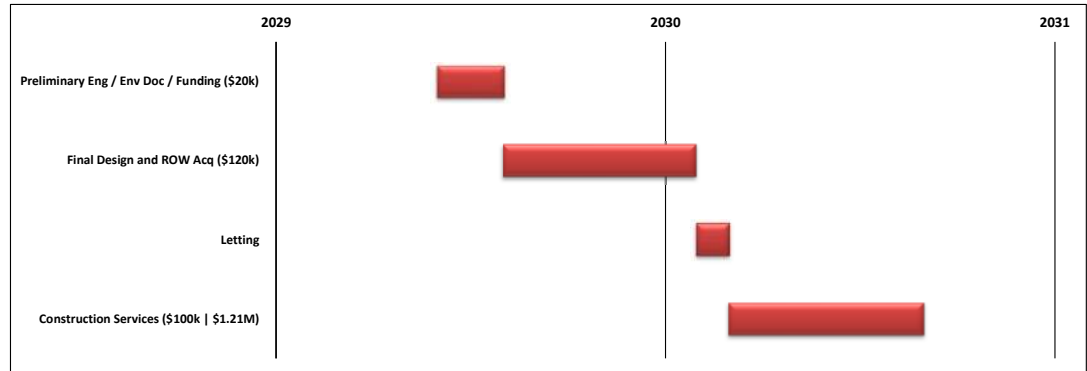
**Local Trail - City of Chaska
Ridge Lane to Ravoux Road**



	2020 Dollars	2030 Dollars
Construction Cost	\$900,000	\$1,210,000
ROW Cost	\$0	\$0
Project Development and Delivery	\$180,000	\$240,000
Total Cost to Deliver Project	\$1,080,000	\$1,450,000

2030 Construction

Item	Duration (months)	Start Date	End Date	% of Proj Dev and Deliv	Proj Dev / Delivery
Preliminary Eng / Env Doc / Funding (\$20k)	2	7/1/2029	9/1/2029	10%	\$20,000
Final Design and ROW Acq (\$120k)	6	9/1/2029	3/1/2030	50%	\$120,000
Letting	1	3/1/2030	4/1/2030	0%	\$0
Construction Services (\$100k \$1.21M)	6	4/1/2030	10/1/2030	40%	\$100,000
TOTAL				100%	\$240,000

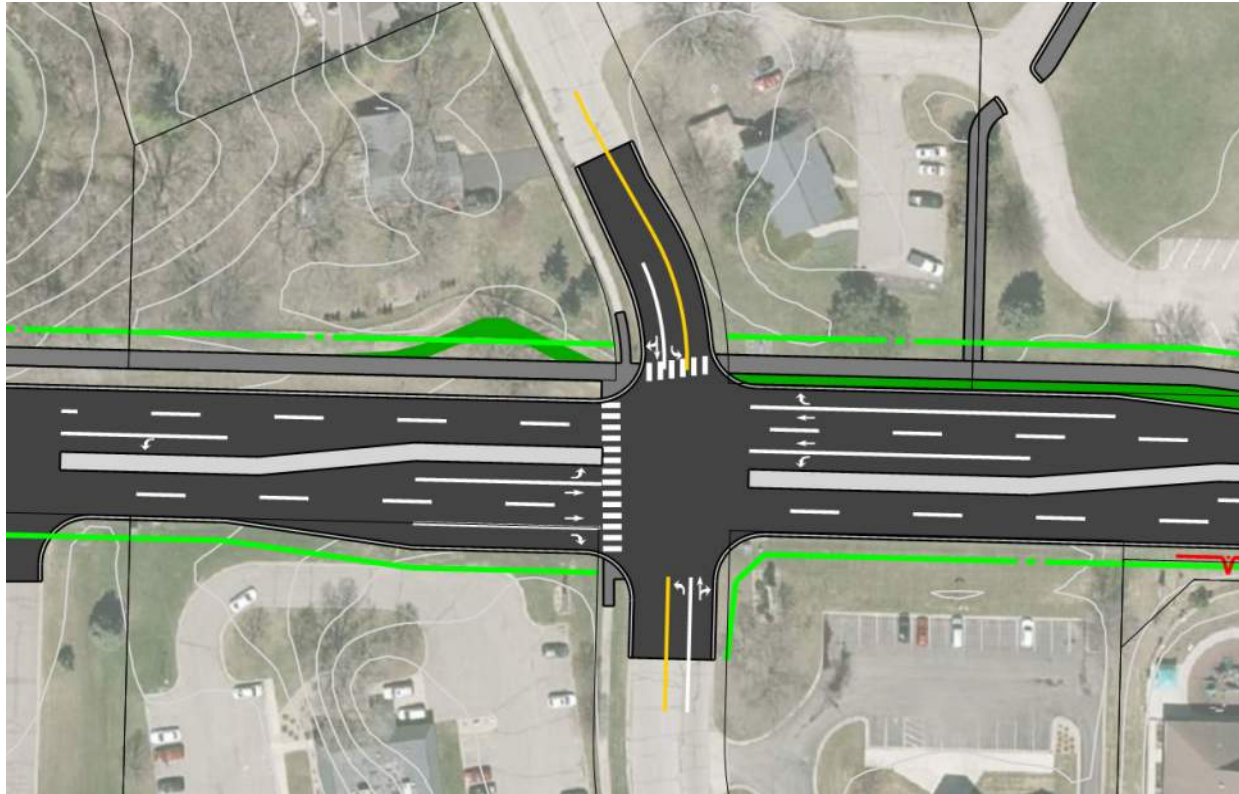


Highway 10 Corridor Study Victoria-Chaska Area

Implementation Plan

December 2020

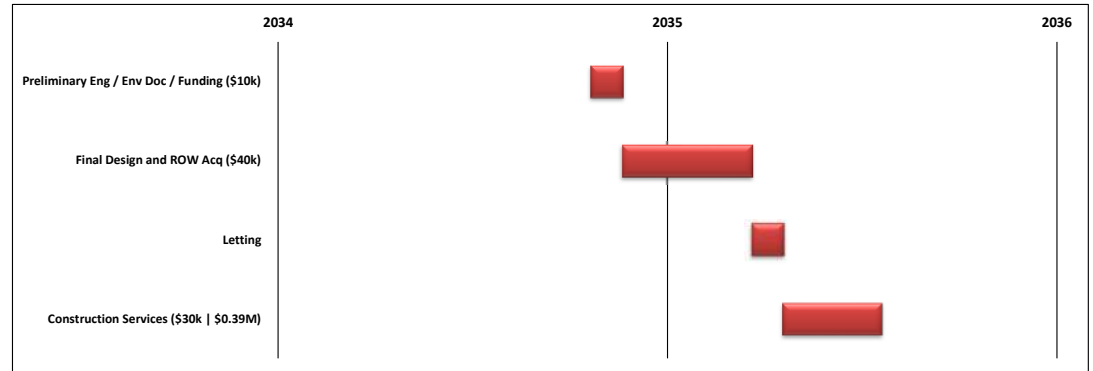
CSAH 10/White Oak Drive Intersection Traffic Signal Improvement



	2020 Dollars	2035 Dollars
Construction Cost	\$250,000	\$390,000
ROW Cost	\$0	\$0
Project Development and Delivery	\$50,000	\$80,000
Total Cost to Deliver Project	\$300,000	\$470,000

2035 Construction

Item	Duration (months)	Start Date	End Date	% of Proj Dev and Deliv	Proj Dev / Delivery
Preliminary Eng / Env Doc / Funding (\$10k)	1	11/1/2034	12/1/2034	10%	\$10,000
Final Design and ROW Acq (\$40k)	4	12/1/2034	4/1/2035	50%	\$40,000
Letting	1	4/1/2035	5/1/2035	0%	\$0
Construction Services (\$30k \$0.39M)	3	5/1/2035	8/1/2035	40%	\$30,000
TOTAL				100%	\$80,000



Highway 10 Corridor Study Victoria-Chaska Area
Funding Needed by Year to Deliver Key Projects
 December 2020



	Preliminary Design / Environmental Documentation / Funding	Final Design / ROW	Construction Services	ROW Cost	Construction Cost	TOTAL
2020	\$105,000	\$0	\$0	\$0	\$0	\$105,000
2021	\$405,000	\$140,000	\$0	\$0	\$0	\$545,000
2022	\$0	\$38,000	\$160,000	\$20,000	\$1,800,000	\$2,018,000
2023	\$70,000	\$190,000	\$0	\$0	\$0	\$260,000
2024	\$160,000	\$1,212,000	\$0	\$760,000	\$0	\$2,132,000
2025	\$110,000	\$650,000	\$660,000	\$1,100,000	\$7,210,000	\$9,730,000
2026	\$112,500	\$125,000	\$1,540,000	\$0	\$17,590,000	\$19,367,500
2027	\$17,500	\$235,000	\$0	\$300,000	\$0	\$552,500
2028	\$0	\$0	\$350,000	\$0	\$4,330,000	\$4,680,000
2029	\$190,000	\$0	\$0	\$0	\$0	\$190,000
2030	\$0	\$220,000	\$0	\$200,000	\$0	\$420,000
2031	\$240,000	\$195,000	\$220,000	\$0	\$3,230,000	\$3,885,000
2032	\$0	\$455,000	\$0	\$160,000	\$0	\$615,000
2033	\$140,000	\$0	\$730,000	\$0	\$7,980,000	\$8,850,000
2034	\$0	\$280,000	\$0	\$30,000	\$0	\$310,000
2035	\$0	\$0	\$280,000	\$0	\$3,540,000	\$3,820,000
2036	\$640,000	\$384,000	\$0	\$0	\$0	\$1,024,000
2037	\$0	\$896,000	\$0	\$2,650,000	\$0	\$3,546,000
2038	\$0	\$0	\$640,000	\$0	\$8,000,000	\$8,640,000
2039	\$0	\$0	\$640,000	\$0	\$8,000,000	\$8,640,000
TOTAL	\$2,190,000	\$5,020,000	\$5,220,000	\$5,220,000	\$61,680,000	\$79,330,000



Year	Projects														Totals
	S1	S2	S3	S4	S5	S6	S7	S8	M1	M2	M3	L1	L2	L3	
2020	\$ -	\$ 105,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 105,000
2021	\$ 190,000	\$ 35,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 320,000	\$ -	\$ -	\$ -	\$ 545,000
2022	\$ 1,980,000	\$ 38,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 2,018,000
2023	\$ -	\$ 190,000	\$ 40,000	\$ 30,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 260,000
2024	\$ -	\$ 702,000	\$ 180,000	\$ 230,000	\$ -	\$ -	\$ -	\$ -	\$ 90,000	\$ 70,000	\$ 860,000	\$ -	\$ -	\$ -	\$ 2,132,000
2025	\$ -	\$ 5,220,000	\$ 1,480,000	\$ 1,170,000	\$ 60,000	\$ -	\$ -	\$ 50,000	\$ 480,000	\$ 250,000	\$ 1,020,000	\$ -	\$ -	\$ -	\$ 9,730,000
2026	\$ -	\$ -	\$ -	\$ -	\$ 185,000	\$ 52,500	\$ -	\$ -	\$ 5,080,000	\$ 2,420,000	\$ 11,630,000	\$ -	\$ -	\$ -	\$ 19,367,500
2027	\$ -	\$ -	\$ -	\$ -	\$ 245,000	\$ 307,500	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 552,500
2028	\$ -	\$ -	\$ -	\$ -	\$ 3,240,000	\$ 1,440,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 4,680,000
2029	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 190,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 190,000
2030	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 420,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 420,000
2031	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 3,450,000	\$ -	\$ -	\$ -	\$ -	\$ 435,000	\$ -	\$ -	\$ 3,885,000
2032	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 615,000	\$ -	\$ -	\$ 615,000
2033	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 8,710,000	\$ 140,000	\$ -	\$ 8,850,000
2034	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 310,000	\$ -	\$ 310,000
2035	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 3,820,000	\$ -	\$ 3,820,000
2036	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,024,000	\$ 1,024,000
2037	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 3,546,000	\$ 3,546,000
2038	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 8,640,000	\$ 8,640,000
2039	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 8,640,000	\$ 8,640,000
2040	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
	\$ 2,170,000	\$ 6,290,000	\$ 1,700,000	\$ 1,430,000	\$ 3,730,000	\$ 1,800,000	\$ 4,060,000	\$ 50,000	\$ 5,650,000	\$ 2,740,000	\$ 13,830,000	\$ 9,760,000	\$ 4,270,000	\$ 21,850,000	\$ 79,330,000

CSAH 10 Corridor Improvements

East Area Project Area Costs w/ Funding Awarded



December 2020

Component	Construction Year	Construction	ROW	Engineering / Const. Admin.	Total	
CSAH 10/TH 41 Roadway Expansion Regional Solicitation Funds Awarded		2025	\$13,830,000	\$1,240,000	\$2,780,000	\$17,850,000
Regional Solicitation Funds		\$7,000,000	\$0	\$0	\$7,000,000	
MnDOT		\$879,060	\$60,000	\$390,000	\$1,329,060	
Carver County		\$3,955,770	\$590,000	\$1,940,000	\$6,485,770	
City of Chaska		\$1,995,170	\$590,000	\$450,000	\$3,035,170	
TH 41 North Pedestrian Underpass SRTS Funds Awarded		2025	\$1,400,000	\$80,000	\$280,000	\$1,760,000
Regional Solicitation Funds		\$933,360	\$0	\$0	\$933,360	
MnDOT		\$0	\$0	\$0	\$0	
Carver County		\$233,320	\$40,000	\$140,000	\$413,320	
City of Chaska		\$233,320	\$40,000	\$140,000	\$413,320	
Ridge Drive to CSAH 61 Improvements		2033	\$6,950,000	\$160,000	\$1,390,000	\$8,500,000
Carver County		\$5,400,000	\$80,000	\$1,240,000	\$6,720,000	
City of Chaska		\$1,550,000	\$80,000	\$150,000	\$1,780,000	
Ridge Drive Pedestrian Underpass		2033	\$1,020,000	\$0	\$220,000	\$1,240,000
Carver County		\$510,000	\$0	\$110,000	\$620,000	
City of Chaska		\$510,000	\$0	\$110,000	\$620,000	
Victoria Drive to Prescott Lane Improvements		2035	\$3,540,000	\$40,000	\$700,000	\$4,280,000
MnDOT	NHPP/BF	\$0	\$0	\$0	\$0	
Carver County		\$2,450,000	\$20,000	\$640,000	\$3,110,000	
City of Chaska		\$1,090,000	\$20,000	\$60,000	\$1,170,000	
Total Investment			\$26,740,000	\$1,520,000	\$5,370,000	\$33,630,000
Regional Solicitation Funds		\$7,933,360	\$0	\$0	\$7,933,360	
MnDOT		\$879,060	\$60,000	\$390,000	\$1,329,060	
Carver County		\$12,549,090	\$730,000	\$4,070,000	\$17,349,090	
City of Chaska		\$5,378,490	\$730,000	\$910,000	\$7,018,490	

Notes:

1. All costs shown in construction year dollars at 3% inflation.
2. ROW costs subject to change during final design



CSAH 10 Corridor Improvements

East Area Project Area Costs

December 2020



Component	Construction Year	Construction	ROW	Engineering / Const. Admin.	Total	Total (Project Year Dollars at 3% Inflation)
TH 41 Intersection Improvements						
	2025	\$4,260,400	\$490,710	\$850,010	\$5,601,120	\$6,490,000
MnDOT		\$1,534,650	\$49,070	\$337,430	\$1,921,150	\$2,230,000
Carver County		\$2,045,550	\$220,820	\$466,030	\$2,732,400	\$3,170,000
City of Chaska		\$680,200	\$220,820	\$46,550	\$947,570	\$1,100,000
TH 41 North Pedestrian Underpass						
	2025	\$1,200,000	\$66,300	\$250,000	\$1,516,300	\$1,760,000
MnDOT		\$0	\$0	\$0	\$0	\$0
Carver County		\$600,000	\$33,150	\$125,000	\$758,150	\$880,000
City of Chaska		\$600,000	\$33,150	\$125,000	\$758,150	\$880,000
TH 41 East Pedestrian Underpass						
	2025	\$950,000	\$124,100	\$200,000	\$1,274,100	\$1,480,000
MnDOT		\$0	\$0	\$0	\$0	\$0
Carver County		\$475,000	\$62,050	\$100,000	\$637,050	\$740,000
City of Chaska		\$475,000	\$62,050	\$100,000	\$637,050	\$740,000
Bavaria Road Intersection Improvements						
	2028	\$2,658,600	\$110,000	\$550,000	\$3,318,600	\$4,200,000
Carver County		\$1,624,800	\$55,000	\$437,800	\$2,117,600	\$2,680,000
City of Chaska		\$1,033,800	\$55,000	\$112,200	\$1,201,000	\$1,520,000
Fire Station Segment Improvements						
	2028	\$1,194,100	\$160,600	\$250,010	\$1,604,710	\$2,030,000
Carver County		\$971,600	\$80,300	\$224,940	\$1,276,840	\$1,620,000
City of Chaska		\$222,500	\$80,300	\$25,070	\$327,870	\$420,000
Park Ridge Drive Intersection Improvements						
	2031	\$2,869,200	\$175,900	\$550,010	\$3,595,110	\$4,980,000
Carver County		\$1,791,500	\$87,950	\$445,640	\$2,325,090	\$3,220,000
City of Chaska		\$1,077,700	\$87,950	\$104,370	\$1,270,020	\$1,760,000
Ridge Drive to CSAH 61 Improvements						
	2033	\$4,731,600	\$107,500	\$950,000	\$5,789,100	\$8,500,000
MnDOT	NHPP/BF	\$0	\$0	\$0	\$0	\$0
Carver County		\$3,676,800	\$53,750	\$844,800	\$4,575,350	\$6,720,000
City of Chaska		\$1,054,800	\$53,750	\$105,200	\$1,213,750	\$1,780,000
Ridge Drive Pedestrian Underpass						
	2033	\$700,000	\$0	\$150,000	\$850,000	\$1,250,000
MnDOT	NHPP/BF	\$0	\$0	\$0	\$0	\$0
Carver County		\$350,000	\$0	\$75,000	\$425,000	\$620,000
City of Chaska		\$350,000	\$0	\$75,000	\$425,000	\$620,000
Victoria Drive to Prescott Lane Improvements						
	2035	\$2,273,400	\$20,000	\$450,000	\$2,743,400	\$4,270,000
Carver County		\$1,571,600	\$10,000	\$411,300	\$1,992,900	\$3,100,000
City of Chaska		\$701,800	\$10,000	\$38,700	\$750,500	\$1,170,000
Total Investment		\$20,837,300	\$1,255,110	\$4,200,030	\$26,292,440	
MnDOT		\$1,534,650	\$49,070	\$337,430	\$1,921,150	
Carver County		\$13,106,850	\$603,020	\$3,130,510	\$16,840,380	
City of Chaska		\$6,195,800	\$603,020	\$732,090	\$7,530,910	

Notes:

1. All costs shown in 2020 dollars unless otherwise noted.
2. ROW costs subject to change during final design



CSAH 10 Corridor Improvements

Regional Solicitation Funding Plan

December 2020



DRAFT

Component	Construction Year	Construction	ROW	Engineering / Const. Admin.	Total	
CSAH 10/TH 41 Roadway Expansion		2025	\$13,830,000	\$1,240,000	\$2,780,000	\$17,850,000
MnDOT		\$1,780,000	\$60,000	\$390,000	\$2,230,000	
Carver County		\$8,010,000	\$590,000	\$1,940,000	\$10,540,000	
City of Chaska		\$4,040,000	\$590,000	\$450,000	\$5,080,000	
CSAH 10/TH 41 Roadway Expansion Regional Solicitation Funds Awarded		2025	\$13,830,000	\$1,240,000	\$2,780,000	\$17,850,000
Regional Solicitation Funds		\$7,000,000	\$0	\$0	\$7,000,000	
MnDOT		\$879,060	\$60,000	\$390,000	\$1,329,060	
Carver County		\$3,955,770	\$590,000	\$1,940,000	\$6,485,770	
City of Chaska		\$1,995,170	\$590,000	\$450,000	\$3,035,170	
TH 41 North Pedestrian Underpass SRTS		2025	\$1,400,000	\$80,000	\$280,000	\$1,760,000
MnDOT		\$0	\$0	\$0	\$0	
Carver County		\$700,000	\$40,000	\$140,000	\$880,000	
City of Chaska		\$700,000	\$40,000	\$140,000	\$880,000	
TH 41 North Pedestrian Underpass SRTS Funds Awarded		2025	\$1,400,000	\$80,000	\$280,000	\$1,760,000
Regional Solicitation Funds		\$933,360	\$0	\$0	\$933,360	
MnDOT		\$0	\$0	\$0	\$0	
Carver County		\$233,320	\$40,000	\$140,000	\$413,320	
City of Chaska		\$233,320	\$40,000	\$140,000	\$413,320	
Total Investment No Funding Awarded			\$15,230,000	\$1,320,000	\$3,060,000	\$19,610,000
MnDOT		\$1,780,000	\$60,000	\$390,000	\$2,230,000	
Carver County		\$8,710,000	\$630,000	\$2,080,000	\$11,420,000	
City of Chaska		\$4,740,000	\$630,000	\$590,000	\$5,960,000	
Total Investment All Requested Funding Awarded			\$15,230,000	\$1,320,000	\$3,060,000	\$19,610,000
Requested Funding		\$7,933,360	\$0	\$0	\$7,933,360	
MnDOT		\$879,060	\$60,000	\$390,000	\$1,329,060	
Carver County		\$4,189,090	\$630,000	\$2,080,000	\$6,899,090	
City of Chaska		\$2,228,490	\$630,000	\$590,000	\$3,448,490	

Notes:

1. All costs shown in construction year dollars at 3% inflation.
2. ROW costs subject to change during final design



CSAH 11 Improvements Project - Urban Section N of Tracks (S1)

Carver County

1/22/2021



Real People. Real Solutions.

Item	Unit	Total Qty	Unit Price	Total Cost
MAJOR ROADWAY ITEMS (NOTES 1-2)				
REMOVE BITUMINOUS PAVEMENT	SY	6,779	\$ 4.00	\$ 27,200
SAWING BITUMINOUS PAVEMENT (FULL DPETH)	LF	3,360	\$ 3.00	\$ 10,100
MILL BITUMINOUS SURFACE	SY	7,483	\$ 5.00	\$ 37,500
EXCAVATION - COMMON	CY	8,495	\$ 7.00	\$ 59,500
COMMON EMBANKMENT (CV)	CY	2,835	\$ 4.00	\$ 11,400
AGGREGATE BASE (CV) CLASS 5Q	CY	3,567	\$ 29.00	\$ 103,500
SELECT GRANULAR EMBANKMENT (CV)	CY	3,826	\$ 18.00	\$ 68,900
TYPE SP 9.5 WEARING COURSE MIX (4,C)	TONS	462	\$ 65.00	\$ 30,100
TYPE SP 12.5 WEARING COURSE MIX (4,C)	TONS	4,214	\$ 55.00	\$ 231,800
PEDESTRIAN RAMP	EACH	6	\$ 1,500.00	\$ 9,000
CURB AND GUTTER B424	LF	8,396	\$ 20.00	\$ 168,000
4" CONCRETE WALK	SF	24,822	\$ 5.00	\$ 124,200
Subtotal				\$ 881,000
All Roadway Construction Subtotal				\$ 881,000
SPECIAL LUMP SUM CONSTRUCTION ITEMS				
CITY UTILITIES (WATERMAIN/SANITARY/ELECTRIC)	LS			\$ -
URBAN DRAINAGE	LS	1	\$ 379,000.00	\$ 379,000
Subtotal				\$ 379,000
PERCENTAGE ITEMS				
MOBILIZATION		5%	of all roadway	\$ 63,000
MISC REMOVALS (CURB, SIGNS, TREES, ETC.)		5%	of all roadway	\$ 44,100
SIGNING & PAVEMENT MARKINGS		3%	of all roadway	\$ 26,500
TURF ESTABLISHMENT AND EROSION CONTROL		5%	of all roadway	\$ 47,200
LANDSCAPING/STREETScape		3%	of all roadway	\$ 23,200
TRAFFIC CONTROL/STAGING		5%	of all roadway	\$ 45,400
CONTINGENCY FOR MISSING ITEMS		20%	of all roadway	\$ 185,700
Subtotal				\$ 435,000
Construction Cost (2020 Dollars)				\$ 1,700,000
Anticipated Right-of-Way Cost (2020 Dollars)				\$ 22,000
Engineering Cost (2020 Dollars)				\$ 340,000
Total Cost (2020 Dollars)				\$ 2,062,000

Notes:

- Pavement section assumed is 6 inch bituminous pavement, 12 inch aggregate base, and 18 inch sand.
- Trail pavement section assumed is 2.5 inch bituminous pavement and 4 inch aggregate base.

Hwy 10 Improvements: TH 41 Intersection Improvements (\$2)

Carver County

1/22/2021

Item	Unit	Total Qty	Unit Price	Total Cost
MAJOR ROADWAY ITEMS (NOTES 1-3)				
REMOVE BITUMINOUS PAVEMENT	SY	9,414	\$ 4.00	\$ 37,700
REMOVE CONCRETE MEDIAN/WALK	SF	27,682	\$ 3.00	\$ 83,100
REMOVE CURB AND GUTTER	LF	11,255	\$ 4.00	\$ 45,100
EXCAVATION - COMMON	CY	25,129	\$ 8.00	\$ 201,100
COMMON EMBANKMENT (CV)	CY	26,389	\$ 4.00	\$ 105,600
AGGREGATE BASE (CV) CLASS 5Q	CY	5,382	\$ 31.00	\$ 166,900
SELECT GRANULAR EMBANKMENT (CV)	CY	12,230	\$ 19.00	\$ 232,400
TYPE SP 9.5 WEARING COURSE MIX (4,F)	TONS	315	\$ 80.00	\$ 25,200
TYPE SP 12.5 WEARING COURSE MIX (4,F)	TONS	10,770	\$ 44.00	\$ 473,900
CURB AND GUTTER B424	LF	15,530	\$ 21.00	\$ 326,200
4" CONCRETE WALK	SF	47,730	\$ 5.00	\$ 238,700
Subtotal				\$ 1,935,900
STRUCTURAL ITEMS				
MODULAR BLOCK RETAINING WALL	SF	2,470	\$ 65.00	\$ 160,600
Subtotal				\$ 161,000
All Roadway Construction Subtotal				
				\$ 2,096,900
SPECIAL LUMP SUM CONSTRUCTION ITEMS				
REMOVE SIGNAL SYSTEM	LS	1	\$ 10,000.00	\$ 10,000
TRAFFIC SIGNAL SYSTEM	LS	1	\$ 300,000.00	\$ 300,000
WHITE OAK DRIVE OVERHEAD RRFB SYSTEM	LS	1	\$ 125,000.00	\$ 125,000
CITY UTILITIES (WATERMAIN/SANITARY/ELECTRIC)	LS	1	\$ 350,000.00	\$ 350,000
LIGHTING	LS	1	\$ 80,000.00	\$ 80,000
(4) URBAN DRAINAGE	LS	1	\$ 417,000.00	\$ 417,000
Subtotal				\$ 1,282,000
PERCENTAGE ITEMS				
MOBILIZATION		5%	of all roadway	\$ 104,900
MISC REMOVALS (CURB, SIGNS, TREES, ETC.)		2%	of all roadway	\$ 31,500
SIGNING & PAVEMENT MARKINGS		3%	of all roadway	\$ 63,000
TURF ESTABLISHMENT AND EROSION CONTROL		5%	of all roadway	\$ 104,900
LANDSCAPING/STREETSCAPE		3%	of all roadway	\$ 52,500
TRAFFIC CONTROL/STAGING		5%	of all roadway	\$ 104,900
CONTINGENCY FOR MISSING ITEMS		20%	of all roadway	\$ 419,400
Subtotal				\$ 881,100
Construction Cost (2020 Dollars)				\$ 4,260,000
Anticipated Right-of-Way Cost (2020 Dollars)				\$ 490,700
Engineering Cost (2020 Dollars)				\$ 850,000
Total Cost (2020 Dollars)				\$ 5,600,700
Construction Cost (2025 Dollars)				\$ 4,940,000
Anticipated Right-of-Way Cost (2025 Dollars)				\$ 580,000
Engineering Cost (2025 Dollars)				\$ 980,000
Total Cost (2025 Dollars)				\$ 6,500,000

Cost Participation		
MnDOT	Carver County	Chaska
\$ 4,700	\$ 32,600	\$ 500
\$ 83,100	\$ -	\$ -
\$ 40,600	\$ 4,500	\$ -
\$ 17,700	\$ 183,300	\$ 100
\$ 8,300	\$ 95,300	\$ 2,000
\$ 48,400	\$ 115,500	\$ 3,000
\$ 66,700	\$ 160,100	\$ 5,600
\$ 2,600	\$ 11,300	\$ 11,300
\$ 177,200	\$ 292,400	\$ 4,300
\$ 195,100	\$ 57,900	\$ 73,200
\$ 187,900	\$ 36,000	\$ 14,800
\$ 832,300	\$ 988,900	\$ 114,800

	\$ 160,600	
\$ -	\$ 160,600	\$ -

\$ 832,300	\$ 1,149,500	\$ 114,800
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\$ 5,000	\$ 5,000	
\$ 150,000	\$ 150,000	
	\$ 62,500	\$ 62,500
		\$ 350,000
	\$ 20,000	\$ 60,000
\$ 208,500	\$ 208,500	\$ -
\$ 363,500	\$ 446,000	\$ 472,500

\$ 41,700	\$ 57,600	\$ 5,800
\$ 15,750	\$ 15,750	
\$ 31,500	\$ 31,500	
\$ 41,700	\$ 57,600	\$ 5,800
		\$ 52,500
\$ 41,700	\$ 57,600	\$ 5,800
\$ 166,500	\$ 230,000	\$ 23,000
\$ 338,850	\$ 450,050	\$ 92,900

\$ 1,534,650	\$ 2,045,550	\$ 680,200
\$ 49,070	\$ 220,820	\$ 220,820
\$ 337,430	\$ 466,030	\$ 46,550
\$ 1,921,150	\$ 2,732,400	\$ 947,570
\$ 1,780,000	\$ 2,370,000	\$ 790,000
\$ 60,000	\$ 260,000	\$ 260,000
\$ 390,000	\$ 540,000	\$ 50,000
\$ 2,230,000	\$ 3,170,000	\$ 1,100,000

Notes:

- 2" Bituminous overlay is assumed for all existing pavement on TH 41.
- 10 inch bituminous pavement, 12 inch aggregate and 24 inch base is assumed for all new pavement.
- Trail pavement section assumed is 3 inch bituminous pavement and 4 inch aggregate base.
- Urban Drainage lump sum item includes all storm sewer pipe, structures and excavation of ponds.

Hwy 10 Improvements: TH 41 North Underpass (S3)

Carver County

1/22/2021



Item	Unit	Total Qty	Unit Price	Total Cost
MAJOR ROADWAY ITEMS (1)				
EXCAVATION - COMMON	CY	2,688	\$ 8.00	\$ 21,600
COMMON EMBANKMENT (CV)	CY	228	\$ 4.00	\$ 1,000
AGGREGATE BASE (CV) CLASS 5Q	CY	191	\$ 31.00	\$ 6,000
TYPE SP 9.5 WEARING COURSE MIX (4,F)	TONS	223	\$ 80.00	\$ 17,900
Subtotal				\$ 47,000
STRUCTURAL ITEMS				
(2) BIKE UNDERPASS	SF	1,820	\$ 175.00	\$ 318,500
MODULAR BLOCK RETAINING WALL	SF	1,045	\$ 65.00	\$ 68,000
CAST-IN-PLACE WALLS	SF	3,025	\$ 125.00	\$ 378,200
Subtotal				\$ 765,000
All Roadway Construction Subtotal				\$ 812,000
SPECIAL LUMP SUM CONSTRUCTION ITEMS				
LIGHTING	LS	1	\$ 25,000.00	\$ 25,000
(3) URBAN DRAINAGE	LS	1	\$ 20,000.00	\$ 20,000
Subtotal				\$ 45,000
PERCENTAGE ITEMS				
MOBILIZATION		5%	of all roadway	\$ 40,600
MISC REMOVALS (CURB, SIGNS, TREES, ETC.)		3%	of all roadway	\$ 24,400
SIGNING & PAVEMENT MARKINGS		2%	of all roadway	\$ 16,300
TURF ESTABLISHMENT AND EROSION CONTROL		5%	of all roadway	\$ 40,600
LANDSCAPING/STREETSCAPE		2%	of all roadway	\$ 16,300
TRAFFIC CONTROL/STAGING		2%	of all roadway	\$ 16,300
CONTINGENCY FOR MISSING ITEMS		20%	of all roadway	\$ 162,400
Subtotal				\$ 317,000
Construction Cost (2020 Dollars)				\$ 1,200,000
Anticipated Right-of-Way Cost (2020 Dollars)				\$ 66,300
Engineering Cost (2020 Dollars)				\$ 250,000
Total Cost (2020 Dollars)				\$ 1,516,300
Construction Cost (2025 Dollars)				\$ 1,400,000
Anticipated Right-of-Way Cost (2025 Dollars)				\$ 80,000
Engineering Cost (2025 Dollars)				\$ 280,000
Total Cost (2025 Dollars)				\$ 1,760,000

Cost Participation		
MnDOT	Carver County	Chaska
\$ -	\$ -	\$ -

\$ -	\$ -	\$ -

\$ -	\$ -	\$ -
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\$ -	\$ -	\$ -

\$ -	\$ -	\$ -

	\$ 600,000	\$ 600,000
	\$ 33,150	\$ 33,150
	\$ 125,000	\$ 125,000
	\$ 758,150	\$ 758,150
	\$ 700,000	\$ 700,000
	\$ 40,000	\$ 40,000
	\$ 140,000	\$ 140,000
	\$ 880,000	\$ 880,000

Notes:

- Trail pavement section assumed is 3 inch bituminous pavement and 4 inch aggregate base.
- 10' x 14' underpass box culvert assumed with 3' minimum surface cover.
- Urban Drainage lump sum item includes all storm sewer pipe, structures and excavation of ponds.

Hwy 10 Improvements: TH 41 East Underpass (S4)

Carver County

1/22/2021



Item	Unit	Total Qty	Unit Price	Total Cost
MAJOR ROADWAY ITEMS (1)				
EXCAVATION - COMMON	CY	11,014	\$ 8.00	\$ 88,200
COMMON EMBANKMENT (CV)	CY	211	\$ 4.00	\$ 900
AGGREGATE BASE (CV) CLASS 5Q	CY	143	\$ 31.00	\$ 4,500
TYPE SP 9.5 WEARING COURSE MIX (4,F)	TONS	167	\$ 80.00	\$ 13,400
Subtotal				\$ 107,000
STRUCTURAL ITEMS				
(2) BIKE UNDERPASS	SF	1,890	\$ 200.00	\$ 378,000
MODULAR BLOCK RETAINING WALL	SF	2,926	\$ 65.00	\$ 190,200
Subtotal				\$ 568,000
All Roadway Construction Subtotal				\$ 675,000
SPECIAL LUMP SUM CONSTRUCTION ITEMS				
LIGHTING	LS	1	\$ 25,000.00	\$ 25,000
(3) URBAN DRAINAGE	LS	1	\$ 20,000.00	\$ 20,000
Subtotal				\$ 45,000
PERCENTAGE ITEMS				
MOBILIZATION		5%	of all roadway	\$ 33,800
MISC REMOVALS (CURB, SIGNS, TREES, ETC.)		2%	of all roadway	\$ 10,200
SIGNING & PAVEMENT MARKINGS		1%	of all roadway	\$ 6,800
TURF ESTABLISHMENT AND EROSION CONTROL		3%	of all roadway	\$ 20,300
LANDSCAPING/STREETSCAPE		1%	of all roadway	\$ 6,800
TRAFFIC CONTROL/STAGING		0%	of all roadway	\$ -
CONTINGENCY FOR MISSING ITEMS		20%	of all roadway	\$ 135,000
Subtotal				\$ 213,000
Construction Cost (2020 Dollars)				\$ 950,000
Anticipated Right-of-Way Cost (2020 Dollars)				\$ 124,100
Engineering Cost (2020 Dollars)				\$ 200,000
Total Cost (2020 Dollars)				\$ 1,274,100
Construction Cost (2025 Dollars)				\$ 1,100,000
Anticipated Right-of-Way Cost (2025 Dollars)				\$ 140,000
Engineering Cost (2025 Dollars)				\$ 240,000
Total Cost (2025 Dollars)				\$ 1,480,000

Cost Participation		
MnDOT	Carver County	Chaska
	\$ 44,100.00	\$ 44,100.00
	\$ 450.00	\$ 450.00
	\$ 2,250.00	\$ 2,250.00
	\$ 6,700.00	\$ 6,700.00
\$ -	\$ 53,500.00	\$ 53,500.00

	\$ 189,000.00	\$ 189,000.00
	\$ 95,100.00	\$ 95,100.00
\$ -	\$ 284,100.00	\$ 284,100.00

\$ -	\$ 53,500.00	\$ 53,500.00
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	\$ 12,500.00	\$ 12,500.00
	\$ 10,000.00	\$ 10,000.00
\$ -	\$ 22,500.00	\$ 22,500.00

	\$ 16,900.00	\$ 16,900.00
	\$ 5,100.00	\$ 5,100.00
	\$ 3,400.00	\$ 3,400.00
	\$ 10,150.00	\$ 10,150.00
	\$ 3,400.00	\$ 3,400.00
	\$ -	\$ -
	\$ 67,500.00	\$ 67,500.00
\$ -	\$ 106,450.00	\$ 106,450.00

	\$ 475,000.00	\$ 475,000.00
	\$ 62,050.00	\$ 62,050.00
	\$ 100,000.00	\$ 100,000.00
\$ -	\$ 637,050	\$ 637,050
	\$ 550,000.00	\$ 550,000.00
	\$ 70,000.00	\$ 70,000.00
	\$ 120,000.00	\$ 120,000.00
\$ -	\$ 740,000	\$ 740,000

Notes:

- Trail pavement section assumed is 3 inch bituminous pavement and 4 inch aggregate base.
- 10' x 14' underpass box culvert assumed with 3' minimum surface cover.
- Urban Drainage lump sum item includes all storm sewer pipe, structures and excavation of ponds.

CSAH 10/11 Intersection Improvements (M1)

Carver County

1/22/2021



Item	Unit	Total Qty	Unit Price	Total Cost
MAJOR ROADWAY ITEMS (1)				
REMOVE BITUMINOUS PAVEMENT	SY	19,966	\$ 4.00	\$ 79,900
SAWING BITUMINOUS PAVEMENT (FULL DPETH)	LF	3,792	\$ 3.00	\$ 11,400
REMOVE CURB AND GUTTER	LF	1,500	\$ 4.00	\$ 6,000
EXCAVATION - COMMON	CY	15,030	\$ 11.00	\$ 165,400
COMMON EMBANKMENT (CV)	CY	2,121	\$ 11.00	\$ 23,400
AGGREGATE BASE (CV) CLASS 5Q	CY	7,761	\$ 31.00	\$ 240,600
SELECT GRANULAR EMBANKMENT (CV)	CY	9,163	\$ 19.00	\$ 174,100
TYPE SP 9.5 WEARING COURSE MIX (4,F)	TONS	153	\$ 80.00	\$ 12,300
TYPE SP 12.5 WEARING COURSE MIX (4,F)	TONS	10,460	\$ 70.00	\$ 732,300
PEDESTRIAN RAMP	EACH	4	\$ 3,000.00	\$ 12,000
CURB AND GUTTER B424	LF	10,287	\$ 25.00	\$ 257,200
4" CONCRETE WALK	SF	15,424	\$ 10.00	\$ 154,300
Subtotal				\$ 1,869,000
All Roadway Construction Subtotal				
				\$ 1,869,000
SPECIAL LUMP SUM CONSTRUCTION ITEMS				
REMOVE TRAFFIC SIGNAL SYSTEM	LS	1	\$ 10,000.00	\$ 10,000
TRAFFIC SIGNAL SYSTEM	LS	1	\$ 330,000.00	\$ 330,000
URBAN DRAINAGE	LS	1	\$ 450,000.00	\$ 450,000
Subtotal				\$ 790,000
PERCENTAGE ITEMS				
MOBILIZATION		5%	of all roadway	\$ 133,000
MISC REMOVALS (CURB, SIGNS, TREES, ETC.)		5%	of all roadway	\$ 133,000
SIGNING & PAVEMENT MARKINGS		4%	of all roadway	\$ 106,400
TURF ESTABLISHMENT AND EROSION CONTROL		5%	of all roadway	\$ 133,000
LANDSCAPING/STREETSCAPE		3%	of all roadway	\$ 66,500
TRAFFIC CONTROL/STAGING		6%	of all roadway	\$ 159,600
CONTINGENCY FOR MISSING ITEMS		20%	of all roadway	\$ 531,800
Subtotal				\$ 1,263,000
Construction Cost (2020 Dollars)				\$ 3,900,000
Anticipated Right-of-Way Cost (2020 Dollars)				\$ 50,000
Engineering Cost (2020 Dollars)				\$ 780,000
Total Cost (2020 Dollars)				\$ 4,730,000

Cost Participation		
MnDOT	Carver County	Victoria
	\$ 165,400.00	
	\$ 23,400.00	
	\$ 240,600.00	
	\$ 174,100.00	
	\$ 12,300.00	
	\$ 732,300.00	
	\$ 12,000.00	
	\$ 257,200.00	
	\$ 154,300.00	
\$ -	\$1,869,000.00	\$ -

\$ -	\$1,869,000.00	\$ -
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	\$ 10,000.00	
	\$ 330,000.00	
	\$ 450,000.00	
\$ -	\$ 790,000.00	\$ -

	\$ 133,000.00	
	\$ 133,000.00	
	\$ 106,400.00	
	\$ 133,000.00	
	\$ 66,500.00	
	\$ 159,600.00	
	\$ 531,800.00	
\$ -	\$1,263,000.00	\$ -

	\$3,900,000.00	
	\$ 25,000.00	\$ 25,000.00
	\$ 780,000.00	
\$ -	\$4,705,000.00	\$ 25,000

Notes:

- Pavement section assumed is 10 inch bituminous pavement, 12 inch aggregate base, and 12 inch sand.
- Trail pavement section assumed is 2.5 inch bituminous pavement and 4 inch aggregate base.
- Drainage lump sum item includes all storm sewer pipe, structures and excavation of ponds.

CSAH 11 Improvements Project - Urban Section (M2)

Carver County

1/22/2021



Item	Unit	Total Qty	Unit Price	Total Cost	Carver County	City/ Developer	Notes:
MAJOR ROADWAY ITEMS (NOTES 1-2)							
REMOVE BITUMINOUS PAVEMENT	SY	13,847	\$ 4.00	\$ 55,400	\$ 55,400	\$ -	
SAWING BITUMINOUS PAVEMENT (FULL DPETH)	LF	6,000	\$ 3.00	\$ 18,000	\$ 18,000	\$ -	
REMOVE CURB AND GUTTER	LF	1,459	\$ 4.00	\$ 5,900	\$ 5,900	\$ -	
REMOVE CONCRETE MEDIAN	SF	5,500	\$ 3.50	\$ 19,300	\$ 19,300	\$ -	
MILL BITUMINOUS SURFACE	SY	10,291	\$ 5.00	\$ 51,500	\$ 51,500	\$ -	
EXCAVATION - COMMON	CY	4,195	\$ 8.00	\$ 33,600	\$ 23,845	\$ 9,755	
COMMON EMBANKMENT (CV)	CY	13,860	\$ 4.00	\$ 55,500	\$ 39,387	\$ 16,113	
AGGREGATE BASE (CV) CLASS 5Q	CY	10,348	\$ 31.00	\$ 320,800	\$ 227,667	\$ 93,133	
SELECT GRANULAR EMBANKMENT (CV)	CY	8,217	\$ 19.00	\$ 156,200	\$ 110,853	\$ 45,347	
TYPE SP 9.5 WEARING COURSE MIX (4,C)	TONS	965	\$ 65.00	\$ 62,800	\$ 31,400	\$ 31,400	
TYPE SP 12.5 WEARING COURSE MIX (4,C)	TONS	8,236	\$ 55.00	\$ 453,000	\$ 321,487	\$ 131,513	
PEDESTRIAN RAMP	EACH	12	\$ 1,500.00	\$ 18,000	\$ -	\$ 18,000	
CURB AND GUTTER B424	LF	18,769	\$ 21.00	\$ 394,200	\$ 143,450	\$ 250,751	
4" CONCRETE WALK	SF	59,818	\$ 5.00	\$ 299,100	\$ 149,550	\$ 149,550	
Subtotal				\$ 1,943,000	\$ 1,197,800	\$ 745,900	
All Roadway Construction Subtotal				\$ 1,943,000	\$ 1,197,800	\$ 745,900	
SPECIAL LUMP SUM CONSTRUCTION ITEMS							
RAILROAD CROSSING SYSTEM	LS	1	\$ 71,000.00	\$ 71,000	\$ 71,000	\$ -	
CITY UTILITIES (WATERMAIN/SANITARY/ELECTRIC)	LS		\$ -	\$ -	\$ -	\$ -	
URBAN DRAINAGE	LS	1	\$ 685,000.00	\$ 685,000	\$ 650,750	\$ 34,250	95:5 Split
Subtotal				\$ 756,000	\$ 721,750	\$ 34,250	
PERCENTAGE ITEMS							
MOBILIZATION		5%	of all roadway	\$ 135,000	\$ 83,223	\$ 51,825	Pro-rated by construction cost
MISC REMOVALS (CURB, SIGNS, TREES, ETC.)		5%	of all roadway	\$ 97,200	\$ 59,921	\$ 37,314	Pro-rated by construction cost
SIGNING & PAVEMENT MARKINGS		3%	of all roadway	\$ 58,300	\$ 58,300	\$ -	
TURF ESTABLISHMENT AND EROSION CONTROL		3%	of all roadway	\$ 62,400	\$ 38,468	\$ 23,955	Pro-rated by construction cost
LANDSCAPING/STREETSCAPE		2%	of all roadway	\$ 40,900	\$ -	\$ 40,900	
TRAFFIC CONTROL/STAGING		5%	of all roadway	\$ 100,100	\$ 61,709	\$ 38,427	Pro-rated by construction cost
CONTINGENCY FOR MISSING ITEMS		20%	of all roadway	\$ 401,100	\$ 247,266	\$ 153,979	Pro-rated by construction cost
Subtotal				\$ 895,000	\$ 549,000	\$ 346,000	
				Construction Cost (2020 Dollars)	\$ 3,594,000	\$ 2,469,000	\$ 1,126,000
				Anticipated Right-of-Way Cost (2020 Dollars)	\$ 42,000	\$ -	\$ 42,000
				Engineering Cost (2020 Dollars)	\$ 720,000	\$ 494,600	\$ 225,600
				Total Cost (2020 Dollars)	\$ 4,356,000	\$ 2,963,600	\$ 1,393,600

Notes:

1. Pavement section assumed is 6 inch bituminous pavement, 12 inch aggregate base, and 18 inch sand.
2. Trail pavement section assumed is 2.5 inch bituminous pavement and 4 inch aggregate base.
3. Cost sharing per Carver County Division of Public Works Cost Participation Policy (2013).

CSAH 10 Western Subarea - RR Xing to Creek Ln Rural Section (M3)

Carver County

1/22/2021



Item	Unit	Total Qty	Unit Price	Total Cost	Carver County	Chaska	Victoria	Notes:
MAJOR ROADWAY ITEMS (NOTES 1-2)								
REMOVE BITUMINOUS PAVEMENT	SY	47,541	\$ 4.00	\$ 190,200	\$ 190,200			
REMOVE CURB AND GUTTER	LF	1,469	\$ 4.00	\$ 5,900	\$ 5,900			
EXCAVATION - COMMON	CY	66,540	\$ 8.00	\$ 532,400	\$ 532,400			
COMMON EMBANKMENT (CV)	CY	174,488	\$ 14.00	\$ 2,442,900	\$ 2,442,900			
AGGREGATE BASE (CV) CLASS 5Q	CY	20,899	\$ 31.00	\$ 647,900	\$ 634,942	\$ 12,958		
SELECT GRANULAR EMBANKMENT (CV)	CY	23,885	\$ 19.00	\$ 453,900	\$ 444,822	\$ 9,078		
TYPE SP 9.5 WEARING COURSE MIX (4,F)	TONS	1,157	\$ 80.00	\$ 92,600	\$ 74,080	\$ 18,520		
TYPE SP 12.5 WEARING COURSE MIX (4,F)	TONS	26,182	\$ 44.00	\$ 1,152,100	\$ 1,152,100			
PEDESTRIAN RAMP	EACH	4	\$ 1,500.00	\$ 6,000	\$ 6,000			
CURB AND GUTTER B424	LF	4,191	\$ 25.00	\$ 104,800	\$ 104,800			
4" CONCRETE WALK	SF	37,841	\$ 10.00	\$ 378,500	\$ 378,500			
Subtotal				\$ 6,007,000	\$ 5,967,000	\$ 41,000	\$ -	
All Roadway Construction Subtotal				\$ 6,007,000	\$ 5,967,000	\$ 41,000	\$ -	
SPECIAL LUMP SUM CONSTRUCTION ITEMS								
LIGHTING	LS	1	\$ 25,000.00	\$ 25,000	\$ 16,700.00	\$ 8,300		
(3) DRAINAGE	LS	1	\$ 265,000.00	\$ 265,000	\$ 258,375	\$ 6,625		
Subtotal				\$ 290,000	\$ 275,075	\$ 14,925	\$ -	
PERCENTAGE ITEMS								
MOBILIZATION		5%	of all roadway	\$ 300,400	\$ 298,400	\$ 2,100	\$ -	Pro-rated by construction cost
MISC REMOVALS (CURB, SIGNS, TREES, ETC.)		5%	of all roadway	\$ 300,400	\$ 300,400			
SIGNING & PAVEMENT MARKINGS		3%	of all roadway	\$ 180,300	\$ 180,300			
TURF ESTABLISHMENT AND EROSION CONTROL		5%	of all roadway	\$ 300,400	\$ 298,400	\$ 2,100	\$ -	Pro-rated by construction cost
LANDSCAPING/STREETSCAPE		1%	of all roadway	\$ 60,100		\$ 60,100		
TRAFFIC CONTROL/STAGING		5%	of all roadway	\$ 300,400	\$ 298,400	\$ 2,100	\$ -	Pro-rated by construction cost
CONTINGENCY FOR MISSING ITEMS		20%	of all roadway	\$ 1,201,400	\$ 1,193,200	\$ 8,200	\$ -	Pro-rated by construction cost
Subtotal				\$ 2,643,000	\$ 2,569,000	\$ 75,000	\$ -	
				Construction Cost (2020 Dollars)	\$ 8,811,100	\$ 130,900	\$ -	
				Anticipated Right-of-Way Cost (2020 Dollars)	\$ 855,800			100% County, assuming Township will not be annexed at time of construction
				Engineering Cost (2020 Dollars)	\$ 1,778,000	\$ 12,000	\$ -	Pro-rated by construction cost
				Total Cost (2020 Dollars)	\$ 11,444,900	\$ 142,900	\$ -	

Notes:

1. Pavement section assumed is 10 inch bituminous pavement, 12 inch aggregate base, and 12 inch sand.
2. Trail pavement section assumed is 2.5 inch bituminous pavement and 4 inch aggregate base.
3. Drainage lump sum item includes all storm sewer pipe, structures and excavation of ponds.

CSAH 10 Improvements: Ridge Lane Pedestrian Underpass (I3)

Carver County

1/22/2021



Item	Unit	Total Qty	Unit Price	Total Cost
MAJOR ROADWAY ITEMS (NOTES 1-2)				
EXCAVATION - COMMON	CY	1,326	\$ 8.00	\$ 10,700
COMMON EMBANKMENT (CV)	CY	1,440	\$ 4.00	\$ 5,800
AGGREGATE BASE (CV) CLASS 5Q	CY	70	\$ 31.00	\$ 2,200
TYPE SP 9.5 WEARING COURSE MIX (4,F)	TONS	83	\$ 80.00	\$ 6,600
Subtotal				\$ 25,000
STRUCTURAL ITEMS				
BIKE UNDERPASS	SF	1,610	\$ 175.00	\$ 281,800
MODULAR BLOCK RETAINING WALL	SF	968	\$ 65.00	\$ 63,000
CAST-IN-PLACE WALLS	SF	838	\$ 125.00	\$ 104,800
Subtotal				\$ 450,000
All Roadway Construction Subtotal				\$ 475,000
SPECIAL LUMP SUM CONSTRUCTION ITEMS				
LIGHTING	LS	1	\$ 25,000.00	\$ 25,000
(3) URBAN DRAINAGE	LS	1	\$ 10,000.00	\$ 10,000
Subtotal				\$ 35,000
PERCENTAGE ITEMS				
MOBILIZATION		5%	of all roadway	\$ 23,800
MISC REMOVALS (CURB, SIGNS, TREES, ETC.)		3%	of all roadway	\$ 14,300
SIGNING & PAVEMENT MARKINGS		1%	of all roadway	\$ 4,800
TURF ESTABLISHMENT AND EROSION CONTROL		5%	of all roadway	\$ 23,800
LANDSCAPING/STREETSCAPE		3%	of all roadway	\$ 11,900
TRAFFIC CONTROL/STAGING		0%	of all roadway	\$ -
CONTINGENCY FOR MISSING ITEMS		20%	of all roadway	\$ 95,000
Subtotal				\$ 174,000
Construction Cost (2020 Dollars)				\$ 700,000
Anticipated Right-of-Way Cost (2020 Dollars)				TBD
Engineering Cost (2020 Dollars)				\$ 150,000
Total Cost (2020 Dollars)				\$ 850,000
Construction Cost (2033 Dollars)				\$ 1,020,000
Anticipated Right-of-Way Cost (2033 Dollars)				TBD
Engineering Cost (2033 Dollars)				\$ 220,000
Total Cost (2033 Dollars)				\$ 1,240,000

MnDOT	Carver County	Chaska
\$ -	\$ -	\$ -

	\$ 281,800.00	
\$ -	\$ 281,800.00	\$ -

\$ -	\$ -	\$ -
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\$ -	\$ -	\$ -

\$ -	\$ -	\$ -

	\$ 350,000.00	\$ 350,000.00
	\$ -	\$ -
	\$ 75,000.00	\$ 75,000.00
\$ -	\$ 425,000	\$ 425,000
	\$ 510,000.00	\$ 510,000.00
	\$ -	\$ -
	\$ 110,000.00	\$ 110,000.00
\$ -	\$ 620,000	\$ 620,000

- Notes:
- Trail pavement section assumed is 3 inch bituminous pavement and 4 inch aggregate base.
 - 10' x 14' underpass box culvert assumed with 3' minimum surface cover.
 - Urban Drainage lump sum item includes all storm sewer pipe, structures and excavation of ponds.

Hwy 10 Improvements: Victoria Dr to Prescott Ln Improvements (L2)

Carver County

1/22/2021



Item	Unit	Total Qty	Unit Price	Total Cost
MAJOR ROADWAY ITEMS (NOTES 1-2)				
REMOVE BITUMINOUS PAVEMENT	SY	13,235	\$ 4.00	\$ 53,000
REMOVE CONCRETE MEDIAN/WALK	SF	1,575	\$ 3.00	\$ 4,800
REMOVE CURB AND GUTTER	LF	4,109	\$ 4.00	\$ 16,500
EXCAVATION - COMMON	CY	9,900	\$ 8.00	\$ 79,200
COMMON EMBANKMENT (CV)	CY	13,368	\$ 4.00	\$ 53,500
AGGREGATE BASE (CV) CLASS 5Q	CY	4,290	\$ 31.00	\$ 133,000
SELECT GRANULAR EMBANKMENT (CV)	CY	9,801	\$ 19.00	\$ 186,300
TYPE SP 9.5 WEARING COURSE MIX (4,F)	TONS	242	\$ 80.00	\$ 19,400
TYPE SP 12.5 WEARING COURSE MIX (4,F)	TONS	5,077	\$ 44.00	\$ 223,400
CURB AND GUTTER B424	LF	7,597	\$ 21.00	\$ 159,600
4" CONCRETE WALK	SF	26,386	\$ 5.00	\$ 132,000
Subtotal				\$ 1,061,000
All Roadway Construction Subtotal				
				\$ 1,061,000
SPECIAL LUMP SUM CONSTRUCTION ITEMS				
CITY UTILITIES (WATERMAIN/SANITARY/ELECTRIC)	LS	1	\$ 425,000.00	\$ 425,000
LIGHTING	LS	1	\$ 40,000.00	\$ 40,000
(3) URBAN DRAINAGE	LS	1	\$ 243,000.00	\$ 243,000
Subtotal				\$ 708,000
PERCENTAGE ITEMS				
MOBILIZATION		5%	of all roadway	\$ 53,100
MISC REMOVALS (CURB, SIGNS, TREES, ETC.)		2%	of all roadway	\$ 16,000
SIGNING & PAVEMENT MARKINGS		3%	of all roadway	\$ 31,900
TURF ESTABLISHMENT AND EROSION CONTROL		5%	of all roadway	\$ 53,100
LANDSCAPING/STREETScape		8%	of all roadway	\$ 84,900
TRAFFIC CONTROL/STAGING		5%	of all roadway	\$ 53,100
CONTINGENCY FOR MISSING ITEMS		20%	of all roadway	\$ 212,200
Subtotal				\$ 504,000
Construction Cost (2020 Dollars)				\$ 2,273,000
Anticipated Right-of-Way Cost (2020 Dollars)				\$ 20,000
Engineering Cost (2020 Dollars)				\$ 450,000
Total Cost (2020 Dollars)				\$ 2,743,000
Construction Cost (2033 Dollars)				\$ 3,340,000
Anticipated Right-of-Way Cost (2033 Dollars)				\$ 20,000
Engineering Cost (2033 Dollars)				\$ 660,000
Total Cost (2033 Dollars)				\$ 4,020,000

Cost Participation		
MnDOT	Carver County	Chaska
	\$ 53,000	\$ -
	\$ 4,800	\$ -
	\$ 16,500	\$ -
	\$ 79,200	\$ -
	\$ 53,500	\$ -
	\$ 129,700	\$ 3,300.00
	\$ 186,300	\$ -
	\$ 9,700	\$ 9,700
	\$ 223,400	\$ -
	\$ 81,400	\$ 78,200
	\$ 132,000	\$ -
\$ -	\$ 969,500	\$ 91,200

Notes:

\$ -	\$ 969,500	\$ 91,200
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		\$ 425,000
	\$ 20,000	\$ 20,000
	\$ 194,400	\$ 48,600
\$ -	\$ 214,400	\$ 493,600

80:20 Split

	\$ 48,600	\$ 4,600
	\$ 16,000	\$ -
	\$ 31,900	\$ -
	\$ 48,600	\$ 4,600
	\$ -	\$ 84,900
	\$ 48,600	\$ 4,600
	\$ 194,000	\$ 18,300
\$ -	\$ 387,700	\$ 117,000

Pro-rated by construction cost
Pro-rated by construction cost
Pro-rated by construction cost
Pro-rated by construction cost

	\$ 1,571,600	\$ 701,800
	\$ 10,000	\$ 10,000
	\$ 411,300	\$ 38,700
\$ -	\$ 1,992,900	\$ 750,500
	\$ 2,310,000	\$ 1,030,000
	\$ 10,000	\$ 10,000
	\$ 600,000	\$ 60,000
\$ -	\$ 2,920,000	\$ 1,100,000

50:50 Split
Pro-rated by construction cost

- Notes:
- Pavement section assumed is 10 inch bituminous pavement, 12 inch aggregate base, and 24 inch sand.
 - Trail pavement section assumed is 3 inch bituminous pavement and 4 inch aggregate base.
 - Urban Drainage lump sum item includes all storm sewer pipe, structures and excavation of ponds.

CSAH 10 Improvements: CSAH 43W to RR Tracks (L3)

Carver County

1/22/2021



Item	Unit	Total Qty	Unit Price	Total Cost
MAJOR ROADWAY ITEMS (NOTES 1-2)				
REMOVE BITUMINOUS PAVEMENT	SY	66,753	\$ 4.00	\$ 267,100
REMOVE CURB AND GUTTER	LF	1,397	\$ 4.00	\$ 5,600
EXCAVATION - COMMON	CY	159,380	\$ 8.00	\$ 1,275,100
COMMON EMBANKMENT (CV)	CY	87,399	\$ 4.00	\$ 349,600
AGGREGATE BASE (CV) CLASS 5Q	CY	31,633	\$ 31.00	\$ 980,700
SELECT GRANULAR EMBANKMENT (CV)	CY	36,265	\$ 19.00	\$ 689,100
TYPE SP 9.5 WEARING COURSE MIX (4,F)	TONS	1,642	\$ 80.00	\$ 131,400
TYPE SP 12.5 WEARING COURSE MIX (4,F)	TONS	40,899	\$ 44.00	\$ 1,799,600
CURB AND GUTTER B424	LF	4	\$ 1,500.00	\$ 6,000
PEDESTRIAN RAMP	EACH	7,150	\$ 25.00	\$ 178,800
4" CONCRETE WALK	SF	30,811	\$ 10.00	\$ 308,200
Subtotal				\$ 5,991,000
All Roadway Construction Subtotal				
				\$ 5,991,000
SPECIAL LUMP SUM CONSTRUCTION ITEMS				
LIGHTING	LS	1	\$ 50,000.00	\$ 50,000
(3) DRAINAGE	LS	1	\$ 446,000.00	\$ 446,000
RAILROAD CROSSING IMPROVEMENTS	LS	1	\$ 275,000.00	\$ 275,000
Subtotal				\$ 771,000
PERCENTAGE ITEMS				
MOBILIZATION		5%	of all roadway	\$ 299,600
MISC REMOVALS (CURB, SIGNS, TREES, ETC.)		5%	of all roadway	\$ 299,600
SIGNING & PAVEMENT MARKINGS		3%	of all roadway	\$ 179,800
TURF ESTABLISHMENT AND EROSION CONTROL		5%	of all roadway	\$ 299,600
LANDSCAPING/STREETSCAPE		1%	of all roadway	\$ 60,000
TRAFFIC CONTROL/STAGING		5%	of all roadway	\$ 299,600
CONTINGENCY FOR MISSING ITEMS		20%	of all roadway	\$ 1,198,200
Subtotal				\$ 2,636,000
Construction Cost (2020 Dollars)				\$ 9,400,000
Anticipated Right-of-Way Cost (2020 Dollars)				\$ 1,559,000
Engineering Cost (2020 Dollars)				\$ 1,880,000
Total Cost (2020 Dollars)				\$ 12,839,000

MnDOT	Carver County	Victoria
	\$ 267,100.00	
	\$ 5,600.00	
	\$ 1,275,100.00	
	\$ 349,600.00	
	\$ 980,700.00	
	\$ 689,100.00	
	\$ 131,400.00	
	\$ 1,799,600.00	
	\$ 6,000.00	
	\$ 178,800.00	
	\$ 308,200.00	
\$ -	\$ 5,991,200.00	\$ -

\$ -	\$ 5,991,200.00	\$ -
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	\$ 50,000.00	
	\$ 446,000.00	
	\$ 275,000.00	
\$ -	\$ 771,000.00	\$ -

	\$ 299,600.00	
	\$ 299,600.00	
	\$ 179,800.00	
	\$ 299,600.00	
	\$ 60,000.00	
	\$ 299,600.00	
	\$ 1,198,200.00	
\$ -	\$ 2,636,400.00	\$ -

	\$ 9,400,000.00	
	\$ 779,500.00	\$ 779,500.00
	\$ 1,880,000.00	
\$ -	\$ 12,059,500	\$ 779,500

Notes:

1. Pavement section assumed is 10 inch bituminous pavement, 12 inch aggregate base, and 12 inch sand.
2. Trail pavement section assumed is 2.5 inch bituminous pavement and 4 inch aggregate base.
3. Drainage lump sum item includes all storm sewer pipe, structures and excavation of ponds.