

TH 371/TH 210 QUADRANT INTERCHANGE CONCEPT

Concept Cost Estimate (based upon 2021 bid price information) Prepared By: SRF Consulting Group, Inc., November 18, 2022

GP 2a [2106 Common Embankment (V) (4) cu. vd. \$44.00 342.507 \$13.50 GP 2d [2106 Camular Subarded (V) (1) (1) sq. vd. \$40.00 23.949 \$577.60 GP 3d Mainine Pavement (1) sq. vd. \$40.00 23.949 \$537.60 GP 3d Mainine Shoulder Pavement (1) sq. vd. \$40.00 6.63 \$226.22 GP 3d Local Road Pavement (8) sq. vd. \$250.00 4.44 \$11.00 GP 3d Local Road Pavement (8) sq. vd. \$250.00 16.317 \$12.221.60 GP 4d Local Road Pavement (8) sq. vd. \$25.00 4.44 \$11.23.70 GP 4d Local Road Pavement (8) sq. vd. \$25.00 4.44 \$11.00 GP 4d Local Road Pavement (8) sq. vd. \$25.00 16.317 \$12.23.100 GP 4d Local Road Pavement (2) sq. vd. \$25.00 14.41 \$11.00 GP 4d Local Road Pavement (2) sq. vd. \$56.00 12.25.100 \$12.25.100					TOTAL	
PAVING AND GRADING COSTS				-	-	
GP 1a [2106 Excavation - common & suborade [3] cu. vd. \$11.00 29.400 \$323.40 GP 2a [2106 Granular Subarade (CV) (1) (8) cu. vd. \$13.50 42.207 \$13.70.03 GP 2a [2106 Granular Subarade (CV) (1) (8) cu. vd. \$13.50 42.207 \$13.70.03 GP 2a [2106 Granular Subarade (CV) (1) (81.04.4 \$34.000 2.3449 \$557.60 GP 2a [2106 Granular Subarade (CV) (1) (84.04 \$35.000 2.4449 \$532.40 GP 2a [Local Road Shoulder Pavement (1) st. vd. vd. \$35.000 2.461 \$16.33 GP 2a [Local Road Shoulder Pavement (8) st. vd. vd. \$30.000 2.66 \$76.38 GP 2a [Local Road Shoulder Pavement (8) st. vd. vd. \$37.00 16.317 \$12.23.10 GP 2a [Local Road Shoulder Pavement (8) st. vd. vd. \$37.00 16.317 \$12.23.10 GP 2a [Local Road Shoulder Pavement (8) st. vd. d. \$37.00 16.317 \$12.23.10 GP 3 [Local Road Shoulder Pavement (8) st. vd. d. \$37.00 16.377 \$12.23.10 GP 3 [Local Roa			UNIT	TRICE	QUANTIT	AMOONT
GP 2a12106 Common Embankment (V) (4) cu.vd. \$44.00 342.507 \$13.50 GP 2a12106 Camular Subarded (V) (1) (3) (4) \$40.00 23.941 \$57.60 GP 2a12106 Camular Subarded Pavement (1) sq. vd. \$45.00 6.41.9 \$57.60 GP 2a1206 Camular Subarded Pavement (3) sq. vd. \$55.00 6.41 \$57.60 GP 2a1 Local Road Pavement (8) sq. vd. \$52.60 4.44 \$51.63 GP 2a1 Local Road Pavement (8) sq. vd. \$57.60 4.44 \$51.10 GP 2a1 Local Road Pavement (8) sq. vd. \$57.60 16.317 \$12.23.70 GP 2a1 Local Road Pavement (8) sq. vd. \$57.60 16.317 \$12.23.70 GP 2a1 Local Road Pavement (8) sq. vd. \$57.60 16.317 \$12.23.70 GP 2a1 Local Road Pavement (2) \$2.1.00 12 \$21.60 \$57.60 SUBTOTAL BROB COSTS Supervised Read Pavement (2) \$21.60 \$57.60 Brid Barbaider Pavement (2) \$21.60 \$57.60 \$10.50		(3)	cu. vd.	\$11.00	29,400	\$323.400
GP 3a Mainline Pavement (1) sq. vd. \$40,000 23,949 \$957,966 GP 3b Mainline Shoulder Pavement (1) sq. vd. \$40,000 6.663 \$266,627 GP 3b Mainline Shoulder Pavement (1) sq. vd. \$40,000 6.663 \$266,627 GP 3b Local Road Pavement (8) sq. vd. \$30,000 2.566 \$76,748 GP 3d Local Road Shoulder Pavement (8) sq. vd. \$30,000 2.566 \$76,748 GP 3d Local Road Pavement (8) sq. vd. \$30,000 2.566 \$76,748 GP 4d LOAP Pavestinn Curb Raman (2) sq. vd. \$31,000 (1,31,511,000) \$31,600 GP 4d LOAP Pavestinn Curb Raman (2) sq. vd. \$34,000 \$31,600 \$31,600 GP 4d LOAP Pavestinn Curb Raman (2) sq. vd. \$34,600 \$31,600 \$31,600 \$31,600 \$31,600 \$31,600 \$31,600 \$31,600 \$31,600 \$36,600 \$36,600 \$36,600 \$36,600 \$36,600 \$36,600 \$36,600 \$36,600 \$36,600	GrP 2a 2106 Common Embankment (CV)					\$1,370,030
GP 26 Mainline Shoulder Pavement (1) si. v.d. \$\$55.00 9.449 \$\$30.711 GP 26 Rame Devement (1) si. v.d. \$\$40.00 6.663 \$\$266.22 GP 36 Rame Shoulder Pavement (8) si. v.d. \$\$20.00 4441 \$\$11.190 GP 36 Local Road Pavement (8) si. v.d. \$\$20.00 4444 \$\$11.190 GP 36 Local Road Pavement (8) si. v.d. \$\$20.00 4444 \$\$11.190 GP 36 Local Road Pavement (8) si. v.d. \$\$20.00 4444 \$\$11.190 GP 36 Local Road Pavement (8) si. v.d. \$\$20.00 4444 \$\$11.190 GP 36 Local Road Pavement (2) si. ach. \$\$25.00 17.470 \$\$436.76 SUBTOTAL PAVING AND GRADING COSTS: Stoton Control 2% \$\$11.190 \$\$14.000 SUBTOTAL RAVING AND GRADINC CONTROL \$\$67.000 \$\$10.500.22 \$\$10.500.22 \$\$10.500.22 SUBTOTAL RAVING STRUCTURAL COSTS \$\$10.500.23 \$\$10.500.23 \$\$10.500.23 \$\$10.500.23 RET All RAVINS	GrP 2d 2106 Granular Subgrade (CV)		cu. vd.			\$577,800
GP 26 (Ramp Pavement (1) sq. vd. \$40,000 6.663 \$266,523 GP 26 (Ramp Shoulder Pavement (8) sq. vd. \$35,00 2.666 \$76,983 GP 26 (Local Road Favement (8) sq. vd. \$30,000 2.566 \$76,983 GP 26 (Local Road Shoulder Pavement (8) sq. vd. \$76,00 6444 \$11,000 GP 26 (Local Road Shoulder Pavement (8) sq. vd. \$76,00 6444 \$11,000 GP 26 (Local Road Shoulder Pavement (8) sq. vd. \$76,00 6437 \$12,23,72 GP 26 (Canage Usan & Viral (10,%) (10,%) \$14,000 \$14,000 \$14,000 \$14,000 \$14,000 \$14,000 \$14,000 \$14,000 \$14,000 \$10,505,027 \$14,100 \$156,200 \$156,200 \$156,200 \$156,200 \$156,200 \$156,200 \$150,505,027 \$150,505,027 \$150,505,027 \$150,505,027 \$150,505,027 \$150,505,027 \$150,505,027 \$150,505,027 \$150,505,027 \$150,505,027 \$150,505,027 \$150,505,027 \$150,505,027						\$957,960
GP 3d Ramp Shoulder Pavement (1) sq. vd. \$33.00 481 \$16.83 GP 3d Local Road Pavement (8) sq. vd. \$30.00 2.566 \$76.98 GP 3d Local Road Pavement (8) sq. vd. \$32.00 444 \$11.00 GP 3d Local Road Shoulder Pavement (8) sq. vd. \$32.00 444 \$11.00 GP 4d Concrete Walk / Tail/ Median (2) sq. vd. \$32.00 1.63.17 \$1.223.79 GP 4d Concrete Walk / Tail/ Median (2) sq. vd. \$32.600 1.74.70 \$33.67.6 SUBTOTAL PAVING AND GRADING COSTS: Sp. 613.47 \$564.00 \$564.00 \$564.00 Dr 1 Tuid Fashbaltent & Ensoin Control 2% \$114.000 \$60.00 \$114.000 SUBTOTAL BRIDGE COSTS: \$10.905.002 \$10.905.02 \$10.905.02 \$10.905.02 \$10.905.02 \$10.905.02 \$10.905.02 \$10.905.02 \$10.905.02 \$10.905.02 \$10.905.02 \$10.905.02 \$10.905.02 \$10.905.02 \$10.905.02 \$10.905.02 \$10.905.02 \$10.905.02 \$10.905.						
GP 3e Local Road Pavement (8) sq. vd. \$30,00 2.566 \$76,98 GP 3f Local Road Shoulder Pavement (8) sq. vd. \$375,00 16.317 \$11,223,69 GP 4 LOAD Redestrian Curb Ramp each \$1800,00 12 \$22,1600 GP 4 CIAD Redestrian Curb Ramp each \$1800,00 12 \$22,1600 GP 5 Locange - urban & rural 10% \$\$6,613,48 \$\$643,48 Drainge - urban & rural 10% \$\$664,000 \$\$644,000 Dr 7 Turf Establishment & Erosion Control 2% \$\$114,000 \$\$664,000 Dr 7 Turf Establishment & Erosion Control 2% \$\$114,000 \$\$664,000 SUBTOTAL PAVINGANGE, UTILITIES AND EROSION CONTROL \$\$678,000 \$\$116,000 \$\$116,000 Br 1 Bridge - Combined TH 371 over TH 210 and Railrd sq. ft. \$\$225 \$\$10,50,602 \$\$10,50,602 RT 24 NUB & O'THER MINOR STRUCTURAL COSTS \$\$10,050,621 \$\$10,050,621 \$\$10,70,000 RW 3 (CIP Ret. Walls 50 hink (spread foundation (5) Iin, ft. \$\$430 125 \$\$177,000 RW 4 (CIP Ret. Walls 50 hink (spread foundation (5)						
GP 3f Local Road Shoulder Pavement (8) sq. vd. \$25.00 444 \$11,10 GP 4a (Concrete Walk / Tail: Median (2) sq. vd. \$75,00 16,317 \$1,223,79 GP 4a (Concrete Walk / Tail: Median (2) sq. vd. \$75,00 16,317 \$1,223,79 GP 4a (Concrete Walk / Tail: Median (2) (3) \$21,600 12 \$21,600 SUBTOTAL PAVING AND GRADING COSTS: (3) (3) \$5,613,48* \$5,613,48* Dr 5 Drainage - urban & rural 10% (3) \$564,000 SUBTOTAL DRAINAGE, UTILITIES AND EROSION CONTROL \$678,000 \$678,000 BRIOEE COSTS (3)						\$76,980
GP 46. JOA Pedestinan Curb Ramp each \$1800.00 12 \$21,600 GP 5 Concrete Curb and Gutter lin. ft. \$25,00 17,470 \$343,751 SUBTOTAL PAVING AND GRADING COSTS: S5,613,48: S5,613,48: S5,613,48: Dr 5 Drainage - urban & rural 10% \$5,613,48: Dr 5 Drainage - urban & rural 10% \$642,00: Dr 6 Drainage - urban & rural 2% \$111,00: SUBTOTAL DRAINAGE, UTLITIES AND EROSION CONTROL \$672,00: \$111,810; BRIDGE COSTS SubTOTAL BRIDGE COSTS: \$10,505,02: SUBTOTAL BRIDGE COSTS: \$10,505,02: \$10,505,02: RETAINING WALLS & OTHER MINOR STRUCTURAL COSTS \$10,505,02: \$10,505,02: RW 4 CIP Ret Walls 5' high (spread foundation (6) lin. ft. \$430 125 \$1370,00: RW 4 CIP Ret Walls 15: high (spread foundation (6) lin. ft. \$1380 125 \$170,00: SUBTOTAL ERTAINING WALLS & OTHER MINOR STRUCTURAL COSTS: \$160,000 12 \$170,00: SUBTOTAL SUBTONING STRUCTURAL COSTS: \$160,000 1 \$350,0	GrP 3f Local Road Shoulder Pavement	(8)	sq. yd.			\$11,100
GrP 5. IConcrete Curb and Gutter I in. ft. \$25.00 17.470 \$438.75 SUBTOTAL PAVING AND GRADING COSTS: \$5.613.48* \$5.643.08* DRAINAGE, UTILITIES AND EROSION CONTROL \$564.000 \$564.000 DY 7 Turd Fabilishment & Erosion Control \$564.000 SUBTOTAL DRAINAGE, UTILITIES AND EROSION CONTROL \$678.000 BRIDGE COSTS \$114.000 SUBTOTAL BRIDGE COSTS: \$225 RETAINING WALLS & OTHER MINOR STRUCTURAL COSTS \$10,505.02 RW 3 CIP Ret. Walls 5' high (spread foundation 16) Iin. ft. \$438.125 RW 4 CIP Ret. Walls 5' high (spread foundation 16) Iin. ft. \$13800 125 SUBTOTAL RAVINE AND ROSTS \$106.0515: \$155.025 \$177.000 SUBTOTAL RAVINEL S& OTHER MINOR STRUCTURAL COSTS: \$150.001 125 \$170.000 SUBTOTAL RAVINE VAULUS & OTHER MINOR STRUCTURAL COSTS: \$165.002 \$175.002 \$170.002 SUBTOTAL RAVINE VAULUS & OTHER MINOR STRUCTURAL COSTS: \$166.251 \$165.001 \$162.001 SUBTOTAL RAVINE VAULUS & OTHER MINOR STRUCTURAL COSTS: \$1835.000 \$162.115.001 \$162.001 \$148.000 </td <td></td> <td>(2)</td> <td></td> <td></td> <td></td> <td></td>		(2)				
SUBTOTAL PAVING AND GRADING COSTS: \$5,613,48' DRAINAGE, UTILITIES AND EROSION CONTROL 56 Dr 5 Drainage - urban & rural 10% \$564,000 SUBTOTAL DRAINAGE, UTILITES AND EROSION CONTROL \$678,000 \$114,000 BRIDGE COSTS \$114,000 \$2% \$10,505,022 BRIDGE COSTS \$10,505,022 \$10,505,022 \$10,505,022 SUBTOTAL BRIDGE COSTS: \$10,506,023 \$10,505,022 \$10,505,022 RETAINING WALLS & OTHER MINOR STRUCTURAL COSTS \$10,505,022 \$10,505,022 \$10,505,022 RW 3 (CIP Ret Walls 57) high (spread foundation (5) 1in. ft. \$430 125 \$517,000 RW 5 (CIP Ret Walls 20' high (spread foundatiod (5) 1in. ft. \$13,600 125 \$170,000 RW 4 (CIP Ret Walls 20' high (spread foundatiod (5) 1in. ft. \$2,080 75 \$156,020 SUBTOTAL RETAINING WALLS & OTHER MINOR STRUCTURAL COSTS: \$562,251 \$78,757 \$500 SUBTOTAL RETAINING WALLS & OTHER MINOR STRUCTURAL COSTS: \$564,500 \$500 \$500 SUBTOTAL RETAINING WALLS & OTHER MINOR STRUCTURAL COSTS: \$586,201 \$54						
DRAINAGE, UTLITIES AND EROSION CONTROL 0% \$\$64.00 Dr 5 Drainage - urban & rural 10% \$\$64.00 Dr 7 Tural Exosion Control \$\$64.00 SUBTOTAL DRAINAGE, UTILITIES AND EROSION CONTROL \$\$678.00 BRIDGE COSTS \$\$114.00 SUBTOTAL BRIDGE COSTS \$\$225 SUBTOTAL BRIDGE COSTS: \$\$10,505.02 RETAINING WALLS & OTHER MINOR STRUCTURAL COSTS \$\$10,505.02 RW 3 CIP Ret. Walls 5' high (spread foundation 1/5) lin, ft. \$\$430 125 \$\$103.75 RW 4 CIP Ret. Walls 5' high (spread foundation 1/5) lin, ft. \$\$1300 125 \$\$177.00 SUBTOTAL RENNON WALLS & OTHER MINOR STRUCTURAL COSTS \$\$165.02 \$\$177.00 \$\$150.02 \$\$177.00 SUBTOTAL RETAINING WALLS & OTHER MINOR STRUCTURAL COSTS: \$\$160.00 125 \$\$179.00 SUBTOTAL RETAINING WALLS & OTHER MINOR STRUCTURAL COSTS: \$\$160.00 1 \$350.000 SUBTOTAL STRUNNOWALLS & OTHER MINOR STRUCTURAL COSTS: \$\$1830.000 \$\$161.15; nural \$\$100.000 SUBTOTAL STRUNNO WALLS & OTHER MINOR STRUCTURAL COSTS: \$\$1840.00 \$\$350.000 \$\$350.		COSTS		\$25.00	17,470	
Dr 5 Drainage - urban & rural 10% \$664.000 Dr 7 Turd Establishment & Erosion Control 2% \$114.000 SUBTOTAL DRAINAGE, UTILITIES AND EROSION CONTROL \$678,000 \$114.000 BRIDGE COSTS \$10.505.021 \$10.505.021 SUBTOTAL BRIDGE COSTS: \$10.505.021 \$10.505.021 RETAINING WALLS & OTHER MINOR STRUCTURAL COSTS \$10.505.021 \$10.505.021 RW 3 CIP Ret. Walls 5' high (spread foundation 1/5) lin. ft. \$4300 125 \$102.751 RW 4 CIP Ret. Walls 5' high (spread foundation 1/5) lin. ft. \$13.000 125 \$102.0751 RW 4 CIP Ret. Walls 20' high (spread foundation 1/5) lin. ft. \$13.000 125 \$102.00751 Storead foundation (5) lin. ft. \$13.000 125 \$102.00751 Storead foundation (5) lin. ft. \$13.000 125 \$102.00751 Storead foundation (5) lin. ft. \$13.000 125 \$102.000 RW 5 CIP Ret. Walls 20' high (spread foundation 1/5) lin. ft.						\$5,613,461
Dr 7 Turf Establishment & Erosion Control 2% \$114.000 BRIDGE COSTS \$678,000 \$678,000 Br 1 Bridge - Combined TH 371 over TH 210 and Railrd sq. ft. \$225 \$46,689 \$10,505,022 SUBTOTAL BRIDGE COSTS: \$10,505,022 \$878,000 \$10,505,022 \$878,000 Ret Alling WaLLS & OTHER MINOR STRUCTURAL COSTS \$10,505,022 \$873,757 \$300 \$25 \$310,505,202 RW 3 CIP Ret, Walls 5 'high (spread foundation (5) lin, ft. \$4300 \$25 \$3102,757 RW 4 CIP Ret, Walls 10'high (spread foundation (5) lin, ft. \$4300 \$25 \$3102,000 RW 50/P Ret, Walls Architectural Treatments (normal) sq. ft. \$15,200 \$75,751 \$562,250 SUBTOTAL RETAINING WALLS & OTHER MINOR STRUCTURAL COSTS: \$661,151,613,600 \$162,611,513,600 \$164,800,000 \$14,850,000 SUBTOTAL SIGNAL AND LIGHTING COSTS \$350,000 1,453,600 \$140,000 \$1440,000 \$1440,000 \$140,000 \$1440,000 \$140,000 \$144,00,000 \$1440,000 \$1440,000 \$148,5000 \$14,800			100/			A =0.1.000
SUBTOTAL DRAINAGE, UTILITIES AND EROSION CONTROL \$779,000 BRIDGE COSTS SUBTOTAL BRIDGE COSTS: \$10,605,021 Br 1 Bridge - Combined TH 371 over TH 210 and Railrod sq. ft. \$225 46,689 \$10,505,021 SUBTOTAL BRIDGE COSTS: \$10,605,021 \$10,605,021 \$10,605,021 \$10,505,021 RW 3 [CIP Ret. Walls 5' high (spread foundation [G) [in. ft. \$430 125 \$537,70,000 RW 4 [CIP Ret. Walls 15' high (spread foundation [G) [in. ft. \$13,860 125 \$170,700 RW 6 [CIP Ret. Walls 15' high (spread foundation [G) [in. ft. \$13,860 125 \$170,000 RW 6 [CIP Ret. Walls Architectural Treatments (normal) sq. ft. \$15 5,250 \$77,75,75 SUBTOTAL STANDAUG COSTS \$360,000 1 \$350,000 \$362,61 \$165,000 \$362,61 \$165,000 \$363,000 \$383,000 \$383,000 \$383,000 \$383,000 \$383,000 \$383,000 \$383,000 \$383,000 \$383,000 \$383,000 \$383,000 \$383,000 \$383,000 \$383,000 \$383,000 \$383,000 \$383,000	Dr 5 Drainage - urban & rural					
BRIDGE COSTS 1 1 Br 1 [Bridge - Combined TH 371 over TH 210 and Railing sq. ft. \$225 46,689 \$10,505,021 SUBTOTAL BRIDGE COSTS: \$10,506,021 \$10,506,021 \$10,506,021 \$10,506,021 RETAINING WALLS & OTHER MINOR STRUCTURAL COSTS \$10,506,021 \$10,505,021 \$10,505,021 RW 3 (C) PRet: Walls 51 high (spread foundation (5) 1in, ft. \$13,860 1225 \$103,750 RW 4 (C) PRet: Walls 51 high (spread foundation (5) 1in, ft. \$2,360 76 \$156,000 RW 3 (C) PRet: Walls 52 high (spread foundation (5) 1in, ft. \$2,360 76 \$156,000 RW 3 (C) PRet: Walls Architectural Ireatments (normal) sq. ft. \$2,500 \$78,755 \$156,000 \$162,251 \$150,50,000 \$162,251 \$150,50,000 \$162,251 \$150,50,000 \$162,251 \$166,000 \$162,151,51,50,500 \$162,250 \$162,000 \$162,151,51,50,500 \$162,251 \$163,600 \$162,151,51,51,550,576 \$166,000 \$162,11,51,01,51,51,51,51,51,50,500 \$162,100,000 \$118,520,000 \$1.8 \$63,000 \$1.8 \$63,000 \$1.8 \$6						
Br 1 Bridge - Combined TH 371 over TH 210 and Railrol sq. ft. \$225 46,689 \$10,505,022 SUBTOTAL BRIDGE COSTS: \$10,605,021 RTAINING WALLS & OTHER MINOR STRUCTURAL COSTS RW 3 CIP Ret. Walls 5' high (spread foundation 1(5) lin. ft. \$430 125 \$53,751 RW 4 CiP Ret. Walls 15' high (spread foundation 1(5) lin. ft. \$13,800 125 \$107,000 RW 5 CiP Ret. Walls 15' high (spread foundation 1(5) lin. ft. \$2,080 75 \$156,000 RW 6 CiP Ret. Walls 20' high (spread foundation 1(5) lin. ft. \$2,080 75 \$156,000 RW 6 CiP Ret. Walls 20' high (spread foundation 1(5) lin. ft. \$2,080 75 \$156,000 Stign L AND LIGHTING WALLS & OTHER MINOR STRUCTURAL COSTS: \$362,256 \$167,000 \$364,8500 SGL 1 Signals (permanent) each \$350,000 1 \$320,000 \$488,000 SGL 1 Signals (permanent) mile \$100,000 1.4 \$140,000 SGL 1 Signals (permanent) mile \$100,000 1.4 \$140,000 Signanent 115 - rural	· · · · ·			UL		\$070,000
SUBTOTAL BRIDGE COSTS: \$10,505,021 RETAINING WALLS & OTHER MINOR STRUCTURAL COSTS RETAINING WALLS & OTHER MINOR STRUCTURAL COSTS RW 3 (CIP Ret. Walls 51' high (spread foundation [.6]) iin. ft. \$430 125 \$53.750 RW 4 (CIP Ret. Walls 51' high (spread foundation [.6]) iin. ft. \$830 125 \$170.00 RW 6 (CIP Ret. Walls 20' high (spread foundation [.6]) iin. ft. \$21.360 75 \$175.00 RW 30 Ret. Walls Architectural Treatments (normal) \$9, ft. \$15 5.250 \$78.761 SUBTOTAL RETAINING WALLS & OTHER MINOR STRUCTURAL COSTS: \$562,251 \$562,251 \$562,251 SIGNAL AND LIGHTING COSTS \$350,000 1 \$350,000 \$366,11 \$316,00 \$362,000 1 \$350,000 SGL 1 Signals (permanent) each \$350,000 1.4 \$140,000 \$485,000 \$485,000 SIGNIA STRUPING COSTS mile \$350,000 1.4 \$140,000 SIGNIA STRUPING COSTS mile \$35,000 1.8 \$63,000 SGN 11 Mainline Signing (CAD) mile \$35,000 1.8 <				* ***	10.000	A 40 E0E 00E
RETAINING WALLS & OTHER MINOR STRUCTURAL COSTS 125 RW 3 CIP Ret. Walls 5' high (spread foundation 15) lin. ft. \$430 125 \$103,751 RW 4 CIP Ret. Walls 15' high (spread foundation 15) lin. ft. \$1380 125 \$103,751 RW 5 CIP Ret. Walls 15' high (spread foundation 15) lin. ft. \$1380 125 \$170,000 RW 6 CIP Ret. Walls 20' high (spread foundation 15) lin. ft. \$2,080 75 \$1562,001 RW 6 CIP Ret. Walls 20' high (spread foundation 15) lin. ft. \$2,080 75 \$1562,001 RW 6 CIP Ret. Walls 20' high (spread foundation 15) lin. ft. \$2,080 75 \$1562,251 SIGNAL AND LIGHTING COSTS \$350,000 1 \$350,000 \$350,000 \$350,000 \$350,000 \$36485,001 SIGL 1 Signals (bermanent) each \$350,000 \$4485,001 \$4485,000 \$4485,000 SIGNIG & STRIPING COSTS \$360,000 \$440,000 \$440,000 \$440,000 \$50,000 \$144,00,001 \$50,000 \$144,00,001 \$60,18 \$50,000 \$2,777,000 \$50,19,18 \$50,000 \$		nd Railro	sq. ft.	\$225	46,689	
RW 3 CIP Ret. Walls 5' high (spread foundation W 4 CIP Ret. Walls 10' high (spread foundation W 5 CIP Ret. Walls 10' high (spread foundation W 5 CIP Ret. Walls 20' high (spread foundation W 30 Ret. Walls Architectural Treatments (normal) S 40 Ret. Walls Architectural Treatment S 40 Ret. Walls Architectural Architectural Treatment S 40 Ret. Walls Architectural Treatment						\$10,505,025
RW 4 CIP Ret. Walls 10' high (spread foundation (5) lin. ft. \$830 125 \$103.75(RW 5 CIP Ret. Walls 20' high (spread foundation (5) lin. ft. \$2,080 75 \$156.000 RW 30 Ret. Walls 20' high (spread foundation (5) lin. ft. \$2,080 75 \$156.000 RW 30 Ret. Walls Architectural Treatments (normal) sq. ft. \$2,080 75 \$156.205 SUBTOTAL RETAINING WALLS & OTHER MINOR STRUCTURAL COSTS: \$562,250 \$78,750 SGL 1 Isignals (permanent) each \$3350.000 1 \$3350.000 SUBTOTAL SIGNAL AND LIGHTING COSTS: \$835,000 1 \$350.000 \$100.000 \$14,440.000 SUBTOTAL SIGNAL AND LIGHTING COSTS: \$140,000 \$14,4140.000 \$14,4140.000 \$140,000 SUBTOTAL INTELLIGENT TRANSPORTATION SYSTEMS COSTS: \$140,000 \$14,400,000 \$14,4140.000 \$14,4140.000 \$14,4140.000 \$14,4140.000 \$16,810,000 \$14,8140,000 \$16,810,000 \$14,4140,000 \$14,4140,000 \$16,810,000 \$14,8140,000 \$16,910,000 \$14,8140,000 \$16,910,000 \$14,8140,000 \$16,910,000 \$16,910,000<						
RW 5 CIP Ret. Walls 15' high (spread foundatio) in. ft. \$13,800 125 \$170,000 RW 6 CIP Ret. Walls 20' high (spread foundatio) in. ft. \$2,080 75 \$156,000 RW 30 Ret. Walls Architectural Treatments (normal) sq. ft. \$15 5,250 \$78,750 SUBTOTAL RETAINING WALLS & OTHER MINOR STRUCTURAL COSTS: \$562,250 \$78,750 SGL 1 Isignals (permanent) each \$3350,000 1 \$3250,000 SGL 1 Isignals (permanent); standard) 3% \$485,000 \$485,000 SUBTOTAL INTELLIGENT TRANSPORTATION SYSTEMS COSTS: \$180,000 1.4 \$140,000 SUBTOTAL INTELLIGENT TRANSPORTATION SYSTEMS COSTS: \$100,000 1.4 \$140,000 SUBTOTAL INTELLIGENT TRANSPORTATION SYSTEMS COSTS: \$140,000 \$14 \$140,000 SIGNI Mainline Signing (C&D) mile \$35,000 1.8 \$63,000 SGN 1 Mainline Signing (C&D) mile \$35,000 1.8 \$22,000 SGN 1 Mainline Signing (A, OH, Br Mtd) each \$50,000 2 \$100,000 SGN 2 Mainline Signing (A, OH, Br Mtd) each						
RW 6 CIP Ret. Walls. 20' high (spread foundation) (5) (1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1						
RW 30 [Ret. Walls Architectural Treatments (normal) sq. ft. \$15 5,250 \$78,750 SUBTOTAL RETAINING WALLS & OTHER MINOR STRUCTURAL COSTS: \$562,250 SGL 1 [Signals (permanent) each \$350,000 1 \$350,000 SGL 1 [Signals (permanent) each \$350,000 1 \$3350,000 SGL 1 [Signals (permanent) each \$350,000 1 \$3350,000 SGL 1 Signals (permanent) each \$350,000 1 \$3350,000 SUBTOTAL SIGNAL AND LIGHTING COSTS: \$8350,000 1.4 \$140,000 SUBTOTAL INTELLIGENT TRANSPORTATION SYSTEMS COSTS: \$140,000 \$144 \$140,000 SGN 1 [Mainline Stigning (C&D) mile \$50,000 1.8 \$63,000 SGN 3 Mainline Stigning (A, OH, Br Mtd) each \$50,000 2 \$100,000 SUBTOTAL CONSTRUCTION COSTS: \$18,505,756 \$172,000 \$18 \$22,777.000 MilsCELLANEOUS COSTS \$100,000 \$2 \$100,000 \$22,777.000 \$22,777.000 M1 Mobilization 5% \$22,777.000 \$2560	RW 6 CIP Ret. Walls 15 high (spread foundatio	(5) (5)				
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ITS 2 Permanent ITS - rural mile \$100.000 1.4 \$140.000 SUBTOTAL INTELLIGENT TRANSPORTATION SYSTEMS COSTS: \$140,000 SIGNING & STRIPING COSTS \$140,000 SGN 1 Mainline Signing (C&D) mile \$35,000 1.8 \$63,000 SGN 2 Mainline Striping mile \$50,000 1.8 \$63,000 SGN 3 Mainline Signing (A, OH, Br Mtd) each \$50,000 2 \$100,000 SUBTOTAL SIGNING & STRIPING COSTS: \$172,000 \$172,000 \$172,000 \$18,505,756 MISCELLANEOUS COSTS \$18,505,756 \$18,505,756 \$1227,000 \$27,000 M1 Mobilization \$2027,000 \$2,2,777,000 \$218,505,756 M1 Mobilization \$227,000 \$227,000 \$218,505,756 M1 Mobilization \$227,000 \$227,000 \$218,505,756 M1 Mobilization \$227,000 \$227,000 \$227,000 \$218,505,756 \$227,000 \$218,505,756 \$227,000 \$218,505,756 \$227,000 \$218,505,756 \$227,000 \$218,505,756 \$227,000 \$218,505,756 \$227,000	INTELLIGENT TRANSPORTATION SYSTEMS (COSTS			I	
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OTHER PROJECT COSTS:						
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SUBTOTAL OTHER PROJECT COSTS \$5,452,00	OTHER PROJECT COSTS:					
SUBTOTAL OTHER PROJECT COSTS \$5,452,00		IN.	Lump Sum	20%		\$5,452,00
TOTAL PROJECT COST \$32.700.75			\$5,452,00			
	TOTAL PROJECT COST		\$32,700,75			

INFLATION COST (2022 TO 2027)	(9)	5 Years	16%	\$5,400,000
TOTAL PROJECT COST (OPENING YEA	\$38,100,756			

 Mainline and ramp pavement section assumed to be 8" bituminous, 6" aggregate base class 6, and 36" of select gran
 Includes aggregate base class 6.
 Calculated based on no profile grade change on TH 210, and 25' vertical profile raise on TH 371
 Calculated based on no profile grade change on TH 210, and 25' vertical profile raise on TH 371, with 1:6 inslopes for
 Assumes Mn/DOT Standard Plan Sheet designs; does not include excavation or backfill.
 Includes all removals and local utilities
 Includes railroad, utility, and turn back agreements, project mitigation, and right of way acquisitions
 Local road pavement section of 6" bituminous, 6" aggregate base class 6, and 24" of select granular embankment. Sh
 Assumed 3% annual inflation for a period of 5 years NOTE: