Agreement PW2020-21

RAMSEY COUNTY COOPERATIVE AGREEMENT WITH THE CITY OF SAINT PAUL FOR Trail Construction Along Johnson Parkway (County State Aid Highway 64) between Burns Avenue and Phalen Boulevard Ramsey County Project Number P3445 City of Saint Paul Project Number P-1451 SP 164-129-013, 062-664-007

Total Project Cost:	\$ 6,971,272.01
City of Saint Paul Cost:	\$ 1,168,489.26
Ramsey County Cost:	\$ 365,893.48

Attachments: A – Engineer's Estimate

This Agreement is between the City of Saint Paul, a municipal corporation ("City") and Ramsey County, a political subdivision of the State of Minnesota, ("County") for trail construction along Johnson Parkway between Burns Avenue and Phalen Boulevard ("Project").

RECITALS

- 1. The Project is identified in Ramsey County's 2020 2024 Transportation Improvement Program.
- 2. Johnson Parkway, in the area affected by construction and rehabilitation, is designated County State Aid Highway (CSAH) 64.
- 3. The Project has been designated by the Minnesota Department of Transportation (Mn/DOT) as eligible for County State Aid Highway funds.
- 4. The Project has been identified in the 2020 Minnesota State Transportation Improvement Program as Sequence Number PA6220-058 and is eligible for Federal Highway Administration funds.
- 5. The Project has been designated as State Project (S.P.) 062-664-007 and State Aid Project (S.A.P.) 164-129-013, and (federal) Minnesota Project Surface Transportation Program Metropolitan Planning Organization (Minn. Proj. STPM) TA 6220(058), Ramsey County Project Number P3445, City of Saint Paul Project Number P-1451.
- 6. The subject road segment is located within the City.

7. The Joint Powers Agreement between the County and the City, County Resolution 93-643 and City Council File 93-1974, details maintenance responsibilities and costs on the County Road system in the City.

AGREEMENTS

- 1. Responsibility for Design Engineering
 - 1.1. Plans, specifications, and proposals will be prepared in accordance with Mn/DOT State Aid requirements.
 - 1.2. The City will prepare plans, specifications, and proposals for the Project, which will include, among other things, the proposed trail construction, street rehabilitation, alignment, profiles, grades, cross sections, paving, concrete curb and gutter, medians, storm sewer, water main, sanitary sewer, storm water treatment and infiltration basins, pedestrian curb ramps, turf establishment, traffic signals, street lighting, accessible pedestrian signals, utility replacement and adjustments, and other appurtenant work.
 - 1.3. Plans for the Project showing proposed construction will be presented to the County and will be on file at Ramsey County Public Works Department.
 - 1.4. Any costs associated with Project revisions after the completion of plans and specifications will be paid for by the party requesting the revisions. Revisions are subject to approval by the County.
- 2. Responsibility for Right of Way Plan and Acquisition
 - 2.1. There is no Right of Way being acquired for this Project.
- 3. Procurement and Award of Contract
 - 3.1. The City will take bids in accordance with state law as well as City and County procedures.
 - 3.2. The City will prepare an abstract of bids and a cost participation summary based on the lowest responsible bidder's proposal and will provide the same to the City.
 - 3.3. The City will request the County's approval to award a contract to the lowest responsible bidder.
 - 3.4. The City will award a contract, and pay the contractor.
- 4. Responsibility for Construction Engineering
 - 4.1. The City shall perform or contract the performance of the construction engineering for all elements of the Project.

5. Project Costs

Ramsey County will pay a total of \$365,893.48. This amount includes all costs of mobilization, construction, design engineering, and construction engineering.

- 6. Payment Schedule
 - 6.1. The City will invoice the County for construction costs after completion of the Project.
 - 6.2. Payment will be made within 30 days of receipt of an invoice.
- 7. Ownership and Maintenance Responsibility for Project Elements
 - 7.1. The joint powers agreement between the County and the City, County Resolution 93-643 and City Council File 93-1974, details maintenance responsibilities and costs on the County Road system in the City.
 - 7.2. Ownership and Maintenance Responsibility of the Roadway

7.1.1 The County will own and maintain the roadway and associated roadway elements location within the County Right of Way, except as detailed below.

- 7.3. Ownership and Maintenance of the Sidewalk
 - 7.3.1. The County will own the sidewalk/trail. The City shall be responsible for all maintenance, including but not limited to patching, snow and ice control, sweeping, crack sealing, debris removal, vegetation control, panel replacement, settlement adjustments, etc. The county shall be responsible for reconstruction.
- 7.4. Ownership and Maintenance of the Trees and Landscaping
 - 7.4.1 The city will own and maintain the trees, landscaping, and median landscaping, including irrigation systems.
- 7.5. Ownership and Maintenance of the Street Lights
 - 7.5.1. The City will own and maintain the street lights.
- 8. The County grants the City temporary construction permits over all County owned rights-of-way and property within the limits of the Project for use during construction at no cost to the City.

- 9. Each party agrees that it will be responsible for its own acts and/or omissions and those of its employees, representatives, and agents in carrying out the terms of this Agreement and the results thereof to the extent authorized by law and shall not be responsible for the acts and/or omissions of the other party and the results thereof. The liability of the City, its employees, representatives, and agents shall be governed by provisions of Minnesota Statutes Chapter 466 et. seq. and other applicable law. Nothing in this Agreement shall constitute a waiver by the County or the City of any statutory or common law immunities, limits, or exceptions on liability.
- 10. This Agreement shall remain in full force and effect until terminated by mutual agreement of the parties.
- 11. Counterparts: The parties may sign this Agreement in counterparts, each of which constitutes an original, but all of which together constitute one instrument.
- 12. Electronic Signatures: The parties agree that the electronic signature of a party to this Agreement be valid as an original signature of such party and shall be effective to bind such party to this Agreement. The parties further agree that any document (including this Agreement and any attachments or exhibits to this Agreement) containing, or to which there is affixed, an electronic signature shall be deemed (i) to be "written" or "in writing," (ii) to have been signed and (iii) to constitute a record established and maintained in the ordinary course of business and an original written record when printed from electronic files. For purposes hereof, "electronic signature" also means a manually signed original signature that is then transmitted by any electronic means, including without limitation a faxed version of an original signature. Any party's failure to produce the original signature of any electronically transmitted signature shall not affect the enforceability of this Agreement.

THE REMAINDER OF THIS PAGE IS INTENTIONALLY BLANK.

CITY OF SAINT PAUL, MINNESOTA

By: _____ Mayor

By: _____ Director of Public Works

Approved by the Office of Financial Services:

By: _____

Approved as to Form:

By: _____ City Attorney

Date:

Date:_____

RAMSEY COUNTY, MINNESOTA

Date:

Ryan T. O'Connor, County Manager

Approval recommended:

John Mazzitello, Interim County Engineer Public Works Department

Approved as to form:

Assistant County Attorney

							FEDERAL F	PARTICIPATING			CITY FUNDED		CITY FUNDED			FUNDED		NON-PARTICIPATING (CITY)	NON-PARTICIPATING (COUNTY)		
LINE NO. ITEM NO.		FINAL	CT AMOUNT	EINAL TOTAL			RM SEWER	-				RM SEWER	SP 164-129-013 SP 062-664 ROADWAY	STORM SEWER	SP 164-129-013 ROADWAY	STORM	-	ROADWAY		DWAY	
1 2011.601 AS BUILT	UNIT	PROJECT TOTALS	UNIT COST	\$1,900.00	ESTIMATED QUANTITY 0.53	ESTIMATED COST QUANTITY \$\$\$\$1,018.40	ESTIMATED COST	ESTIMATED QUANTITY 0.264	ESTIMATED COST QUANTITY \$501.60	ESTIMATED COST	ESTIMATED QUANTITY ESTIMATED COST QUANTITY 0.134 \$254.60	ESTIMATED COST	0.033 \$62.70	TY ESTIMATED COS	0.033 \$62.70	ESTIMATED QUANTITY	ESTIMATED COST	ESTIMATED QUANTITY ESTIMATED COST	ESTIMATED QUANTITY	ESTIMATED COS	
2 2021.501 MOBILIZATION 3 2041.610 TRAINEE 4 2101.505 ICLEARING	LUMP SUM HOUR ACRE	1.00 929.50 0.4		\$929.50	0.53 743. 0.2	5 \$163,480.00 5 \$743.60 1 \$1,260.00		0.26	\$80,520.00		0.13 \$40,870.00 185.90 \$185.90 0.050 \$300.00		0.03 \$10,065.00		0.03 \$10,065.00						
5 2101.505 GRUBBING 6 2101.524 GRUBBING 7 2102.503 PAVEMENT MARKING REMOVAL	ACRE TREE LIN FT	1.16 178.50 325.00	6 \$ 3.000.00 0 \$ 90.00) \$3,480.00) \$16,065.00	0.5 178.5 133.3	3 \$1,740.00) \$16,065.00		0.360	\$1,080.00		0.140 \$420.00 33.33 \$23.33		0.04 \$120.00		0.04 \$120.00						
8 2104.502 REMOVE MANHOLE 9 2104.502 REMOVE CATCH BASIN 10 2104.502 REMOVE SIGN	EACH EACH EACH	34.54 54.00 20.00	4 \$ 540.00 0 \$ 540.00) \$18,651.60) \$29,160.00	16.7 29.0	5 \$9,045.00		10 14 4	\$5,653.80 \$7,425.00 \$140.00		4.18 \$2,257.20 7.27 \$3,925.80 2.80 \$98.00		1.05 \$567.00 1.96 \$1,058.40		2.09 \$1,128.60 1.96 \$1,058.40 2.00 \$70.00						
11 2104.502 REMOVE SIGNAL SYSTEM A 12 2104.502 REMOVE SIGNAL SYSTEM B 13 2104.502 REMOVE SIGNAL SYSTEM B	EACH EACH EACH	1.00	0 \$ 9,900.00 0 \$ 9,900.00	\$9,900.00 \$9,900.00	0.	3 \$7,920.00 \$1,470.60		0.80	\$7,920.00		0.20 \$1,980.00				0.20 \$1,980.00 0.86 \$369.80	1					
10 10	EACH EACH EACH	6.00 16.00 9.00	0 \$ 360.00 0 \$ 270.00	\$5,760.00 \$2,430.00	5.6 3. 12.6	3 \$2,048.40 2 \$864.00		7	\$2,559.60 \$1,080.00 \$591.15		1.42 \$511.20 0.80 \$216.00 3.17 \$110.95		2 11 672 06		1.78 \$640.80 1.00 \$270.00 3.17 \$110.95						
10 2104.862 SAWING BITUMINOUS PAVEMENT (FULL DEPTH) 17 2104.603 SAWING BITUMINOUS PAVEMENT (FULL DEPTH) 18 2104.603 REMOVE SEWER PIPE (STORM) 19 2104.603 REMOVE CURB AND GUTTER	LIN FT LIN FT LIN FT	38.00 7459.50 2296.00	0 \$ 2.00 0 \$ 20.50	\$14,919.00 \$47,068.00	3544.1 1120.3	5 \$7,088.30 5 \$22,967.38		2,422 717	\$4,844.94 \$14,695.02		88.04 \$1,772.08 280.09 \$5,741.85 518.00 \$3,263.40		258.25 \$1,626.98		303.42 \$606.84 89.85 \$1,841.93						
20 2104.503 REMOVE RETAINING WALL 21 2104.503 REMOVE FENCE	LIN FT LIN FT	5180.00 51.00 156.00	0 \$ 23.50 0 \$ 8.40) \$1,198.50) \$1,310.40	124.	3 \$1,048.32		2,072	\$958.80		31.20 \$262.08				259.32 \$1,633.72 10.20 \$239.70						
22 2104.903 REMOVE UNDERGROUND WIRE 23 2104.503 REMOVE SANTARY SERVICE PIPE 24 2104.504 REMOVE CONCRETE DRIVEWAY PAVEMENT	LIN FT LIN FT SQ YD	26240.00 100.00 60.00	0 \$ 17.50 0 \$ 8.90	\$1,750.00 \$534.00	1574 8 10.2	\$1,400.00 \$90.78		5,248	\$341.76		3936.00 \$7,084.80 20.00 \$350.00 2.40 \$21.36		1,312.00 \$2,361.60 4.50 \$40.05		4.50 \$40.05						
25 2104.504 REMOVE BITUMINOUS PAVEMENT 26 2104.518 REMOVE CONCRETE WALK 27 2104.518 REMOVE CONCRETE MEDIAN	SQ YD SQ FT SQ FT	14147.00 31101.00 136.00	0 \$ 0.60 0 \$ 1.00) \$18,660.60) \$136.00	6048.8 7176.2			5,269 17,705 108	\$42,151.92 \$10,622.84 \$108.00		1512.21 \$12,097.68 1794.07 \$1,076.44		657.95 \$5,263.60 2,212.43 \$1,327.46 14.00 \$14.00		659.03 \$5,272.24 2213.49 \$1,328.09 14.00 \$14.00	5 6 1					
28 2105.507 COMMON EXCAVATION (P) 29 2105.507 SUBGRADE EXCAVATION 30 2105.507 SELECT GRANULAR BORROW (CV) (P)	CU YD CU YD CU YD	12674.50 687.00 957.00	0 \$ 25.00) \$17,175.00) \$28,710.00	7163.1 323. 539.			2,976 226 226	i \$87,787.28 i \$5,650.00 i \$6,780.00		1790.79 \$52,828.31 80.80 \$2,020.00 134.80 \$4,044.00		372.59 \$10,991.41 28.00 \$700.00 28.00 \$840.00		372.11 \$10,977.25 29.00 \$725.00 29.00 \$870.00	 					
31 2105.507 COMMON BORROW (CV) (P) 32 2112.519 SUBGRADE PREPARATION 33 2123.610 STREET SWEEPER (WITH PICKUP BROOM)	CU YD ROAD STA HOUR	536.00 103.00 58.00	0 \$ 720.00	\$74,160.00	345.7 46. 34.	5 \$33,480.00		83 36 12	\$440.32 \$25,696.80 \$1,508.00		86.30 \$457.39 11.63 \$8,373.60 8.70 \$1,131.00		10.18 \$53.95 4.08 \$2,937.60 1.16 \$150.80		10.72 \$56.82 5.10 \$3,672.00 1.74 \$226.20						
34 2211.507 AGGREGATE BASE (CV) CLASS 5 35 2232.504 MILL BITUMINOUS SURFACE (3.0°) 36 2301.518 CONCRETE PAVEMENT 8°	CU YD SQ YD SQ FT	6849.00			3129.0	3 \$200,257.92		2,350	\$150,424.32		782.26 \$50,064.64		293.14 \$18,760.96		294.19 \$18,828.16			2,682 \$8,850.27	354	\$1,168	
36 2301.518 CONCRETE PAVEMENT 8" 37 2301.618 8" CONCRETE RAISED CROSSING INCLUDING SAWCUT JOINTS 38 2357.506 BITUMINOUS MATERIAL FOR TACK COAT 39 2580.509 TYPE SP 9.5 WEARING COURSE MIXTURE (3.C)	SQ FT GALLON TON	19940.00 640.00 1996.44	0 \$ 9.50 0 \$ 1.60) \$189,430.00) \$1,024.00	7816.4 293.1 974.2	3 \$74,256.56 2 \$468.99 3 \$62,839.77		8,136 218.88 622.89			1954.12 \$18,564.14 72.96 \$116.74 243.57 \$15,710.27		1,016.94 \$9,660.93 27.52 \$44.03 77.86 \$5,021.97		1016.94 \$9,660.93 27.52 \$44.03 77.86 \$5,021.97						
40 2360.509 TYPE SP 9.5 NON WEARING COURSE MIXTURE (4.E) 41 2360.509 TYPE SP 9.5 WEARING COURSE MIXTURE (4.F) 42 2401.1507 ISTRUCTURE EXCAVATION CLASS U	TON TON CU YD	1308.66 1825.68 3986.00	6 \$ 84.00 8 \$ 81.50	\$109,927.44 \$148,792.92	974.2 621.6 546. 264	1 \$52,215.24 3 \$44,523.45		424.00	\$35,616.00 \$30,445.96 \$20,400.00		155.73 \$13,081.32 136.57 \$11,130.46 661.00 \$24,787.50		53.66 \$4,507.44 47.20 \$3,846.80 68.00 \$2,550.00		53.66 \$4,507.44 47.20 \$3,846.80			597 \$48,615.57	78	\$6,383	
39 2380.509 TYPE SP 4.5 WEARNO COURSE MATURE (3.C) 40 2380.509 TYPE SP 4.5 NON WEARNO COURSE MATURE (4.E) 41 2380.509 TYPE SP 4.5 WEARNO COURSE MATURE (4.E) 42 2401.507 STRUCTURE ECCAVATION, CLASS U 43 2401.507 STRUCTURE COURSET (1GS2) 44 2401.507 STRUCTURE, CONCRETE (1GS2) 45 2401.507 STRUCTURE, CONCRETE (1GS2) 46 2401.508 REMPORCEMENT BARS 45 2401.508 REMPORCEMENT BARS 46 2401.508 REMPORCEMENT BARS	CU YD CU YD POUND	196.10 338.20 17943.00	0 \$ 500.00 0 \$ 750.00) \$98,050.00) \$253,650.00) \$23,325.90	204 120.8 209.7 11376.	5 \$60,430.00 2 \$157,290.00 3 \$14,789.84		36	\$18,010.00 \$45,030.00		30.22 \$15,110.00 52.44 \$39,330.00 2844.20 \$3,697.46		4.00 \$2,000.00 8.00 \$6,000.00 372.00 \$483.60		5.00 \$2,500.00 8.00 \$6,000.00 373.00 \$484.90						
47 2402.503 ORNAMENTAL METAL RAILING TYPE SPECIAL	POUND LIN FT LUMP SUM	33433.00 580.00 1.00	0 \$ 1.40 0 \$ 190.00	\$46,806.20 \$110,200.00	20485.4			6,260	\$3,870.10 \$8,764.41 \$22,040.00		5121.36 \$7,169.90 87.00 \$16,530.00 0.20 \$760.00		782.94 \$1,096.12 29.00 \$5,510.00		782.94 \$1,096.12						
48 2411.601 DRAINAGE SYSTEM WALL A 49 2411.601 DRAINAGE SYSTEM WALL B 50 2411.601 DRAINAGE SYSTEM WALL C 51 2411.618 STORE MASONRY VENEER	LUMP SUM LUMP SUM SQ FT	1.00	0 \$ 1,600.00 0 \$ 2.000.00	\$1,600.00 \$2,000.00	0.	3 \$1,280.00 3 \$110,282.40		0.80	\$1,600.00 \$26,659.00		0.20 \$320.00 520.20 \$27,570.60		0.10 \$200.00 63.00 \$3,339.00		0.10 \$200.00 63.00 \$3,339.00						
52 2451.507 GRANULAR BACKFILL (CV) 53 2451.507 GRANULAR BEDDING (CV)	CU YD CU YD	2284.00	0 \$ 41.50 \$ 37.00) \$94,786.00)	145	2 \$60,258.00		375	\$15,562.50		363.00 \$15,064.50		47.00 \$1,950.50		47.00 \$1,950.50						
54 2451.507 AGGREGATE BACKFILL, CV 55 2451.507 COARSE FILTER AGGREGATE (CV) 56 2451.609 AGGREGATE FOUNDATION FOR SEWERS 57 2452.600 STEEL SHEET PILING (TEMPORARY)	CU YD CU YD TON LUMP SUM	194.00	0 \$ 100.00 \$ 0.01	\$19,400.00	155.	2 \$54,600.00 2 \$15,520.00		0.80	\$14,400.00		150.00 \$13,650.00 38.80 \$3,880.00		0.10 \$1,800.00		0.10 \$1,800.00						
Site 2441.611 GEOMEMBRANE LINER, 30 MIL PVC 59 2481.613 GEOMEMBRANE LINER, 30 MIL PVC 59 2502.503 6' PVC PIPE DRAIN 60 2502.503 6' PVC PIPE DRAIN	SQ FT LIN FT LIN FT	4500.00	0 \$ 13.50 0 \$ 16.50	\$60,750.00 \$7,887.00	360 382. 403.	\$6,309.60		0.00	\$14,400.00		900.00 \$12,150.00 95.60 \$1,577.40 100.80 \$1,209.60				0.10 01,000.00						
60 22022030 0° FLO'S TPUE DORM' 61 2502.602 0° FLO'S TPUE DORM' 62 2502.503 12° PERFORATED THERMOPLASTIC PIPE SEWER 63 2502.503 12° PERFORATED THERMOPLASTIC PIPE	EACH LIN FT	504.00 2.00 322.00	0 \$ 510.00 0 \$ 41.50	\$1,020.00 \$13,363.00	1.	\$ \$816.00 \$ \$3,237.00			179.	00 \$7,428.50	0.40 \$204.00 1 21.00 \$871.50 5.20 \$197.60			22.00 \$913.	00	22.00	\$913.00				
64 2502.604 4" NSULATION 65 2502.604 4" NSULATION 66 2503.503 18" RC PIPE SEWER DESIGN 3006 CLASS V 66 2503.503 18" RC PIPE SEWER DESIGN 3006 CLASS V	SQ YD LIN FT LIN FT	26.00	\$ 51.00 0 \$ 80.50	\$171,867.50		1,	191 \$95,852.96 116 \$10,532.39	6	7	55 \$60,742.08	26.12 \$2,363.86			94.86 \$7,636.	3	94.86	\$7,636.23				
67 2503.503 21" RC PIPE SEWER DESIGN 5000 CLASS V 68 2503.503 24" RC PIPE SEWER DESIGN 5006 CLASS V 68 2503.503 24" RC PIPE SEWER DESIGN 5006 CLASS V 69 2603.503 24" RC PIPE SEWER DESIGN 5006 CLASS V	LIN FT	197.00 141.00 134.00			54.		141 \$15,510.00 87 \$10,458.00	0		37 \$4,444.80	20.12 92,303.00			4.36 \$523.	20	5.45	\$654.00				
2503.503 35 RC PIPE SEVER DESIGN 9006 CLASS V 71 2503.502 CONNECT INTO EXISTING STORM SEVER 72 905.602 CONNECT INTO EXISTING STORM SEVER 72	LIN FT EACH	24.00	0 \$ 240.00 0 \$ 900.00	\$5,760.00 \$36,000.00 \$36,000.00			18 \$15,903.00	0		18 \$4,389.60 15 \$13,392.00	3	.72 \$3,348.00		2.29 \$549. 1.86 \$1,674.	50 50 50	3.42	\$820.80 \$1,683.00				
72 2503.602 CLEAN STORM WATER TREATMENT DEVICE 74 2503.602 FIELD CORE DRILL STORM SEWER CONNECTIONS 75 2503.603 FIELEVISE REPAIRED SEWER SERVICES 76 2609.603 FOLEVISE REPAIRED SEWER SERVICES	EACH EACH LIN FT	10.00		\$30,000.00			8 \$24,000.00)		310,100.00	2	2.00 \$6,000.00		1.12 01,430.			\$1,443.00				
78 2803.603 SANTARY SEWER SERVICE REPAIR 77 2803.603 CLEAN AND TELEVISE PROJECT STORM SEWERS 78 2503.603 TELEVISE 12.NICH UNDERDRAIN PIPING SYSTEM (BMP SYSTEM)	LIN FT LIN FT LIN FT	98.00	0 \$ 4.50	\$8,281.00 \$10,354.50	78.	4 \$6,624.80					19.60 \$1,656.20							2,301 \$10,354.50			
78 200.803 TELEVEE F2/INCH UNDERDRAM MPMRS STSTEM (BMP-STSTEM) 79 2503.602 INSTALL SEVER COUPLING 80 2504.602 INSTALL SEVER COUPLING 81 2504.602 ADJUST VALVE BOX 82 2504.602 REPAR VALVE BOX	LIN FT EACH	240.00	0 \$ 2.20 \$ 1,200.00	\$19,008.00														240 \$864.00 8,640 \$19,008.00			
81 2504.602 ADJUST VALVE BOX 82 2504.602 REPAIR VALVE BOX 83 2504.603 WATER MAIN TRENCH 84 2504.603 REMOVE WATER MAIN	EACH EACH LIN FT LIN FT	11.00 20.00 428.65 65.00	5 \$ 94.50	\$24,000.00 \$40,507.43	6.0 1 342.9	3 \$2,131.50 2 \$14,400.00 2 \$32,405.94 5 \$10,000		5	\$889.00 \$6,000.00		1.52 \$532.00 3.00 \$3,600.00 85.73 \$8,101.49 13.00 \$175.50		0.85 \$297.50								
209-003 REMOVE WRITEN NAM 209-003 REMOVE WRITEN NAM 200-003 REMOVE WRITEN NAM 200-003 REMOVE REMOVER REMOVE REMOVE REMOVE REMOVER REMOVER REMOVE REMOVER REMOVER REMOVER REMOVER REMOVE REMOVE REMOVER REMOVER REMOVE REMOVE REMOVE REMOVER REMOVE REMOVER REMOVE REMOVE REMOVER REMOV	EACH EACH	16.85	5 \$ 4,100.00 0 \$ 6,400.00	\$877.50 \$69,085.00 \$41,600.00 \$0,400.00		\$702.00	5 \$21,607.00 3 \$17,856.00	0		8 \$34,563.00 2 \$11,904.00		.05 \$4,305.00 .93 \$5,952.00		1.05 \$4,305. 0.46 \$2,944.		1.05 0.46	\$4,305.00 \$2,944.00				
0 200302 CONTING ASSEMBLY B MODIFIED DECISION (24000) 88 2506.502 CASTING ASSEMBLY R.3067 90 2506.602 CASTING ASSEMBLY R.3067	EACH EACH EACH	37.00	0 \$ 9,400.00 0 \$ 1,200.00 0 \$ 1.000.00 0 \$ 7,700.00	\$3,400.00 \$44,400.00 \$52,000.00 \$38,500.00	11.3 10.1	3 \$13,656.00 2 \$10,120.00	6 \$5.620.00 4 \$30.800.00			17 \$20,496.00 25 \$25,300.00	2 2.85 \$3,420.00 2.53 \$2,530.00 1 1	.41 \$1,410.00		2.85 \$3,420. 3.51 \$3,510.	00 00 00	2.84	\$3,408.00 \$3,510.00				
90 2506.002 CATCH BASIN, I'PE 78 91 2506.002 CATCH BASIN, I'PE 78 92 2506.603 CONSTRUCT MANHOLE TYPE I 93 2506.602 CONSTRUCT MANHOLE TYPE I	EACH LIN FT EACH	47.00	0 \$ 3,300.00 0 \$ 650.00	\$155,100.00 \$8,450.00	10.		3 \$27,300.00			14 \$45,243.00	2.60 \$1.690.00	.00 \$9.100.00		1.96 \$6,468.		1.95	\$6,435.00				
94 2506.602 ADJUST FRAME AND RING CASTING (< 6" ADJUSTMENT) 95 2506.602 ADJUST FRAME AND RING CASTING (7" TO 17" ADJUSTMENT)	EACH EACH EACH EACH	18.00	0 \$ 420.00 0 \$ 990.00	\$7,560.00 \$37,620.00	5.9	5 \$5,890.50 4 \$8,320.00	9 \$3,780.00 7 \$7,355.70			6 \$2,520.00 17 \$16,354.80	0 1 0 1.49 \$1,475.10 1	.50 \$630.00 .65 \$1,633.50		0.75 \$315. 2.48 \$2,455.	0	0.75	\$315.00 \$2,455.20				
97 2511.504 GEOTEXTILE FILTER, TYPE V 98 2521.518 6* CONCRETE WALK 00 2531.503 CONCRETE CUBE AND GUTTER DESIGN B612 (MODIFIED)	SQ YD SQ FT	250.00 36821.00 6193.80	0 \$ 1.50 0 \$ 9.30	\$375.00 \$342,435.30	6. 20 9628.8 2934.8	\$300.00		19,828			1.60 \$2,080.00 50.00 \$75.00 2407.21 \$22,387.05 733.71 \$18.342.75		253.04 56.336.00		4957.25 \$46,102.43	1					
99 2231.303 CONTRELE OURD AND GUTTER DESIGN B018 100 2531.503 CONCRETE CURB AND GUTTER DESIGN B018 101 2531.504 8° CONCRETE ORIVEWAY PAVEMENT 102 2531.504 8° CONCRETE ORIVEWAY PAVEMENT	LIN FT SQ YD SQ YD	503.00 38.00 20.00	0 \$ 26.00 0 \$ 63.50	\$13,078.00 \$2,413.00	2934.8 160.9	\$ \$4,184.96		2,020	\$6,237.14 \$1,918.97 \$1,386.88		40.24 \$1,046.24		30.95 \$804.70 7.78 \$494.03		30.96 \$804.96						
103 2531.602 CONCRETE MEDIAN NOSE - SPECIAL 104 2531.603 CONCRETE CURB DESIGN V 105 2531.604 8' CONCRETE VELUER GUTTER	EACH LIN FT	1.00	0 \$ 600.00 \$ 41.50	\$600.00	404.2	7 617 002 00		0.80	\$480.00		46.10 \$4.471.70				0.20 \$120.00						
	SQ YD SQ FT EACH	356.00 1993.00 58.00	0 \$ 45.00 0 \$ 2,700.00	\$89,685.00 \$156,600.00	184.3 872.8 27.	2 \$73,440.00		721	\$9,702.91 \$32,459.85 \$51,300.00		218.21 \$9,819.45 6.80 \$18,360.00		5.00 \$13,500.00		25.50 \$2,473.50 180.63 \$8,128.35						
106 2531.618 TENNCATED DOMES 107 2545.680 TENNCATED DOMES 108 2545.502 LIGHT FOURDATION DESIGN SPECIAL 108 2545.502 LIGHT FOURDATION DESIGN SPECIAL 108 2545.502 ENVICE DESIGN SPECIAL 111 2545.502 ENVICE DESIGN ET 112 2545.502 ENVICE DESIGN ET 113 2545.502 ENVICE DESIGN ET	EACH EACH EACH	67.00 3.00 3.00	0 \$ 2,900.00	\$8,700.00 \$6,900.00	30. 1. 1.	\$ \$4,640.00 \$ \$3,680.00		0.80	\$19,090.00 \$2,320.00 \$1,840.00		7.60 \$6,308.00 0.40 \$1,160.00 0.40 \$920.00 1.90 \$1.280.00		6.00 \$4,980.00 0.20 \$580.00 0.20 \$460.00								
113 2545 503 2" NON-METALLIC CONDUIT (DIRECTIONAL BORE)	EACH LIN FT LIN FT	9.00 10683.00 515.00	0 \$ 4.60 0 \$ 22.00	\$49,141.80 \$11,330.00	7. 5697. 274.6	7 \$6,042.74		2,849	\$13,104.48 \$3,021.26		1.80 \$1,368.00 1424.40 \$6,552.24 88.67 \$1,510.74		712.20 \$3,276.12 34.33 \$755.26								
114 2545.503 UNDERGROUND WIRE 1/C 6 AWG 115 2545.503 UNDERGROUND WIRE 1/C 8 AWG 116 2545.602 INSTALL LIGHTING UNIT	LIN FT LIN FT EACH	55651.00 18562.00 7.00	0 \$ 1.10 0 \$ 500.00	\$20,418.20 \$3,500.00	29552.2 9885.4 2.4	7 \$10,874.02 9 \$1,245.00		14,969 4,964 3	\$5,460.54 \$1,555.00		7388.06 \$11,820.90 2471.37 \$2,718.51 0.62 \$310.00		3,742.14 \$5,987.42 1,241.03 \$1,365.13 0.78 \$390.00								
117 2645.602 INSTALL SERVICE CABINET 118 2563.601 TRAFFIC CONTROL 119 2563.610 FLAGGER	EACH LUMP SUM HOUR	2.00 1.00 16.00	0 \$ 49.000.00 0 \$ 76.00	\$49,000.00 \$1,216.00	0. 0.5 9.	3 \$360.00 3 \$25,970.00 5 \$729.60		0.80	\$12,740.00 \$243.20		0.20 \$90.00 0.14 \$6,860.00 2.40 \$182.40		0.20 \$90.00 0.04 \$1,960.00 0.40 \$30.40		0.03 \$1,470.00 0.40 \$30.40	1					
120 2564.518 SIGN PANELS TYPE C 121 2564.602 INSTALL SIGNS 122 2564.602 SIGN TYPE SPECIAL A	SQ FT EACH EACH	132.00 53.25 15.00	5 \$ 120.00 0 \$ 4,200.00	\$6,390.00 \$63,000.00	<u>97.0</u> 17.7	5 \$2,130.00 7 \$29,400.00		9 24 5	\$1,533.60 \$2,840.40 \$21,000.00		24.27 \$4,368.60 4.44 \$532.80 1.75 \$7,350.00		1.06 \$190.80 4.44 \$532.80 1.25 \$5,250.00		1.06 \$190.80 2.95 \$354.00						
123 2564.602 SIGN TYPE SPECIAL B 124 2564.602 SIGN TYPE SPECIAL C 125 2564.602 SIGN TYPE SPECIAL D 126 2565.501 TRAFFIC CONTROL INTERCONNECT 127 2565.516 TRAFFIC CONTROL SIGNAL SYSTEM A	EACH EACH EACH	1.00 2.00 9.00		\$13,800.00 \$3,150.00	0. 0. 2.	\$5,680.00 3 \$5,520.00 4 \$1,015.00		0.80	\$5,520.00 \$1,155.00		0.20 \$1,420.00 0.20 \$1,380.00 1.00 \$350.00		0.10 \$690.00 0.90 \$315.00		0.10 \$690.00 0.90 \$315.00						
	LUMP SUM SYSTEM SYSTEM	1.00	0 \$ 65,000.00 0 \$ 229,000.00 0 \$ 204,000.00	\$65,000.00 \$229,000.00	0.5	4 \$35,100.00 3 \$183,200.00		0.26	\$16,900.00		0.14 \$9,100.00 0.20 \$45,800.00		0.03 \$1,950.00 0.10 \$20,400.00		0.03 \$1,950.00						
129 2565.602 INSTALL CABINET 130 2571.524 DECIDUOUS TREE 2" DIA B&B 131 2571.524 ORNAMENTAL TREE 1.5" DIA B&B	EACH TREE TREE	2.00 139.00 30.00	0 \$ 450.00 0 \$ 420.00	\$900.00 \$58,380.00 \$10,800.00	0. 75.7 1	2 \$4,320.00		0.80 35 12	\$360.00 \$14,704.20 \$4,154.40		0.20 \$90.00 18.95 \$7,959.00 3.00 \$1,080.00		0.10 \$45.00 9.26 \$3,889.20 3.46 \$1,245.60		0.10 \$45.00						
132 2573.502 STORM DRAIN INLET PROTECTION	EACH LIN FT CU YD	180.00 12702.50 2343.00	0 \$ 100.00 0 \$ 2.00	\$18,000.00 \$25,405.00	99.6 8826.2 1025.	\$9,969.00		44 1,335 848	\$4,352.00		24.92 \$2,492.00 2206.58 \$4,413.16 256.45 \$6,924.15		11.87 \$1,187.00 334.94 \$669.88		212.35 \$5,733.45						
134 2574.507 COMMON TOPSOL BORROW 135 2574.507 FLITER TOPSOL BORROW 136 2574.507 FLITER TOPSOL BORROW 136 2574.507 FENTULZER TYPE 3 127 2574.505 SODONING TYPE 1 AWN	CU YD POUND	350.00	0 \$ 65.00 0 \$ 2.20	\$22,750.00 \$880.00	28 175.1	\$18,200.00 \$\$\$\$\$5.35		145	\$318.03		70.00 \$4,550.00 43.79 \$96.34				36.49 \$80.28	[[
137 2575.505 SODDING TYPE LAWN	SQ YD	24365.00	0 \$ 6.90		11091.9	\$76,534.39		8,399	\$57,951.17		2772.98 \$19,133.56				2101.36 \$14,499.38						

138 2575.523 WATER	M GAL	610.20 \$ 23.50	\$14,339.70															610	\$14,339.70	
139 2580.503 INTERIM PAVEMENT MARKING	M GAL LIN FT	3380.00 \$ 0.30	\$1,014.00	2704	\$811.20				676.00	D	\$202.80									
140 2582.503 4" BROKEN LINE PREFORM TAPE GR IN	LIN FT	2208.00 \$ 3.50	\$7,728.00	1027.95	\$3,597.83		738	\$2,584.23	256.99	9	\$899.47				184.3	'1 S	646.49			
141 2582.503 4* SOLID LINE PREFORM TAPE GR IN	LIN FT	8744.00 \$ 8.00	\$69,952.00	6119.32	\$48,954.56	8	876	\$7,007.04	1529.83	3	\$12,238.64				218.9)7 \$1.	751.76			
142 2582.503 8* SOLID LINE PREFORM TAPE GR IN	LIN FT	93.00 \$ 17.50	\$1,627.50	14.42	\$252.35		60	\$1,048.08	3.60	0	\$63.00				15.0	19 \$	264.08			
143 2582.503 24* SOLID LINE PREFORM TAPE GR IN	LIN FT	\$ 29.00																		
144 2582.518 CROSSWALK MARKING THERMOPLASTIC GR IN	SQ FT	3474.00 \$ 13.00	\$45,162.00	1288.48	\$16,750.24	1/	,490	\$19,371.69	322.12	2	\$4,187.56				373.2	\$4.	852.51			
145 2582.518 CROSSWALK MARKING THERMOPLASTIC GR IN ESR	SQ FT	288.00 \$ 13.00	\$3,744.00			1	230	\$2,985.97							58.3	11 \$	758.03			
146 2582.618 PAVEMENT MESSAGE THERMOPLASTIC GR IN - RAISED CROSSING	SQ FT	396.00 \$ 25.00	\$9,900.00	172.8	\$4,320.00		144	\$3,600.00	43.20	0	\$1,080.00				36.0	10 \$	900.00			
147 2582.618 PAVEMENT MESSAGE THERMOPLASTIC GR IN - LEFT TURN ARROW	SQ FT	150.00 \$ 30.00	\$4,500.00	60	\$1,800.00		60	\$1,800.00	15.00	0	\$450.00				15.0	10 \$	450.00			
148 2582.618 PAVEMENT MESSAGE THERMOPLASTIC GR IN - BIKE LANE WITH ARROW	SQ FT	\$ 39.50																		
CHANGE ORDER # 1 (MnDOT CO #1)														-						
2101.505 CLEARING AND GRUBBING ADDITIONAL TREES AND BRUSH	\$34,288.24	1 \$34,288.24	\$34,288.24	0.50	\$17,144.12	0	0.31	\$10,629.35	0.12	2	\$4,114.59		0.035 \$1,2	0.09	0.03		200.09			
2452.601 VIBRATION MONITORING	\$13,860.00	1 \$13,860.00	\$13,860.00			0	0.80	\$11,088.00					0.10 \$1,3	6.00	0.4	0 \$1.	386.00			
2452.601 PRECONSTRUCTION SURVEY	\$1,650.00	1 \$1,650.00	\$1,650.00			0	0.80	\$1,320.00					0.10 \$1	5.00	0.4	4	165.00			
2452.601 TEMPORARY SHEET PILING	\$123,887.39	1 \$123,887.39	\$123,887.39			0	0.80	\$99,109.91					0.10 \$12,3	8.74	0.1	0 \$12	388.74			
2575.505 HYDRO SEEDING	\$14,132.80	0.4 \$14,132.80	\$5,653.12	0.18	\$2,543.90	0	0.14	\$1,978.59	0.05	5	\$706.64				0.0	13 \$	423.98			
CHANGE ORDER # 2 (MnDOT CO #2)																				
2575.508 HYDRO SEED	\$12,239.56	1 \$12,239.56	\$12,239.56	0.46	\$5,630.20	0	0.34	\$4,161.45	0.11	1	\$1,346.35				0.0	19 \$1.	101.56			
2545.503 CONDUIT WORK	\$30,148.05	1 \$30,148.05	\$30,148.05	0.53	\$15,978.47	0	0.27	\$8,139.97	0.13	3	\$3,919.25		0.07 \$2,1	0.36						
2545.502 LIGHTING WORK	\$7,277.01	1 \$7,277.01	\$7,277.01	0.46	\$3,347.42	0	0.33	\$2,401.41	0.12	2	\$873.24		0.09 \$6	4.93						
2564.516 SIGNAL WORK	\$12,585.04	1 \$12,585.04	\$12,585.04	0.80	\$10,068.03				0.20	0	\$2,517.01									
2564.518 SIGNS	\$300.00	2 \$300.00	\$600.00	1.47	\$441.00	0	0.12	\$36.00	0.37	7	\$111.00		0.02	6.00	0.0	12	\$6.00			
UPRR FEES	\$10,367.50	1 \$10,367.50	\$10,367.50	0.80	\$8,294.00				0.20	D	\$2,073.50									
BURNS AVENUE CROSSING	\$22,668,64	1 \$22,668.64	\$22,668.64	0.80	\$18,134.91				0.20	D	\$4,533.73									
2104.504 TEMPORARY PAVEMENTS AND REMOVALS	\$13,640.65	1 \$13,640.65	\$13,640.65	0.17	\$2,318.91	0	0.64	\$8,730.02	0.04	4	\$545.63		0.07 \$9	4.85	0.0	18 \$1.	091.25			
2563.601 TRAFFIC CONTROL - TEMPORARY STOP SIGNS AT 3RD & JOHNSON	\$3 170 62	1 \$3.170.62	\$3,170.62	0.53	\$1,680.43	0	0.26	\$824.36	0.14	4	\$443.89		0.04 \$1	6.82	0.0	13	\$95.12			
2503.602 CLEANING SANITARY SEWER	\$302.50	66.3 \$302.50	\$20,055.75	53.04	\$16,044.60				13.26	ŝ	\$4,011.15									
CHANGE ORDER #3 (MnDOT CO #3)																				
2565.616 Revise Signal System A	\$4,170.50	1 \$ 4,170.50	\$4,170.50	0.80	\$3,336.40				0.20	0	\$834.10									
2511.602 F&I Limestone Blocks	\$32,278,47	1 \$ 32,278.47	\$32,278.47	0.80	\$25,822.78				0.20	D	\$6.455.69									
2564.602 Furnish and Install Sign Type C	\$8,976,00	1 \$ 8.976.00	\$8,976.00	0.34	\$3.051.84	0	0.44	\$3,949,44	0.08	в	\$718.08		0.08 \$7	8.08	0.0	16 \$	538.56			
Curb Repair at Johnson and Euclid	\$34,825.15	1 \$ 34,825.15	\$34,825.15	0.47	\$16,367.83	0	0.33	\$11,492.30	0.12	2	\$4,179.02		0.04 \$1,3	3.01	0.0	14 \$1.	393.01			
TOTAL ESTIMATED CONSTRUCTION COST			\$6,971,272.01		\$3,049,802.64	\$376,082.05	\$	1,794,218.91	\$289,964.38	\$7	760,265.44	\$59,160.50	\$206,65	1.26	\$40,378.03	\$244,4	29.52 \$40,732.83		\$102,032.04	\$7,552.43

\$6,971,272.01 \$6,971,272.01

LEGEND
Per County cost share policy:
REMOVALS - 100% OF 20%
TRAIL - 50% OF 20%
MILL AND OVERLAY - 100% of 20%
TRAFFIC SIGNAL - 50% (TWO LEGS)
RETAINING WALL - 50% of 20%
TRAVEL LANES - 100% of 20%
SIDEWALK - 100% REPLACEMENT of 20%
TURF RESTORATION - 100% of 20%
Storm Sewer - % SA Eligible