

**RAMSEY COUNTY
COOPERATIVE AGREEMENT
WITH THE CITY OF SAINT PAUL FOR
Reconstruction of Randolph Avenue (County State Aid Highway 38)
between Syndicate Street and I-35E
S.A.P. 062-638-006 and M.S.A.P. 164-020-131
Reconstruction of Lexington Parkway (County State Aid Highway 51)
between Juno Avenue and James Avenue
S.A.P. 062-651-050
Accessible Pedestrian Signals and Pedestrian Ramps at
Randolph Avenue and I-35E
S.A.P 062-638-007**

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 the reconstruction of Randolph Avenue ("Project") between Brimhall Street and Syndicate Street, Lexington Parkway between Juno Avenue and James Avenue, and Randolph and I-35E.

WITNESSETH:

WHEREAS, the City and the County desire to proceed with the Project; and

WHEREAS, the Project is identified in Ramsey County's Transportation Improvement Program; and

WHEREAS, Randolph Avenue, in the area affected by reconstruction, is designated County State Aid Highway (CSAH) 38 and Lexington Parkway is designated County State Aid Highway (CSAH) 51; and

WHEREAS, the Project has been designated by the Minnesota Department of Transportation (Mn/DOT) as eligible for County State Aid Highway funds; and

WHEREAS, the Project has been designated as State Aid Project (S.A.P.) S.P. 062-638-004 and St. Paul Municipal State Aid (MSA) 164-020-131 from State Project Funds 6280-384; and

WHEREAS, the subject street segment is located entirely within the City; and

WHEREAS, the proposed Project includes, in addition to other items, grading, paving, concrete curb and gutter, pedestrian curb ramps, traffic signals, accessible pedestrian

signals, landscaping, turf establishment, utility adjustments and betterments, and related features; and

WHEREAS, the City will purchase and install APS for the traffic signals Accessible Pedestrian Signals at Randolph Avenue and I-35E. The APS systems shall include all components necessary to be a fully functioning and operational system meeting all applicable Guidelines; said installations shall include but not be limited to: installation of handholes, conduit, conductors, push button stations, signal pedestal poles, and necessary appurtenances.

WHEREAS, construction of storm sewer systems will be constructed as part of the Project in accordance with municipal ordinances and local watershed rules; and

WHEREAS, plans for the Project showing proposed construction will be presented to the City and will be on file at Ramsey County Public Works Department; and

NOW, THEREFORE, IT IS HEREBY MUTUALLY AGREED AS FOLLOWS:

1. The Whereas recitals set forth in this Agreement are hereby made a part of this Agreement as if set out in full.
2. Responsibility for Design Engineering
 - 2.1. Except for those portions identified below, the County will prepare plans, specifications, and proposals for the Project, which will include, among other things, the proposed reconstruction, alignment, profiles, grades, cross sections, paving, concrete curb and gutter, medians, storm sewer, pedestrian curb ramps, turf establishment, traffic signals, street lighting, accessible pedestrian signals, and utility replacement and adjustments.
 - 2.1.1. The City will prepare plans and specifications for the traffic signals and lighting to be incorporated into the plans and specifications prepared by the County.
 - 2.1.2. The County will indicate which sanitary sewer services need to be replaced on the project plans.
 - 2.2. Any costs associated with Project revisions after the completion of plans and specifications will be paid for by the party requesting the revisions. Revisions must be consistent with Mn/DOT State Aid requirements and are subject to approval by the County.
3. Procurement and Award of Contract
 - 3.1. The County will take bids in accordance with state law and County rules.

3.2. The County 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 County will request the City's concurrence to award a contract to the lowest responsible bidder.

3.4. The County will award a contract, and pay the contractor from the County State Aid Highway, Municipal State Aid Highway, State Funds, and local funds identified for the Project.

4. Responsibility for Construction Engineering

4.1. Except for those portions identified below, the County shall perform or contract the performance of the construction engineering for all elements of the Project.

4.1.1. The City will provide construction engineering for traffic signal, temporary traffic signal, and street lighting installation.

4.1.2. The City will provide construction engineering for sanitary sewer service installation.

4.1.3. The City will provide construction engineering for Accessible Pedestrian Signals at Randolph Avenue and I-35E.

5. Project Costs

5.1. An estimate of the City's share of the Project costs is attached as Exhibit A, (Cost Participation Based on Engineer's Estimate). Quantities and unit prices in Exhibit A are estimates. Actual costs shall be based on the contract unit prices and the quantities constructed.

5.2. Except as provided herein, the County and City will participate in the costs of construction in accordance with the Ramsey County Cost Participation Policy, attached as Exhibit C. If there is a conflict between Exhibit C and this Agreement, this Agreement will prevail.

5.2.1. The costs of contractor mobilization, field office operation, erosion control supervisor, and traffic control will be allocated based upon cost participation percentages for the entire Project and based on contract unit prices and quantities at the time of contract award. No adjustments in the allocation will be made if unit prices or quantities vary during construction.

5.2.2. The costs of storm sewer construction needed for Project drainage will be split between the County and City in accordance with the MnDOT Hydraulics Memorandum, attached as Exhibit B.

5.2.3. The City will pay 100% of the sanitary sewer service improvements on the Project and will reimburse the County for all costs for sanitary sewer service improvements.

5.2.4. The City will pay 100% of the cost of street lighting construction on the Project.

5.2.5. The City will supply the signal system cabinet and emergency vehicle preemption equipment which will be paid for under a separate force account agreement.

5.2.6. The City will supply the Accessible Pedestrian Signals at Randolph Avenue and I-35E and installation which will be paid for under a separate force account agreement.

5.3. Design Engineering Costs

5.3.1. The City shall pay the County a design engineering fee equal to 12% of the portion of the Project Costs for which the City participates, except as provided below. An estimate of the City's design engineering fee is provided within Exhibit A.

5.3.2. The City shall pay the County a design engineering fee equal to 2% of the project costs related to street lighting and sanitary sewer services.

5.3.3. The City shall be credited a design engineering fee equal to 10% of project costs related to traffic signals on County legs.

5.3.4. Design engineering fees shall be calculated based on the quantities and unit prices at the time of contract award.

5.4. Construction Engineering and Administration Costs

5.4.1. The City shall pay the County a construction engineering and administration fee equal to 12% of the portion of the Project Costs for which the City participates, except as provided below. An estimate of the City's construction engineering fee is provided within Exhibit A.

5.4.2. The City shall pay the County a construction engineering and administration fee equal to 2% of the project costs related to street lighting and sanitary sewer services.

5.4.3. The City shall be credited a construction engineering fee equal to 10% for the project costs related to traffic signals on City legs.

5.4.4. The City shall be credited a construction engineering fee equal to 10% for the project costs related to Accessible Pedestrian Signals at Randolph Avenue and I-35E

5.4.5. Construction engineering and administration fees shall be calculated based on the final contract quantities and unit prices.

6. Payment Schedule

6.1. Design engineering will be invoiced at the time of contract award.

6.2. The County will invoice the City for construction costs incurred on a monthly basis or as determined by the payment schedule for the contractor.

6.3. Construction engineering will be invoiced at the time of substantial project completion, as determined by the County.

6.4. Payment will be made within 30 days of receipt of an invoice.

7. Maintenance Responsibility for Project Elements

7.1. Upon completion of the Project, the County shall own all elements of the Project, except as provided below.

7.2. The City shall own storm sewer catch basins, manholes, and laterals that are located on City streets. Exhibit D attached, references ownership responsibility of the storm water manholes, catch basins and laterals.

7.3. County owned storm sewer catch basins and laterals will be maintained by the City in accordance with Joint Powers Agreement between Ramsey County and the City of St. Paul, Council File 93-1974.

7.4. The City shall own and maintain the storm sewer trunk lines within the Project.

7.5. Storm and sanitary sewer laterals and drains servicing private property are owned and maintained by the City or the respective property owners, pursuant to City agreements and policy.

7.6. The City shall own and maintain street lights.

- 7.7. The City shall own traffic signals that direct City streets.
- 7.8. Traffic signals will be maintained by the City in accordance with Joint Powers Agreement between Ramsey County and the City of St. Paul, Council File 93-1974.
- 7.9. The City shall own and maintain the boulevard trees.
8. The City grants the County temporary construction easements over all City owned rights-of-way and property within the limits of the Project for use during construction at no cost to the County.
9. The County and the City agree that, except as otherwise expressly provided herein, each party will be responsible for its own acts and the results thereof to the extent authorized by law and shall not be responsible for the acts of any others and the results thereof. Liability shall be governed by applicable law. Without limiting the foregoing, liability of the parties shall be governed by the provisions of Minnesota Statutes Chapter 466 (Tort Liability, Political Subdivisions) or 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.

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CITY OF SAINT PAUL, MINNESOTA

By: _____
Mayor

Date: _____

By: _____
Director of Public Works

Date: _____

Approved by the Office of Financial Services:

By: _____

Approved as to Form:

By: _____
City Attorney

RAMSEY COUNTY, MINNESOTA

Julie Kleinschmidt, County Manager

Date: _____

Approval recommended:

James E. Tolaas, Director
Public Works Department

Approved as to form:

Assistant County Attorney

RANDOLPH SYDICATE STREET TO 325' EAST OF LEXINGTON PARKWAY Exhibit A						PARTICIPATING												NON PARTICIPATING					
						RANDOLPH AVENUE SAP 062-638-006				LEXINGTON PARKWAY SAP 062-651-050				RANDOLPH AVENUE SAP 164-020-131		RANDOLPH AVENUE SAP 164-020-131		RANDOLPH AVENUE SAP 164-020-131		CITY OF ST. PAUL		WATER IMPROVEMENTS 100% SPRWS	
						ROADWAY		STORM SEWER		ROADWAY		STORM SEWER		CITY OF ST. PAUL 50/50		CITY OF ST. PAUL 75/25		CITY OF ST. PAUL		ESTIMATED QUANTITY	AMOUNT	ESTIMATED QUANTITY	AMOUNT
ITEM NUMBER	ITEM	UNIT	TOTAL ESTIMATED QUANTITY	UNIT PRICE	AMOUNT	ESTIMATED QUANTITY	AMOUNT	ESTIMATED QUANTITY	AMOUNT	ESTIMATED QUANTITY	AMOUNT	ESTIMATED QUANTITY	AMOUNT	ESTIMATED QUANTITY	AMOUNT	ESTIMATED QUANTITY	AMOUNT	ESTIMATED QUANTITY	AMOUNT	ESTIMATED QUANTITY	AMOUNT		
2021.501	MOBILIZATION	LUMP SUM	1	\$100,000.00	\$100,000.00	0.61	\$61,000.00			0.16	\$16,000.00			0.08	\$8,000.00	0.02	\$2,000.00	0.05	\$5,000.00	0.04	\$4,000.00	0.04	\$4,000.00
2031.501	FIELD OFFICE TYPE D - MODIFIED	EACH	1	\$8,660.00	\$8,660.00	0.61	\$8,660.00			0.16	\$1,385.60			0.08	\$692.80	0.02	\$173.20	0.05	\$433.00	0.04	\$346.40	0.04	\$346.40
2101.502	CLEARING	TREE	35	\$300.00	\$10,500.00	17	\$5,100.00			18	\$5,400.00												
2101.507	GRUBBING	TREE	36	\$100.00	\$3,600.00	18	\$1,800.00			18	\$1,800.00												
2102.502	PAVEMENT MARKING REMOVAL	LIN FT	550	\$0.65	\$357.50	100	\$65.00			450	\$292.50												
2104.501	REMOVE SEWER PIPE (STORM)	LIN FT	3,976	\$9.10	\$36,181.60	3,872	\$35,235.20			104	\$946.40												
2104.501	REMOVE CURB AND GUTTER	LIN FT	6,440	\$2.90	\$18,676.00	5,002	\$14,505.80			1,438	\$4,170.20												
2104.501	REMOVE SANITARY SERVICE PIPE	LIN FT	1,528	\$1.20	\$1,833.60															1528	\$1,833.60		
2104.503	REMOVE BITUMINOUS WALK	SQ FT	1,471	\$0.82	\$1,206.22	1,471	\$1,206.22																
2104.503	REMOVE CONCRETE WALK	SQ FT	31,241	\$0.89	\$27,804.49	25,410	\$22,614.90			5,831	\$5,189.59												
2104.505	REMOVE CONCRETE PAVEMENT	SQ YD	71	\$12.70	\$901.70	71	\$901.70																
2104.505	REMOVE PAVEMENT SPECIAL	SQ YD	13,341	\$10.70	\$142,748.70	11,513	\$123,189.10			1,828	\$19,559.60												
2104.505	REMOVE BITUMINOUS PAVEMENT	SQ YD	6,000	\$2.95	\$17,700.00	6,000	\$17,700.00																
2104.505	REMOVE CONCRETE DRIVEWAY PAVEMENT	SQ YD	329	\$7.80	\$2,566.20	94	\$733.20			235	\$1,833.00												
2104.509	REMOVE LIGHTING UNIT	EACH	1	\$249.00	\$249.00													1	\$249.00				
2104.509	REMOVE MANHOLE OR CATCHBASIN	EACH	31	\$546.00	\$16,926.00	27	\$14,742.00			4	\$2,184.00												
2104.509	REMOVE CASTING	EACH	5	\$156.00	\$780.00	1	\$156.00			4	\$624.00												
2104.509	REMOVE LIGHT FOUNDATION	EACH	1	\$546.00	\$546.00													1	\$546.00				
2104.509	REMOVE SIGN TYPE C	EACH	52	\$40.00	\$2,080.00	41	\$1,640.00			11	\$440.00												
2104.509	REMOVE SIGNAL SYSTEM A	EACH	1	\$15,100.00	\$15,100.00									1	\$15,100.00								
2104.509	REMOVE SIGNAL SYSTEM B	EACH	1	\$15,100.00	\$15,100.00	1	\$15,100.00																
2104.511	SAWING CONCRETE PAVEMENT (FULL DEPTH)	LIN FT	353	\$4.00	\$1,412.00	353	\$1,412.00																
2104.513	SAWING BIT PAVEMENT (FULL DEPTH)	LIN FT	621	\$3.50	\$2,173.50	248	\$868.00			373	\$1,305.50												
2104.523	SALVAGE SIGN	EACH	19	\$40.00	\$760.00	10	\$400.00			9	\$360.00												
2104.601	REMOVE INTERCONNECT	LUMP SUM	1	\$3,800.00	\$3,800.00									1	\$3,800.00								
2104.618	REMOVE BRICK PAVERS	SQ FT	244	\$3.85	\$939.40	244	\$939.40																
2105.501	COMMON EXCAVATION (EV) (P)	CU YD	14,701	\$17.60	\$258,737.60	10,351	\$182,177.60			4,350	\$76,560.00												
2105.522	SELECT GRANULAR BORROW (CV) (P)	CU YD	11,604	\$22.10	\$256,448.40	8,313	\$183,717.30			3,291	\$72,731.10												
2105.523	COMMON BORROW (CV) (P)	CU YD	624	\$8.20	\$5,116.80	479	\$3,927.80			145	\$1,189.00												
2105.607	HAUL AND DISPOSE OF CONTAMINATED MATERIAL	CU YD	376	\$56.10	\$21,093.60	100	\$5,610.00													176	\$9,873.60	100	\$5,610.00
2123.610	TRACTOR MOUNTED BACKHOE	HOUR	150	\$214.00	\$32,100.00	100	\$21,400.00			50	\$10,700.00												
2123.610	STREET SWEEPER (WITH PICKUP BROOM)	HOUR	125	\$140.00	\$17,500.00	100	\$14,000.00			25	\$3,500.00												
2130.501	WATER	M GALLON	100	\$21.80	\$2,180.00	75	\$1,635.00			25	\$545.00												
2211.503	AGGREGATE BASE CLASS 6 (CV) (P)	CU YD	3,397	\$33.30	\$113,120.10	2,225	\$74,092.50			711	\$23,676.30			119	\$3,962.70	342	\$11,388.60						
2301.602	DRILL & GROUT REINFORCEMENT BAR	EACH	178	\$6.10	\$1,085.80	158	\$963.80			20	\$122.00												
2357.502	BITUMINOUS MATERIAL FOR TACK COAT	GALLON	1,545	\$2.85	\$4,403.25	911	\$2,596.35			359	\$1,023.15			70	\$199.50	205	\$584.25						
2360.501	TYPE SP 9.5 WEARING COURSE MIXTURE (3,B)	TON	150	\$103.00	\$15,450.00	150	\$15,450.00																
2360.501	TYPE SP 12.5 WEARING COURSE MIXTURE (4,F)	TON	3,538	\$60.70	\$214,756.60	2,081	\$126,316.70			822	\$49,895.40			163	\$9,894.10	472	\$28,650.40						
2360.502	TYPE SP 12.5 NON WEARING COURSE MIXTURE (4,B)	TON	2,666	\$50.80	\$135,432.80	1,573	\$79,908.40			617	\$31,343.60			122	\$6,197.60	354	\$17,983.20						
2360.505	TYPE SP 9.5 BIT MIXTURE FOR PATCHING	TON	40	\$147.00	\$5,880.00	20	\$2,940.00			20	\$2,940.00												
2451.609	GRANULAR BACKFILL	TON	2,042	\$2.85	\$5,819.70	180	\$513.00													317	\$903.45	1545	\$4,403.25
2502.541	4" PERF TP PIPE DRAIN	LIN FT	200	\$24.40	\$4,880.00	200	\$4,880.00																
2503.541	12" RC PIPE SEWER DES 3006 CL V	LIN FT	837	\$43.30	\$36,242.10			687	\$29,747.10			150	\$6,495.00										
2503.541	15" RC PIPE SEWER DES 3006 CL V	LIN FT	1,370	\$40.80	\$55,896.00			1354	\$55,243.20			16	\$652.80										
2503.541	18" RC PIPE SEWER DES 3006 CL V	LIN FT	159	\$44.50	\$7,075.50			159	\$7,075.50														
2503.541	21" RC PIPE SEWER DES 3006 CL V	LIN FT	8	\$65.10	\$520.80			8	\$520.80														
2503.601	TELEVIEW PROJECT SANITARY SEWER	LUMP SUM	1	\$5,130.00	\$5,130.00													1	\$5,130.00				
2503.602	CONSTRUCT BULKHEAD	EACH	15	\$494.00	\$7,410.00	10	\$4,940.00			5	\$2,470.00												
2503.602	CONNECT INTO EXISTING SANITARY SEWER	EACH	46	\$539.00	\$24,794.00															46	\$24,794.00		
2503.602	CONNECT INTO EXISTING STORM SEWER	EACH	10	\$1,200.00	\$12,000.00			8	\$9,600.00			2	\$2,400.00										
2503.603	6" PVC SANITARY SEWER PIPE SCHEDULE 40	LIN FT	1,528	\$46.90	\$71,663.20															1528	\$71,663.20		
2503.603	SANITARY SEWER SERVICE RECONNECTION	LIN FT	175	\$46.90	\$8,207.50																	175	\$8,207.50
2504.602	SERVICE STOP BOX	EACH	5	\$296.00	\$1,480.00																	5	\$1,480.00
2504.602	ADJUST SERVICE STOP BOX	EACH	2	\$182.00	\$364.00																	2	\$364.00
2504.602	REPAIR VALVE BOX	EACH	3	\$254.00	\$762.00																	3	\$762.00
2504.602	ADJUST VALVE BOX	EACH	29	\$413.00	\$11,977.00	25	\$10,325.00															4	\$1,652.00
2504.602	REPLACE VALVE BOX	EACH	3	\$615.00	\$1,845.00																	3	\$1,845.00
2504.602	WATER UTILITY HOLE	EACH	14	\$1,300.00	\$18,200.00																	14	\$18,200.00
2504.602	EXCAV FOR WATER MAIN OFFSET TRENCH/REPLACEMENT TRENCH	EACH	1	\$1,820.00	\$1,820.00	1	\$1,820.00																
2504.602	RECONSTRUCT SANITARY MANHOLE	EACH	13	\$1,760.00	\$22,880.00													13	\$22,880.00				
2504.603	WATER MAIN TRENCH	LIN FT	446	\$36.40	\$16,234.40																	446	\$16,234.40
2504.603																							

RANDOLPH SYDICATE STREET TO 325' EAST OF LEXINGTON PARKWAY Exhibit A						PARTICIPATING												NON PARTICIPATING					
						RANDOLPH AVENUE SAP 062-638-006				LEXINGTON PARKWAY SAP 062-651-050				RANDOLPH AVENUE SAP 164-020-131		RANDOLPH AVENUE SAP 164-020-131		RANDOLPH AVENUE SAP 164-020-131		CITY OF ST. PAUL		WATER IMPROVEMENTS 100% SPRWS	
						ROADWAY		STORM SEWER		ROADWAY		STORM SEWER		CITY OF ST. PAUL 50/50		CITY OF ST. PAUL 75/25		CITY OF ST. PAUL		ESTIMATED QUANTITY	AMOUNT	ESTIMATED QUANTITY	AMOUNT
ITEM NUMBER	ITEM	UNIT	TOTAL ESTIMATED QUANTITY	UNIT PRICE	AMOUNT	ESTIMATED QUANTITY	AMOUNT	ESTIMATED QUANTITY	AMOUNT	ESTIMATED QUANTITY	AMOUNT	ESTIMATED QUANTITY	AMOUNT	ESTIMATED QUANTITY	AMOUNT	ESTIMATED QUANTITY	AMOUNT	ESTIMATED QUANTITY	AMOUNT	ESTIMATED QUANTITY	AMOUNT		
2531.501	CONCRETE CURB & GUTTER DESIGN B624 (MODIFIED)	LIN FT	1,423	\$22.40	\$31,875.20					1,423	\$31,875.20												
2531.507	8" CONCRETE DRIVEWAY PAVEMENT	SQ YD	403	\$55.90	\$22,527.70	234	\$13,080.60																
2531.603	CONCRETE CURB DESIGN V	LIN FT	150	\$20.30	\$3,045.00	100	\$2,030.00			50	\$1,015.00												
2531.618	TRUNCATED DOMES	SQ FT	547	\$30.50	\$16,683.50	423	\$12,901.50			124	\$3,782.00												
2545.511	LIGHTING STANDARD TYPE L14	EACH	21	\$1,800.00	\$37,800.00											21	\$37,800.00						
2545.513	LUMINAIRE TYPE LED 100	EACH	21	\$981.00	\$20,601.00											21	\$20,601.00						
2545.515	LIGHT BASE FOUNDATION	EACH	21	\$535.00	\$11,235.00											21	\$11,235.00						
2545.523	1 1/2" NON METALLIC CONDUIT	LIN FT	4,950	\$1.35	\$6,682.50											4,950	\$6,682.50						
2545.531	1 C #4 AWG	LIN FT	14,950	\$1.40	\$20,930.00											14,950	\$20,930.00						
2545.531	1 C #8 AWG INSULATED	LIN FT	4,950	\$0.76	\$3,762.00											4,950	\$3,762.00						
2545.602	METERED LIGHTING SERVICE (POLE MOUNTED)	EACH	1	\$3,290.00	\$3,290.00											1	\$3,290.00						
2563.601	TRAFFIC CONTROL	LUMP SUM	1	\$24,500.00	\$24,500.00	0.61	\$14,945.00			0.16	\$3,920.00			0.08	\$1,960.00	0.02	\$490.00	0.05	\$1,225.00	0.04	\$980.00	0.04	\$980.00
2563.601	ALTERNATE PEDESTRIAN ROUTE	LUMP SUM	1	\$4,500.00	\$4,500.00	1	\$4,500.00																
2563.613	PORTABLE CHANGEABLE MESSAGE SIGN	UNIT DAY	84	\$125.00	\$10,500.00	56	\$7,000.00			28	\$3,500.00												
2564.531	SIGN PANEL TYPE C	SQ FT	226.67	\$54.90	\$12,444.18	123.06	\$6,755.99			103.61	\$5,688.19												
2564.531	SIGN PANEL TYPE D	SQ FT	78	\$39.90	\$3,112.20	78	\$3,112.20																
2564.537	INSTALL SIGN TYPE C	EACH	19	\$125.00	\$2,375.00	10	\$1,250.00			9	\$1,125.00												
2565.511	TRAFFIC CONTROL SIGNAL SYSTEM A	SIG SYS	1	\$134,200.00	\$134,200.00									1	\$134,200.00								
2565.511	TRAFFIC CONTROL SIGNAL SYSTEM B	SIG SYS	1	\$153,600.00	\$153,600.00	1	\$153,600.00																
2565.514	TRAFFIC CONTROL INTERCONNECT	LUMP SUM	1	\$43,700.00	\$43,700.00									1	\$43,700.00								
2565.616	TEMPORARY SIGNAL SYSTEM	SYS	1	\$54,100.00	\$54,100.00	1	\$54,100.00																
2571.502	DECIDUOUS TREE 2.5" CAL B&B	EACH	30	\$555.00	\$16,650.00	12	\$6,660.00			18	\$9,990.00												
2572.501	TEMPORARY FENCE (48" HIGH ORANGE PLASTIC)	LIN FT	1,996	\$1.90	\$3,792.40	1,800	\$3,420.00			196	\$372.40												
2572.502	CLEAN ROOT CUTTING	LIN FT	3,710	\$4.00	\$14,840.00	3,710	\$14,840.00																
2573.530	STORM DRAIN INLET PROTECTION	EACH	60	\$256.00	\$15,360.00	46	\$11,776.00			14	\$3,584.00												
2573.533	SEDIMENT CONTROL LOG TYPE COMPOST	LIN FT	400	\$5.50	\$2,200.00	300	\$1,650.00			100	\$550.00												
2573.535	STABILIZED CONSTRUCTION EXIT	LUMP SUM	1	\$4,970.00	\$4,970.00	1	\$4,970.00																
2573.550	EROSION CONTROL SUPERVISOR	LUMP SUM	1	\$3,140.00	\$3,140.00	0.61	\$1,915.40			0.16	\$502.40			0.08	\$251.20	0.02	\$62.80	0.05	\$157.00	0.04	\$125.60	0.04	\$125.60
2574.508	FERTILIZER TYPE 3	POUND	235	\$1.00	\$235.00	184	\$184.00			51	\$51.00												
2574.525	COMMON TOPSOIL BORROW (LV)	CU YD	356	\$48.00	\$17,088.00	279	\$13,392.00			77	\$3,696.00												
2575.505	SODDING TYPE LAWN	SQ YD	3,245	\$5.65	\$18,334.25	2,539	\$14,345.35			706	\$3,988.90												
2575.513	MULCH MATERIAL TYPE 6	CU YD	59	\$44.30	\$2,613.70	50	\$2,215.00			9	\$398.70												
2575.562	HYDRAULIC MATRIX TYPE MULCH	POUND	1,409	\$1.40	\$1,972.60	1,102	\$1,542.80			307	\$429.80												
2581.501	REMOVABLE PREFORMED PAVEMENT MARKING TAPE	LIN FT	400	\$1.20	\$480.00	200	\$240.00			200	\$240.00												
2582.501	PAVT MESSG EPOXY	SQ FT	157.8	\$8.70	\$1,372.86	30	\$261.00			127.8	\$1,111.86												
2582.502	4" SOLID LINE PAINT	LIN FT	4,200	\$0.14	\$588.00	2,800	\$392.00			1,400	\$196.00												
2582.502	4" SOLID DOUBLE LINE PAINT	LIN FT	3,400	\$0.27	\$918.00	2,300	\$621.00			1,100	\$297.00												
2582.502	4" SOLID LINE EPOXY	LIN FT	4,245	\$0.34	\$1,443.30	2,824	\$960.16			1,421	\$483.14												
2582.502	4" BROKEN LINE EPOXY	LIN FT	178	\$0.34	\$60.52	70	\$23.80			108	\$36.72												
2582.502	4" DOTTED LINE EPOXY	LIN FT	34	\$4.80	\$163.20					34	\$163.20												
2582.502	8" DOTTED LINE EPOXY	LIN FT	51	\$7.85	\$400.35	27	\$211.95			24	\$188.40												
2582.502	12" SOLID LINE EPOXY	LIN FT	1,087	\$3.95	\$4,293.65	1,087	\$4,293.65																
2582.502	4" SOLID DOUBLE LINE EPOXY	LIN FT	3,468	\$0.69	\$2,392.92	2,360	\$1,628.40			1,108	\$764.52												
2582.502	24" SOLID LINE EPOXY	LIN FT	140	\$8.00	\$1,120.00	60	\$480.00			80	\$640.00												
TOTALS					\$2,956,970.39	\$1,612,087.22	\$201,263.00	\$445,404.82	\$24,184.80	\$227,957.90	\$61,332.45	\$152,384.50	\$114,519.85	\$117,835.85									

RANDOLPH AVENUE EAST AND WEST RAMPS AT I-35E Exhibit A						PARTICIPATING	
						RANDOLPH AVENUE SP 6280-384 (TH-35E) SAP 062-638-007	
ITEM NUMBER	ITEM	UNIT	TOTAL ESTIMATED QUANTITY	UNIT PRICE	AMOUNT	ESTIMATED QUANTITY	AMOUNT
2021.501	MOBILIZATION	LUMP SUM	1	\$3,500.00	\$3,500.00	1	\$3,500.00
2104.501	REMOVE CURB AND GUTTER	LIN FT	207	\$12.70	\$2,628.90	207	\$2,628.90
2104.503	REMOVE BITUMINOUS WALK	SQ FT	192	\$4.45	\$854.40	192	\$854.40
2104.503	REMOVE CONCRETE WALK	SQ FT	1,557	\$2.35	\$3,658.95	1,557	\$3,658.95
2104.505	REMOVE CONCRETE PAVEMENT	SQ YD	18	\$34.80	\$626.40	18	\$626.40
2104.509	REMOVE PEDESTAL FOUNDATION	EACH	3	\$650.00	\$1,950.00	3	\$1,950.00
2104.509	REMOVE HANDHOLE	EACH	8	\$250.00	\$2,000.00	8	\$2,000.00
2104.511	SAWING CONCRETE PAVEMENT (FULL DEPTH)	LIN FT	190	\$8.00	\$1,520.00	190	\$1,520.00
2104.523	SALVAGE SIGN TYPE C	EACH	4	\$40.00	\$160.00	4	\$160.00
2104.603	REMOVE & REPLACE BITUMINOUS PAVEMENT	LIN FT	26	\$77.90	\$2,025.40	26	\$2,025.40
2105.501	COMMON EXCAVATION (EV)	CU YD	13	\$86.60	\$1,125.80	13	\$1,125.80
2123.610	STREET SWEEPER (WITH PICKUP BROOM)	HOUR	5	\$140.00	\$700.00	5	\$700.00
2301.602	DRILL & GROUT REINF BAR (EPOXY COATED)	EACH	197	\$6.10	\$1,201.70	197	\$1,201.70
2506.522	ADJUST FRAME AND RING CASTING	EACH	1	\$767.00	\$767.00	1	\$767.00
2521.501	4" CONCRETE WALK	SQ FT	1,820	\$6.30	\$11,466.00	1,820	\$11,466.00
2521.618	6" CONCRETE WALK	SQ FT	914	\$7.80	\$7,129.20	914	\$7,129.20
2531.501	CONCRETE CURB & GUTTER DESIGN B624	LIN FT	370	\$26.40	\$9,768.00	370	\$9,768.00
2531.603	CONCRETE CURB DESIGN V	LIN FT	20	\$25.40	\$508.00	20	\$508.00
2531.618	TRUNCATED DOMES	SF	204	\$30.50	\$6,222.00	204	\$6,222.00
2563.601	TRAFFIC CONTROL	LUMP SUM	1	\$2,000.00	\$2,000.00	1	\$2,000.00
2563.601	ALTERNATE PEDESTRIAN ROUTE	LUMP SUM	1	\$500.00	\$500.00	1	\$500.00
2564.537	INSTALL SIGN TYPE C	EACH	4	\$125.00	\$500.00	4	\$500.00
2573.530	STORM DRAIN INLET PROTECTION	EACH	4	\$220.00	\$880.00	4	\$880.00
2573.550	EROSION CONTROL SUPERVISOR	LUMP SUM	1	\$843.00	\$843.00	1	\$843.00
2575.602	SITE RESTORATION	EACH	8	\$668.00	\$5,344.00	8	\$5,344.00
2582.503	CROSSWALK PREFORM THERMOPLASTIC GROUND IN	SQ FT	792	\$17.90	\$14,176.80	792	\$14,176.80
TOTALS					\$82,055.55	\$82,055.55	

Randolph, Syndicate to Lexington
Randolph, East and West Ramps at 35E

2956970.393
\$82,055.55

Projects Combined Total

\$3,039,025.94

EXHIBIT A - COST PARTICIPATION - BASED ON ENGINEERS ESTIMATE

COST PARTICIPATION - CITY OF SAINT PAUL (BIKE LANES)
 12% DESIGN ENGINEERING FEE AND 12% CONSTRUCTION ENGINEERING FEE

ITEM NUMBER	ITEM	UNIT	TOTAL ESTIMATED QUANTITY	UNIT PRICE	AMOUNT
2021.501	MOBILIZATION	LUMP SUM	0.08	\$ 100,000.00	\$ 8,000.00
2031.501	FIELD OFFICE TYPE D - MODIFIED	EACH	0.08	\$ 8,660.00	\$ 692.80
2211.503	AGGREGATE BASE , CLASS 6 (CV) (P)	CU YD	119	\$ 33.30	\$ 3,962.70
2357.502	BITUMINOUS MATERIAL FOR TACK COAT	GALLON	70	\$ 2.85	\$ 199.50
2360.501	TYPE SP 12.5 WEARING COURSE MIXTURE (4,F)	TON	163	\$ 60.70	\$ 9,894.10
2360.502	TYPE SP 12.5 NON WEARING COURSE MIXTURE (4,B)	TON	122	\$ 50.80	\$ 6,197.60
2563.601	TRAFFIC CONTROL	LUMP SUM	0.08	\$ 24,500.00	\$ 1,960.00
2573.550	EROSION CONTROL SUPERVISOR	LUMP SUM	0.08	\$ 3,140.00	\$ 251.20
SUBTOTAL					\$ 31,157.90

50% CITY OF ST.PAUL	\$ 15,578.95
12% DESIGN ENGINEERING	\$ 1,869.47
12% CONSTRUCTION ENGINEERING	\$ 1,869.47
<u>CITY ST. PAUL TOTAL</u>	<u>\$ 19,317.90</u>

COST PARTICIPATION - CITY OF SAINT PAUL (SIGNAL SYSEMS)
 10% DESIGN ENGINEERING CREDIT AND 10% CONSTRUCTION ENGINEERING CREDIT (ON TOTAL SIGNALS COST)

ITEM NUMBER	ITEM	UNIT	TOTAL ESTIMATED QUANTITY	UNIT PRICE	AMOUNT
2104.509	REMOVE SIGNAL SYSTEM A	EACH	1	\$ 15,100.00	\$ 15,100.00
2104.601	REMOVE INTERCONNECT	LUMP SUM	1	\$ 3,800.00	\$ 3,800.00
2565.511	TRAFFIC CONTROL SIGNAL SYSTEM A	SIG SYS	1	\$ 134,200.00	\$ 134,200.00
2565.514	TRAFFIC CONTROL INTERCONNECT	LUMP SUM	1	\$ 43,700.00	\$ 43,700.00
SUBTOTAL					\$ 196,800.00

50% CITY OF ST.PAUL	\$ 98,400.00
TOTAL COST OF ALL SIGNALS AND INTERCONNECT	\$ 361,700.00
CREDIT 10% DESIGN ENGINEERING	\$ (36,170.00)
CREDIT 10% CONSTRUCTION ENGINEERING	\$ (36,170.00)
<u>CITY ST. PAUL TOTAL</u>	<u>\$ 26,060.00</u>

EXHIBIT A - COST PARTICIPATION - BASED ON ENGINEERS ESTIMATE

COST PARTICIPATION - CITY OF SAINT PAUL (PARKING LANES)
 12% DESIGN ENGINEERING FEE AND 12% CONSTRUCTION ENGINEERING FEE

ITEM NUMBER	ITEM	UNIT	TOTAL ESTIMATED QUANTITY	UNIT PRICE	AMOUNT
2021.501	MOBILIZATION	LUMP SUM	0.02	\$ 100,000.00	\$ 2,000.00
2031.501	FIELD OFFICE TYPE D - MODIFIED	EACH	0.02	\$ 8,660.00	\$ 173.20
2211.503	AGGREGATE BASE , CLASS 6 (CV) (P)	CU YD	342	\$ 33.30	\$ 11,388.60
2357.502	BITUMINOUS MATERIAL FOR TACK COAT	GALLON	205	\$ 2.85	\$ 584.25
2360.501	TYPE SP 12.5 WEARING COURSE MIXTURE (4,F)	TON	472	\$ 60.70	\$ 28,650.40
2360.502	TYPE SP 12.5 NON WEARING COURSE MIXTURE (4,B)	TON	354	\$ 50.80	\$ 17,983.20
2563.601	TRAFFIC CONTROL	LUMP SUM	0.02	\$ 24,500.00	\$ 490.00
2573.550	EROSION CONTROL SUPERVISOR	LUMP SUM	0.02	\$ 3,140.00	\$ 62.80
SUBTOTAL					\$ 61,332.45

75% CITY OF ST.PAUL	\$ 45,999.34
12% DESIGN ENGINEERING	\$ 5,519.92
12% CONSTRUCTION ENGINEERING	\$ 5,519.92
CITY ST. PAUL TOTAL	\$ 57,039.18

COST PARTICIPATION - CITY OF SAINT PAUL (SANITARY SEWER)
 2% DESIGN ENGINEERING FEE AND 2% CONSTRUCTION ENGINEERING FEE

ITEM NUMBER	ITEM	UNIT	TOTAL ESTIMATED QUANTITY	UNIT PRICE	AMOUNT
2021.501	MOBILIZATION	LUMP SUM	0.05	\$ 100,000.00	\$ 5,000.00
2031.501	FIELD OFFICE TYPE D - MODIFIED	EACH	0.05	\$ 8,660.00	\$ 433.00
2503.601	TELEWISE PROJECT SANITARY SEWER	LUMP SUM	1	\$ 5,130.00	\$ 5,130.00
2504.602	RECONSTRUCT SANITARY MANHOLE	EACH	13	\$ 1,760.00	\$ 22,880.00
2506.516	CASTING ASSEMBLY	EACH	16	\$ 779.00	\$ 12,464.00
2563.601	TRAFFIC CONTROL	LUMP SUM	0.05	\$ 24,500.00	\$ 1,225.00
2573.550	EROSION CONTROL SUPERVISOR	LUMP SUM	0.05	\$ 3,140.00	\$ 157.00
SUBTOTAL					\$ 47,289.00

100% CITY OF ST.PAUL	\$ 47,289.00
2% DESIGN ENGINEERING	\$ 945.78
2% CONSTRUCTION ENGINEERING	\$ 945.78
CITY ST. PAUL TOTAL	\$ 49,180.56

EXHIBIT A - COST PARTICIPATION - BASED ON ENGINEERS ESTIMATE

COST PARTICIPATION - CITY OF SAINT PAUL (LIGHTING)
 10% DESIGN ENGINEERING CREDIT AND 10% CONSTRUCTION ENGINEERING CREDIT

ITEM NUMBER	ITEM	UNIT	TOTAL ESTIMATED QUANTITY	UNIT PRICE	AMOUNT
2104.509	REMOVE LIGHTING UNIT	EACH	1	\$ 249.00	\$ 249.00
2104.509	REMOVE LIGHT FOUNDATION	EACH	1	\$ 546.00	\$ 546.00
2545.511	LIGHTING STANDARD TYPE L14	EACH	21	\$ 1,800.00	\$ 37,800.00
2545.513	LUMINAIRE TYPE LED 100	EACH	21	\$ 981.00	\$ 20,601.00
2545.515	LIGHT BASE FOUNDATION	EACH	21	\$ 535.00	\$ 11,235.00
2545.523	1 1/2" NON METALLIC CONDUIT	LIN FT	4950	\$ 1.35	\$ 6,682.50
2545.531	1 C #4 AWG	LIN FT	14950	\$ 1.40	\$ 20,930.00
2545.531	1 C #8 AWG INSULATED	LIN FT	4950	\$ 0.76	\$ 3,762.00
2545.602	METERED LIGHTING SERVICE (POLE MOUNTED)	EACH	1	\$ 3,290.00	\$ 3,290.00
SUBTOTAL					\$ 105,095.50

100% CITY OF ST.PAUL	\$ 105,095.50
10% DESIGN ENGINEERING	\$ (10,509.55)
10% CONSTRUCTION ENGINEERING	\$ (10,509.55)
<u>CITY ST. PAUL TOTAL</u>	<u>\$ 84,076.40</u>

COST PARTICIPATION - CITY OF SAINT PAUL NON PARTICIPATING (SANITARY SERVICES)
 2% DESIGN ENGINEERING FEE AND 2% CONSTRUCTION ENGINEERING FEE

ITEM NUMBER	ITEM	UNIT	TOTAL ESTIMATED QUANTITY	UNIT PRICE	AMOUNT
2021.501	MOBILIZATION	LUMP SUM	0.04	\$ 100,000.00	\$ 4,000.00
2031.501	FIELD OFFICE TYPE D - MODIFIED	EACH	0.04	\$ 8,660.00	\$ 346.40
2104.501	REMOVE SANITARY SERVICE PIPE	LIN FT	1528	\$ 1.20	\$ 1,833.60
2105.607	HAUL AND DISPOSE OF CONTAMINATED MATERIAL	CU YD	176	\$ 56.10	\$ 9,873.60
2451.609	GRANULAR BACKFILL	TON	317	\$ 2.85	\$ 903.45
2503.602	CONNECT INTO EXISTING SANITARY SEWER	EACH	46	\$ 539.00	\$ 24,794.00
2503.603	6" PVC SANITARY SEWER PIPE SCHEDULE 40	LIN FT	1528	\$ 46.90	\$ 71,663.20
2563.601	TRAFFIC CONTROL	LUMP SUM	0.04	\$ 24,500.00	\$ 980.00
2573.550	EROSION CONTROL SUPERVISOR	LUMP SUM	0.04	\$ 3,140.00	\$ 125.60
SUBTOTAL					\$ 114,519.85

100% CITY OF ST.PAUL	\$ 114,519.85
2% DESIGN ENGINEERING	\$ 2,290.40
2% CONSTRUCTION ENGINEERING	\$ 2,290.40

EXHIBIT A - COST PARTICIPATION - BASED ON ENGINEERS ESTIMATE

CITY ST. PAUL TOTAL

\$ 119,100.64



Minnesota Department of Transportation

Memo

Exhibit B

Bridge Office
3485 Hadley Avenue North
Oakdale, MN 55128-3307

Date: September 14, 2015

To: Dan Erickson
Metro Division State Aid Engineer
ATTN.: Rob Wielinski, Metro State Aid

From: Juanita Voigt
State Aid Hydraulic Specialist 

Phone: (651) 366-4469

Subject: **SAP 062-638-006 (Randolph Avenue)**
From Syndicate Street to 325 feet east of Lexington Parkway
Storm Sewer in **Ramsey County** (City of Saint Paul)

We have completed our review of the storm sewer features of the above referenced reconstruction plan and find that State Aid funds can bear 100% of the eligible storm sewer costs.

The proposed improvements conform to State Aid standards and the State Aid Division will make further review of the plan.

Unless you wish to recommend modifying the amount of participation, the State Aid Division will use the above percentage.

We are forwarding a copy of this report to Jim Tolaas, Ramsey County Engineer, and to Nick Fischer, P.E., Ramsey County Project Engineer, for their information.

If you have any questions regarding this approval or proration, please do not hesitate to call.

CC: Andrea Hendrickson (file)
EC: Jim Tolaas, Ramsey County Engineer
Nick Fischer, P.E., Ramsey County Project Engineer



Department of Public Works Cost Participation Policy

Exhibit C

Ramsey County Public Works Cost Participation Policy for the Reconstruction and Major Maintenance of County Roads and County State Aid Highways

ITEM:	COUNTY SHARE:	NOTES:
Right of Way	50%	County cost participation on right of way acquisition may be reduced or eliminated where the acquisition is specifically for detached trails, aesthetics, or special design elements requested by municipalities or other project partners. County participation on right of way acquisition applies only to construction projects and shall be 0% for maintenance projects, except where additional right of way is required to accommodate improvements within the curb or shoulder line.
Removals	100%	
Travel Lanes	100%	
ITEM:	COUNTY SHARE:	NOTES:

Parking Lanes	25%	100% in cities under 5,000 population or in White Bear Township. 100% on maintenance pavement preservation projects.
Shoulders	100%	100% of the width required to meet State Aid design standards. 100% in cities under 5,000 population or in White Bear Township. 100% on maintenance pavement preservation projects. 50% outside of the required width.
Concrete Curb & Gutter (new)	25%	
Concrete Curb & Gutter (replacement)	100%	100% if in serviceable condition, as determined by the County Engineer; otherwise negotiable. 100% of curb and gutter as part of median construction required for traffic channelization or to serve as a pedestrian refuge.
Storm Sewer	% Eligible for State Aid	
Culverts	100%	
ITEM:	COUNTY SHARE:	NOTES:

Water Main Modification	100%	100%, if required for construction. 0% on betterments.
Sanitary Sewer Modification	100%	100%, if required for construction. . 0% on betterments
Private Utility Relocation	0%	
Traffic Signals	100% of County Legs	Traffic Signal construction is addressed in a separate policy (County Board Resolution 81-1001). Electrical power shall be paid by the municipality.
Roundabouts	100% of County Legs	
Retaining Walls	50%	50% when retaining walls are constructed in lieu of right of way acquisition or to mitigate impacts; by negotiation when necessitated by design parameters.
ITEM:	COUNTY SHARE:	NOTES:

Grading Outside of Curb	100%	100% of area required for road construction. 50% of grading required specifically for sidewalks, trails, or other amenities.
Medians	100%	100% of a standard concrete median design, including curb and gutter; municipalities shall pay for the additional cost of any decorative or aesthetic treatments.
Sidewalks (new)	50%	Includes grading, aggregate base, surfacing, and ADA- compliant pedestrian ramps.
Sidewalks (replacement)	100%	100% if in serviceable condition, as determined by the County Engineer; otherwise negotiable.
Bituminous Trail (new)	50%	Includes grading, aggregate base, surfacing, and ADA-compliant pedestrian ramps.
Bituminous Trail (replacement)	100%	100% if in serviceable condition, as determined by the County Engineer; otherwise negotiable.
ITEM:	COUNTY SHARE:	NOTES:

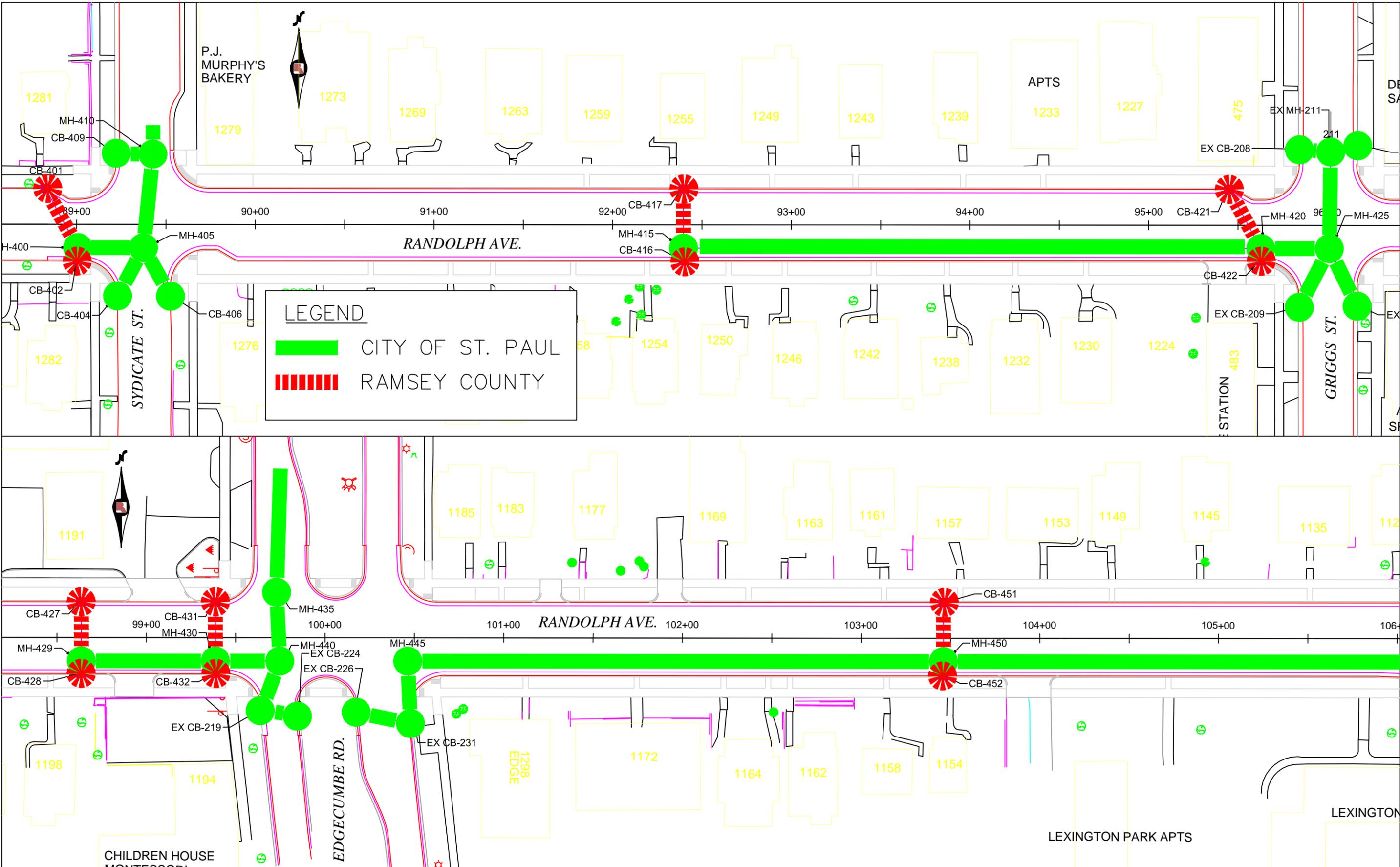
Trail/Sidewalk Grade Separation	0% to 50%, by negotiation	Bridge or underpass construction.
Street Lighting	0%	Street Lighting as part of a traffic signal shall be paid 100% by County. Electrical power shall be paid by the municipality.
Replacement Trees	100%	100%, if 1:1 replacement; 50%, if greater than 1:1
Fence	100%	100% if serviceable; 0% if in County R/W
Turf Restoration	100%	
Amenities and Aesthetics	0%	Special surface treatments, ground covers, or plantings, ornamental railings, etc.
ITEM:	COUNTY SHARE:	NOTES:

Driveway Replacement	100%	
Stormwater Treatment	% eligible for State Aid	Maintenance shall be based on contributing flows.
Preliminary/Design Engineering	% of Participation	
Construction Engineering	% of Participation	

All County participation is subject to the availability of funds.

On Federal Aid Projects, the federal funds shall be applied to all eligible items before cost participation is calculated. Federal participation is typically 50-80% of the total project cost.

P:\PROJECTS\P-3354 RANDOLPH AVE - SYNDICATE TO 135E\MISC MAPS\STORM SEWER OWNERSHIP.DWG September 30, 2015 8:36 AM



LEGEND

 CITY OF ST. PAUL

 RAMSEY COUNTY

STORM SEWER OWNERSHIP

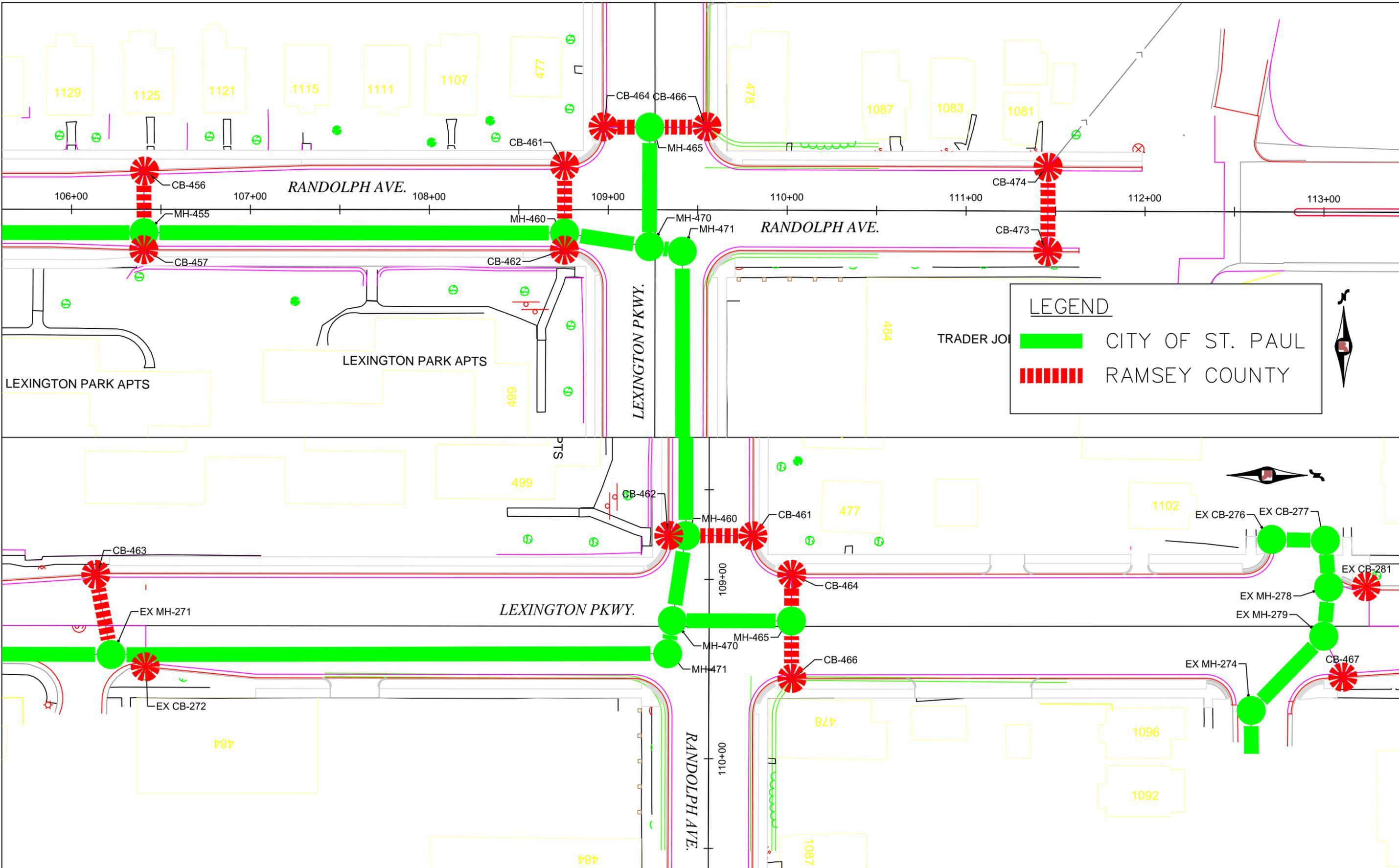
RANDOLPH AVENUE
 SYNDICATE ST TO 325' WEST OF LEXINGTON PKWY

S.A.P. 062-638-006
 S.A.P. 062-651-050
 S.A.P. 164-020-131



EXHIBIT D

P:\PROJECTS\P-3354 RANDOLPH AVE - SYNDICATE TO 135E\MISC MAPS\STORM SEWER OWNERSHIP.DWG September 30, 2015 8:36 AM



LEGEND

 CITY OF ST. PAUL

 RAMSEY COUNTY

STORM SEWER OWNERSHIP

RANDOLPH AVENUE
 SYNDICATE ST TO 325' WEST OF LEXINGTON PKWY

S.A.P. 062-638-006
 S.A.P. 062-651-050
 S.A.P. 164-020-131

COUNTY
 PROJECT
 P-3354



EXHIBIT D