

PREPARED BY
METRO DISTRICT
MAINTENANCE

STATE OF MINNESOTA
DEPARTMENT OF TRANSPORTATION
ROUTINE MAINTENANCE AGREEMENT

Mn/DOT
AGREEMENT NO.
98184

AGREEMENT BETWEEN

THE STATE OF MINNESOTA, DEPARTMENT OF TRANSPORTATION

AND

THE CITY OF ST. PAUL

FOR

Routine maintenance of certain portions of trunk highways and bridges within and adjoining the corporate limits of the City of St. Paul upon the terms and conditions set forth in this Agreement.

TOTAL AGREEMENT AMOUNT
\$1,657,380

AMOUNT TO BE ENCUMBERED
(Fiscal Year 2012)
\$828,690

AMOUNT TO BE ENCUMBERED
(Fiscal Year 2013)
\$828,690

AMOUNT RECEIVABLE
None

THIS AGREEMENT is by and between the State of Minnesota through its Commissioner of Transportation, hereinafter referred to as "State", and the City of St. Paul, acting through its City Council, hereinafter referred to as "City".

WHEREAS, State and City are empowered to enter into agreements pursuant to Minnesota Statutes Section 471.59; and

WHEREAS, pursuant to Minnesota Statutes, Section 161.38, the parties desire to enter into an agreement relating to the maintenance of trunk highways and bridges within the corporate limits of City upon the terms and conditions set forth in this Agreement; and

WHEREAS, it is in the interest of both parties to work cooperatively in delivering these services.

NOW, THEREFORE, THE PARTIES AGREE AS FOLLOW:

I. DUTIES OF THE CITY

A. City will provide for routine maintenance as defined in Section I, Paragraph F, on those portions of the Trunk Highway (T.H.) roadways and bridges within the corporate limits of City as indicated on the map titled Exhibit A, which is attached and incorporated into this Agreement, particularly as described as follows for which calculations can be found in Exhibit B and C:

T.H. 5: The following 5.37 miles of trunk highway designated in the Minnesota Department of Transportation (Mn/DOT) records as Control Section No. 6201; beginning at Wheeler Avenue and Fort Road, thence northeast on Fort Road to Wabasha Street, thence east on Seventh Street to Robert Street (T.H. 952A); and the following 0.76 miles of trunk highway designated in Mn/DOT records as Control Section No. 6228; beginning at Robert Street and Seventh Street; thence easterly on Seventh Street to Sibley Street, thence easterly on Seventh Street to Mounds Boulevard (T.H. 61); also the following 3.02 miles of trunk highway designated in Mn/DOT records as Control Section No. 6229; beginning at Seventh Street and Arcade Street (T.H. 61), thence easterly on Seventh Street to Minnehaha Avenue, thence easterly on Minnehaha Avenue to the east City limits.

T.H. 13: The following 0.39 miles of trunk highway designated in Mn/DOT records as Control Section No. 1902; beginning at the junction with Trunk Highway No. 149; thence westerly 0.39 mile on the south line of Ramsey County. Includes all portions of this highway located in the corporate limits of West St. Paul and Mendota Heights.

T.H. 51: The following 6.09 miles of trunk highway designated in Mn/DOT records as Control Section No. 6215; beginning at the north City limits (Hoyt Avenue) and Snelling Avenue, thence south on Snelling Avenue to Montreal Avenue, thence east on Montreal Avenue to Fort Road (T.H. 5). Includes the portions of this highway located in the corporate limits of Falcon Heights.

T.H. 61 The following 3.41 miles of trunk highway designated in Mn/DOT records as Control Section No. 6221; beginning at the junction of TH 94 and Mounds Boulevard, thence northwest on Mounds Boulevard to East Seventh Street, thence northeast on East Seventh Street to Arcade Street, thence north on Arcade Street to the north City Limits.

T.H. 149 The following 1.46 miles of trunk highway designated in Mn/DOT records as Control Section No. 6223; beginning at the south City limits (junction T.H. 13) and Smith Avenue, thence north and northwesterly on Smith Avenue to Fort Road (T.H. 5).

T.H. 156 The following 0.80 miles of trunk highway designated in Mn/DOT records as Control Section No. 6219; beginning at the south City limits and Concord Street, thence northwest on Concord Street to the west ramps of T.H. 52.

T.H. 3 The following 2.50 miles of trunk highway designated in Mn/DOT records as Control Section No. 6217; beginning at the south City limits and Robert Street, thence north and northwest on Robert Street to T.H. 94.

B. The above gross roadway descriptions have a total of 112.17 Equivalent Lane Miles, 24.02 centerline miles, and 789,685 square yards of pavement area.

- C. Bridges that are concurrent with the above roadway descriptions have a total of 6.53 Equivalent Lane Miles or 413,868 square feet as measured from curb to curb.
- D. The Agreement covers the deck area of bridges totaling 1,211,105 SF for Category A Bridge Maintenance and 442,814 SF for Category B Bridge Maintenance.
- E. Equivalent Lane Miles are equal to the roadway width between the curbs, measured in feet, multiplied by the length of the roadway, measure in miles, divided by a standard lane width of twelve (12) feet.
- F. City will provide routine maintenance on the above described roadways and bridges in accordance with the standards and guidelines City uses to routinely maintain its highway system, with a goal of achieving a Level of Service Long Term Target as defined in Exhibit D, which is based on Mn/DOT Products and Services definitions, as follows:
 - 1. **CLEAR ROADWAYS:** Keep the roadways, bridges, and pedestrian walkways reasonably free and clear of ice and snow and undertake proper and timely cleaning of ice and snow when necessary, and perform debris clearance to keep the same free and clear from obstructions and impediments that may interfere with the passage of vehicle, bicycle, and pedestrian traffic. Bridge ice and snow removal will cover the entire bridge width without pushing ice or snow onto any roadway, railroad, trail, path, or walkway located below the bridge. Perform sweeping on an agreed upon schedule; and
 - 2. **SMOOTH PAVEMENT:** Maintain the roadways to keep in good repair. Maintenance will include necessary routine maintenance to preserve the roadways, drainage structures, and sidewalks which includes, but is not limited to, patching of the road surface and sidewalks, minor slope repairs, minor curb and gutter repairs, and drainage structure cleaning and repair which does not require excavation; all maintenance performed on drainage structures shall be coordinated with the State's MS4 Engineer and documented as shown on the sample map and sample form found in Exhibit G; and
 - 3. **SAFETY FEATURES:** Maintain the highway safety devices such as: signing, fencing, guardrail and attenuators. City shall also maintain fence that is within 30 feet of the end of the bridges as referenced in Exhibit B. The State will furnish, for City installation, suitable route markers for the guidance of traffic on such trunk highways and attenuator/end treatment parts or replacement attenuators, and guardrail parts for City maintenance and installation as necessary. State and City will use the established Master Contract process to reimburse the City for installation of the attenuator/end treatments and guardrails; and
 - 4. **AVAILABLE BRIDGES:** Perform flushing activities and report all activities performed to the State per Legislative Bridge Reporting Requirements on the sample form found in Exhibit F (further defined as Category A and Category B) to preserve the bridges, in their present existing condition, including the following (see Exhibit B for bridge identification):
 - 1. **Category A Maintenance:** Category A bridges are generally those bridges that are City roadway bridges over State trunk highways, bridges that are concurrent with the trunk highways listed in Section 1A of this agreement, and pedestrian bridges. Flushing activities includes the proper and timely flushing of bridge decks, drains, and sidewalks one time per year; and
 - 2. **Category B Maintenance:** Category B bridges are generally those bridges that are State trunk highway bridges over City streets. Flushing activities includes the proper and timely flushing of the bearing assemblies and slopes one time per year, repair of sidewalks, stairs and roadway below the Mn/DOT highway elevation and within Mn/DOT right-of-way; and
 - 5. **PERMITS:** Administer, issue, regulate, and inspect transportation permits, and permits to maintain existing utilities on the Trunk Highways described in Section I, Paragraph A; and

6. **ATTRACTIVE ROADSIDES:** Perform graffiti removal within the Trunk Highway right-of-way.
 7. City will respond to and perform all Gopher State One Call locates on all Trunk Highway electrical systems, except fiber optics not owned by City for the trunk highways described in Section I, Paragraph A; and
 8. The Level of Service Long Term Targets for the above mentioned responsibilities are further defined in Exhibit D which was the result of a 2007 joint effort between the City of Minneapolis, City of St. Paul, and Mn/DOT to clearly define the responsibilities in this agreement.
- G. The City will include cleaning of the inside surface and support structure of the Plexiglas enclosures over the walkways on the Cedar Street bridge crossing over TH 94 as part of their routine maintenance responsibilities included in this Agreement. City is not responsible for cleaning the outside surfaces of these Plexiglas enclosures.
 - H. City will furnish all labor, equipment, materials, supplies, tools, and other items necessary for the performance of the services to be provided for by City under this Agreement.
 - I. City will collect and report available, complete, and verifiable cost data for labor, equipment, and materials to support the consideration and payment in Section V of this agreement.
 - J. All materials used by City in the performance of the work under this Agreement must conform to the requirements of the current edition of the Minnesota Department of Transportation Standard Specifications for Construction and to any subsequent amendments thereto.
 - K. If there is a change in the routing of a Trunk Highway, a substitution of a new route for a Trunk Highway, or a variation from the present Trunk Highway location by the State, City will maintain the new Trunk Highway in accordance with this Agreement during such period of substitution and will be paid the amount to which it is entitled under this Agreement. If State relocates any portion of the above described Trunk Highways and the present roadway reverts to City, the City will maintain the reverted portion at its sole cost and expense.
- II. **DUTIES OF THE STATE**
- A. State is responsible for any extraordinary maintenance, betterment, construction, or reconstruction on the Trunk Highways and bridges described in Section I, Paragraph A. If State desires City to perform any such work, the parties must enter into a separate agreement or Master Contract Work Order therefore. Extraordinary maintenance, betterment, construction, or reconstruction includes, but is not limited to, seal coat, overlay of the roadway surface, mill and overlay of the roadway surface, replacement and repair of guardrail and attenuators, replacement and repair of drainage structures and culverts which require excavation, major washout repairs and lifecycle replacement of state owned signs for retro-reflectivity.
 - B. State will retain its authority to administer, issue, and regulate access permits, sign advertising permits, drainage permits, and permits to install new utilities on the Trunk Highways described in Section I, Paragraph A.
 - C. For the State owned bridges referenced in Exhibit B, the State shall be responsible for all bridge safety inspections and associated reporting into the Pontis Bridge Inspection System, thus the City will not be responsible for the structural integrity of these bridges, routine maintenance with the exception of yearly flushing and duties addressed as City responsibilities in other sections of this agreement (i.e. Snow and Ice and Sweeping).
 - a. Routine maintenance duties transferred from the City to the State with this agreement include:
 - i. **Category A Maintenance:** Category A bridges are generally those bridges that are City roadway bridges over State trunk highways, bridges that are concurrent with the trunk

highways listed in Section 1A of this agreement, and pedestrian bridges. Maintenance includes: necessary curb, sidewalk and deck spall patching, minor bridge railing repair not addressed in previous agreements, proper and timely sealing of cracks in the bridge wearing surface, removal of graffiti, painting repairs, proper and timely repair of expansion joint glands, replacement of light bulbs, lamps, and electrical connections at fixtures which are not determined in previous agreements, minor slope paving maintenance; and

- ii. Category B Maintenance: Category B bridges are generally those bridges that are State trunk highway bridges over City streets. Maintenance includes: routine maintenance underneath the bridge (below the Mn/DOT highway elevation) including, but not limited to, removal of graffiti (including backside of the bridge rail), painting repairs, replacement of light bulbs, lamps and electrical connections at fixtures which are not determined by previous agreements, minor slope paving maintenance, maintenance of deck drainage structures, transient removal, debris removal, and landscaping maintenance; and

D. Maintain the pavement markings on trunk highways.

E. Attractive Roadsides: Perform routine maintenance of vegetation and landscaping, including necessary and regular mowing, tree trimming, diseased tree removal, and litter or debris collection and disposal within the Trunk Highway right-of-way per current state policy.

III. SEMI-ANNUAL INSPECTION

Authorized representatives of State and City will individually inspect roadways and bridges included in this agreement and meet on a semi-annual basis to review the adequacy of the maintenance work being performed, and to determine if any extraordinary maintenance, betterments, construction, or reconstruction is required.

IV. LANE CLOSURES AND TRAFFIC CONTROL

A. The City may partially block the trunk highways and bridges for a period of time necessary for the performance of the services covered under this Agreement. In cases of emergency, such trunk highways and bridges may be wholly blocked and the passage of traffic thereon prevented by the City. At no time, however, will the City continue to obstruct the free passage of traffic on the trunk highways or bridges for a longer period of time than is required for performing the necessary work thereon. In the event of the total blocking or closing of any such trunk highway or bridge, City must provide a suitable detour during such time, with the assistance of State, as needed.

B. City may close to travel the trunk highways and bridges at such time as it is necessary for the emergency repair of water or gas mains, electric or telephone cables, or sewers. However, City will not cause any portions of said trunk highways and bridges to be closed to traffic for any reasons other than those above set forth, and in no event for a time longer than reasonably necessary to complete authorized work.

C. All partial and total closures of the trunk highways and bridges covered under this Agreement must be in conformance with the current Minnesota Manual on Uniform Traffic Control Devices, and City must provide at least a 24 hour notice of these closures to the Mn/DOT Dispatch Center at 651-582-1550.

V. CONSIDERATION AND TERMS OF PAYMENT

A. State will pay to City the sum of \$828,690 during the first year of this Agreement and the sum of \$828,690 during the second year of this Agreement for the performance of the work and the furnishing of labor, equipment, and materials as set forth in Section I of this Agreement.

B. The City and State have agreed to continue to pursue discussions regarding services, resources, method of determining adequate payment, and cost reporting format, within the structure of Exhibit D: Products and Services Long Term Target. It is understood that the amount of payment does not match the City

Level of Service Long Term Target outlined in Exhibit D. State and City recognize this and will continue to work toward a system where the amount of the payment fully funds the jointly agreed upon Level of Service.

- C. In the event there is a change as described in Section I, Paragraph K, in the roadways or bridges to be maintained by City, or this Agreement is cancelled prior to June 30, 2013, the payment due to City will be prorated for the full months and fractional months, if any, that the terms of this agreement are in effect.
- D. During the term of this agreement, four lump sum payments will be made for Fiscal Year 2012 and quarterly payments for Fiscal Year 2013 will be made to City in the amounts listed below.

<u>Fiscal Year 2012</u>		<u>Fiscal Year 2013</u>	
After June 30, 2011 and following execution of this agreement	\$ 207,172.50	October 1, 2012	\$ 207,172.50
January 1, 2012	\$ 207,172.50	January 1, 2013	\$ 207,172.50
April 1, 2012	\$ 207,172.50	April 1, 2013	\$ 207,172.50
June 30, 2012	\$ 207,172.50	June 30, 2013	\$ 207,172.50

State's maximum obligation during the first year of the Agreement is \$ 828,690 and its maximum obligation during the second year of this Agreement is \$ 828,690. State's total obligation under this Agreement is \$1,657,380. Refer to Exhibit E as a reference to the work items and payments for the work items included herein.

VI. CONDITIONS OF PAYMENT

- A. Payment will be made by State under this Agreement on a quarterly basis, as soon as possible after the respective dates of October 1, January 1, April 1, and June 30 of each fiscal year, upon the submission by City to State of a cost analysis listing all labor, materials, and equipment used by City during the quarter, and an invoice for the services performed, and a certificate certifying that all work done during the period for which City seeks payment has been performed in full conformity with this Agreement.
- B. All services provided by City pursuant to this Agreement must be performed to the satisfaction of State, as determined at the sole discretion of its Authorized Representative pursuant to Section IX, Paragraph C, and in accordance with all applicable federal, state, and local laws, ordinances, rules and regulations.
- C. If City fails to perform any of the work according to the terms of this Agreement, State may perform such work and may offset any payment due to the City under this agreement by the amount of the labor, overhead, and material costs incurred by the State in performing such work. Performance of such work by the State will not be construed as a waiver of the City's obligation to subsequently perform such work, and the City will be entitled to compensation, pursuant to this agreement, for subsequent work, which is satisfactorily performed by the City. This paragraph will not be construed to relinquish any rights of action, which may accrue on behalf of State as against City for any breach of contract.

VII. TERM OF AGREEMENT

This Agreement will be in effect upon execution, retroactively to July 1, 2011. This Agreement will remain in effect through June 30, 2013.

VIII. CANCELLATION

- A. This Agreement may be canceled by either party with sixty (60) days prior written notice to the other party. In the event of such a cancellation, City will be entitled to a prorated payment for the months and fractional months, if any, that this Agreement was in affect.
- B. The State may immediately terminate this contract if it does not obtain funding from the Minnesota Legislature, or other funding source; or if funding cannot be continued at a level sufficient to allow for the

payment of the services covered here. Termination must be by written or fax notice to the City. The State is not obligated to pay for any services that are provided after notice and effective date of termination, however, the City will be entitled to payment, determined on a pro rata basis, for services satisfactorily performed to the extent that funds are available. The State must provide the City notice of the lack of funding within a reasonable time of the State's receiving that notice.

IX. AUTHORIZED REPRESENTATIVE

- A. State's Authorized Representative for the purposes of the administration of this Agreement is Beverly Farraher, Assistant District Engineer – Maintenance, Minnesota Department of Transportation, Metro District, 1500 West County Road B2, Roseville, MN 55113, (651) 234-7901, or her designee or successor.
- B. City's Authorized Representative for the purposes of the administration of this Agreement is Rich Lallier, Director of Public Works, City of St. Paul, 1500 City Hall Annex, 25 West Fourth Street, St. Paul, Minnesota 55102-1660, (651) 266-6099, or his successor.
- C. State's Authorized Representative will have final authority for acceptance of City's services. If such services are accepted as satisfactory, State's Authorized Representative will so certify on each invoice submitted pursuant to Section VI, Paragraph A, and will authorize payment.

X. ASSIGNMENT

- A. Neither party will assign or transfer any rights or obligations under this Agreement, in whole or in part, without prior written consent of the other.
- B. All contracts and agreements made by either party with third parties for the performance of any work to be done under this Agreement must be made in accordance with the terms of this Agreement and State of Minnesota law.
- C. This Agreement will not be construed as a relinquishment by State of any powers or control it may have over the trunk highways and bridges covered under this Agreement.

XI. MERGER/AMENDMENTS

This Agreement contains all negotiations and agreements between the State and City. No other understanding regarding this Agreement, whether written or oral, may be used to bind either party. Any amendments to this Agreement must be in writing, and must be executed by the same parties who executed the original Agreement, or their successors in office.

XII. LIABILITY

- A. The employees and agents of the City will not be deemed to be employees of the State for any reason.
- B. Each party will be solely responsible for its own acts and omissions, the acts and omissions of its employees, and results thereof to the extent authorized by law. The parties will not be responsible for the acts of any others and the results thereof. Liability of State will be governed by the provisions of the Minnesota Tort Claims Act, Minnesota Statutes Section 3.736, and the liability of City will be governed by Minnesota Statutes Chapter 466. This clause will not be construed to bar any legal remedies each party may have for the other party's failure to fulfill its obligations pursuant to this Agreement.
- C. Each party to this Agreement will defend at its sole cost and expense any action of proceeding commenced for the purpose of asserting any claim of whatsoever character arising in connection with or by virtue of performance of its own work as provided herein.

XIII. WORKERS' COMPENSATION

Each party will be solely responsible for its own employees for any workers compensation claims.

XIV. CIVIL RIGHTS

The City must comply with the provisions of Minnesota Statutes Section 181.59, and any applicable local ordinance relating to civil rights and discrimination.

XV. STATE AUDITS

The books, records, documents, and accounting procedures and practices of City, relevant to this Agreement, may be subject to examination by the Mn/DOT auditor, and the Legislative Auditor, or the State Auditor, as appropriate, for no less than six years following the expiration of this Agreement.

XVI. DATA PRACTICES

The State and the City must comply with the Minnesota Government Data Practices Act, Minnesota Statutes Chapter 13, as it applies to any information provided to or by a party to this agreement.

XVII. EXHIBITS INCORPORATED

All exhibits attached to this Agreement are deemed incorporated into this Agreement.

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STATE ENCUMBRANCE VERIFICATION

Individual certifies that funds have been encumbered as required by Minnesota Statutes 16A.15 and 16C.05.

By Gregory O'Brien

Date 11/22/11

Swift
MAPS Encumbrance No. 3000029512

CITY OF ST. PAUL

By _____
Mayor

Date _____

By _____

Title _____

Date _____

By _____

Title _____

Date _____

Approved as to form and execution:

By _____
Assistant City Attorney

Date _____

DEPARTMENT OF TRANSPORTATION

Recommended for approval:

By Levay A. Eaves
Metro District
Assistant District Engineer – Maintenance

Approved:

By Scott L. Zi
Metro District Engineer

Date 11/21/11

Approved as to form and execution:

By _____
Contract Management

Date _____

COMMISSIONER OF ADMINISTRATION

As delegated to Materials Management Division

By _____

Date _____

Exhibit E						
Mn/DOT Trunk Highway Annual Agreement Cost Calculations for St. Paul						
2012-2013						
Item	Unit of Measurement	St. Paul Quantity	St. Paul Cost (1)	Unit Cost	City <-> MnDOT Duty	Notes/Comments
Roadways						
Snow and Ice Control	SQ. YD.	789,685	\$406,763	\$ 0.52	City	
Sweeping	SQ. YD.	789,685	\$68,902	\$ 0.09	City	Includes Litter on Roadway
Debris Clearance					City	Included with Sweeping Costs Above
Smooth Pavement						
Patching	SQ. YD.	789,685	\$241,220	\$ 0.31	City	
Mill and Pave	N/A				MnDOT	
Drainage	Centerline Miles	24.02	\$46,067	\$ 1,917.86	City	G.
Safety Features						
Guardrail/Attenuators					City	Propose to be reimbursed by MnDOT on time and materials basis
Signing (2)	Centerline Miles	24.02	\$5,000	\$ 208.16	City	
Pavement Markings					MnDOT	
Bridge Rail					City	
Shouldering	N/A				City	Included in Patching Costs Above
Fence Repair	Lin. Ft. of Fence				City T&M	Propose to be reimbursed by MnDOT on time and materials basis for major repairs/replacement - City to cover minor repairs
Trails	Lin Ft. of Trail					Continued Discussion planned
Attractive Roadsides						
Litter & Mowing					MnDOT	
Landscape and Tree Maintenance					MnDOT	
Graffiti	Centerline Mile	24.02	\$3,956	\$ 164.70	City	Signs, Street Lighting, Traffic Signals Only
Noxious Weeds	N/A					
Available Bridges						
Category A Maintenance	Each	68	\$30,637	\$ 450.54	City	Annual flushing activities.
Category B Maintenance	Each	21	\$9,675	\$ 460.71	City	Annual flushing activities.
Highway Permits						
Locates	Lump Sum		\$16,470		City	Locates for Signals and Interconnects along STH routes
TOTALS (per year)			\$828,690			
Quantity Numbers						
Gross Equivalent Lane Miles		112.17				From MnDOT Numbers
Road ELM concurrent with Bridge ELM		6.53				
Net Roadway ELM		105.64				
Rough Calculated Numbers						
Roadway Square Yards		789,676.80				Net Roadway ELM * 5280 * 12/9
Bridge Square Feet		413,740.80				Bridge ELM * 5280 * 12
Total Centerline Miles		23.80				From MnDot Info
(1) St. Paul - 3 Year Average (Calendar Year 2008-2010)						
(2) Adjusted due to removal of retro-reflectivity replacement costs.						

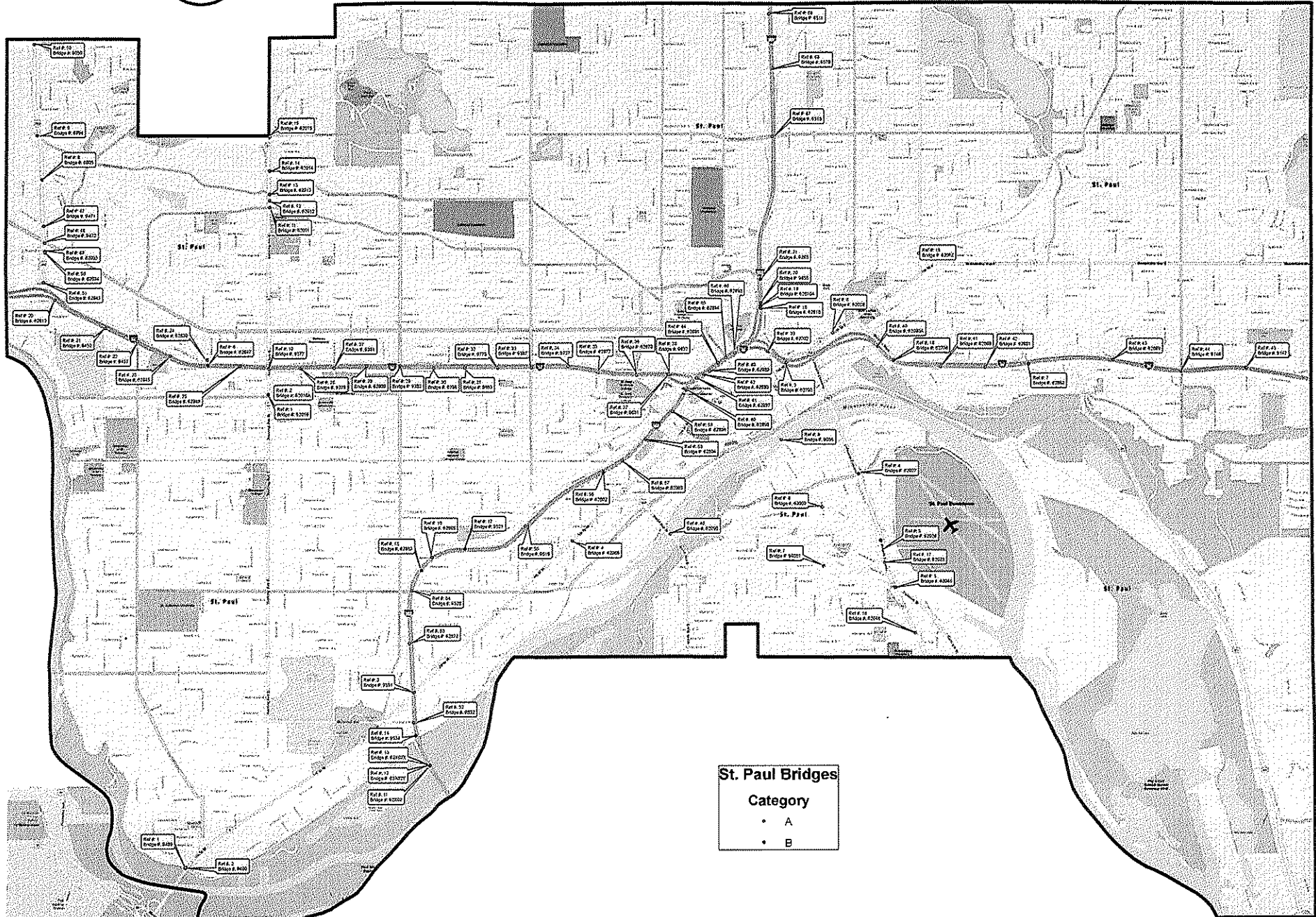
EXHIBIT D : PRODUCTS AND SERVICES & LEVEL OF SERVICE LONG TERM TARGETS

	CLEAR ROADWAYS			SMOOTH PAVEMENT			SAFETY FEATURES						ATTRACTIVE ROADSIDES					AVAILABLE BRIDGES	HIGHWAY PERMITS
	Snow & Ice	Sweeping	Debris Clearance	Patching	Mill and Pave	Drainage	Guardrail/Attenuators	Signing	Pavement Markings	Bridge Rail	Shouldering	Fence Repair	Litter	Mowing	Landscape and Tree Maint	Graffiti	Noxious Weeds	Maintenance	
LOS Target on State system	S & I: SuperCommuter: bare lane for driving lane 2-3 hours after end of event	Sweep to bare lane in spring	Clear natural and/or man-made debris as needed on the roadway.	Pavement patching complaints responded to in priority order in most timely manner possible	Provide smooth and reliable pavement that construction funding isn't able to address.	Drainage: MS4 compliance, system repairs addressed as needed.	Guardrail, median barrier and attenuator installation and replacement in priority order as soon as feasible.	Signs: 12 year cycle. Respond to knockdowns/ graffiti ASAP.	Lane Markings: visibility criteria with Tech Memo 07-08-T02	Bridge rail repairs as needed regarding to safety.	Shouldering : assess safety and functional needs, prioritize and address as feasible - respond to known 2" drop offs as soon as possible	Fence: repair safety concerns within next work shift. prioritize and address other repairs as feasible	Create and follow IRVM plan. Litter Removal: deploy SYSIAAH systematically - respond to complaints as feasible.	Create and follow IRVM plan. Mowing: mow safety areas and sight lines twice per year minimum.	Tree/Veg Trimming/ Diseased tree removal.	Graffiti: assess and respond as soon as feasible.	Create and follow IRVM plan. Herbicide Spraying: assess right of way, implement a coordinated plan.	Comply with Fed and State standards for inspection and reporting.	Encroachment Removal: take action within 48-72 hours. Permit Issuance: timely, responsive, accurate.
Mn/DOT related work	Plowing, salting, sanding, anti-icing, op&maint anti-icing systems on bridges, post storm cleanup, trucking, blowing	Sweep curb to curb in spring.	Clear debris, section drivers.	Filling potholes, milling bumps, mill and patch operations (night maint), blowpatcher.	Rent mill and paver, use Mn/DOT trucks and other equipment to perform mill and overlay on worst segments of roads.	Includes maintaining and repairing/ replacing drainage system components (pipe sleeving, pipes/ cb's /m/s, c&g, pond/ ditch cleanout, MS4 compliance). Erosion repairs.	Guardrail, median barrier and attenuator installation and replacement.	signing installation and maintenance (incl knockdowns and graffiti).	pavement markings,	bridge rail repair,		Litter removal, mowing, Adopt-a-highway, Sentence to Serve, and planned partnerships.	Mowing	trimming, diseased tree removal, planned partnerships	Remove or cover graffiti	Noxious weed control: mowing, herbicide spraying	inspection services (fracture critical and non-fracture critical), maintain and repair bridge components. Noise wall and retaining wall repair.	Manage/remove right-of-way encroachments, consistent permit requirements and timely permit issuance and management.	
LOS Target within City of the First Class	Snow & Ice: Arterials (TH's, MSA's, etc): bare or treated lane asap following all snow events. Parking lanes, at a minimum, to a snow packed condition. On average there are 3 - 6 declared significant snow events annually which require additional curb-to-curb plowing, cleanup, trucking, and blowing.	Sweeping occurs 12 times per year with two being comprehensive with parking restrictions	Clear natural and/or man-made debris as needed on the roadway.	Provide patching in the most timely manner possible and in response to complaints.	Seal coat, Mill and Overlay are expected to be done by Mn/DOT, following Mn/DOT's ideability criteria.	Drainage: Grit Chambers: monitored and clean on a regular basis as necessary to function properly. Catch basins/Manholes: keep drainage structures and pipes clean and operational (inside and outside) as necessary to function properly; minor repair such as patching and grate replacement. Major repair would be any work that requires excavation (Mn/DOT). City would contact Mn/DOT to discuss Mn/DOT to discuss T&M agreement.	As needed, install attenuators (with materials provided by Mn/DOT). Response time based on public safety risk.	Signs: Maintain Signs to Mn/DOT visibility criteria. Replace roadway signs on a 12 year cycle. Respond to knockdowns based on public safety risk.	Pavement Markings: Maintain Mn/DOT visibility criteria. Refresh markings: Latex every year, Epoxy every 3 years, Tape every 7 years.	Bridge rail repairs as needed with regards to safety. Painting on a 10 year cycle.	Not applicable - repair curb and gutter along with pedestrian facilities in the most timely manner possible and in response to complaints.	Fencing repairs as needed with regards to safety. Replace fabric and posts on a 15 years cycle or as needed	Litter pick up on the same cycle as mowing plus response to complaints and special events.	Mowing in accordance with City Ordinance (typ 8" max height).	Remove diseased/dead trees and trim @ 10 year cycle as a response to public safety issues. Trim and remove vegetation to clear safety areas and sight lines	GRAFFITI (Needs more discussion).	No noxious weed control. See State Statute	Comply with Fed and State standards for inspection and reporting. Maintain and repair bridge components, noise walls, and retaining walls. Limit on Bridge Deck patching will be 2% of the deck area with a max of 500 sq ft.	Encroachment done - depending on extent of permit, Mn/DOT is informed. Utility cut permits are issued. Depending on type/size of permit, Mn/DOT may issue.
<p>Notes: Other Mn/DOT Products and Services are: Construction Contract Assistance, Incident Response, and System Security (these account for approx 2% of Mn/DOT Budget) LOS = Level of Service T&M (Time and Materials) reimbursement needs further discussion. Option to place provision in agreement for work above and beyond the agreement. IENSA = Illuminating Engineering Society of North America IRVM = Interstate Roadside Vegetation Maintenance</p>																			



Municipality of Saint Paul

Mn/DOT Agreement
No. 98184
Exhibit: A



St. Paul Bridges
Category
• A
○ B

0 0.25 0.5 1 Miles

AllBridgesMaintNov2009.xls

Route	Br No	Description	Route Type	Owner	Deck Area	Road Area	Ordinary		Inspect	Paint	Galv	Alum	LF Metal	
							Maint	Level					Railing	LF Fence
5	9489	Mississippi River Blvd (SB) over Hwy 5	MUNICIPAL STATE-AID	STATE HWY	6,296	4,101	StPaul	PW	Over	State	352		P352	0
5	9490	Mississippi River Blvd (NB) over Hwy 5	MUNICIPAL STATE-AID	STATE HWY	7,452	6,555	StPaul	PW	Over	State	345		P345	0
5	9531	W 7th St over Interstate 35E	MINN TRUNK HWY	STATE HWY	16,732	13,961	StPaul	PW	Over	State			0	451
5	62028	E 7th over BNSF RR	MINN TRUNK HWY	STATE HWY	29,619	24,273	StPaul	PW	Over	State			0	867
5	62066	W 7th St (Hwy 5) over CP Railway	MINN TRUNK HWY	STATE HWY	18,902	14,897	StPaul	PW	Over	State	613		G613	0
5	62703	E 7th St over Interstate 94	MINN TRUNK HWY	STATE HWY	24,010	20,290	StPaul	PW	Over	State	762		P762	0
13	9036	Robert St over Mississippi River and 2nd St	U S TRUNK HWY	STATE HWY	114,884	80,019	StPaul	PW	Over	State	278		P278*	0
13	62050	Robert St over Union Pacific RR	U S TRUNK HWY	STATE HWY	19,597	16,813	StPaul	PW	Over	State			0	923
13	90381	George St over Robert St	MUNICIPAL STATE-AID	STATE HWY	2,610	1,916	StPaul	PW	Over	State	82		P82**	82
51	9377	Snelling Ave over Interstate 94	MINN TRUNK HWY	STATE HWY	28,220	22,615	StPaul	PW	Over	State		426	A426	546
51	62011	Snelling Ave over Pierce Butler Rd	MINN TRUNK HWY	STATE HWY	11,364	9,548	StPaul	PW	Over	State	244		G244	0
51	62012	Snelling Ave over BNSF RR (GN)	MINN TRUNK HWY	STATE HWY	21,412	17,997	StPaul	PW	Over	State	460		G460	0
51	62013	Snelling Ave over Energy Park Dr	MINN TRUNK HWY	STATE HWY	14,014	11,776	StPaul	PW	Over	State	300		G300	0
51	62014	Snelling Ave over BNSF RR (NP) at Jessimine	MINN TRUNK HWY	STATE HWY	18,865	15,855	StPaul	PW	Over	State	406		G406	0
51	62015	Snelling Ave over Como Ave	MINN TRUNK HWY	STATE HWY	11,433	10,441	StPaul	PW	Over	State	332		G332	0
52	62023	Winifred St (Ped Br) over Lafayette Hwy 52	U S TRUNK HWY	STATE HWY	3,307	2,788	StPaul	PW	Over	State			0	562
52	62044	Belvidere over Hwy 52 (Lafayette Rd)	MUNICIPAL STATE-AID	STATE HWY	9,120	6,039	StPaul	PW	Over	State			0	520
61	62062	Arcade St over Union Pacific RR and Phalen Blvd	U S TRUNK HWY	STATE HWY	37,762	28,912	StPaul	PW	Over	State	1037		P1037	0
61	62706	Mounds Blvd over Interstate 94	U S TRUNK HWY	STATE HWY	17,289	15,565	StPaul	PW	Over	State	506		P506	0
94	9147	Ruth St over Interstate 94	MUNICIPAL STATE-AID	STATE HWY	10,412	8,116	StPaul	PW	Over	State		312	G312	432
94	9148	White Bear Ave over Interstate 94	COUNTY STATE-AID	STATE HWY	10,439	8,138	StPaul	PW	Over	State		312	G312	432
94	9379	Pascal over Interstate 94 and Ramp	MUNICIPAL STATE-AID	STATE HWY	14,779	11,550	StPaul	PW	Over	State	542		P542	662
94	9381	Hamline Ave over Interstate 94	MUNICIPAL STATE-AID	STATE HWY	13,741	11,108	StPaul	PW	Over	State	426		P426	546
94	9382	Griggs St. (Ped Br) over Interstate 94	INTERSTATE HWY	STATE HWY	2,810	2,347	StPaul	PW	Over	State			0	705
94	9383	Lexington Pkwy over Interstate 94	COUNTY STATE-AID	STATE HWY	28,312	22,680	StPaul	PW	Over	State			0	548
94	9387	Dale St over Interstate 94	COUNTY STATE-AID	STATE HWY	13,754	11,119	StPaul	PW	Over	State			0	546
94	9452	Cretin Ave over Interstate 94	MUNICIPAL STATE-AID	STATE HWY	23,005	19,493	StPaul	PW	Over	State	508		G508	628
94	9457	Cleveland Ave over Interstate 94	MUNICIPAL STATE-AID	STATE HWY	14,497	11,334	StPaul	PW	Over	State	514		P514	634
94	9631	John Ireland Blvd SB over Interstate 94	MUNICIPAL STATE-AID	STATE HWY	13,563	9,946	StPaul	PW	Over	State	301		P301**	30
94	9632	John Ireland Blvd NB over Interstate 94	MUNICIPAL STATE-AID	STATE HWY	13,563	9,946	StPaul	PW	Over	State	301		P301**	30
94	9663	Victoria Ave over Interstate 94	MUNICIPAL STATE-AID	STATE HWY	12,003	9,386	StPaul	PW	Over	State	426		P426	546
94	9736	Chatsworth St (Ped Br) over Interstate 94	INTERSTATE HWY	STATE HWY	2,496	2,142	StPaul	PW	Over	State			0	652
94	9737	Mackubin St (Ped Br) over Interstate 94	INTERSTATE HWY	STATE HWY	3,217	2,766	StPaul	PW	Over	State			0	812
94	9773	Grotto St (Ped Br) over Interstate 94	INTERSTATE HWY	STATE HWY	2,613	2,196	StPaul	PW	Over	State			0	750
94	62080A	Kellogg over Interstate 94, Comm St, Union Pacific RR, BNSF RR	MUNICIPAL STATE-AID	CITY HWY	14,172	13,533	StPaul	PW	Over	State	202		G202	60
94	62702	E. 9th St over Interstate 94	MUNICIPAL STATE-AID	STATE HWY	17,271	13,659	StPaul	PW	Over	State	584		P584	120
94	62813	Pelham Blvd over Interstate 94 and CP Railway	MUNICIPAL STATE-AID	STATE HWY	22,825	19,020	StPaul	PW	Over	State	864		G864	120
94	62839	St Anthony Ave over Fairview Ave	INTERSTATE HWY	STATE HWY	8,047	6,222	StPaul	PW	Over	State	414		G414	120
94	62845	Prior Ave over Interstate 94	MUNICIPAL STATE-AID	STATE HWY	16,506	12,260	StPaul	PW	Over	State	470		G470	590
94	62849	Aldine St (Ped Br) over Interstate 94	INTERSTATE HWY	STATE HWY	2,041	(11)	StPaul	PW	Over	State			0	670
94	62861	Earl St over Interstate 94	MUNICIPAL STATE-AID	STATE HWY	18,144	13,476	StPaul	PW	Over	State			0	548
94	62868	Maple (Ped Br) over Interstate 94	INTERSTATE HWY	STATE HWY	5,280	4,445	StPaul	PW	Over	State			0	1170
94	62869	Hazelwood (Ped Br) over Interstate 94	INTERSTATE HWY	STATE HWY	2,463	2,077	StPaul	PW	Over	State			0	758
94	62877	Western Ave over Interstate 94	MUNICIPAL STATE-AID	STATE HWY	17,629	12,981	StPaul	PW	Over	State	498		P498	120

AllBridgesMaintNov2009.xls

Route	Br No	Description	Route Type	Owner	Deck Area	Road Area	Ordinary		Inspect	Paint	Galv	Alum	LF Metal	
							Maint	Level					Railing	LF Fence
94	62878	Marion St over Interstate 94	COUNTY STATE-AID	STATE HWY	33,115	28,395	StPaul	PW	Over	State	692		P692	90
149	62090	Smith Ave (High Br) over Mississippi River	MINN TRUNK HWY	STATE HWY	150,395	110,793	StPaul	PW	Over	State	5515		P5515	0
280	9471	Territorial Rd over Hwy 280	MUNICIPAL STATE-AID	STATE HWY	15,849	12,206	StPaul	PW	Over	State		565	G565	120
280	9472	University Ave over Hwy 280	COUNTY STATE-AID	STATE HWY	22,908	18,428	StPaul	PW	Over	State		364	A364	120
280	62033	Franklin Ave over Hwy 280 SB	MUNICIPAL STATE-AID	STATE HWY	4,654	3,649	StPaul	PW	Over	State	237		G237	60
280	62034	Franklin Ave over Hwy 280 NB	MUNICIPAL STATE-AID	STATE HWY	4,628	3,627	StPaul	PW	Over	State	237		G237	60
280	62843	Wabash Ave over Hwy 280	MUNICIPAL STATE-AID	STATE HWY	14,228	11,001	StPaul	PW	Over	State	764		G764	60
35E	6511	Wheelock over Interstate 35E	CITY STREET	STATE HWY	7,842	5,565	StPaul	PW	Over	State		370	A370	90
35E	6513	Maryland Ave over Interstate 35E	COUNTY STATE-AID	STATE HWY	19,930	16,297	StPaul	PW	Over	State	392		G392	487
35E	6579	Arlington Ave over Interstate 35E	MUNICIPAL STATE-AID	STATE HWY	7,842	5,565	StPaul	PW	Over	State		370	A370	490
35E	9519	St Clair Ave over Interstate 35E	MUNICIPAL STATE-AID	STATE HWY	15,888	13,240	StPaul	PW	Over	State	600		G600	90
35E	9528	Randolph Ave over Interstate 35E	COUNTY STATE-AID	STATE HWY	16,285	12,239	StPaul	PW	Over	State	470		G470	120
35E	9832	Montreal Ave over Interstate 35E	CITY STREET	STATE HWY	5,876	4,801	StPaul	PW	Over	State	342		G342	462
35E	62802	Grand over Interstate 35E	CITY STREET	STATE HWY	10,870	9,461	StPaul	PW	Over	State			0	30
35E	62803	Ramsey over Interstate 35E	MUNICIPAL STATE-AID	STATE HWY	22,137	13,659	StPaul	PW	Over	State	524		P524	0
35E	62804	Walnut Ped Br. over Interstate 35E	INTERSTATE HWY	STATE HWY	3,397	2,982	StPaul	PW	Over	State	298		P298	0
35E	62872	Bayard (Ped Br) over Interstate 35E	INTERSTATE HWY	STATE HWY	3,562	3,003	StPaul	PW	Over	State	752		P752	0
35E	62886	Kellogg over Interstate 35E	MUNICIPAL STATE-AID	STATE HWY	19,341	12,314	StPaul	PW	Over	State	362		P362	0
35E	62888	Wabasha St over Interstate 94 and Interstate 35E	MUNICIPAL STATE-AID	STATE HWY	14,102	6,889	StPaul	PW	Over	State	530		P530	0
35E	62889	Cedar St over Interstate 94 and Interstate 35E	MUNICIPAL STATE-AID	STATE HWY	26,312	12,594	StPaul	PW	Over	State		426	A426***	0
35E	62891	Minnesota St over Interstate 94 and Interstate 35E	CITY STREET	STATE HWY	11,678	6,523	StPaul	PW	Over	State	406		P406	0
35E	62893	Jackson St over Interstate 94 and Interstate 35E	MUNICIPAL STATE-AID	STATE HWY	24,916	18,815	StPaul	PW	Over	State	482		P482	0
35E	62894	Robert St over Interstate 94 and Interstate 35E	U S TRUNK HWY	STATE HWY	14,411	9,720	StPaul	PW	Over	State	520		P520	0
35E	62897	St Peter St over Interstate 94 and Interstate 35E	MUNICIPAL STATE-AID	STATE HWY	23,706	14,994	StPaul	PW	Over	State	977		P977	0
35E	62898	W 10th St over Interstate 35E	CITY STREET	STATE HWY	14,935	9,322	StPaul	PW	Over	State	1404		P1404	0
STATE BRIDGES - OVERPASS MAINTENANCE "A" Category					1,225,277				68	19416	9044	1956	30416	18459
51	62016	CP Railway over Snelling Ave and Marshall Ave	MINN TRUNK HWY	STATE HWY	9,099	(11)	StPaul	PW	Under	State			0	0
51	62016A	NRG Steam Line over Snelling Ave and Marshall Ave	MINN TRUNK HWY	STATE HWY	4,718	(11)	StPaul	PW	PART	State			0	0
52	62026	Hwy 52 (Lafayette Rd) over Eaton St	U S TRUNK HWY	STATE HWY	59,017	54,089	StPaul	PW	PART	State			0	0
52	62027	Hwy 52 (Lafayette Rd) over Plato	U S TRUNK HWY	STATE HWY	13,895	13,433	StPaul	PW	PART	State			0	0
52	62045	Hwy 52 (Lafayette Rd) over Concord	U S TRUNK HWY	STATE HWY	27,267	25,607	StPaul	PW	PART	State			0	0
94	62847	Interstate 94 over Fairview Ave	INTERSTATE HWY	STATE HWY	19,840	17,976	StPaul	PW	PART	State			0	0
94	62862	Interstate 94 over Johnson Pkwy	INTERSTATE HWY	STATE HWY	14,833	14,198	StPaul	PW	PART	State			0	0
280	6805	Hwy 280 over Robbins St	MINN TRUNK HWY	STATE HWY	103,488	97,661	StPaul	PW	PART	State			0	0
280	6894	Hwy 280 over BNSF RR & Energy Pk Dr	MINN TRUNK HWY	STATE HWY	39,821	37,577	StPaul	PW	PART	State			0	0
280	9050	Hwy 280 over Como Ave	MINN TRUNK HWY	STATE HWY	12,803	10,452	StPaul	PW	PART	State			0	0
35E	9265	Interstate 35E over Arch-Penn	INTERSTATE HWY	STATE HWY	19,166	18,137	StPaul	PW	PART	State			0	0
35E	9521	Interstate 35E over Victoria St	INTERSTATE HWY	STATE HWY	14,612	10,581	StPaul	PW	PART	State			0	0
35E	9534	Interstate 35E over Shepard Road	INTERSTATE HWY	STATE HWY	8,006	7,330	StPaul	PW	PART	State			0	0
35E	9655	Interstate 35E SB over University Ave	INTERSTATE HWY	STATE HWY	17,916	17,341	StPaul	PW	PART	State			0	0
35E	62810	Interstate 35E (ramp) NB over University Ave	INTERSTATE HWY	STATE HWY	11,170	9,623	StPaul	PW	PART	State			0	0

AllBridgesMaintNov2009.xls

<i>Route</i>	<i>Br No</i>	<i>Description</i>	<i>Route Type</i>	<i>Owner</i>	<i>Deck Area</i>	<i>Road Area</i>	<i>Ordinary Maint</i>	<i>Maint Level</i>	<i>Inspect</i>	<i>Paint</i>	<i>Galv</i>	<i>Alum</i>	<i>LF Metal</i>	
													<i>Railing</i>	<i>LF Fence</i>
35E	62863	Interstate 35E SB (Ramp to Randolph Ave) over Ayd Mill Rd	INTERSTATE HWY	STATE HWY	8,254	7,100	StPaul PW	PART	State				0	0
35E	62865	Interstate 35E over Jefferson Ave	INTERSTATE HWY	STATE HWY	48,012	44,670	StPaul PW	PART	State				0	0
35E	62810A	Interstate 35E NB over University Ave	INTERSTATE HWY	STATE HWY	7,767	6,125	StPaul PW	PART	State				0	0
35E	62X02	Ped Trail under TH 35E 0.5 mi S TH5	INTERSTATE HWY	STATE HWY	1,800	(11)	StPaul Parks	PART	State				0	0
35E	62X02X	Ped Trail under TH 35E NB off Ramp 0.5 mi S of TH5	INTERSTATE HWY	STATE HWY	700	(11)	StPaul Parks	PART	State				0	0
35E	62X02Y	Ped Trail under TH 35E SB on Ramp 0.5 mi S TH5	INTERSTATE HWY	STATE HWY	630	(11)	StPaul Parks	PART	State				0	0
STATE BRIDGES - UNDERPASS MAINTENANCE "B" Category					442,814				21	<i>Paint</i>	<i>Galv</i>	<i>Alum</i>	<i>Metal Rail</i>	<i>Fencing</i>
										0	0	0	0	0

**EXHIBIT C: EQUIVALENT LANE MILE CALCULATIONS FOR CITY OF ST. PAUL
ROUTINE MAINTENANCE AGREEMENT**

5/16/2008

ID	From	To	Beg RP	End RP	Length	W	ELM Factor	dir	Equivalent Lane Miles	Lanes	Lane Miles
5	Wheeler Ave	St. Clair Ave	65.075	68.769	3.694	54	12	1	16.62	4	14.776
	St. Clair Ave	Kellogg Ave	68.769	69.788	1.019	56	12	1	4.76	4	4.076
	Kellogg Ave	Lafayette (TH 52)	69.788	70.987	1.199	64	12	1	6.39	4	4.796
	Lafayette (TH 52)	Mounds Blvd (TH 61)	70.987	71.431	0.444	56	12	1	2.07	4	1.776
	Arcade St (TH 61)	Minnehaha/7th	72.021	72.159	0.138	56	12	1	0.64	4	0.552
	Minnehaha/7th	McKnight Rd.	72.159	75.031	2.872	36	12	1	8.62	2	5.744
					9.366						
								Gross ELM	39.11		
								Bridge ELM	1.16		
								Net ELM	37.95		
13	Cherokee Hts Blvd	Smith (TH 149)	111.268	111.684	0.396	40	12	1	1.32	2	0.792
					0.396				ELM	1.32	
51	TH 5	Edgecumbe	0	0.371	0.371	50	12	1	1.55	4	1.484
	Edgecumbe	Snelling/Montreal	0.371	0.872	0.501	64	12	1	2.67	4	2.004
	Snelling/Montreal	Hoyt Avenue	0.872	6.093	5.221	72	12	1	31.33	4	20.884
					6.093				Gross ELM	35.54	
								Bridge ELM	1.39		
								Net ELM	34.15		
61	94/Mounds Blvd	TH 5/Mounds Blvd	136.508	137.247	0.739	68	12	1	4.19	4	2.956
	TH 5/Mounds Blvd	7th/Arcade St	137.247	137.837	0.59	58	12	1	2.85	4	2.36
	7th/Arcade	Sims Ave	137.837	138.354	0.517	54	12	1	2.33	4	2.066
	Sims Ave	Wheelock Pkwy	138.354	139.414	1.06	42	12	1	3.71	4	4.24
	Wheelock Pkwy	Larpenteur Ave	139.414	139.914	0.5	68	12	1	2.83	4	2
					3.406				Gross ELM	15.91	
								Bridge ELM	0.70		
								Net ELM	15.21		
149	TH 13	George St	8.459	9.095	0.636	42	12	1	2.23	2	1.272
	George St	S end of High Bridge	9.098	9.189	0.091	50	12	1	0.36	2	0.182
	S end of High Bridge	N end of High Bridge	9.189	9.713	0.524	40	12	1	1.75	2	1.048
	N end of High Bridge	TH 5	9.713	9.924	0.211	44	12	1	0.77	2	0.422
				1.462				GROSS ELM	5.13		
								BRIDGE ELM	1.75		
								NET ELM	3.38		
156	Annapolis	Concord St	3.403	3.783	0.38	40	12	1	1.27	2	0.76
	Concord St	Kansas	3.783	3.987	0.204	58	12	1	0.99	2	0.408
	Kansas	TH 52	3.987	4.201	0.214	70	12	1	1.25	4	0.856
				0.798				ELM	3.50		
952A	(TH 3) Robert St										
	Annapolis	TH 35E/94	0	2.5	2.5	56	12	1	11.67	4	10
				2.5				Gross ELM	11.67		
								Bridge ELM	1.53		
								Net ELM	10.14		

Total Centerlane Miles 24.021

NOTE: Reference Points are from ACCUM Miles from Mn/DOT Logpoint List

LANE MILES 85

Gross Roadway Equivalent Lane Miles 112.17
Road ELM concurrent with Bridge ELM 6.53
Net Roadway Equivalent Lane Miles 105.64

Gross Roadway ELM Converted to SF (112.17ELM*63360SF/mi) 7,107,165
Convert Road ELM concurrent with Bridge ELM to SF (6.53ELM*63360SF/mi) 413,868
Convert Net Roadway Equivalent Lane Miles to SF(105.64ELM*63360SF/mi) 6,693,298

Gross Roadway ELM Converted to SY (112.17ELM*63360SF/mi*1SY/9SF) 789,985
Convert Road ELM concurrent with Bridge ELM to SY (6.53ELM*63360SF/mi*1SY/9SF) 45,985
Convert Net Roadway Equivalent Lane Miles to SY(105.64ELM*63360SF/mi*1SY/9SF) 743,700

Exhibit F: STATE BRIDGES MAINTAINED BY THE CITY OF ST. PAUL CATEGORY A

Category A Maintenance: Category A bridges are generally those bridges that are City roadway bridges over State trunk highways, bridges that are concurrent with the trunk highways listed in Section 1A of this agreement, and pedestrian bridges. Flushing activities includes the proper and timely flushing of bridge decks, drains, and sidewalks one time per year.

ROUTE	BR. NO.	DESCRIPTION	ROUTE TYPE	2837 FLUSHING (EACH)	COMMENTS
1	5	9489 Mississippi River Blvd (SB) over Hwy 5	MUNICIPAL		
2	5	9490 Mississippi River Blvd (NB) over Hwy 5	MUNICIPAL		
3	6	9531 W 7th St over Interstate 35E	MN TK HWY		
4	6	62028 E 7th over BNSF RR	MN TK HWY		
5	5	62066 W 7th St (Hwy 5) over CP Railway	MN TK HWY		
6	6	62703 E 7th St over Interstate 94	MN TK HWY		
7	5	9036 Robert St over Mississippi River and 2nd St	U S TK HWY		
8	13	62050 Robert St over Union Pacific RR	U S TK HWY		
9	13	90381 George St over Robert St	MUNICIPAL		
10	13	9377 Snelling Ave over Interstate 94	MN TK HWY		
11	51	62011 Snelling Ave over Pierce Butler Rd	MN TK HWY		
12	51	62012 Snelling Ave over BNSF RR (GN)	MN TK HWY		
13	51	62013 Snelling Ave over Energy Park Dr	MN TK HWY		
14	51	62014 Snelling Ave over BNSF RR (NP) at Jassimine	MN TK HWY		
15	51	62015 Snelling Ave over Como Ave	MN TK HWY		
16	51	62023 Winifred St (Ped Br) over Lafayette Hwy 52	U S TK HWY		
17	52	62044 Belvidere over Hwy 52 (Lafayette Rd)	MUNICIPAL		
18	52	62062 Arcade St over Union Pacific RR and Phaten Blvd	U S TK HWY		
19	61	62706 Mounds Blvd over Interstate 94	U S TK HWY		
20	61	9147 Ruth St over Interstate 94	MUNICIPAL		
21	94	9148 White Bear Ave over Interstate 94	COUNTY		
22	94	9379 Pascal over Interstate 94 and Ramp	MUNICIPAL		
23	94	9381 Hamline Ave over Interstate 94	MUNICIPAL		
24	94	9382 Griggs St (Ped Br) over Interstate 94	INTERSTATE		
25	94	9383 Lexington Pkwy over Interstate 94	COUNTY		
26	94	9387 Dale St over Interstate 94	COUNTY		
27	94	9452 Crelin Ave over Interstate 94	MUNICIPAL		
28	94	9457 Cleveland Ave over Interstate 94	MUNICIPAL		
29	94	9531 John Ireland Blvd SB over Interstate 94	MUNICIPAL		
30	94	9632 John Ireland Blvd NB over Interstate 94	MUNICIPAL		
31	94	9663 Victoria Ave over Interstate 94	MUNICIPAL		
32	94	9736 Chatsworth St (Ped Br) over Interstate 94	INTERSTATE		
33	94	9737 Mackubin St (Ped Br) over Interstate 94	INTERSTATE		
34	94	9773 Grotto St (Ped Br) over Interstate 94	INTERSTATE		
35	94	62080A Kellogg over Interstate 94, Comm St, Union Pacific RR, BNSF RR	MUNICIPAL		
36	94	62702 E. 9th St over Interstate 94	MUNICIPAL		
37	94	62813 Pelham Blvd over Interstate 94 and CP Railway	MUNICIPAL		
38	94	62839 St Anthony Ave over Fairview Ave	INTERSTATE		
39	94	62845 Prior Ave over Interstate 94	MUNICIPAL		
40	94	62849 Aldine St (Ped Br) over Interstate 94	INTERSTATE		
41	94	62861 Earl St over Interstate 94	MUNICIPAL		
42	94	62868 Maple (Ped Br) over Interstate 94	INTERSTATE		
43	94	62869 Hazelwood (Ped Br) over Interstate 94	INTERSTATE		
44	94	62877 Western Ave over Interstate 94	MUNICIPAL		
45	94	62878 Marion St over Interstate 94	COUNTY		
46	94	62090 Smith Ave (High Br) over Mississippi River	MN TK HWY		
47	149	9471 Territorial Rd over Hwy 280	MUNICIPAL		
48	280	9472 University Ave over Hwy 280	COUNTY		
49	280	62033 Franklin Ave over Hwy 280 SB	MUNICIPAL		
50	280	62034 Franklin Ave over Hwy 280 NB	MUNICIPAL		
51	280	62943 Wabash Ave over Hwy 280	MUNICIPAL		
52	280	6511 Wheelock over Interstate 35E	CITY STREET		
53	35E	6513 Maryland Ave over Interstate 35E	COUNTY		
54	35E	6579 Arlington Ave over Interstate 35E	MUNICIPAL		
55	35E	9519 St Clair Ave over Interstate 35E	MUNICIPAL		
56	35E	9528 Randolph Ave over Interstate 35E	COUNTY		
57	35E	9832 Montreal Ave over Interstate 35E	CITY STREET		
58	35E	62802 Grand over Interstate 35E	CITY STREET		
59	35E	62803 Ramsay over Interstate 35E	MUNICIPAL		
60	35E	62804 Walnut Ped Br. over Interstate 35E	INTERSTATE		
61	35E	62872 Bayard (Ped Br) over Interstate 35E	INTERSTATE		
62	35E	62886 Kellogg over Interstate 35E	MUNICIPAL		
63	35E	62888 Wabasha St over Interstate 94 and Interstate 35E	MUNICIPAL		
64	35E	62889 Cedar St over Interstate 94 and Interstate 35E	MUNICIPAL		
65	35E	62891 Minnesota St over Interstate 94 and Interstate 35E	CITY STREET		
66	35E	62893 Jackson St over Interstate 94 and Interstate 35E	MUNICIPAL		
67	35E	62894 Robert St over Interstate 94 and Interstate 35E	U S TK HWY		
68	35E	62897 St Peter St over Interstate 94 and Interstate 35E	MUNICIPAL		
69	35E	62898 W 10th St over Interstate 35E	CITY STREET		
		Joe Lee St. Paul Br. Sup off 651-487-4654 cell 651-775-2254			

Exhibit F: STATE BRIDGES MAINTAINED BY THE CITY OF ST. PAUL CATEGORY B

Category B Maintenance: Category B bridges are generally those bridges that are State trunk highway bridges over City streets. Category B bridges are generally those bridges that are State trunk highway bridges over City streets. Flushing activities includes the proper and timely flushing of the bearing assemblies and slopes one time per year; and

ROUTE	BR. NO.	DESCRIPTION	ROUTE TYPE	2837 FLUSHING (ea)	COMMENTS
1		62016 CP Railway over Snelling Ave and Marshall Ave	MN TK HWY		
2	51	62016A NRG Steam Line over Snelling Ave and Marshall Ave	STATE HWY		
3	51	62026 Hwy 52 (Lafayette Rd) over Eaton St	U S TK HWY		
4	52	62027 Hwy 52 (Lafayette Rd) over Plato	U S TK HWY		
5	52	62045 Hwy 52 (Lafayette Rd) over Concord	U S TK HWY		
6	52	62847 Interstate 94 over Fairview Ave	INTERSTATE		
7	94	62862 Interstate 94 over Johnson Pkwy	INTERSTATE		
8	94	6805 Hwy 280 over Robbins St	MN TK HWY		
9	280	6894 Hwy 280 over BNSF RR & Energy Pk Dr	MN TK HWY		
10	280	9050 Hwy 280 over Como Ave	MN TK HWY		
11	280	9265 Interstate 35E over Arch-Penn	INTERSTATE		
12	35E	9521 Interstate 35E over Victoria St	INTERSTATE		
13	35E	9534 Interstate 35E over Shepard Road	INTERSTATE		
14	35E	9655 Interstate 35E over university	INTERSTATE		
15	35E	62810 Interstate 35E (ramp)	INTERSTATE		
16	35E	62863 Interstate 35E SB (Ramp to Randolph Ave)	INTERSTATE		
17	35E	62865 Interstate 35E over Jefferson Ave	INTERSTATE		
18	35E	62810A Interstate 35E	INTERSTATE		
19	35E	62X02 Ped Trail under TH 35E 0.5 mi S TH5	INTERSTATE		
20	35E	62X02X Ped Trail under TH 35E NB off Ramp 0.5 mi S of TH5	INTERSTATE		
21	35E	62X02Y Ped Trail under TH 35E SB on Ramp 0.5 mi S TH5	INTERSTATE		

Exhibit G: Project Map Example

