

September 9, 2019

Mr. Stefan Higgins Assistant City Engineer City of Blaine 10801 Town Square Drive NE Blaine, MN 55449

Re: 132<sup>nd</sup> Lane and Taylor Street Area Reconstruction City of Blaine (C.P. 19-XX) Proposal for Engineering and Construction Services

Dear Mr. Higgins:

WSB is pleased to provide you with our proposal to provide engineering and construction services for the 132<sup>nd</sup> Lane and Taylor Street Area Reconstruction Project. This project is to be constructed beginning in the Spring of 2020 and complete in the fall of 2020.

This project will include the full reconstruction of the roadways shown in Figure 1 from back of curb to back of curb. This will include replacement of the existing curb and gutter, replacement of the existing pavement, and minor repairs to the Cities utilities. This proposal includes services to complete the pre-feasibility report tasks, preliminary design, pavement design report, the feasibility report, final design and plan preparation, and construction services. This proposal does not include providing services for geotechnical investigation during the design phase, or construction testing. A proposal for those services will be provided upon request.

Thank you again for this opportunity to provide these engineering and construction services to the City of Blaine. I very much look forward to working with the City again on this project. If you have any questions or comments please do not hesitate to contact me at 763-287-8523.

Sincerely,

WSB

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Nicholas Hentges, PE Project Manager

cc: Dan Schluender, City Engineer, City of Blaine

#### **SCOPE OF WORK**

#### **TASK 1.0 – PROJECT MANAGEMENT**

#### Administration

Administration of the project will include monthly invoicing, contract amendment requests (if necessary), cost and schedule updates, billing preparation, other non-technical work, communication with the necessary project personnel and all other work to ensure all the project tasks are completed on time, within budget and in accordance with state and federal laws, rules and regulations.

#### **General Coordination**

General coordination of the project will include scheduling, preparing for, and facilitating the following meetings:

- Project Kickoff Meeting
- Monthly project management team meetings
- Coordination meetings for permitting requirements with Coon Creek Watershed District. One preliminary meeting
- Feasibility Meeting (1)
- Preliminary Design meeting. Further design meetings will be consolidated with PMT meetings
- Public open house meeting (1)
- Utility coordination meetings (2 minimum)

The consultant will coordinate with the City to secure the location for the public open house meeting.

#### Quality Assurance and Quality Control Functions (QA/QC)

The consultant will perform QA/QC functions throughout the project duration, from preliminary design through construction, to ensure delivery of a quality product in a timely manner.

Consistency in project management for this project is paramount. No changes in project management personnel will be made without written notice. Conditions where changes in key personnel are unavoidable (personnel no longer employed by the firm) are understood. Substitutions based on new projects or other additional workloads will not be favorably received. Likewise, the City will notify the selected consultant if there are changes in key personnel for the City.

#### **Deliverables**

- Schedule updates as needed
- Schedule monthly project management team meetings and other meetings identified above
- Coordinate activities with stakeholders via phone, e-mail and written correspondence
- Submit invoices in a timely manner
- Agendas and meeting minutes

#### TASK 2.0 – PRE-FEASIBILITY REPORT SERVICES & PRELIMINARY DESIGN

#### Topographic Survey - Base Mapping - Site Inspection

Surveying and mapping work will need to be completed by the consultant with this contract. Surveying and mapping should be completed in the Anoka County Coordinate System. Survey information should be provided to City of Blaine upon project completion including AutoCAD file, DTM, TIN file, point file, and description of vertical control used. WSB will complete all survey and mapping work required for the delivery of the project. Following completion of the topographic survey, WSB will process the field data and prepare the necessary base mapping to be used for the delivery of the project.

A preliminary site inspection will be necessary to determine the condition of the existing roadways, curb and gutter, sidewalks, storm sewer structures, and any other City infrastructure within the project limits. City staff will assist WSB with determining standards for any removals.

#### **Deliverables**

- Complete topographic survey and base mapping of project area
- Complete a preliminary site inspection to determine the scope of the project reconstruction

#### Preliminary Design – Pavement Design Report

WSB will complete a preliminary design for all components within the project limits. This preliminary design will serve as the basis for the feasibility report. The preliminary design will incorporate all improvements identified during the preliminary site inspection. Using the preliminary design WSB will identify the need for any new Right of Way or easements within the project limits. WSB will prepare and submit the preliminary plans to the City and Coon Creek Watershed District (CCWD) for review. WSB will incorporate comments from these agencies into subsequent plans and documents.

WSB will review the results of the preliminary site inspection of the roadway pavement in conjunction with recommendations made from the geotechnical evaluation. This will allow for the development of a pavement section that will address anticipated traffic loading and subgrade soil conditions, as well as document the design and justification for the new pavement section to be constructed with the project. This will be a technical report submitted independently of the feasibility report, project plans, and specifications. WSB will coordinate with the City and a geotechnical consultant to determine boring locations. WSB will coordinate with the geotechnical consultant to finalize the necessary geotechnical services. The City will pay the geotechnical services bills directly.

WSB will submit a Gopher State One Call design locate to collect the initial underground utility data. Following the locate request WSB will contact each private utility company to inform them of the project and to gather mapping of individual private facilities within the project limits. The City will provide record drawings of existing City utilities within the project limits.

#### **Deliverables**

- Complete topographic survey and base mapping of project area
- Complete a preliminary design for street profiles, storm water systems, storm water management, and Right of Way and/or Easement needs
- Preliminary construction plan (30%) that includes preliminary BMPs and project SWPPP
- Coordination with CCWD on BMPs and SWPPP
- Pavement Design Report, including geotechnical services coordination
- Gopher State One Call and private utility mapping

### TASK 3.0 - FEASIBILITY REPORT

#### Feasibility Report

Upon obtaining approval of the preliminary design from City staff, WSB will prepare a feasibility report that will include:

- Report Text
- Graphics depicting the proposed improvements
- Engineer's opinion of probable cost
- Preliminary assessment roll based on the City of Blaine's Assessment Policy.

WSB will prepare a draft feasibility report for review by the City. WSB will incorporate all City comments into the draft feasibility report in order to prepare the final feasibility report.

As a part of the feasibility report, WSB will prepare and mail the feasibility report public hearing notices. The City will provide a list of names and addresses for the mailing. WSB will prepare a presentation and handout materials for the public hearing and attend and facilitate the public hearing as well as document and summarize any comments received for use by the City.

#### **Deliverables**

- Feasibility report, draft and final.
- Public hearing mailing, presentation, materials, and comment summary
- All meetings associated with the feasibility report process are listed in the Project Management section above.

## TASK 4.0 - FINAL DESIGN SERVICES

#### Final Plans

Feedback from residents gathered at the public open house, along with input from City staff, will provide the basis for the final design and plan preparation. Once the City Council has ordered the project following the public open house WSB will complete the final design, which will include:

- Final pavement design and typical section based on City and MnDOT State Aid requirements
- Stormwater collection system improvements and additions, including structure repairs, casting
  adjustments/repairs and replacements, draintile installation as necessary, and stormwater
  treatment facilities as needed
- Other City utility improvements such as surface improvements to watermain and sanitary sewer structures

All elements of the final design will be documented in the construction plans prepared for the project. The construction plans will also detail miscellaneous items necessary for construction. The final plan set may consist of the following plan sheets, as well as others necessary for bidding the project:

- Title sheet
- Alignment sheet
- Statement of Estimated Quantities
- Project Tabulations
- General Construction Notes
- Removal sheets
- Street and storm sewer plan and profile sheets
- Watermain and sanitary sewer sheets as needed
- Surface water pollution prevention plan (SWPPP)
- Turf establishment and erosion control plans
- Signing and striping sheets

Final construction plans will be prepared and submitted at the 60% and 95% design stages. These plans will be delivered to the City and CCWD for review and comment at the 60% and 95% design stages. All comments received by the City and CCWD will be incorporated into subsequent plans.

#### Engineer's Opinion of Probable Cost

In addition to plans WSB will also prepare an Engineer's Opinion of Probable Cost at the 60% and 95% design stages for review by the City. The Engineer's Opinion of Probable Costs will be based on the City of Blaine's Assessment Policy and prepared using MnDOT's standard requirements. Upon receipt of all agency comments from the 95% design stage WSB will prepare the final Engineer's Opinion of Probable Cost for use by the City for bidding.

#### **Specifications**

WSB will prepare a project specifications package (Project Manual) that will include all materials that the City will use in bidding including the City's bid proposal form and special provisions. WSB will prepare the advertisement for bid using the City's template.

#### Legal Descriptions (Optional Task)

WSB will prepare legal description of the final Right of Way and/or easements for the project upon request by the City. The final easements will be determined based on refinements made to the easements identified the Pre-Feasibility phase.

#### **Deliverables**

- Design Files
  - 60% Plans

- 95% plans
- Engineer's Opinion of Probable Cost (60%, 95%, Final)
- Project Specifications (Project Manual)
- Legal descriptions for proposed Right of Way and/or Easements

#### Permits

Based on the nature of the construction the following permits will be prepared and submitted by WSB on behalf of the City:

- Minnesota Pollution Control Agency NPDES Construction Activity Permit
- Coon Creek Watershed District Permit

#### **TASK 5.0 – CONSTRUCTION SERVICES**

#### **Contract Administration**

Contract Administration components will include facilitation and attendance at the preconstruction meeting and weekly meetings, processing applications for payment, and managing personnel and project issues on a day-to-day basis.

#### **Construction Inspection**

WSB will provide construction observation services and personnel that have the appropriate certifications for the work being performed. Construction observation services will include on-site presence during construction and completing appropriate required documentation and reporting, along with tracking quantities for payment to the Contractor.

#### **Construction Staking**

WSB will provide construction staking services for the project. These services will include staking construction limits, existing and proposed easements and Right of Way, grading alignment and grades for all utility and street facilities and appurtenances, signage locations and any other survey needs for the project.

#### Project Coordination

WSB will also coordinate all required construction testing services for the project. The City of Blaine will pay construction testing services bills directly.

WSB staff will be available throughout construction for issues related to the project design.

#### Record Plans

WSB staff will prepare a draft of the as-built drawings for delivery to the City for review within two months following the completion of construction. Final edits will be made to the drawings and delivered to the City within one month following the initial review. Services necessary for completion of the as-built drawings will include the following:

- Surveying to locate and identify as-built elevations for all repaired or modified City utilities.
- Structure measure downs on all structures within the project limits.
- Record Drawing preparation
- Any necessary tie cards for repaired utilities.

# wsb

## EXHIBIT A COMPENSATION

# 132nd Lane and Taylor Street Area Street Reconstruction (19-XX)

	Estimated Hours														
	Derek S.	Nic. Hentges	Eric	Kelsey	Austin	WR	WR					Sr.			
		Project	Design	Project	Graduate	Project	Graduate	Constructon	Engineering			Environmental	Admin	Total	_
	Principal	Manager	Lead	Engineer	Engineer	Engineer	Engineer	Observer	Technician	Survey Crew	Survey Tech	Scientist	Assistant	Hours	Cost
1 Project Management											<u> </u>				
Project Management / QA/QC	2	6	6										6	20	\$ 2,746.00
Kick-Off Meeting	2	3	3	4		3								15	\$ 2,128.00
Feasibility Meeting		4	4	-		3								11	\$ 1,686.00
Design Meeting Broliminant Pormit Mosting		3	3	3		3								12	\$ 1,662.00
Preliminary Permit Meeting Preliminary Watershed Meeting		1	Z	Z		2	2					4		9	\$ 1 070 00
Subtotal	4	17	18	9		11	2					6	6	73	\$ 9.978.00
		1													
2 Pre-Feasibility Report Services															
A. Topographic survey										80				80	\$ 14,960.00
Process field data											12			12	\$ 1,380.00
Base mapping B Preliminary Site Inspection					20	4		16			14			14 40	\$ 1,610.00 \$ 4,272.00
Subtotal					20	4		16		80	26			146	\$ 22,222.00
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2.1 Preliminary Design															
A. Street centerline profile		2	4	4	4				8					22	\$ 2,668.00
Storm water collection system		1	2	1		6	24		4					37	\$ 4,334.00
Storm water management		1	2	<u> </u>		6	14							23	\$ 2,790.00
Utility coordination		2	Z	8	12									22	\$ 2,180.00
Subtotal		7	10	14	20	12	38		12					113	\$ 12,982.00
				1											
2.2 Pavement Design Report	1	2	2	10									4	19	\$ 2,105.00
3 Feasibility Report			4	40							1				¢ 0.000.00
A. Drait report		Z	4	16	6		2		6					32	\$ 3,380.00
A Engineer's opinion of probable cost		2	4	4	8				0					18	\$ 2 020 00
A. Report revisions based on staff review		2	2	4	4				2				4	18	\$ 1,956.00
B. Open House		4	2	4		2							4	16	\$ 1,968.00
Subtotal		10	14	32	26	2	2		8				8	102	\$ 11,296.00
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4 Final Design/Plan Preparation     Project Management / QA/QC     Design Meetings     A. Final Design	6	50 10	<u>36</u> 10			10								92 30	\$ 14,666.00 \$ 4,580.00
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4         Final Design/Plan Preparation           Project Management / QA/QC           Design Meetings           A. Final Design           i. Roadway geometrics           iii. Storm water collections system           iii. Storm water management facilities design           A. Plan Preparation           i. Title sheet & construction details           iii. Storm water management facilities details           iii. Storm water management facilities details           iii. Storm water management facilities details           iii. Removals           iv. Street/Storm Sewer plan and profile           vi. Stretorestorm Sewer plan and profile           vi. Stretores-sections           B. Permits           i. Anoka County Highway Department           ii. MnDOT           iii. Watershed District           iv. Minnesota Pollution Control Agency - NPDES           Project Manual           Quantity Takeoff	6	50 10 4 4 	36 10 16 4 4 4 6 6 4 4 16 8	60 12 12 4 2 8 30 2 4 4 4 4 5 8 30 2 4 4 4 5 8 16	10 2 8 16 2 2 2 4 32	10 26 26 8 12 20	50 50 20 18 40		30 12 12 2 36 8 10 2 8 44 12 12	8		4	12	92 30 110 120 104 6 66 26 76 10 20 68 73 7 64 58	\$ 14,666.00 \$ 12,540.00 \$ 12,540.00 \$ 14,864.00 \$ 12,244.00 \$ 636.00 \$ 7,976.00 \$ 2,676.00 \$ 2,676.00 \$ 2,676.00 \$ 3,640.00 \$ 2,112.00 \$ 7,952.00 \$ 7,952.00 \$ 6,336.00 \$ 750.00 \$ 5,916.00
4         Final Design/Plan Preparation           Project Management / QA/QC           Design Meetings           A. Final Design           i. Roadway geometrics           ii. Storm water collections system           iii. Storm water management facilities design           A. Plan Preparation           i. Title sheet & construction details           iii. Storm water management facilities details           iii. Storm water management facilities details           iii. Storm water management facilities details           iii. Removals           iv. Street/Storm Sewer plan and profile           vi. Surface water pollution prevention plan (SWPPP)           vii. Restoration/turf establishment plan           viii. Cross-sections           B. Permits           i. Anoka County Highway Department           iii. Watershed District           v. Minnesota Pollution Control Agency - NPDES           Project Manual           Quantity Takeoff	6	50 10 4 4 	36 10 16 4 4 4 6 6 4 4 16 8 104	60 12 12 4 2 8 30 2 4 4 4 4 5 8 30 2 4 4 4 5 16 162	10 2 8 16 2 2 24 32 94	10 26 26 8 12 20 102	50 50 20 18 40 40		30 12 12 2 36 8 10 2 8 44 12 12 176	8	4	4	12	92 30 110 120 104 6 6 6 6 6 26 7 6 7 6 4 5 8 9 30	\$ 14,666.00 \$ 4,580.00 \$ 12,540.00 \$ 14,864.00 \$ 12,244.00 \$ 636.00 \$ 7,976.00 \$ 2,676.00 \$ 2,676.00 \$ 3,640.00 \$ 2,112.00 \$ 7,952.00 \$ 7,952.00 \$ 8,758.00 \$ 7,50.00 \$ 5,916.00 \$ 112,274.00
4         Final Design/Plan Preparation           Project Management / QA/QC           Design Meetings           A. Final Design           i. Roadway geometrics           ii. Storm water collections system           iii. Storm water management facilities design           A. Plan Preparation           i. Title sheet & construction details           iii. Storm water management facilities details           iii. Removals           iv. Street/Storm Sewer plan and profile           vi. Surface water pollution prevention plan (SWPPP)           vii. Cross-sections           B. Permits           i. Anoka County Highway Department           ii. MnDOT           iii. Watershed District           iv. Minnesota Pollution Control Agency - NPDES           Project Manual           Quantity Takeoff           Subtotal	6	50 10 4 4 	36 10 16 4 4 4 4 6 6 4 4 16 8 104	60 12 12 4 2 8 30 2 4 4 4 4 4 4 16 162	10 10 2 8 16 2 2 24 32 94	10 26 26 8 12 20 102	50 50 20 18 40 178		30 12 12 2 36 8 10 2 8 44 12 12 176	8	4	4	12 12	92 30 110 120 104 6 6 6 6 6 26 76 10 20 68 73 7 64 58 930	\$ 14,666.00 \$ 4,580.00 \$ 12,540.00 \$ 14,664.00 \$ 12,244.00 \$ 636.00 \$ 7,976.00 \$ 2,676.00 \$ 2,676.00 \$ 2,676.00 \$ 2,676.00 \$ 2,112.00 \$ 1,028.00 \$ 7,952.00 \$ 7,952.00 \$ 8,758.00 \$ 750.00 \$ 6,936.00 \$ 5,916.00 \$ 5,916.00
4       Final Design/Plan Preparation         Project Management / QA/QC         Design Meetings         A. Final Design         i. Roadway geometrics         ii. Storm water collections system         iii. Storm water management facilities design         A. Plan Preparation         i. Title sheet & construction details         iii. Storm water management facilities details         iii. Storm water management facilities details         iii. Storm water management facilities details         iii. Removals         iv. Street/Storm Sewer plan and profile         vi. Surface water pollution prevention plan (SWPPP)         vii. Cross-sections         B. Permits         i. Anoka County Highway Department         ii. MnDOT         iii. Watershed District         iv. Minnesota Pollution Control Agency - NPDES         Project Manual         Quantity Takeoff         Subtotal	6	50 10 4 4 1 1 1 1 4 2 76	36 10 16 4 4 4 6 6 4 4 16 8 104	60 12 12 4 2 8 30 2 4 4 4 4 4 5 16 162	10 2 8 16 2 2 24 32 94	10 26 26 8 12 20 20 102	50 50 20 18 40 40		30 12 12 2 36 8 10 2 8 44 12 12 176	8	4	4	12	92 30 110 120 104 6 6 6 6 26 76 10 20 68 73 7 7 64 58 930 160	\$ 14,666.00 \$ 4,580.00 \$ 12,540.00 \$ 14,864.00 \$ 12,244.00 \$ 636.00 \$ 7,976.00 \$ 2,676.00 \$ 2,676.00 \$ 2,676.00 \$ 1,028.00 \$ 1,028.00 \$ 1,028.00 \$ 1,028.00 \$ 7,952.00 \$ 3,7,952.00 \$ 3,6,936.00 \$ 5,916.00 \$ 5,916.00 \$ 5,916.00 \$ 3,912,920.00 \$ 3,920.00
4         Final Design/Plan Preparation           Project Management / QA/QC           Design Meetings           A. Final Design           i. Roadway geometrics           ii. Storm water collections system           iii. Storm water collections system           iii. Storm water collections system           iii. Storm water management facilities design           A. Plan Preparation           i. Title sheet & construction details           iii. Storm water management facilities details           iii. Storm water management facilities details           iii. Removals           iv. Street/Storm Sewer plan and profile           vi. Surface water pollution prevention plan (SWPPP)           vii. Cross-sections           B. Permits           i. Anoka County Highway Department           ii. Watershed District           iv. Minnesota Pollution Control Agency - NPDES           Project Manual           Quantity Takeoff           Subtotal           5           Construction Staking           B. Construction Taking	6	50 10 4 4 	36 10 16 4 4 4 	60 12 12 4 2 8 30 2 4 4 4 4 5 16 162	10 10 2 8 16 2 2 24 32 94	10 26 26 8 12 20 102	50 50 20 18 40 40	600	30 12 12 36 8 10 2 8 44 12 12 176	8 8 8 8 8 8 160		4	12 12	92 30 110 120 104 6 6 6 6 6 26 76 10 20 68 73 7 64 58 930 160 600	\$ 14,666.00 \$ 4,580.00 \$ 12,540.00 \$ 14,864.00 \$ 12,244.00 \$ 636.00 \$ 7,976.00 \$ 2,676.00 \$ 2,676.00 \$ 2,676.00 \$ 2,676.00 \$ 2,676.00 \$ 2,112.00 \$ 7,952.00 \$ 7,950.00 \$ 7,950.00 \$ 7,080.00 \$ 7,080.00
4         Final Design/Plan Preparation           Project Management / QA/QC           Design Meetings           A. Final Design           i. Roadway geometrics           ii. Storm water collections system           iii. Storm water management facilities design           A. Plan Preparation           i. Title sheet & construction details           iii. Storm water management facilities details           iii. Storm water management facilities details           iii. Storm sewer plan and profile           v. Street/Storm Sewer plan and profile           vi. Strace water pollution prevention plan (SWPPP)           viii. Restoration/turf establishment plan           viii. Cross-sections           B. Permits           i. Anoka County Highway Department           ii. MnDOT           iii. Watershed District           iv. Minnesota Pollution Control Agency - NPDES           Project Manual           Quantity Takeoff           Subtotal           5         Construction Staking           B. Construction Observation (Assume 12 weeks, 5 days/wk, 10 hours/day)           C. Project Coordination	6	50 10 4 4 	36 10 16 4 4 4 4 4 4 6 6 4 4 16 8 104	60 12 12 4 2 8 30 2 4 4 4 4 	10 10 2 8 16 16 2 2 24 32 94	10 26 26 8 12 20 102	50 50 20 18 40 178	600 24	30 12 12 2 36 8 10 2 8 44 12 12 176	8 8 8 8 8 8 8 160		4	12 12	92 30 110 120 104 6 6 6 6 6 26 76 10 20 6 8 73 7 64 58 930 160 600 108	\$ 14,666.00 \$ 4,580.00 \$ 12,540.00 \$ 14,864.00 \$ 12,244.00 \$ 636.00 \$ 7,976.00 \$ 2,676.00 \$ 2,676.00 \$ 2,676.00 \$ 3,040.00 \$ 2,112.00 \$ 7,952.00 \$ 7,952.00 \$ 6,936.00 \$ 5,916.00 \$ 5,916.00 \$ 112,274.00 \$ 29,920.00 \$ 70,800.00 \$ 70,800.00 \$ 29,920.00 \$ 70,800.00 \$ 70,800.00 \$ 70,800.00 \$ 70,800.00 \$ 70,955.00 \$ 70,950.00 \$ 70,950.00 \$ 70,800.00 \$ 70,8
4         Final Design/Plan Preparation           Project Management / QA/QC           Design Meetings           A. Final Design           i. Roadway geometrics           ii. Storm water collections system           iii. Storm water management facilities design           A. Plan Preparation           i. Title sheet & construction details           iii. Removals           iv. Street/Storm Sewer plan and profile           v. Surface water pollution prevention plan (SWPPP)           vii. Restoration/turf establishment plan           viii. Cross-sections           B. Permits           i. Anoka County Highway Department           ii. Watershed District           iv. Minnesota Pollution Control Agency - NPDES           Project Manual           Quantity Takeoff           Subtotal           5         Construction Staking           B. Construction Observation (Assume 12 weeks, 5 days/wk, 10 hours/day)           C. Project Management	6	50 10 4 4 4 1 1 1 1 4 2 76 76 24 24	36 10 16 4 4 6 6 4 16 8 104	60 12 12 4 2 8 30 2 4 4 4 4 4 4 6 16 162 60 60 60 60	10 2 8 16 2 2 4 32 94 94 60	10 26 26 8 12 20 102	50 50 20 18 40 178 16	600 24 50	30 12 12 2 36 8 10 2 8 44 12 12 176	8 8 8 160	4	4		92 30 110 120 104 6 66 26 76 10 20 68 77 64 58 930 7 64 58 930 160 600 108 210	\$ 14,666.00 \$ 4,580.00 \$ 12,540.00 \$ 14,864.00 \$ 12,244.00 \$ 636.00 \$ 7,976.00 \$ 2,676.00 \$ 2,676.00 \$ 2,676.00 \$ 3,640.00 \$ 2,112.00 \$ 7,952.00 \$ 7,952.00 \$ 7,952.00 \$ 7,952.00 \$ 3,750.00 \$ 5,916.00 \$ 5,916.00 \$ 112,274.00 \$ 29,920.00 \$ 70,800.00 \$ 22,708.00
4         Final Design/Plan Preparation           Project Management / QA/QC           Design Meetings           A. Final Design           i. Roadway geometrics           ii. Storm water collections system           iii. Storm water management facilities design           A. Plan Preparation           i. Title sheet & construction details           iii. Storm water management facilities details           iii. Removals           iv. Street/Storm Sewer plan and profile           v. Stret/Storm Sewer plan and profile           vi. Restoration/turf establishment plan           viii. Cross-sections           B. Permits           i. Anoka County Highway Department           ii. MnDOT           iii. Watershed District           iv. Minnesota Pollution Control Agency - NPDES           Project Manual           Quantity Takeoff           Subtotal           5           Construction Staking           B. Construction Observation (Assume 12 weeks, 5 days/wk, 10 hours/day)	6	50 10 4 4 4 1 1 1 1 1 4 2 76 76 24 24 24 4	36 10 16 4 4 4 6 6 4 4 16 8 104 2	60 12 12 4 2 8 30 2 4 4 4 4 4 60 60 60 60	10 2 8 16 2 24 32 94 60	10 26 26 8 12 20 102	50 50 20 18 40 178 16	600 24 50 3	30 12 12 2 36 8 10 2 8 44 12 12 176	8 8 160	4	4	   12  12	92 30 110 120 104 6 6 6 6 6 26 7 6 10 20 6 8 7 3 7 6 4 58 930 7 6 4 58 930 160 600 108 210 9 9	\$ 14,666.00 \$ 4,580.00 \$ 12,540.00 \$ 14,864.00 \$ 12,244.00 \$ 636.00 \$ 7,976.00 \$ 2,676.00 \$ 2,676.00 \$ 2,676.00 \$ 2,112.00 \$ 7,952.00 \$ 7,952.00 \$ 7,50.00 \$ 5,916.00 \$ 112,274.00 \$ 29,920.00 \$ 70,800.00 \$ 12,576.00 \$ 22,708.00 \$ 1,310.00
4       Final Design/Plan Preparation         Project Management / QA/QC         Design Meetings         A. Final Design         i. Roadway geometrics         ii. Storm water collections system         iii. Storm water management facilities design         A. Plan Preparation         i. Title sheet & construction details         iii. Storm water management facilities details         iii. Removals         iv. Street/Storm Sewer plan and profile         vi. Restoration/turf establishment plan         viii. Cross-sections         B. Permits         i. Anoka County Highway Department         iii. Watershed District         v. Minnesota Pollution Control Agency - NPDES         Project Manual         Quantity Takeoff         Subtotal         5       Construction Staking         B. Construction Staking         B. Construction Staking         B. Construction Meetings (bi-weekly)         C. Project Management         E. Preconstruction Meetings (b	6 	50 10 4 4 4 4 7 6 76 76 24 24 24 24 4 24	36 10 16 4 4 6 6 4 4 10 16 8 104 2	60 12 12 4 2 8 30 2 4 4 4 4 4 5 60 60 60 60 60 60	10 10 2 8 16 2 24 32 94 60 60	10 26 26 8 12 20 102	50 50 20 18 40 40 <b>178</b> 16	600 24 50 3 12	30 12 12 2 36 8 10 2 8 44 12 176	8 8 8 160	4	4		92 30 110 120 104 6 6 6 6 26 76 10 20 68 73 7 64 58 930 160 600 108 210 9 36 440	\$ 14,666.00 \$ 4,580.00 \$ 12,540.00 \$ 14,864.00 \$ 12,244.00 \$ 636.00 \$ 7,976.00 \$ 2,676.00 \$ 2,676.00 \$ 3,640.00 \$ 2,112.00 \$ 1,028.00 \$ 7,952.00 \$ 7,952.00 \$ 7,952.00 \$ 5,916.00 \$ 5,916.00 \$ 112,274.00 \$ 12,576.00 \$ 29,920.00 \$ 70,800.00 \$ 12,576.00 \$ 22,708.00 \$ 1,310.00 \$ 5,400.00 \$ 1,310.00 \$ 5,400.00
4       Final Design/Plan Preparation         Project Management / QA/QC         Design Meetings         A. Final Design         i. Roadway geometrics         ii. Storm water collections system         iii. Storm water management facilities design         A. Plan Preparation         i. Title sheet & construction details         iii. Storm water management facilities details         iii. Removals         iv. Street/Storm Sewer plan and profile         vi. Streft/Storm Sewer plan and profile         vi. Strace water pollution prevention plan (SWPPP)         viii. Cross-sections         B. Permits         i. Anoka County Highway Department         iii. Watershed District         iv. Minnesota Pollution Control Agency - NPDES         Project Manual         Quantity Takeoff         Subtotal         5       Construction Observation (Assume 12 weeks, 5 days/wk, 10 hours/day)         C. Project Coordination         D. Project Management         E. Preconstruction Meeting         F. Construction Meeting         F. Construction Meeting         F. Construction Meeting         F. Construction Meetings (bi-weekly)         G. Record Plans	6 	50 10 4 4 4 4 7 7 6 7 6 7 6 7 6 7 6 7 6 7 6	36 10 16 4 4 4 6 6 4 4 6 16 8 104 2 2	60 12 12 4 2 8 30 2 4 4 4 4 4 4 5 60 60 60 60 60 16 12 12 12 12 12 12 12 12 12 12	2 8 16 2 2 4 32 94 94 60 60	10 26 26 8 12 20 102	50 50 20 18 40 178 16	600 24 50 3 12	30 12 12 2 36 8 10 2 8 44 12 12 176	8 8 8 160 160 32 102		4		92 30 110 120 104 6 6 6 6 26 76 10 20 68 73 7 64 58 930 160 600 108 210 9 36 110 9 36 110	\$ 14,666.00 \$ 4,580.00 \$ 12,540.00 \$ 14,664.00 \$ 12,244.00 \$ 636.00 \$ 7,976.00 \$ 2,676.00 \$ 2,676.00 \$ 2,676.00 \$ 2,676.00 \$ 3,640.00 \$ 1,028.00 \$ 1,028.00 \$ 1,028.00 \$ 3,640.00 \$ 1,028.00 \$ 1,028.00 \$ 1,028.00 \$ 2,952.00 \$ 3,7952.00 \$ 3,9952.00 \$ 3,14,1960.00 \$ 4,14,1960.00 \$ 4,1
4       Final Design/Plan Preparation         Project Management / QA/QC         Design Meetings         A. Final Design         i. Roadway geometrics         ii. Storm water collections system         iii. Storm water management facilities design         A. Plan Preparation         i. Title sheet & construction details         iii. Storm water management facilities details         iii. Removals         iv. Street/Storm Sewer plan and profile         vi. Sufface water pollution prevention plan (SWPPP)         viii. Cross-sections         B. Permits         i. Anoka County Highway Department         ii. MnDOT         iii. Watershed District         iv. Minnesota Pollution Control Agency - NPDES         Project Manual         Quantity Takeoff         Subtotal         5       Construction Observation (Assume 12 weeks, 5 days/wk, 10 hours/day)	6 	50 10 4 4 	36 10 16 4 4 4 	60 12 12 4 2 8 30 2 4 4 4 4 4 60 60 60 60 60 16 136	10 2 8 16 2 2 4 32 94 94 60 60 36 96	10 26 26 8 12 20 102	50 50 20 18 40 40 178 16 16	600 24 50 3 12 689	30 12 12 36 8 10 2 8 44 12 12 12 176 20 20 20 20	8 8 160 32 192	4	4	12 12	92 30 110 120 104 6 6 6 6 26 76 10 20 68 73 7 64 58 930 160 600 108 210 9 36 110 1233	\$ 14,666.00 \$ 4,580.00 \$ 12,540.00 \$ 14,864.00 \$ 12,244.00 \$ 636.00 \$ 7,976.00 \$ 2,676.00 \$ 2,676.00 \$ 2,676.00 \$ 2,676.00 \$ 2,112.00 \$ 1,028.00 \$ 1,028.00 \$ 1,028.00 \$ 3,7,952.00 \$ 3,7,952.00 \$ 5,916.00 \$ 5,916.00 \$ 12,576.00 \$ 22,708.00 \$ 12,576.00 \$ 22,708.00 \$ 12,576.00 \$ 12,576.00 \$ 12,576.00 \$ 12,576.00 \$ 12,576.00 \$ 12,576.00 \$ 12,576.00 \$ 12,576.00 \$ 12,576.00 \$ 14,196.00 \$ 14,196.00 \$ 14,196.00 \$ 156,910.00
4       Final Design/Plan Preparation         Project Management / QA/QC         Design Meetings         A. Final Design         i. Roadway geometrics         ii. Storm water collections system         iii. Storm water management facilities design         A. Plan Preparation         i. Title sheet & construction details         iii. Storm water management facilities details         iii. Removals         iv. Street/Storm Sewer plan and profile         vi. Surface water pollution prevention plan (SWPPP)         vii. Restoration/turf establishment plan         viii. Cross-sections         B. Permits         i. Anoka County Highway Department         ii. MnDOT         iii. Watershed District         iv. Minnesota Pollution Control Agency - NPDES         Project Manual         Quantity Takeoff         Subtotal         5       Construction Staking         B. Construction Meetings         F. Construction Meetings         F. Construction Meeting         F. Construction Meetings	6	50 10 4 4 	36 10 16 4 4 4 	60 12 12 4 2 8 30 2 4 4 4 4 4 4 60 60 60 60 60 16 136 363	10 2 8 16 2 2 24 32 94 94 60 60 36 96 96 256	10 26 26 8 12 20 102 102 131	50 50 20 18 40 40 178 16 16 16 236	600 24 50 3 12 689 705	30 12 12 36 8 10 2 8 44 12 176 176 20 20 20 216	8 8 8 160 160 32 192 280	4	4	12 12 12 12 30	92 30 110 120 104 6 6 6 6 26 76 10 20 68 73 7 64 58 930 73 7 64 58 930 160 600 108 210 9 36 110 120 20 68 9 36 110 120 104 104 104 104 104 104 104 10	\$ 14,666.00 \$ 4,580.00 \$ 12,540.00 \$ 14,864.00 \$ 12,244.00 \$ 636.00 \$ 7,976.00 \$ 2,676.00 \$ 2,676.00 \$ 2,676.00 \$ 1,028.00 \$ 1,028.00 \$ 1,028.00 \$ 7,952.00 \$ 3,7,952.00 \$ 7,952.00 \$ 7,952.00 \$ 29,920.00 \$ 5,916.00 \$ 29,920.00 \$ 12,576.00 \$ 22,708.00 \$ 12,576.00 \$ 12,576.00 \$ 12,576.00 \$ 12,576.00 \$ 12,576.00 \$ 12,576.00 \$ 14,196.00 \$ 14,196.00 \$ 156,910.00 \$ 327,767.00
4       Final Design/Plan Preparation         Project Management / QA/QC         Design Meetings         A. Final Design         i. Roadway geometrics         ii. Storm water collections system         iii. Storm water management facilities design         A. Plan Preparation         i. Title sheet & construction details         iii. Storm water management facilities details         iii. Removals         iv. Street/Storm Sewer plan and profile         vd. Surface water pollution prevention plan (SWPPP)         viii. Restoration/turf establishment plan         viiii. Cross-sections         B. Permits         i. Anoka County Highway Department         ii. MnDOT         iii. Watershed District         iv. Minnesota Pollution Control Agency - NPDES         Project Manual         Quantity Takeoff         Subtotal         5       Construction Staking         B. Construction Observation (Assume 12 weeks, 5 days/wk, 10 hours/day)         C. Project Management         E. Preconstruction Meeting         F. Construction Meeting         F. Construction Meeting         F. Construction Meeting         F. Construction Meeting         G. Record Plans         Subto	6 6 6 11	50 10 4 4 	36         10         16         4         4         6         4         16         6         10         16         2         4         6         104         105         104         104         104         104         104         105         154	60 12 12 4 2 8 30 2 4 4 4 4 4 60 60 60 60 60 16 16 136 363	2 8 16 2 2 8 16 2 2 24 32 94 94 60 60 60 36 96 256	10 26 26 8 12 20 102 102 131	50 50 20 18 40 40 178 16 16 16 236	600 24 50 3 12 689 705	30 12 12 36 8 10 2 8 44 12 12 176 20 20 20 20 216	8 8 8 160 32 192 280	4	4	12 12 12 12 30	92 30 110 120 104 6 6 6 26 76 10 20 68 73 7 64 58 930 73 7 64 58 930 160 600 108 210 9 36 110 1233 2616	\$ 14,666.00 \$ 4,580.00 \$ 12,540.00 \$ 14,864.00 \$ 12,244.00 \$ 636.00 \$ 2,676.00 \$ 2,676.00 \$ 2,676.00 \$ 2,676.00 \$ 2,676.00 \$ 2,676.00 \$ 3,7,952.00 \$ 1,028.00 \$ 7,952.00 \$ 7,952.00 \$ 7,952.00 \$ 7,952.00 \$ 7,952.00 \$ 29,920.00 \$ 5,916.00 \$ 112,274.00 \$ 29,920.00 \$ 12,576.00 \$ 22,708.00 \$ 1,310.00 \$ 1,310.00 \$ 1,4196.00 \$ 156,910.00 \$ 327,767.00
4       Final Design/Plan Preparation         Project Management / QA/QC         Design Meetings         A. Final Design         i. Roadway geometrics         ii. Storm water collections system         iii. Storm water management facilities design         A. Plan Preparation         i. Title sheet & construction details         iii. Removals         iv. Street/Storm Sewer plan and profile         v. Surface water pollution prevention plan (SWPPP)         vii. Restoration/turf establishment plan         viii. Cross-sections         B. Permits         i. Anoka County Highway Department         ii. MnDOT         iii. Watershed District         iv. Minesota Pollution Control Agency - NPDES         Project Manual         Quantity Takeoff         Subtotal         5       Construction Staking         B. Construction Observation (Assume 12 weeks, 5 days/wk, 10 hours/day)         C. Project Coordination         D. Proejct Management         E. Preconstruction Meeting         F. Construction Meeting (bi-weekly)         G. Record Plans         Subtotal	6 6 6 11 11 185.00	50 10 4 4 4 4 7 6 76 76 76 76 76 76 76 76 76 76 76 76	36 10 16 4 4 6 6 4 4 16 8 104 2 2 2 4 6 154	60 12 12 4 2 8 30 2 4 4 4 4 4 4 6 16 16 16 16 136 363 96.00	10 2 8 16 2 2 24 32 94 94 60 60 60 60 36 96 96 256	10 26 26 8 12 20 102 102 131 146.00	50 50 20 18 40 40 178 16 16 16 236	600 24 50 3 12 689 705	30 12 12 2 36 8 10 2 8 44 12 176 176 20 20 20 20 20 20 20 20 20 20	8 8 160 32 192 280	4	4 4 8 8 14	12 12 12 12 30	92 30 110 120 104 6 66 26 76 10 20 68 73 7 64 58 930 7 64 58 930 160 600 108 210 9 36 110 1233 2616	\$ 14,666.00 \$ 4,580.00 \$ 12,540.00 \$ 14,864.00 \$ 12,244.00 \$ 636.00 \$ 7,976.00 \$ 2,676.00 \$ 2,676.00 \$ 3,640.00 \$ 2,112.00 \$ 7,952.00 \$ 7,952.00 \$ 7,952.00 \$ 7,952.00 \$ 3,640.00 \$ 1,028.00 \$ 7,952.00 \$ 7,

TOTAL PROPOSED FEE											\$32	27,767.00
OPTION TASKS												
Legal Descriptions (Assumes 10 parcels)	Transmure	4	20	)	1		The second se	60		84	\$	10,144.00

