

OP 7835 ADDENDUM NO. 1

ST. MARYS/HIAWATHA TUNNEL REHABILITATION – PHASE II MINNEAPOLIS PROJECT NO. CSW1112STSMDSN2 CITY of MINNEAPOLIS

To: All Plan Holders of Record

The attention of prospective Bidders and suppliers is called to the following addenda to the Contract Documents for the ST. MARYS/HIAWATHA PHASE II TUNNEL REHABILITATION. Bidders shall acknowledge receipt of this Addendum No. 1 in the space provided on the Bid Form. This Addendum No. 1 shall be appended to and amend the Bidding Documents as follows:

Technical Specifications

Item 1–Section 01330 Submittal Procedures: Add the following paragraphs:

1.05. Applications for Payment:

D. Partial Payment

1. 5% of each partial payment will be deducted and retained by the City. This retainage amount will be released to the contractor upon issuance of final submittals as described in Section 01770 – Closeout Procedures. Any work directed by the Engineer and not completed by the Contractor will be corrected by city forces and cost for this work will be deducted from the 5% retainage. Any outstanding payments due to the City from the Contractor or its subcontractors will be deducted from the retainage.

Before the release of each partial payment, the Contractor is responsible for submitting all necessary documentation which is involved in that phase of the partial payment. This includes the current erosion control log (if applicable) and Civil Rights monthly reports and documentation.

Item 2–Section 03920 Item 3.02 SURFACE PREPARATION (clarification)

The degree of surface preparation is specified in the referenced section. All unsound or loose existing concrete material is specified to be removed. Sound concrete removal is required at the downstream terminus of the overlay where it ties into the existing invert, to prevent a feathered edge. A minimum concrete overlay thickness of 2 inches is required for the full extent of the transition. All other sound concrete shall be left in place unless the minimum concrete overlay thickness of 2 inches is not met. Isolated areas of sound concrete extending above the invert repair does not require removal and may be left in place. The intent is to minimize the removal of sound concrete during preparation of the invert repairs.

Other

Item 3–Bid Form: The original Bid Form shall be deleted and replaced with the attached revised Bid Form.

Item 4–Prebid meeting minutes and bidder questions are attached and included as part of this addendum.

I hereby certify that this Addendum was prepared by me or under my direct supervision and that I am a duly Licensed Professional Engineer under the Laws of the State of Minnesota.


(Michael B. Haggerty

Date: July 18, 2013 Reg. No. 46231



City of Minneapolis
Department of Civil Rights (MDCR)

MANDATORY –Pre-Bid Meeting

July 12, 2013 @ 8:00 a.m.

ST. MARY'S HIAWATHA TUNNEL REHABILITATION – PHASE 2 PROJECT
(O.P. #7835)

✓ **Small & Underutilized Business Program (SUBP) Goals – PENDING/ADDENDUM TO FOLLOW**

- Minority-owned Business Entity (MBE) – **0%**
- Woman-owned Business Entity (WBE) – **0%**
- Special Provisions – all tiers of subcontracting are subject to the requirements of this project – NO ONE is exempt -
- Must submit **completed** SUBP form with bid. Otherwise, may be deemed **nonresponsive**.
- MUST utilize the **MN/UCP directory** found at **<http://mnucp.org/>** - NO LONGER ACCEPTING CERT CERTIFIED CONTRACTORS to meet MBE/WBE Goals – If CERT certified vendors are identified on the SUBP form that **have not** been certified through the MN/UCP the bid will be deemed non-responsive

✓ **Good Faith Efforts Review –**

- MDCR will make a determination of Good Faith Efforts if SUBP goals not met according to SUBP bid form.
- MDCR will request an exorbitant amount of documentation if both the WBE & MBE goals aren't met as indicated on the SUBP form
- Document all efforts to solicit to and contract with W/MBEs.
- Contact W/MBE companies within the scope of work that can be subcontracted.
- **Read bid specs regarding SUBP and Good Faith Efforts.**
- **You cannot revise/resubmit the SUBP form – it is part of the bid submission and cannot be altered.**
- **A Contractor CANNOT state that they have the WBE and/or MBE goal met AFTER MDCR has determined that a good faith effort is warranted.**

✓ **Employment Labor Hour Goals –**

- **6% Female, 32% Skilled and Unskilled Minority combined**
- **ALL CONTRACTORS/SUBCONTRACTORS** - Any new hires and/or supplements workforce on this project must have a commitment and documented efforts to seek females and minorities
- Monthly online payroll reporting due the 10th of every month into the LCPtracker database.

✓ **Affirmative Action Plan** - \$50,000 or more

- General contractor prior to award
- Subcontractors after award

✓ **Pre-Construction Booklet** -

- Lists contract amounts, employment hours, and contact info for each subcontractor.
- If any W/MBE company listed in Pre-Construction booklet is not used, contractor must seek prior approval from MDCR and replace with another W/MBE subcontractor.

✓ **Prevailing Wage** -

- Preliminary wage decision attached – **PLEASE NOTE – SUBJECT TO CHANGE**
- Required pursuant to Minneapolis city ordinance (mirrors the federal Davis Bacon Act)
- MDCR investigates complaints and apparent violations

✓ **Contact Information** -

Leslie Woyee, Contract Compliance Officer
leslie.woyee@minneapolismn.gov
(612) 673-2583

General Decision Number: MN130096 05/10/2013 MN96

Superseded General Decision Number: MN20120096

State: Minnesota

Construction Type: Heavy
Heavy including Water and Sewer Lines

County: Hennepin County in Minnesota.

HEAVY CONSTRUCTION PROJECTS (including sewer/water construction).

Modification Number	Publication Date
0	01/04/2013
1	03/29/2013
2	05/03/2013
3	05/10/2013

CARP0548-002 07/01/2012

	Rates	Fringes
CARPENTER (Including Form Work).....	\$ 33.34	16.73

ELEC0292-024 05/01/2009

	Rates	Fringes
ELECTRICIAN.....	\$ 34.30	70.25%

ENGI0049-064 05/01/2013

	Rates	Fringes
OPERATOR: Power Equipment		
Group 2.....	\$ 32.22	16.70
Group 3.....	\$ 31.67	16.70
Group 4.....	\$ 31.37	16.70
Group 5.....	\$ 28.33	16.70
Group 6.....	\$ 27.12	16.70

POWER EQUIPMENT OPERATOR CLASSIFICATIONS

GROUP 2: Crane with over 135' Boom, excluding jib; Dragline & Hydraulic Backhoe with shovel-type controls, 3 cubic yards and over; Grader/Blade finishing earthwork and bituminous.

GROUP 3: Dragline & Hydraulic Backhoe with shovel-type controls up to 3 cubic yards; Loader 5 cu yd and over; Mechanic; Tandem Scraper; Truck Crane; Crawler Crane

GROUP 4: Bituminous Roller 8 tons & over; Crusher/Crushing Plant; Drill Rig; Elevating Grader; Loader over 1 cu yd; Grader; Pump; Scraper up; to 32 cu yd; Farm Tractor with Backhoe attachment; Skid Steer Loader over 1 cu yd with Backhoe attachment; Bulldozer over 50 hp.

GROUP 5: Bituminous Roller under 8 tons; Bituminous Rubber Tire Roller; Loader up to 1 cu yd; Bulldozer 50 hp or less.

GROUP 6: Oiler; Self-Propelled Vibrating Packer 35 hp and over.

CRANE OVER 135' BOOM, EXCLUDING JIB - \$.25 PREMIUM;
CRANE OVER 200' BOOM, EXCLUDING JIB - \$.50 PREMIUM

UNDERGROUND WORK:

TUNNELS, SHAFTS, ETC. - \$.25 PREMIUM
UNDER AIR PRESSURE - \$.50 PREMIUM

HAZARDOUS WASTE PROJECTS (PPE Required):

LEVEL A - \$1.25 PREMIUM
LEVEL B - \$.90 PREMIUM
LEVEL C - \$.60 PREMIUM

IRON0512-041 05/01/2012

	Rates	Fringes
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IRONWORKER, STRUCTURAL AND REINFORCING.....	\$ 34.15	21.20
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LABO0132-037 05/01/2012

	Rates	Fringes
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LABORER (LANDSCAPE).....	\$ 17.49	12.10
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LABO0563-026 05/01/2012

	Rates	Fringes
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LABORERS		
(1) Common or General Laborer; Top Person.....	\$ 26.82	15.72
(2) Mason Tender Cement/Concrete.....	\$ 27.02	15.72
(6) Pipe Layer.....	\$ 28.82	15.72

PLAS0633-004 05/09/2012

	Rates	Fringes
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CEMENT MASON/CONCRETE FINISHER....	\$ 32.80	17.00
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PLUM0015-023 06/01/2012

	Rates	Fringes
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PLUMBER.....	\$ 40.56	20.24
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FOOTNOTE:

Paid Holiday: Labor Day

PLUM0539-017 05/01/2012

	Rates	Fringes
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PIPEFITTER.....	\$ 36.52	25.21
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* TEAM0160-016 05/01/2013

	Rates	Fringes
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TRUCK DRIVER (DUMP)	
(1) Articulated Dump Truck..\$ 27.25	14.45
(2) 3 Axles/4 Axles; 5 Axles receive \$0.30 additional per hour.....\$ 26.70	14.45
(3) Tandem Axles; & Single Axles.....\$ 26.60	14.45

WELDERS - Receive rate prescribed for craft performing operation to which welding is incidental.

Unlisted classifications needed for work not included within the scope of the classifications listed may be added after award only as provided in the labor standards contract clauses (29CFR 5.5 (a) (1) (ii)).

The body of each wage determination lists the classification and wage rates that have been found to be prevailing for the cited type(s) of construction in the area covered by the wage determination. The classifications are listed in alphabetical order of "identifiers" that indicate whether the particular rate is union or non-union.

Union Identifiers

An identifier enclosed in dotted lines beginning with characters other than "SU" denotes that the union classification and rate have found to be prevailing for that classification. Example: PLUM0198-005 07/01/2011. The first four letters, PLUM, indicate the international union and the four-digit number, 0198, that follows indicates the local union number or district council number where applicable, i.e., Plumbers Local 0198. The next number, 005 in the example, is an internal number used in processing the wage determination. The date, 07/01/2011, following these characters is the effective date of the most current negotiated rate/collective bargaining agreement which would be July 1, 2011 in the above example.

Union prevailing wage rates will be updated to reflect any changes in the collective bargaining agreements governing the rates.

000/9999: weighted union wage rates will be published annually each January.

Non-Union Identifiers

Classifications listed under an "SU" identifier were derived from survey data by computing average rates and are not union rates; however, the data used in computing these rates may include both union and non-union data. Example: SULA2004-007

5/13/2010. SU indicates the rates are not union majority rates, LA indicates the State of Louisiana; 2004 is the year of the survey; and 007 is an internal number used in producing the wage determination. A 1993 or later date, 5/13/2010, indicates the classifications and rates under that identifier were issued as a General Wage Determination on that date.

Survey wage rates will remain in effect and will not change until a new survey is conducted.

WAGE DETERMINATION APPEALS PROCESS

1.) Has there been an initial decision in the matter? This can be:

- * an existing published wage determination
- * a survey underlying a wage determination
- * a Wage and Hour Division letter setting forth a position on a wage determination matter
- * a conformance (additional classification and rate) ruling

On survey related matters, initial contact, including requests for summaries of surveys, should be with the Wage and Hour Regional Office for the area in which the survey was conducted because those Regional Offices have responsibility for the Davis-Bacon survey program. If the response from this initial contact is not satisfactory, then the process described in 2.) and 3.) should be followed.

With regard to any other matter not yet ripe for the formal process described here, initial contact should be with the Branch of Construction Wage Determinations. Write to:

Branch of Construction Wage Determinations
Wage and Hour Division
U.S. Department of Labor
200 Constitution Avenue, N.W.
Washington, DC 20210

2.) If the answer to the question in 1.) is yes, then an interested party (those affected by the action) can request review and reconsideration from the Wage and Hour Administrator (See 29 CFR Part 1.8 and 29 CFR Part 7). Write to:

Wage and Hour Administrator
U.S. Department of Labor
200 Constitution Avenue, N.W.
Washington, DC 20210

The request should be accompanied by a full statement of the interested party's position and by any information (wage payment data, project description, area practice material, etc.) that the requestor considers relevant to the issue.

3.) If the decision of the Administrator is not favorable, an interested party may appeal directly to the Administrative Review Board (formerly the Wage Appeals Board). Write to:

Administrative Review Board
U.S. Department of Labor
200 Constitution Avenue, N.W.

Washington, DC 20210

4.) All decisions by the Administrative Review Board are final.

END OF GENERAL DECISION

BID FORM

PROJECT: St. Mary's/Hiawatha Tunnel Rehabilitation Phase II

OWNER: City of Minneapolis Department of Public Works
1901 East 26th Street
Minneapolis, MN 55404

PROJECT CONSULTANT: Michael Haggerty, PE
Barr Engineering Company
4700 West 77th Street
Suite 200
Minneapolis, MN 55435

BID SUBMISSION DATE AND TIME: Refer to official publication/advertisement for bid for specified date, time, and location.

SUBMITTED BY: Firm Name _____
Contact: _____
Phone: _____
E-mail: _____

OFFER: The undersigned, being familiar with the local conditions affecting the cost of the work within the Contract Documents, including the Call for Bids, Instruction to Bidders, Specification Information, Bid Form, General Specifications, Standard Supplemental Specifications For The Construction of Public Infrastructure In The City of Minneapolis , and Drawings and in accordance with the provisions thereof, hereby proposes to furnish all labor and material and equipment necessary to accomplish the construction for St. Mary's/Hiawatha Tunnel Rehabilitation: City of Minneapolis Department of Public Works, Minneapolis, Minnesota.

The quantities indicated for "UNIT PRICE" bid items are for the convenience of the Bidder and are not guaranteed. "UNIT PRICE" bid items shall include all labor, materials, storing, equipment, overhead, profit, insurance, tags, etc. necessary to cover the work described in the contract documents. It shall be the Bidder's responsibility to verify all quantities to their own satisfaction. The Bidder must fill in the unit price and the totals for each item. For complete information regarding these items refer to the Drawings and Specifications. "Base" and "Contingency" quantities are presented for bid items that may have a degree of variation in quantities. "Base" quantities are based on available inspection data and "Contingency" quantities are intended to apply to overrun quantities due to unforeseen large voids or other unforeseen condition which exceed "Base" values.

The Unit Prices shall prevail for any changes in quantity of work for items authorized by written instruction of the Owner's Representative. All Unit Prices shall include labor, materials, mobilization, removals, overhead, profit, and other costs to cover finished work called for by the Owner's Representative.

Each bidder must verify the extent of work to their own satisfaction for "LUMP SUM" bid items, and submit a total bid sufficient to cover all the work outlined in the contract documents. "LUMP SUM" items shall include all labor, materials, storing, equipment, overhead, profit, insurance, tags, etc. necessary to cover the work described in the contract documents. Final payment to the contractor for "LUMP SUM" bid items shall be based on the contractor's bid price for completing the work outlined in the contract documents.

The bidder is familiar with the City of Minneapolis's Call for Bids, Instruction to Bidders, Specification Information, Bid Form, General Specifications, Standard Supplemental Specifications For The Construction of Public Infrastructure In The City of Minneapolis, and Drawings and understands the provisions thereof. The bidder is responsible for reviewing the site conditions (both surface and subsurface) and contract documents to establish a clear understanding of the work within the scope of this project. Bidders shall sign and submit the Agreement with the Bonds and other documents required by the Contract Documents within ten (10) days after the post marked date of the Award of Bid. The bidder shall not rely on verbal information obtained from employees of the owner or consultant. All applicable federal and State of Minnesota taxes shall be included in the Bid Prices.

Contractor shall list all subcontractors associated with the proposal on a separate sheet and include it with the proposal.

**LIQUIDATED
DAMAGES:**

All time limits stated in the Contract Documents are of the essence of the Agreement. Owner and Contractor recognize that time is of the essence with regard to completion of the Work, and that Owner will suffer financial loss if the Work is not substantially completed within the times specified in the Call for Bids, plus any extensions thereof allowed. Accordingly, Owner and Contractor agree that as liquidated damages for delay (but not as penalty), Contractor will be assessed the sum of \$1,000 for each calendar day that expires after the time specified for Substantial Completion of the (Base) Work. Assessed liquidated damages will be withheld from progress payments. After Substantial Completion, if Contractor shall neglect, refuse, or fail to complete the Work within the Contract Time specified or any proper extension thereof granted by Owner, Contractor shall pay compensation to Owner for those reasonable additional claims, costs, losses, and damages sustained by Owner for each calendar day that expires after the time specified for completion and readiness for final payment.

QUALIFICATION: Bidder shall provide completed qualification form below and submit with bid package. The City reserves the right to require additional information before approving the award of a contract. If the City is not satisfied with the sufficiency of the answers to the questionnaire, it may require additional information, including a financial statement, or it may determine that the Bidder is unqualified for the project.

1. Quality Assurance

Attach a statement of your company and personnel experience in the construction of work similar in scope to this project. Experience requirements shall include:

Section 02502 Contact Grouting

- 1.04A. Contractor: Company specializing in tunnel grouting rehabilitation with a minimum of 5 years' experience on similar type projects.
- 1.04B. Contact Grouting: Contractor: Project foreman shall have a minimum of 3 years' experience on similar type projects.

Section 02503 Crack Sealing and Infiltration Point Repair:

- 1.04A. Materials Manufacturer: Company specializing in manufacturing products specified in this Section with a minimum of 5 years' documented experience.
- 1.04B. Applicator: Company specializing in concrete repair with a minimum of 3 years' experience.

Section 02504 Backfill Grouting

- 1.04A. Contractor: Company specializing in tunnel grouting rehabilitation, including backfill mixes with a minimum of 5 years' experience on similar type projects.
- 1.04B. Backfill Grouting: Contractor-Foreman: Project foreman shall have a minimum of 3 years' experience on similar type projects.

Section 03930 Concrete Repair

- 1.04A. Materials Manufacturer: Company specializing in manufacturing products specified in this Section with a minimum of 5 years' documented experience.
- 1.04B. Applicator: Company specializing in concrete repair with a minimum of 3 years' experience and approved by materials manufacturer.

2. Bidder General Information

- a. Name of Bidder: _____
- b. Bidder's Address: _____
- c. When Organized: _____
- d. Where Incorporated: _____
- e. How many years has Bidder been engaged in the contracting business under the present name? _____
- f. General character of the work performed by your firm: _____
- g. Attach a list of the key contracts completed by your firm, including the kind of work and approximate cost.

3. Qualifying Project Experience Within Last 10 Years (make copies for additional examples):

- a. Project Name _____
- b. Brief Description of Work _____

- c. Amount (in Cubic Yards) of Contact Grouting in Project _____
- d. Amount (in Feet) of Crack Sealing/Repairs in Project _____
- e. Amount (in Cubic Yards) of Backfill Grouting in Project _____
- f. Amount (in Cubic Yards) of Concrete Repairs in Project _____
- g. Date of Contract _____
- h. Owner _____
- i. Owner's Representative/Phone _____
- j. Jobsite Foreman _____
- k. Original Contract Amount (your contract only) \$ _____
- l. Final Contract Amount \$ _____

(Include above information for other qualifying projects in the last ten (10) years that you want considered in evaluation in the same format provided and attach to your submittal.)

4. Qualifying Project Supervisor/Foreman Experience Within Last 10 Years (make copies for additional examples):

- a. Name of Project Supervisor/Foreman proposed for this project _____
- b. Project Name _____
- c. Brief Description of Work _____

- d. Amount (in Cubic Yards) of Contact Grouting in Project _____
- e. Amount (in Feet) of Crack Sealing/Repairs in Project _____
- f. Amount (in Cubic Yards) of Backfill Grouting in Project _____
- g. Amount (in Cubic Yards) of Concrete Repairs in Project _____
- h. Final Contract Amount \$ _____
- i. Original Contract Completion Date _____
- j. Was project completed by the above date? (yes / no, reason) _____

- k. Owner _____
- l. Owner Representative/Phone _____

(Include above information for other qualifying projects in last three (3) years managed by the above supervisor that you want considered in evaluation in the same format provided and attach to your submittal.)

UNITS LEGEND: LS = Lump Sum, SF = Square Feet, SY = Square Yard, EA = Each, T = Ton, LF = Lineal Feet, CY = Cubic Yards, AC = Acre (in place measure), HR = Hour.

Bidder has examined copies of all the Bidding Documents and of the following Addenda (receipt of all of which is hereby acknowledged):

No.	Date	Addendum Number	Signature
1.)	_____	_____	_____
2.)	_____	_____	_____
3.)	_____	_____	_____

BID ITEMS

Item	Description	Unit	Estimated Quantity	Unit Price	Extension
General					
A	Mobilization	LS	1		
B	Water Management	LS	1		
C	Erosion Control and Debris Removal	LS	1		
D	Traffic Control	LS	1		
St. Mary's Tunnel					
E	Contact Grout Port	EA	1275		
F	Backfill Grout Application Port	EA	22		
G	Invert Port	EA	15		
H	Liner Window	EA	1		
I	Backfill Grout (Base)	CY	500		
J	Backfill Grout (Contingency)	CY	250		
K	Contact Grout (Base)	CY	85		
L	Contact Grout (Contingency)	CY	40		
M	Repair Crack (Base)	LF	5100		

Item	Description	Unit	Estimated Quantity	Unit Price	Extension
N	Repair Crack (Contingency)	LF	2550		
O	Repair Cold Joint (Base)	LF	11500		
P	Repair Cold Joint (Contingency)	LF	0750		
Q	Point Repair (Infiltration)	EA	05		
R	Point Repair (Dry)	EA	0145		
S	Chemical Grout (Hydrophobic)	GAL	250		
T	Chemical Grout (Hydrophillic)	GAL	1015		
U	Surface Repair	SF	5200		
V	Inspection Hole	EA	85		
Hiawatha Tunnel					
EE	Contact Grout Port	EA	1400		
FF	Backfill Grout Application Port	EA	28		
GG	Invert Port	EA	14		
HH	Liner Window	EA	1		
II	Backfill Grout (Base)	CY	75		
JJ	Backfill Grout (Contingency)	CY	40		
KK	Contact Grout (Base)	CY	15		
LL	Contact Grout (Contingency)	CY	8		
MM	Repair Crack (Base)	LF	7800		
NN	Repair Crack (Contingency)	LF	3900		
OO	Repair Cold Joint (Base)	LF	1550		
PP	Repair Cold Joint (Contingency)	LF	775		
QQ	Point Repair (Infiltration)	EA	30		
RR	Point Repair (Dry)	EA	107		
SS	Chemical Grout – Hydrophobic	GAL	360		
TT	Chemical Grout – Hydrophillic	GAL	1440		

0400-7

Item	Description	Unit	Estimated Quantity	Unit Price	Extension
UU	Surface Repair	SF	3700		
VV	Inspection Hole	EA	80		
WW	Invert Repair < 4 Inches (nonreinforced)	SF	1600		
XX	Invert Repair (reinforced)	SF	3740		
	TOTAL OF EXTENSIONS (dollars)				

Total of Extensions (Total Bid): (\$ _____)

(_____)

_____) **Dollars**

(in words)

The undersigned agrees to commence work under this contract on or before the date to be specified in written "Notice to Proceed" of the Owner with the St. Mary's/Hiawatha Tunnel Rehabilitation project **substantially complete, on or before April 30, 2014 and final completion of the work on or before May 31, 2014.**

(see next page)

This proposal is submitted after careful study of the Drawings and Specifications and from personal knowledge of the conditions, both surface and subsoil, at the site, which knowledge was obtained from the undersigned's own sources of information and not from any employee of the Owner.

It is understood and agreed that proposal cannot be withdrawn within sixty (60) calendar days without the consent of the Owner and that said Owner has the right to reject any or all proposals.

Firm Name: _____

By: _____

Title: _____

Official Address: _____

Phone: _____

Federal Tax I.D. No.: _____

Date: _____

The following items are required to be submitted with the Bid:

- Completed Bid Form with Total Bid (shall include all applicable sales tax)
- 2% Bid Deposit
- Prevailing Wage Certificate
- SUBP Participation Form

END OF SECTION 0400

MINUTES
MANDATORY PREBID MEETING
ST. MARYS/HIAWATHA TUNNEL REHABILITATION – PHASE II
MINNEAPOLIS PROJECT NO. CSW1112STSMDSN2
CITY of MINNEAPOLIS
JULY 12, 2013 @ 8:00 AM

A. Introductions:

1. See attendees list (attached)
2. Civil Rights (MDCR): Handout provided at the meeting (attached)

B. Project Contacts:

1. Joe Klejwa, PE City of Minneapolis Project Manager, 612-673-5608 (Owners Representative)
2. Kevin Danen, PE City of Minneapolis, 612-673-5627 (Alternate Owner contact)
3. Sean Oberg, City of Minneapolis, 612-673-5629 (Alternate Owner Contact)
4. Mike Haggerty, PE, Barr Engineering, 952-832-2944 (Technical Questions)
5. Jim Herbert, PE, Barr Engineering, 952-832-2784 (Alternate Contact)

C. Project Description

1. General:
 - a. General project summary and sequence of work is described in Section 01110 of the Technical Specifications.
2. Access:
 - a. Shaft #5 is unlikely to be available for tunnel access.
 - b. Shaft #3 is anticipated to need permit for use from the Minneapolis Park Board
 - c. Shaft #4 has existing trees which if removed will require replacement with approved similar trees.
 - d. Shaft #2 is part of the existing apartment complex structure. It is important to be a good neighbor with regards to noise and parking.
3. Water Management/Erosion Control:
 - a. Discharge of sediment laden water to the Mississippi River is not acceptable.
 - b. Contractor must designate an erosion control supervisor to oversee erosion control measures.
 - c. Water control must be implemented in order to provide dry condition in the work area during active construction.
 - d. Erosion control and debris removal pay item assumes removal of existing sediment. Areas where sediment was observed during inspection are indicated on plans and is typically between 1 and 2 inches thick with the exception of Hiawatha between stations 15+00 and 27+70 where existing sediment are anticipated to be between 2 and 6 inches. However, debris removal and maintenance during construction will paid on a lump sum basis.
4. Crack/Cold Joint Repair:
 - a. Intent of crack repair is to eliminate/reduce seepage through the existing cracks.
 - b. Anticipate most chemical grouting to be conducted after grouting however some advance grouting may be necessary to provide control over cracks/cold joints which may pose risk for grout blow-out.
 - c. Hydrophobic grout is proposed for gushing leaks that need to be treated prior to grouting.

- d. Hydrophilic grout is proposed for cracks with no or low flow leaks.
 - e. Recommend consideration for chemical grout representative to visit the site upon start of construction and providing manufacturers input on grout application.
 - f. Cold Joint Repair includes drilling some cores through the liner to determine orientation of cold joint to better define chemical grout injection pattern to seal the joint.
5. Grouting
- a. During grouting operations, backfill grouting will generally be performed first followed by contact grouting.
 - b. All grouting assumes crown and invert grouting with the exception designated sections of St. Mary's tunnel, indicated on plans, where crown grouting was performed. Along this segment of tunnel invert grouting will only be required.
 - c. An under-drain exists along all parts of the tunnel and are anticipated to provide some dewatering effect. Upon invert grouting the under-drain is anticipated to be filled with grout which may result in an increased water level and pressures around the tunnel structure.
6. Surface Repair:
- a. Surface repair can be conducted using low pressure spray or hand trowel applications.
7. Invert Repair:
- a. Invert must be prepared and dry prior to placement of concrete. See Section 03920 of the Technical Specifications.
 - b. Survey (3-D Scan) of the invert will be conducted by Owner once sediment and debris have been removed and the invert has been prepped, but prior to any placement of concrete. Contractor shall be required to coordinate timing/scheduling of the survey with the Owner and assist with access, as necessary. Additional details regarding the invert survey is provided in Section 03920, Paragraph 3.02B of the Technical Specifications.

D. Anticipated Project Schedule

Bid Opening	July 24, 2013 @ 10:00 AM
Anticipated Minneapolis Approval.....	mid-September 2013
Anticipated Notice to Proceed	November 1, 2013
Substantial Completion.....	April 30, 2014
Final Completion.....	May 31, 2014

E. Bid Form:

- 1. Completed Bid Form including Qualification Form
- 2. 2% Bid Deposit
- 3. Prevailing Wage Certificate
- 4. SUBP Participation Form

F. Payment: See Section 01330 of the Technical Specifications.

G. Insurance: See Paragraph 6 of City General Requirements

H. Contractor Design (grout mix submittals):

1. QA/QC is required for both backfill and contact grouting – See Section 02502, Paragraph 3.01J and Section 02504, Paragraph 3.01J of Technical Specifications. Mix design required prior to use onsite.
2. Any cost for additional cylinders for strength testing beyond the minimum required in specifications is to be paid for by the Contractor.

I. Permits: Contractor to obtain required permits. Permits may include but are not limited to the following:

1. Traffic – city of Minneapolis
2. Work After Hours – City of Minneapolis - applied for with city. See Section 01110, Paragraph 1.06 B of Technical Specifications.
3. Minneapolis Park Board - west river road land use near Shaft 3
4. ND PES Construction Permit – permit not anticipated but enforcement of discharge, as required

J. Safety: Contractor controls site and responsible for site safety and confined space entry.

K. Drawings: See Construction Drawings

1. C6, C7 provide an general overview of access shafts
2. C8 provides dimensions for some of the existing vertical shafts, Contractor to confirm dimensions
3. C9 provides general cross sections of the tunnel system, Contractor to confirm dimensions
4. C10-C31 provides plan views of existing conditions and proposed repairs for the entire tunnel system
5. C32 provides details for liner window and invert repair
6. C33 provides backfill grout details
7. C34, C35 provides contact grout details
8. C36 provides miscellaneous details
9. C37 provides erosion control and water management information
10. C38, C39 provide traffic control signage details

L. Questions/Other Issues

1. Q: Will an engineer's estimate be made available to the contractors? A: Barr estimates the project to be in the range of \$4,500,000-\$6,000,000.

M. Site visit:

1. Access at Shaft #2 in the St. Mary's Tunnel
2. Walked upstream to Shaft #6 in the Hiawatha Tunnel
3. Viewed large void behind liner near station 15+00 in Hiawatha tunnel
4. Walked downstream to Station 22+00 in St. Mary's Tunnel

AGENDA
MANDATORY PREBID MEETING
ST. MARYS/HIAWATHA TUNNEL REHABILITATION – PHASE II
CITY of MINNEAPOLIS
JULY 12, 2013 @ 8:00 AM

Name	Representing	Telephone/E-mail
Jim Herbert	Barr Engineering Co.	952-832-2784 jherbert@barr.com
Mike Haggerty	Barr Engineering Co.	952-832-2944 mhaggerty@barr.com
Joe Klejwa	City of Minneapolis	612.673.5608 Joe.klejwa@ci.minneapolis.mn.us
Sean Oberg	City of Minneapolis	612.673.5632 Sean.Oberg@ci.minneapolis.mn.us
Joe Welna	Barr Engineering Co.	952.832.2766 jwelna@barr.com
Kyle Lametti	Lametti and Sons	651-426-1380 kylel@lametti.com
Robb Johnson	ECI	651.298.9111 robb@eandci.co
Brad Toeggle	ECI	651.298.9111
Nap Scott	PCI Roads	763.497.6100 nscott@pciroads.com
Jason Durham	Minger Construction	612.919.7250 jasond@mingconst.com
Nate Edu	Minger Construction	952.368.9200 nathane@mingercost.com