

Contract Routing Form

ROUTING: Routine

printed on: 11/30/2017

Contract between: S & L Underground Inc.
 and Dept. or Division: Engineering Division
 Name/Phone Number:

Project: North Blair Street Reconstruction Assessment District - 2017

Contract No.: 7976
 Enactment No.: RES-17-00887
 Dollar Amount: 1,378,737.54

File No.: 49271
 Enactment Date: 11/27/2017

(Please DATE before routing)

Signatures Required	Date Received	Date Signed
City Clerk	11/30/17	11/30/17
Director of Civil Rights	12.1.17	12.8.17 FND
Risk Manager	12-8-17	12-8-17 mcl
Finance Director	12-8-17	12/8/17 mcl
City Attorney	12-11-17	12-12-17
Mayor	12.12.17	12.14.17

Please return signed Contracts to the City Clerk's Office
 Room 103, City-County Building for filing.

Original + 2 Copies

11/30/2017 11:57:16 enknb - G Yoerger- 261-9177

Dis Rights: OK / N/A / Problem - Hold
 Prev Wage: AA / Agency / No
 Contract Value: 1,378,737.⁵⁴
 AA Plan: Exempt
 Amendment / Addendum # N/A
 Type: POS / Dvlp / Sbdv / Gov't /
 Grant / PW / Goal / Loan / Agrmt



Legislation Details (With Text)

File #: 49271 **Version:** 1 **Name:** Awarding Public Works Contract No. 7976, North Blair Street Reconstruction Assessment District - 2017.

Type: Resolution **Status:** Passed

File created: 10/23/2017 **In control:** BOARD OF PUBLIC WORKS

On agenda: 11/21/2017 **Final action:** 11/21/2017

Enactment date: 11/27/2017 **Enactment #:** RES-17-00887

Title: Awarding Public Works Contract No. 7976, North Blair Street Reconstruction Assessment District - 2017.

Sponsors: BOARD OF PUBLIC WORKS

Indexes:

Code sections:

Attachments: 1. Contract 7976.pdf

Date	Ver.	Action By	Action	Result
11/21/2017	1	COMMON COUNCIL	Adopt Under Suspension of Rules 2.04, 2.05, 2.24, and 2.25	Pass
11/1/2017	1	BOARD OF PUBLIC WORKS	RECOMMEND TO COUNCIL TO ADOPT UNDER SUSPENSION OF RULES 2.04, 2.05, 2.24, & 2.25 - REPORT OF OFFICER	Pass
10/23/2017	1	Engineering Division	Refer	

The proposed resolution awards the contract for North Blair Street at a total estimated cost of \$1,600,000. The adopted 2017 budget for Engineering-Major Streets contains the project's budget authority within the Reconstruction Streets capital program (MUNIS 11470), which was added to the program budget in 2017 via adoption of resolution #46519. Estimated project costs will be assigned to associated agencies as follows:

- Major Streets - \$940,000
- Sewer Utility - \$360,000
- Water Utility - \$300,000

Awarding Public Works Contract No. 7976, North Blair Street Reconstruction Assessment District - 2017. BE IT RESOLVED, that the following low bids for miscellaneous improvements be accepted and that the Mayor and City Clerk be and are hereby authorized and directed to enter into a contract with the low bidders contained herein, subject to the Contractor's compliance with Section 39.02 of the Madison General Ordinances concerning compliance with the Affirmative Action provisions **and subject to the Contractor's compliance with Section 33.07 of the Madison General Ordinances regarding Best Value Contracting:**

BE IT FURTHER RESOLVED, that the funds be encumbered to cover the cost of the projects contained herein.

See attached document (Contract No. 7976) for itemization of bids.

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File #:	49271	Version: 1	Name:	Awarding Public Works Contract No. 7976, North Blair Street Reconstruction Assessment District - 2017.
Type:	Resolution		Status:	Passed
File created:	10/23/2017		In control:	<u>BOARD OF PUBLIC WORKS</u>
On agenda:	11/21/2017		Final action:	11/21/2017
Enactment date:	11/27/2017		Enactment #:	RES-17-00887
Title:	Awarding Public Works Contract No. 7976, North Blair Street Reconstruction Assessment District - 2017.			
Sponsors:	<u>BOARD OF PUBLIC WORKS</u>			
Attachments:	1. <u>Contract 7976.pdf</u>			

[History \(3\)](#) [Text](#)

Fiscal Note

The proposed resolution awards the contract for North Blair Street at a total estimated cost of \$1,600,000. The adopted 2017 budget for Engineering-Major Streets contains the project's budget authority within the Reconstruction Streets capital program (MUNIS 11470), which was added to the program budget in 2017 via adoption of resolution #46519. Estimated project costs will be assigned to associated agencies as follows:

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Title

Awarding Public Works Contract No. 7976, North Blair Street Reconstruction Assessment District - 2017.

Body

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SDR

BE IT FURTHER RESOLVED, that the funds be encumbered to cover the cost of the projects contained herein.

See attached document (Contract No. 7976) for itemization of bids.



PROJECT

CONTRACTOR

AMOUNT OF BID

CONTRACT NO. 7976
NORTH BLAIR STREET RECONSTRUCTION ASSESSMENT DISTRICT - 2017

S&L UNDERGROUND, INC.

\$1,378,737.54

Acct. No. 11470-402-170:54410(91350)	\$633,665.00
Contingency 8%±	<u>50,695.00</u>
Sub Total	\$684,360.00
Acct. No. 11470-402-174:54445(91345)	\$146,978.14
Contingency 8%±	<u>11,761.86</u>
Sub Total	\$158,740.00
Acct. No. 11470-83-173:54445(91345)	\$417,405.18
Contingency 8%±	<u>33,394.82</u>
Sub Total	\$450,800.00
Acct. No. 11470-402-176:54430(96882)	\$2,655.92
Contingency 8%±	<u>214.08</u>
Sub Total	\$2,870.00
Acct. No. 11470-402-177:54435(91232)	\$72,324.30
Contingency 8%±	<u>5,785.70</u>
Sub Total	\$78,110.00
Acct. No. 11470-86-179:54445(91360)	\$105,709.00
Contingency 8%±	<u>8,461.00</u>
Sub Total	\$114,170.00
 GRAND TOTAL	 <u>\$1,489,050.00</u>

Jurisdiction: Wisconsin

Demographics

Company Name: Granite Re, Inc.
Short Name:
SBS Company Number: 54219575
NAIC CoCode: 26310
FEIN: 73-1282413
Domicile Type: Foreign
State of Domicile: Oklahoma
Country of Domicile: United States
NAIC Group Number: 7 - FEDERATED MUT GRP
Organization Type: Stock
Date of Incorporation: 11/13/1986
Merger Flag: No

Address

Business Address
 Not Available
 Not Available, UN 99999
 United States

Mailing Address
 14001 Quailbrook Dr
 Oklahoma City, OK 73134
 United States

Statutory Home Office Address
 14001 Quailbrook Dr
 Oklahoma City, OK 73134
 United States

Main Administrative Office Address
 14001 Quailbrook Dr
 Oklahoma City, OK 73134
 United States

Phone, E-mail, Website

Phone

Type	Number
Mailing Primary Phone	(405) 752-2600
Mailing Fax Phone	(405) 749-6800
Mailing Toll Free Phone	(800) 440-5953
Statutory Home Office Primary Phone	(405) 752-2600
Statutory Home Office Fax Phone	(405) 749-6800
Statutory Home Office Toll Free Phone	(800) 440-5953
Main Admin Office Primary Phone	(405) 752-2600
Main Admin Office Fax Phone	(405) 749-6800

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Company Type

Company Type: Property and Casualty
Status: Active
Status Reason:
Status Date: 11/14/2001
Effective Date: 11/14/2001
Legacy State ID: 111641
Issue Date: 11/14/2001
Approval Date:
File Date:
Articles of Incorporation Received: No
Article No:
COA Number:

Appointments

Licensee Name	License Number	NPN	License Type	Line of Authority	Appointment Date	Effective Date	Expiration Date
CONNIE SMITH	16492915	16492915	Intermediary (Agent) Individual	Casualty	01/31/2017	01/31/2017	02/28/2018
CONNIE SMITH	16492915	16492915	Intermediary (Agent) Individual	Property	01/31/2017	01/31/2017	02/28/2018

Line Of Business



Line of Business	Citation Type	Effective Date
Surety Insurance	Surety Insurance	11/14/2001

Contact



Filter

Contact Type	Preferred Name	Name	E-mail	Phone	Address
Registered Agent for Service of Process		*			Other CT CORPORATION SYSTEM 301 S BEDFORD ST STE 1 MADISON, WI 53703 United States

Company Merger

No results found.

Name Change History



Filter

Previous Name	New Name	Effective Date
	Granite Re, Inc.	

\$1,378,737.54
FILE

BID OF S&L UNDERGROUND, INC.

2017

PROPOSAL, CONTRACT, BOND AND SPECIFICATIONS

FOR

NORTH BLAIR STREET RECONSTRUCTION ASSESSMENT DISTRICT - 2017

CONTRACT NO. 7976

MUNIS NO. 11470

IN

MADISON, DANE COUNTY, WISCONSIN

AWARDED BY THE COMMON COUNCIL
MADISON, WISCONSIN ON NOVEMBER 21, 2017

CITY ENGINEERING DIVISION
1600 EMIL STREET
MADISON, WISCONSIN 53713

<https://bidexpress.com/login>

**NORTH BLAIR STREET RECONSTRUCTION ASSESSMENT DISTRICT - 2017
CONTRACT NO. 7976**

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This Proposal, and Agreement have
been prepared by:

**CITY ENGINEERING DIVISION
CITY OF MADISON
MADISON, DANE COUNTY, WISCONSIN**



Robert F. Phillips, P.E., City Engineer

RFP: gy

SECTION A: ADVERTISEMENT FOR BIDS AND INSTRUCTIONS TO BIDDERS

REQUEST FOR BID FOR PUBLIC WORKS CONSTRUCTION CITY OF MADISON, WISCONSIN

A BEST VALUE CONTRACTING MUNICIPALITY

PROJECT NAME:	NORTH BLAIR STREET RECONSTRUCTION ASSESSMENT DISTRICT - 2017
CONTRACT NO.:	7976
SBE GOAL	7%
BID BOND	5%
SBE PRE BID MEETING (1:00 P.M.)	OCTOBER 13, 2017
PREQUALIFICATION APPLICATION DUE (1:00 P.M.)	OCTOBER 13, 2017
BID SUBMISSION (1:00 P.M.)	OCTOBER 20, 2017
BID OPEN (1:30 P.M.)	OCTOBER 20, 2017
PUBLISHED IN WSJ	OCTOBER 6 & 13, 2017

SBE PRE BID MEETING: Representatives of the Affirmative Action Department will be present to discuss the Small Business Enterprise requirements at 1600 Emil Street, Madison Wisconsin.

PREQUALIFICATION APPLICATION: Forms are available on our website, www.cityofmadison.com/business/pw/forms.cfm. If not currently prequalified in the categories listed in Section A, an amendment to your Prequalification will need to be submitted prior to the same due date. Postmark is not applicable.

BIDS TO BE SUBMITTED by hand to 1600 EMIL ST., MADISON, WI 53713 or online at www.bidexpress.com.

THE BID OPENING is at 1600 EMIL ST., MADISON, WI 53713.

STANDARD SPECIFICATIONS

The City of Madison's Standard Specifications for Public Works Construction - 2017 Edition, as supplemented and amended from time to time, forms a part of these contract documents as if attached hereto.

These standard specifications are available on the City of Madison Public Works website, www.cityofmadison.com/Business/PW/specs.cfm.

The Contractor shall review these Specifications prior to preparation of proposals for the work to be done under this contract, with specific attention to Article 102, "BIDDING REQUIREMENTS AND CONDITIONS" and Article 103, "AWARD AND EXECUTION OF THE CONTRACT." For the convenience of the bidder, below are highlights of three subsections of the specifications.

SECTION 102.1: PRE-QUALIFICATION OF BIDDERS

In accordance with Wisconsin State Statutes 66.0901 (2) and (3), all bidders must submit to the Board of Public Works proof of responsibility on forms furnished by the City. The City requires that all bidders be qualified on a biennial basis.

Bidders must present satisfactory evidence that they have been regularly engaged in the type of work specified herein and they are fully prepared with necessary capital, materials, machinery and supervisory personnel to conduct the work to be contracted for to the satisfaction of the City. All bidders must be pre-qualified by the Board of Public Works for the type of construction on which they are bidding prior to the opening of the bid.

In accordance with Section 39.02(9)(a)l. of the General Ordinances, all bidders shall submit in writing to the Affirmative Action Division Manager of the City of Madison, a Certificate of Compliance or an Affirmative Action Plan at the same time or prior to the submission of the proof of responsibility forms.

The bidder shall be disqualified if the bidder fails to or refuses to, prior to opening of the bid, submit a Certificate of compliance, Affirmative Action Plan or Affirmative Action Data Update, as applicable, as defined by Section 39.02 of the General Ordinances (entitled Affirmative Action) and as required by Section 102.11 of the Standard Specifications.

SECTION 102.4 PROPOSAL

No bid will be accepted that does not contain an adequate or reasonable price for each and every item named in the Schedule of Unit Prices.

A lump sum bid for the work in accordance with the plans and specifications is required. The lump sum bid must be the same as the total amounts bid for the various items and it shall be inserted in the space provided.

All papers bound with or attached to the proposal form are considered a part thereof and must not be detached or altered when the proposal is submitted. The plans, specifications and other documents designated in the proposal form will be considered a part of the proposal whether attached or not.

A proposal submitted by an individual shall be signed by the bidder or by a duly authorized agent. A proposal submitted by a partnership shall be signed by a member/partner or by a duly authorized agent thereof. A proposal submitted by a corporation shall be signed by an authorized officer or duly authorized registered agent of such corporation, and the proposal shall show the name of the State under the laws of which such corporation was chartered. The required signatures shall in all cases appear in the space provided thereof on the proposal.

Each proposal shall be placed, together with the proposal guaranty, in a sealed envelope, so marked as to indicate name of project, the contract number or option to which it applies, and the name and address of the Contractor or submitted electronically through Bid Express (www.bidexpress.com). Proposals will be accepted at the location, the time and the date designated in the advertisement. Proposals received after the time and date designated will be returned to the bidder unopened.

SECTION 102.5: BID DEPOSIT (PROPOSAL GUARANTY)

All bids, sealed or electronic, must be accompanied with a Bid Bond equal to at least 5% of the bid or a Certificate of Annual/Biennial Bid Bond or certified check, payable to the City Treasurer. Bid deposit of the successful bidders shall be returned within forty-eight (48) hours following execution of the contract and bond as required.

MINOR DISCREPENCIES

Bidder is responsible for submitting all forms necessary for the City to determine compliance with State and City bidding requirements. Notwithstanding any language to the contrary contained herein, the City may exercise its discretion to allow bidders to correct or supplement submissions after bid opening, if the minor discrepancy, bid irregularity or omission is insignificant and not one related to price, quality, quantity, time of completion or performance of the contract.

Bidders for this Contract(s) must be Pre-Qualified for at least one of the following type(s) of construction denoted by an

Building Demolition

- 101 Asbestos Removal
 120 House Mover

- 110 Building Demolition

Street, Utility and Site Construction

- 201 Asphalt Paving
 205 Blasting
 210 Boring/Pipe Jacking
 215 Concrete Paving
 220 Con. Sidewalk/Curb & Gutter/Misc. Flat Work
 221 Concrete Bases and Other Concrete Work
 222 Concrete Removal
 225 Dredging
 230 Fencing
 235 Fiber Optic Cable/Conduit Installation
 240 Grading and Earthwork
 241 Horizontal Saw Cutting of Sidewalk
 242 Infrared Seamless Patching
 245 Landscaping, Maintenance
 246 Ecological Restoration
 250 Landscaping, Site and Street
 251 Parking Ramp Maintenance
 252 Pavement Marking
 255 Pavement Sealcoating and Crack Sealing
 260 Petroleum Above/Below Ground Storage Tank Removal/Installation
 262 Playground Installer

- 265 Retaining Walls, Precast Modular Units
 270 Retaining Walls, Reinforced Concrete
 275 Sanitary, Storm Sewer and Water Main Construction
 276 Sawcutting
 280 Sewer Lateral Drain Cleaning/Internal TV Insp.
 285 Sewer Lining
 290 Sewer Pipe Bursting
 295 Soil Borings
 300 Soil Nailing
 305 Storm & Sanitary Sewer Laterals & Water Svc.
 310 Street Construction
 315 Street Lighting
 318 Tennis Court Resurfacing
 320 Traffic Signals
 325 Traffic Signing & Marking
 332 Tree pruning/removal
 333 Tree, pesticide treatment of
 335 Trucking
 340 Utility Transmission Lines including Natural Gas, Electrical & Communications
 399 Other _____

Bridge Construction

- 501 Bridge Construction and/or Repair

Building Construction

- 401 Floor Covering (including carpet, ceramic tile installation, rubber, VCT)
 402 Building Automation Systems
 403 Concrete
 404 Doors and Windows
 405 Electrical - Power, Lighting & Communications
 410 Elevator - Lifts
 412 Fire Suppression
 413 Furnishings - Furniture and Window Treatments
 415 General Building Construction, Equal or Less than \$250,000
 420 General Building Construction, \$250,000 to \$1,500,000
 425 General Building Construction, Over \$1,500,000
 428 Glass and/or Glazing
 429 Hazardous Material Removal
 430 Heating, Ventilating and Air Conditioning (HVAC)
 433 Insulation - Thermal
 435 Masonry/Tuck pointing

- 437 Metals
 440 Painting and Wallcovering
 445 Plumbing
 450 Pump Repair
 455 Pump Systems
 460 Roofing and Moisture Protection
 464 Tower Crane Operator
 461 Solar Photovoltaic/Hot Water Systems
 465 Soil/Groundwater Remediation
 466 Warning Sirens
 470 Water Supply Elevated Tanks
 475 Water Supply Wells
 480 Wood, Plastics & Composites - Structural & Architectural
 499 Other _____

State of Wisconsin Certifications

- 1 Class 5 Blaster - Blasting Operations and Activities 2500 feet and closer to inhabited buildings for quarries, open pits and road cuts.
 2 Class 6 Blaster - Blasting Operations and Activities 2500 feet and closer to inhabited buildings for trenches, site excavations, basements, underwater demolition, underground excavations, or structures 15 feet or less in height.
 3 Class 7 Blaster - Blasting Operations and Activities for structures greater than 15' in height, bridges, towers, and any of the objects or purposes listed as "Class 5 Blaster or Class 6 Blaster".
 4 Petroleum Above/Below Ground Storage Tank Removal and Installation (Attach copies of State Certifications.)
 5 Hazardous Material Removal (Contractor to be certified for asbestos and lead abatement per the Wisconsin Department of Health Services, Asbestos and Lead Section (A&LS).) See the following link for application: www.dhs.wisconsin.gov/Asbestos/Cert. State of Wisconsin Performance of Asbestos Abatement Certificate must be attached.
 6 Certification number as a Certified Arborist or Certified Tree Worker as administered by the International Society of Arboriculture
 7 Pesticide application (Certification for Commercial Applicator For Hire with the certification in the category of turf and landscape (3.0) and possess a current license issued by the DATCP)
 8 State of Wisconsin Master Plumbers License.

SECTION B: PROPOSAL

Please refer to the
Bid Express Website
at <https://bidexpress.com>
look up contract number
and go to
Section B: Proposal Page

You can access all City of Madison bid solicitations for FREE at www.bidexpress.com

Click on the "Register for Free" button and follow the instructions to register your company and yourself. You will be asked for a payment subscription preference, since you may wish to bid online someday. Simply choose the method to pay on a 'per bid' basis. This requires no payment until / unless you actually bid online. You can also choose the monthly subscription plan at this time. You will, however, be asked to provide payment information. Remember, you can change your preference at anytime. You will then be able to complete your free registration and have full access to the site. Your free access does not require completion of the 'Digital ID' process, so you will have instant access for viewing and downloading. To be prepared in case you ever do wish to bid online, you may wish to establish your digital ID also, since you cannot bid without a Digital ID.

If you have any problems with the free registration process, you can call the bidexpress help team, toll free at 1-888-352-2439 (option 1, option1).

SECTION C: SMALL BUSINESS ENTERPRISE

Instructions to Bidders City of Madison SBE Program Information

2 Small Business Enterprise (SBE) Program Information

2.1 Policy and Goal

The City of Madison reaffirms its policy of nondiscrimination in the conduct of City business by maintaining a procurement process which remains open to all who have the potential and ability to sell goods and services to the City. It is the policy of the City of Madison to allow Small Business Enterprises (SBE) maximum feasible opportunity to participate in City of Madison contracting. The bidder acknowledges that its bid has been submitted in accordance with the SBE program and is for the public's protection and welfare.

Please refer to the "ADVERTISEMENT FOR BIDS" for the goal for the utilization of SBEs on this project. SBEs may participate as subcontractors, vendors and/or suppliers, which provide a commercially useful function. The dollar value for SBE suppliers or 'materials only' vendors shall be discounted to 60% for purposes of meeting SBE goals.

A bidder which achieves or exceeds the SBE goal will be in compliance with the SBE requirements of this project. In the event that the bidder is unable to achieve the SBE goal, the bidder must demonstrate that a good faith effort to do so was made. Failure to either achieve the goal or demonstrate a good faith effort to do so will be grounds for the bidder being deemed a non-responsible contractor ineligible for award of this contract.

A bidder may count towards its attainment of the SBE goal only those expenditures to SBEs that perform a commercially useful function. For purposes of evaluating a bidder's responsiveness to the attainment of the SBE goal, the contract participation by an SBE is based on the percentage of the total base bid proposed by the Contractor. The total base bid price is inclusive of all addenda.

Work performed by an SBE firm in a particular transaction can be counted toward the goal only if it involves a commercially useful function. That is, in light of industry practices and other relevant considerations, does the SBE firm have a necessary and useful role in the transaction, of a kind for which there is a market outside the context of the SBE Program, or is the firm's role a superfluous step added in an attempt to obtain credit towards goals? If, in the judgment of the Affirmative Action Division, the SBE firm will not perform a commercially useful function in the transaction, no credit towards goals will be awarded.

The question of whether a firm is performing a commercially useful function is completely separate from the question of whether the firm is an eligible SBE. A firm is eligible if it meets the definitional criteria and ownership and control requirements, as set forth in the City of Madison's SBE Program.

If the City of Madison determines that the SBE firm is performing a commercially useful function, then the City of Madison must then decide what that function is. If the commercially useful function is that of an SBE vendor / supplier that regularly transacts business with the respective product, then the City of Madison will count 60% of the value of the product supplied toward SBE goals.

To be counted, the SBE vendor / supplier must be engaged in selling the product in question to the public. This is important in distinguishing an SBE vendor / supplier, which has a regular trade with a variety of customers, from a firm which performs supplier-like functions on an ad hoc basis or for only one or two contractors with whom it has a special relationship.

A supplier of bulk goods may qualify as an eligible SBE vendor / supplier if it either maintains an inventory or owns or operates distribution equipment. With respect to the distribution equipment; e.g., a fleet of trucks, the term "operates" is intended to cover a situation in which the supplier leases the equipment on a regular basis for its entire business. It is not intended to cover a situation in which the firm simply provides drivers for trucks owned or leased by another party; e.g., a prime contractor, or leases such a party's trucks on an ad hoc basis for a specific job.

If the commercially useful function being performed is not that of a qualified SBE vendor / supplier, but rather that of delivery of products, obtaining bonding or insurance, procurement of personnel, acting as a broker or manufacturer's representative in the procurement of supplies, facilities, or materials, etc., only the fees or commissions will apply towards the goal.

For example, a business that simply transfers title of a product from manufacturer to ultimate purchaser; e. g., a sales representative who re-invoices a steel product from the steel company to the Contractor, or a firm that puts a product into a container for delivery would not be considered a qualified SBE vendor / supplier. The Contractor would not receive credit based on a percentage of the cost of the product for working with such firms.

Concerning the use of services that help the Contractor obtain needed supplies, personnel, materials or equipment to perform a contract: only the fee received by the service provider will be counted toward the goal. For example, use of a SBE sales representative or distributor for a steel company, if performing a commercially useful function at all, would entitle the Contractor receiving the steel to count only the fee paid to the representative or distributor toward the goal. This provision would also govern fees for professional and other services obtained expressly and solely to perform work relating to a specific contract.

Concerning transportation or delivery services: if an SBE trucking company picks up a product from a manufacturer or a qualified vendor / supplier and delivers the product to the Contractor, the commercially useful function it is performing is not that of a supplier, but simply that of a transporter of goods. Unless the trucking company is itself the manufacturer or a qualified vendor / supplier in the product, credit cannot be given based on a percentage of the cost of the product. Rather, credit would be allowed for the cost of the transportation service.

The City is aware that the rule's language does not explicitly mention every kind of business that may contribute work on this project. In administering these programs, the City would, on a case-by-case basis, determine the appropriate counting formula to apply in a particular situation.

2.2 Contract Compliance

Questions concerning the SBE Program shall be directed to the Contract Compliance Officer of the City of Madison Department of Civil Rights, Affirmative Action Division, 210 Martin Luther King, Jr. Blvd., Room 523, Madison, WI 53703; telephone (608) 266-4910.

2.3 Certification of SBE by City of Madison

The Affirmative Action Division maintains a directory of SBEs which are currently certified as such by the City of Madison. Contact the Contract Compliance Officer as indicated in Section 2.2 to receive a copy of the SBE Directory or you may access the SBE Directory online at www.cityofmadison.com/dcr/aaTBDDir.cfm.

All contractors, subcontractors, vendors and suppliers seeking SBE status must complete and submit the **Targeted Business Certification Application** to the City of Madison Affirmative Action Division by the time and date established for receipt of bids. A copy of the Targeted Business Certification Application is available by contacting the Contract Compliance Officer at the address and telephone indicated in Section 2.2 or you may access the Targeted Business Certification Application online at www.cityofmadison.com/dcr/aaTBDDir.cfm. Submittal of the Targeted Business Certification Application by the time specified does not guarantee that the applicant will be certified as a SBE eligible to be utilized towards meeting the SBE goal for this project.

2.4 Small Business Enterprise Compliance Report

2.4.1 Good Faith Efforts

Bidders shall take all necessary affirmative steps to assure that SBEs are utilized when possible and that the established SBE goal for this project is achieved. A contractor who self performs a portion of the work, and is pre-qualified to perform that category of work, may subcontract that portion of the work, but shall not be required to do so. When a bidder is unable to achieve the established SBE goal, the bidder must demonstrate that a good faith effort to do so was made. Such a good faith effort should include the following:

- 2.4.1.1 Attendance at the pre-bid meeting.
- 2.4.1.2 Using the City of Madison's directory of certified SBEs to identify SBEs from which to solicit bids.
- 2.4.1.3 Assuring that SBEs are solicited whenever they are potential sources.
- 2.4.1.4 Referring prospective SBEs to the City of Madison Affirmative Action Division for certification.
- 2.4.1.5 Dividing total project requirements into smaller tasks and/or quantities, where economically feasible, to permit maximum feasible SBE participation.
- 2.4.1.6 Establishing delivery schedules, where requirements permit, which will encourage participation by SBEs.
- 2.4.1.7 Providing SBEs with specific information regarding the work to be performed.
- 2.4.1.8 Contacting SBEs in advance of the deadline to allow such businesses sufficient time to prepare a bid.
- 2.4.1.9 Utilizing the bid of a qualified and competent SBE when the bid of such a business is deemed reasonable (i.e. 5% above the lowest bidder), although not necessarily low.
- 2.4.1.10 Contacting SBEs which submit a bid, to inquire about the details of the bid and confirm that the scope of the work was interpreted as intended.
- 2.4.1.11 Completion of Cover Page (page C-6), Summary Sheet (page C-7) and SBE Contact Reports (pages C-8 and C9) if applicable.

2.4.2 Reporting SBE Utilization and Good Faith Efforts

The Small Business Enterprise Compliance Report is to be submitted by the bidder with the bid: This report is due by the specified bid closing time and date. Bids submitted without a completed SBE Compliance Report as outlined below may be deemed non-responsible and the bidder ineligible for award of this contract. Notwithstanding any language to the contrary contained herein, the City may exercise its discretion to allow bidders to correct or supplement submissions after bid opening, if the minor discrepancy, bid irregularity or omission is insignificant and not one related to price, quality, quantity, time of completion, performance of the contract, or percentage of SBE utilization.

2.4.2.1 If the Bidder meets or exceeds the goal established for SBE utilization, the Small Business Enterprise Compliance Report shall consist of the following:

2.4.2.1.1 **Cover Page**, Page C-6; and

2.4.2.1.2 **Summary Sheet**, C-7.

2.4.2.2 If the bidder does not meet the goal established for SBE utilization, the Small Business Enterprise Compliance Report shall consist of the following:

2.4.2.2.1 **Cover Page**, Page C-6;

2.4.2.2.2 **Summary Sheet**, C-7; and

2.4.2.2.3 **SBE Contact Report**, C-8 and C-9. (A separate Contact Report must be completed for each applicable SBE which is not utilized.)

2.5 Appeal Procedure

A bidder which does not achieve the established goal and is found non-responsible for failure to demonstrate a good faith effort to achieve such goal and subsequently denied eligibility for award of contract may appeal that decision to the Small Business Enterprises Appeals Committee. All appeals shall be made in writing, and shall be delivered to and received by the City Engineer no later than 4:30 PM on the third business day following the bidder's receipt of the written notification of ineligibility by the Affirmative Action Division Manager. Postmark not acceptable. The notice of appeal shall state the basis for the appeal of the decision of the Affirmative Action Division Manager. The Appeal shall take place in accordance with Madison General Ordinance 33.54.

2.6 SBE Requirements After Award of the Contract

The successful bidder shall identify SBE subcontractors, suppliers and vendors on the subcontractor list in accordance with the specifications. The Contractor shall submit a detailed explanation of any variances between the listing of SBE subcontractors, vendors and/or suppliers on the subcontractor list and the Contractor's SBE Compliance Report for SBE participation.

No change in SBE subcontractors, vendors and/or suppliers from those SBEs indicated in the SBE Compliance Report will be allowed without prior approval from the Engineer and the Affirmative Action Division. The contractor shall submit in writing to the City of Madison Affirmative Action Division a request to change any SBE citing specific reasons which necessitate such a change. The Affirmative Action Division will use a general test of reasonableness in approving or rejecting the contractor's request for change. If the request is approved, the Contractor will make every effort to utilize another SBE if available.

The City will monitor the project to ensure that the actual percentage commitment to SBE firms is carried out.

2.7 SBE Definition and Eligibility Guidelines

A Small Business Enterprise is a business concern awarded certification by the City of Madison. For the purposes of this program a Small Business Enterprise is defined as:

- A. An independent business operated under a single management. The business may not be a subsidiary of any other business and the stock or ownership may not be held by any individual or any business operating in the same or a similar field. In determining whether an entity qualifies as a SBE, the City shall consider all factors relevant to being an independent business including, but not limited to, the date the business was established, adequacy of its resources for the work in which it proposes to involve itself, the degree to which financial, equipment leasing and other relationships exist with other ineligible firms in the same or similar lines of work. SBE owner(s) shall enjoy the customary incidents of ownership and shall share in the risks and profits commensurate with their enjoyment interests, as demonstrated by an examination of the substance rather than form or arrangements that may be reflected in its ownership documents.
- B. A business that has averaged no more than \$4.0 million in annual gross receipts over the prior three year period and the principal owner(s) do not have a personal net worth in excess of \$1.32 million.

Firm and/or individuals that submit fraudulent documents/testimony may be barred from doing business with the City and/or forfeit existing contracts.

SBE certification is valid for one (1) year unless revoked.

SECTION D: SPECIAL PROVISIONS

NORTH BLAIR STREET RECONSTRUCTION ASSESSMENT DISTRICT - 2017 CONTRACT NO. 7976

It is the intent of these Special Provisions to set forth the final contractual intent as to the matter involved and shall prevail over the Standard Specifications and plans whenever in conflict therewith. In order that comparisons between the Special Provisions can be readily made, the numbering system for the Special Provisions is equivalent to that of the Specifications.

Whenever in these Specifications the term "Standard Specifications" appears, it shall be taken to refer to the City of Madison Standard Specifications for Public Works Construction and Supplements thereto.

SECTION 102.12: BEST VALUE CONTRACTING

This Contract shall be considered a Best Value Contract if the Contractor's bid is equal to or greater than \$59,000 for a single trade contract; or equal to or greater than \$288,000 for a multi-trade contract pursuant to MGO 33.07(7).

ARTICLE 104 - SCOPE OF WORK

The project limits for the work to be done are on North Blair Street from East Washington Avenue to East Gorham Street. The total project length is approximately 1370 feet.

The work under this contract shall include but not be limited to installation of sanitary sewer, water main, storm sewer, traffic signals, street lighting, curb and gutter, drive aprons, base preparation, asphalt pavement, sidewalk construction, topsoil placement, seeding and restoration. The project is a resurfacing project with spot repairs of curb & gutter and sidewalk. The replacement of the public utilities requires the replacement of the existing base courses and pavement. Soil borings and records indicate that concrete pavement is present beneath the existing asphalt pavement and will be removed with the project.

The Contractor shall view the site prior to bidding to become familiar with the existing conditions. It will be the responsibility of the Contractor to work with the utilities located in the right of way to resolve conflicts during the construction process.

SECTION 104.4 INCREASED OR DECREASED QUANTITIES

The Contractor shall note that some bid item quantities may increase or decrease based on what is encountered in the field at the time of construction. If the actual field conditions vary from the plan quantity, no additional compensation shall be given for increasing or decreasing quantities. Any overruns shall be paid for under the appropriate bid item(s) without any penalty or change to the bid price for the associated bid item. The Contractor shall not be reimbursed for any deletions to the contract. No change to the unit bid price will be allowed for changes to the quantities.

SECTION 104.6 DECREASED AND DELETED ITEMS

The electrical quantities include estimates for work that may or may not be required. If actual quantities are less than estimated, or if items are deleted from the contractor's work, the decreased quantities or deleted items shall not constitute the basis for a claim for damages for anticipated profits for the work dispensed with.

SECTION 105.12 COOPERATION BY THE CONTRACTOR

The City of Madison has been given to understand that work will be undertaken by others in approximately the same time frame and the same area as the proposed project. It shall be the Contractor's responsibility to verify this information and any subsequent changes in the scheduling of the work by others and to make corrections in his/her construction timetable as required.

Access to Adjacent Properties

Access to all properties must be maintained per Article 107 of the Standard Specifications. The Contractor shall maintain access for property owners, mail delivery and garbage/recycling pickup for all properties in the project area. Most properties within the project limits are considered commercial driveways (serving 5 or more parking stalls) and need to have access to the property maintained during the project.

Existing Items to Remain

The Contractor shall use care around existing trees, plantings, fences, walls, steps and driveways that are indicated on the plans to remain. Damage to these items during construction shall be repaired or replaced at the Contractor's expense. No trees, other than those shown on the plan to be removed, shall be cut without the approval of the Engineer and the City Forester; the abutting property owners shall be notified in accordance with the City's Administrative Procedure Memorandum No. 6-2.

The Contractor shall use care around all utilities to remain. All costs to protect existing pipe and structures shall be incidental to construction. If storm sewer pipe or structures that are to remain are removed and replaced to complete portions of the work under this contract, all storm sewer work shall be included in the unit price for associated work. Protection of existing structures, which may include temporary plating or ramping with gravel or temporary pavement as necessary shall be considered incidental to the work being performed. All private storm sewer discharges shall be maintained for all properties in the project area.

Coordination with Private Utilities

This project will require coordination with private utility companies. There are existing utilities located within the project limits that are to remain. The Contractor will be responsible for coordination and providing work space for any conflict resolution work that will need to be performed by the private utility companies. It will be the responsibility of the Contractor to work with the utilities located in the right of way to resolve conflicts during the construction process.

Madison Gas & Electric (Electric)

The contact for coordination with MGE for electric facilities is Mark Bohm, (608) 252-4730. ULO's will be required to verify utility locations.

Madison Gas & Electric (Gas)

The contact for coordination with MGE for gas facilities is John Wichern, (608) 252-1563. ULO's will be required to verify utility locations.

ATC

The contact for coordination with ATC is Lori Kolbow, (262) 506-6886. No conflicts are anticipated with ATC facilities.

AT&T

The contact for coordination with AT&T is Carol Anason, (608) 252-2385. ULO's will be required to verify utility locations.

CenturyTel

The contact for coordination with CenturyTel is Kyle Tostenson, (308) 417-27681563. ULO's will be required to verify utility locations.

Charter Communications

The contact for coordination with Charter Communications is Tom Payne, (608) 288-6839. No conflicts are anticipated with Charter facilities.

Meetings

The Contractor shall attend bi-weekly construction coordination meetings for the duration of the project. These meetings will be held to coordinate with area businesses and private utilities to discuss upcoming schedule and impacts to adjacent properties. The first meeting will be held a minimum of one week prior to starting construction. The Contractor shall provide a project schedule update at each meeting so that the project schedule can be discussed by the attendees.

No trees shall be cut without the approval of the Engineer and the City Forester; the abutting property owners shall be notified in accordance with the City's Administrative Procedure Memorandum No. 6-2.

SECTION 107.6 DUST PROOFING

The Contractor shall take all necessary steps to control dust arising from operations connected with this contract. When ordered by the Engineer, the Contractor shall dust proof the construction area by using power sweepers and water. Dust proofing shall be incidental with operations connected with this contract.

SECTION 107.7 MAINTENANCE OF TRAFFIC

All signing and barricading shall conform to Part VI of the Federal Highways Administrations "Manual on Uniform Traffic Control Devices" (MUTCD), the State of Wisconsin Standard Facilities Development Manual (including Chapter 16 – Standard Detail Drawings) and the City of Madison Standards for sidewalk and bikeway closures.

A traffic control plan for East Johnson Street is provided in the plan set. The traffic control plan is a schematic representation of the traffic control. It shall not be considered to scale. The contractor shall not use the traffic control plan to represent quantity of drums. Drums shall be spaced per M.U.T.C.D. The contractor shall maintain all lanes shown on the traffic control plan except as noted below. Submit all traffic control change requests to the construction engineer at least 3 working days prior to an actual traffic control change. A request does not constitute approval. If the plan contains any contradictions to the MUTCD, the MUTCD will take precedence over the plan. Any changes to the traffic control plan must be approved by the City Traffic Engineer.

The Contractor shall be responsible for installing and maintaining traffic control in accordance with the approved Traffic Control Plan and as directed by the City Traffic Engineer. The traffic control plan may need to be altered as conditions change in the field or as unexpected conditions occur. This may include relocating existing traffic control or providing additional traffic control. The Contractor shall install and maintain any necessary modifications or additions to the traffic control, as directed by the City Traffic Engineer, at no cost to the City.

The Contractor may remove parking within the project limits as indicated on the Traffic Control Plan. The Contractor shall be responsible for posting and maintaining NO PARKING signs in accordance with City of Madison Police Department's "Guidelines for Temporary No Parking Restrictions for Construction or Special Events".

Blair Street

Blair Street may be closed to through traffic, at the project limits, for the duration of the project with the exception of the Blair Street and Johnson Street intersection, which shall remain open at all times. Local and emergency vehicle access shall be maintained at all times.

East Johnson Street

The two eastbound through lanes on East Johnson Street shall be maintained at all times. No lane closures or flagging operations on East Johnson Street shall be done during the hours of 7:00am to 9:00 am or 4:00 pm to 6:00 pm, except as shown in the traffic control plan. When work may interfere with the bike lane, the contractor may close the bike lane (per SDD 6.30) to facilitate construction. A bike detour will not be required.

East Gorham Street

Traffic shall be maintained at all times on East Gorham Street. Single lane closures or flagging operations during the hours of 9:00 am to 4:00 pm will be allowed as needed for utility construction and paving operations in the Blair Street and Gorham Street intersection.

East Mifflin Street

East Mifflin Street at the intersection with Blair Street may be closed one half at a time as needed to construct utilities and pavement structure in the intersection. Maintain bicycle access in accordance with Bid Item 90003 - Maintain Temporary Bicycle Access.

East Washington Avenue

All lanes on East Washington Avenue shall be maintained at all times.

Contractor shall place portable changeable message boards at least one week in advance of the start of work, notifying the public of the start of construction. One portable changeable message board will be required for southbound traffic on Blair Street, south of the Johnson Street intersection. One portable changeable message board shall be placed on East Johnson Street, west of the Blair Street intersection. Contractor shall locate the portable changeable message boards as directed by the Engineer.

The Contractor shall not remove traffic signs. For removal or replacement of traffic and parking signs, contact the City of Madison Traffic Engineering Field Operations, 1120 Sayle Street, 266-4767, 8:00 a.m. to 4:00 p.m., a minimum of 2 working days in advance of when any existing signs need to be removed. This service is provided free of charge. If the contractor removes the signs, the contractor will be billed for the reinstallation of, and any damage to, the signing equipment. The contractor shall notify The City of Madison Traffic Engineering Field Operations, 1120 Sayle Street, 266-4767 upon completion of final landscaping to have permanent signs reinstalled. The contractor shall expect a minimum of seven working days to have permanent signs reinstalled. The contractor shall leave in place all necessary traffic control until given notice by the construction engineer that permanent signing is in place and temporary traffic control may be removed.

The work areas shall be backfilled, plated, or protected by traffic control devices during non-working hours. If steel plates are used, the Contractor shall notify the City of Madison Streets Division, 266-4681, (1) working day prior to placement of the plates.

No construction equipment or materials shall be stored in the roadway or street right-of-way that is open to traffic during non-working hours. Construction equipment and materials are not to be stored within the street right-of-way that is outside the project limits as shown on the approved plan.

Contact Mark Winter City of Madison Traffic Engineering at 266-6543 for questions on this spec.

SECTION 107.8 NOTIFICATION WHEN CLOSING STREET

All Contractors shall give the Traffic Engineer (266-4761) notice of their intent to begin work on any street at least seventy-two (72) hours in advance. The Contractor shall not remove traffic signs. For removal or replacement of traffic and parking signs, contact the City of Madison Traffic Engineering Field Operations, 1120 Sayle Street, 266-4767, 8:00 a.m. to 4:00 p.m., a minimum of one (1) working day in advance of when any existing signs need to be removed. This service is provided free of charge. If the Contractor removes the signs, the Contractor will be billed for the reinstallation of, and any damage to, the signing equipment.

SECTION 107.10: OPENING OF SECTION OF HIGHWAY TO TRAFFIC

The Contractor shall notify the Traffic Engineering Field Operations Facility in writing so that the Traffic Engineering Division can install traffic control signs and barricades prior to the opening of the street. Traffic Engineering shall have five (5) working days once the project site is restored with topsoil, seed and mulch to install signs and pavement marking. The Contractor shall maintain his/her traffic control and barricades until the Traffic Engineering Division has completed their work.

SECTION 108.2 PERMITS

The City of Madison has obtained a City of Madison Erosion Control Permit and has submitted a DNR WRAPP Water Resources Application for Project Permit (formerly known as Notice of Intent (NOI)) to obtain coverage under a Construction Site General Permit.

The Contractor shall meet the conditions of the permits by properly installing and maintaining the erosion control measures shown on the plans, specified in these Special Provisions, or as directed by the Construction Engineer or his designees. This work will be paid for under the appropriate contract bid items or, if appropriate items are not included in the contract, shall be paid for as Extra Work. A copy of the permit is available at the City of Madison, Engineering Division office.

This permit covers trench dewatering to a maximum of 70 gallons/minute from the project, provided appropriate control measures are in place. The City's obtaining this permit is not intended to be exhaustive of all permits that may be required to be obtained by the Contractor for construction of this project. It shall be the responsibility of the Contractor to identify and obtain any other permits needed for construction.

The Contractor shall refer to section 210.6 Erosion Control Implementation and Enforcement for additional information on the requirements regarding this topic.

SECTION 109.2 PROSECUTION OF WORK

The Contractor shall begin work on MAY 29, 2018. The total time of completion of the contract shall be EIGHTY-ONE (81) calendar days.

Work shall begin only after the start work letter is received. If it is desirable to begin work before or after the above-mentioned date, the Contractor shall establish a mutually acceptable date with the City Engineer, and the agreed upon date must be determined prior to the preconstruction meeting.

The Contractor shall limit workdays to 7:00 a.m. to 7:00 p.m. unless approved by the Engineer in writing.

SECTION 110.2: PARTIAL PAYMENTS

The City reserves the right to pay the Contractor with checks that are made payable to the Contractor and one or more subcontractors. In addition, pursuant to the requirements of Wis. Stat. Sec. 779.15, the City may also directly pay a subcontractor to satisfy a valid public improvement lien.

ARTICLE 201 EXCAVATION CUT

Work under this section shall be accomplished in accordance with the Standard Specifications and as modified herein.

Soil borings indicates concrete pavement or a concrete patch is present beneath the asphalt pavement on North Blair Street near stations 16+00 and 23+00. An estimated quantity of concrete pavement removal is included in the proposal as Bid Item 20321 based on the concrete present at these boring locations. The actual quantity of concrete pavement removed must be measured and recorded for payment when encountered. The total quantity for excavation cut includes the volume of concrete pavement present beneath the asphalt pavement.

BID ITEM 20336 – PIPE PLUG

With regard to the City of Madison Standard Specifications for Public Works Construction 2017 Edition Article 203.2(c), any pipe found in a trench that is less than 10" in diameter while installing a sewer facility shall be considered incidental to the pipe being installed.

Any pipe plugs required to abandon or remove sewer access structure (pipes directly connected to the structure) shall be considered incidental to abandoning or removing the structure regardless of the size of the pipe being abandoned.

SECTION 210.1(d) STREET SWEEPING

When required, either by the erosion control plan or the Construction Engineer, the Contractor shall perform mechanical street sweeping on all streets or paved surfaces affected by construction equipment, hauling or related construction activities that result in mud tracking or siltation. Mechanical street sweeping shall be completed as directed by the Construction Engineer and shall remove all loose material to the satisfaction of the Construction Engineer. Depending on site conditions, construction activities, and hauling methods utilized by the Contractor mechanical street sweeping may be required multiple times throughout the day with an absolute minimum that all streets are clean at the end of the work day. Areas not accessible by mechanical street sweepers may require hand scraping with shovels.

SECTION 210.6 EROSION CONTROL IMPLEMENTATION AND ENFORCEMENT

Timely action regarding the maintenance of erosion control practices is critical to compliance with the City of Madison's land disturbance permits as issued both by the WDNR and the City. To allow the City to be assured of compliance with these permits, and federal, state and local laws, the Contractor shall be required to proceed in the following manner with regard to the maintenance of these practices.

In the event an erosion control practice is determined by the Engineer or their designee to require maintenance, or if the terms of the erosion control permit are not being met, the Engineer shall order the Contractor, in writing, to maintain the erosion control practice/device or comply with the terms of the permit. The contractor shall have forty eight (48) hours to complete that work and provide documentation that it has been completed to the Engineer.

Failure to complete the work within the forty eight (48) hours shall result in any or all of the following actions by the Engineer:

- 1) The Contractor shall be charged one (1) day of liquidated damages for failure to complete the work during the ordered timeframe and an additional day of liquidated damages for each twenty four (24) hour period that passes after the initial forty eight (48) hours during which time the ordered work is not completed.
- 2) At the Engineer's discretion, the work ordered may be completed by City Forces. In this case, the Contractor shall be charged the liquidated damages as described in 1 above and shall be charged the full cost of City Forces responding to complete the ordered work.
- 3) At the Engineer's discretion, work on the project as a whole may be suspended under Section 109.6 until such time as the Contractor completes the originally ordered work. In this case, the Contractor shall still be charged liquidated damages as described in 1 above. Additionally, days of work will continue to be charged during the suspension of work. If this results in the Contractor failing to complete the project within the allotted contract time then additional liquidated damages shall be charged.

Notwithstanding the foregoing, the failure to comply with an order under this Section may constitute a default under Section 109.10.

The Engineer's decision under this Section may be reviewed under Section 105.2.

ARTICLE 401**CRUSHED AGGREGATE BASE COURSE**

The clear stone base course and the crushed stone base course shall be placed on the same day as the existing stone base is removed.

The Contractor shall maintain a minimum of six (6") inches of stone base course (existing or new) on all portions of the roadway open to vehicle access. No additional compensation will be given for stone used to maintain the six (6") required for access.

Crushed stone base course shall be used for bringing temporary ramps to grade. This material shall be reused after ramp is removed.

The material commonly known as crusher run or breaker run shall be used in undercut areas as designated by the Engineer.

ARTICLE 500**SEWER AND SEWER STRUCTURES GENERAL**

The sewer designer for the project is Fadi El Musa Gonzalez. He may be contacted at (608) 243-5214 or felmusagonzalez@cityofmadison.com.

SANITARY SEWER GENERAL

This project consists of the installation of 550' of 8" diameter ASTM D3034 SDR-35, 543' of 10" diameter ASTM D3034 SDR-35, 50' of 10" diameter AWWA C900 DR 18, and 1075' of sanitary sewer lateral SDR-35. Sanitary sewer pipe work shall include the installation of new sewer at the sizes and locations that are specified on the plan set and in accordance with the City of Madison Standard Specifications for Public Works Construction, Latest Edition.

All new sanitary sewer access structures shall include the Neenah R-1550 R-1050 Frame w/ City of Madison Logo Lid 1550-0054 (see S.D.D. 5.7.16 of the City of Madison Standard Specifications for Public Works Construction, Latest Edition). All new sewer main connections may be factory cored and shall be included in the structure. All existing lateral and main connections shall be field cored to accommodate existing conditions and shall be compensated under BID ITEM 50791 SANITARY SEWER TAP. All sewer main and/or laterals not slated for replacement that are damaged during the installation of a structure shall be replaced by the Contractor and shall be considered incidental to the project. All benches and flowlines shall have a smooth trowel finish.

It is advised that the Contractor visit the site prior to bidding to determine the type of trench protection that will be necessary for the sanitary sewer main installation.

Per the City of Madison Standard Specifications for Public Works Construction latest edition, for sanitary sewer lateral construction on street reconstruction projects, Contractors are encouraged to begin installation of sanitary sewer lateral pipe at the proposed sanitary sewer main. If Contractor starts excavation for the sanitary sewer lateral at the property line, it shall be at the Contractor's risk. A portion of the sanitary sewer laterals were located and surveyed prior to design. Laterals located are marked on the plan as Lateral Located (TYP). If tree conflicts are encountered during the sanitary sewer lateral replacement process, contractors are instructed to follow the new policy set in the Standard Specifications for Public Works Construction, Latest Edition. No Utility Line Openings (ULOs) will be granted for the inability to locate the sanitary lateral at the property line. Any extra sidewalk removal will not be compensated to the Contractor looking for an existing sanitary sewer lateral at the property line.

Contractors shall have a locator device on-site if they intend to start laying lateral pipe at the property line to minimize the amount of extra sidewalk removal. Each sanitary sewer lateral shall have a maximum of 4 sidewalk squares removed and replaced. No additional compensation shall be awarded beyond this amount for the replacement of a sewer lateral. If sanitary sewer laterals called for reinstatement on the plans are to be plugged under the direction of the engineer on-site, contractors are required to use a

sonde device to confirm that the laterals are not active. In addition, contractor will be required to provide videos of the laterals being abandoned prior to them being abandoned.

Sanitary sewer lateral locations are based upon the City television reports and the City records. Proposed sanitary sewer lateral locations near trees are subject to change based upon data obtained in the field and property owner involvement. Excavation near trees shall comply with Article 107.13 of the City of Madison Standard Specifications for Public Works Construction latest edition. If 5 ft of separation from the tree to the excavation cannot be maintained, lateral replacement shall stop at the curb upon approval by the construction engineer. The Construction Engineer will make the determination whether lateral replacement will need to stop at the curb.

Pipe Removal within the same trench as the proposed sewer is considered incidental to the new pipe being installed. Asbestos cement pipe removal is considered to be payable regardless of the location.

Tunneling is expected to be required at the existing utility crossings. Any utility tunneling required shall be considered incidental to the pipe being installed.

STORM SEWER GENERAL

Storm sewer pipe work shall include installing approximately 314 feet of new storm sewer of various sizes ranging from 12" to 24".

Reconnection of existing pipes at new or existing structures, or new pipes at new or existing structures, shall be considered to be part of the work required to construct the new structure or to construct the new storm sewer pipe and shall not be rewarded with additional compensation. However, if the structure being removed is larger than the new structure, thus requiring additional pipe, the new pipe shall be paid under the appropriate bid item and the connection of the old pipe to the new pipe shall be accomplished with a concrete collar.

Where a new structure is to be constructed at an existing pipe, it is expected that the contractor shall saw cut the existing pipe in the required location to accommodate the placement of the new structure. If the contractor for his or her convenience deems it more suitable to remove the existing pipe to a full joint, the additional pipe and concrete collar required to reconnect to the new structure shall be the contractor's responsibility and shall not be compensated.

Connection of new pipes to existing structures shall be accommodated with a Storm Sewer Tap – Bid Item 50792.

Precast structures are only allowed where field poured structures are not specifically called for, and no precast structures are allowed until Utility Line Openings (ULO's) are completed and approval of the design engineer has been received.

BID ITEM 50353 - SANITARY SEWER LATERAL

Sanitary sewer laterals shown on the construction plans were located by City television inspection and records only.

Where the existing sanitary sewer laterals are being extended to connect to the new sanitary sewer main (being installed in a different location as the existing main), pipe plugs shall be required to plug the existing sanitary sewer main on both sides of the old lateral location. The pipe plugs shall be considered incidental to the bid price for SANITARY SEWER LATERAL. All work associated with this bid item shall comply with Article 503 of the Standard Specifications.

Per the City of Madison Standard Specifications for sanitary sewer lateral construction on street reconstruction projects, Contractors are encouraged to begin installation of sanitary lateral pipe at the proposed sewer main. If Contractor starts excavation for the lateral at the property line, it shall be at the Contractor's risk. No Utility Line Openings (ULOs) will be granted for the inability to locate the sanitary

lateral at the property line. Any extra sidewalk removal will not be compensated to the Contractor looking for an existing sanitary lateral at the property line. Contractors are encouraged to have a locator device on-site if they intend to start laying lateral pipe at the property line to minimize the amount of extra sidewalk removal.

Proposed sanitary lateral locations near trees are subject to change based upon data obtained in the field and property owner involvement. Excavation near trees shall comply with Article 107.13 of the Standard Specifications. If 5 ft of separation from the tree to the excavation cannot be maintained, lateral replacement shall stop at the curb upon approval by the construction engineer.

BID ITEM 50354 RECONNECT

The first 5 feet of pipe shall be included with this bid item regardless of pipe type or fittings used. Beyond 5 feet shall be paid for separately under Bid Item 50353- SANITARY SEWER LATERAL.

The first 5 feet of sanitary sewer lateral pipe/ fittings measured from the sewer main shall be considered the reconnect for all sewer lateral reconnections.

BID ITEM 50390 SEWER ELECTRONIC MARKERS

With regard to the City of Madison Standard Specifications for Public Works Construction, Latest Edition Article 503.3(c), each sanitary sewer lateral shall have a minimum of two (2) electronic markers with the City providing the Contractor with the required number of electronic markers. For sanitary sewer laterals which only include the installation of a wye, a marker ball shall be installed directly above the wye connection to the main.

BID ITEM 50801 UTILITY LINE OPENING (ULO)

The work under this item shall be completed in accordance with Article 508 of the Standard Specifications for Public Works Construction, Latest Edition. It is the discretion of the contractor to locate utilities by either a trench excavation or by a pothole technique. However, the contractor shall not be compensated more than once for multiple utilities located within a maximum distance of five (5) feet long.

SECTION 601 ELECTRICAL, GENERAL REQUIREMENTS

The existing signal and lighting poles, conduits, handholes, and manholes not scheduled for removal or abandonment shall be protected during construction. If the contractor believes that damage to such facilities is unavoidable, the contractor shall not damage or remove any facilities until the City Traffic Engineering electrical inspector has reviewed and approved such actions. Any damage or removal of City electrical conduit, wire, fiber, or structures, without the specific approval by the City Traffic Engineering electrical inspector shall be promptly repaired or replaced by and at the expense of the contractor. The City may elect to do repair work with City crews. The cost for any repair work done by the City will be billed to the contractor.

Any damage or removal of City street lighting facilities shall be repaired or replaced within 24 hours, but any resulting street light outage resulting from such damage or removal shall be confined to as few numbers of street lights as possible. The streetlight circuits shall remain operational each and every night. If any street light outage continues beyond 24 hours, the City shall have the right to make temporary or permanent repairs, with the full cost of such work, including engineering time, billed to the general contractor.

The City of Madison Traffic Engineering Division will install new streetlight and signal poles as necessary and install wire for new street lighting and traffic signal operation. The contractor shall install and maintain temporary street lighting and wood poles required for temporary traffic signal equipment to keep lighting and signals operating during construction as described in bid item 90025.

- SEE ADDENDUM -

Unless a traffic signal or street light pole or base is specifically designated for removal, it shall be saved. Unless a manhole, handhole or conduit is specifically designated for removal, it shall be saved.

SECTION 601.10 MATERIALS FURNISHED BY THE CITY OF MADISON

The following electrical materials will be furnished to the Contractor at the Traffic Operations Shop, 1120 Sayle Street. The Contractor shall notify the Traffic Operations Shop (Dennis Rowe at 266-9034) twenty four (24) hours prior to picking up any materials.

ITEM	Quantity
3/4" x 19" Anchor Bolts	8
1 1/4" x 48" Anchor Bolts	20
1 1/4" x 48" Anchor Bolts	12

SECTION 602.4(b) ELECTRICAL CONDUIT

Item 60241, Gopher Raceway, shall include any and all work associated with determining locations of existing utilities, such as underground locates. Item 60241 shall include raceways created by pushing, gophering or boring. The measured quantity will only include distances installed directly underneath curb and gutter, roadway, and sidewalk sections that are not removed or constructed with this project. Minor alterations in conduit location may be made by the City Traffic Engineering Electrical Inspector to avoid gopher installation.

Where curb and gutter is being replaced, the new conduit to be installed parallel to the curb and gutter shall be placed according to the Typical Conduit Installation detail shown on the plan sheet. When existing utilities preclude placing conduit as shown in the detail, the conduit shall be placed under the curb or as close to the curb as possible.

When curb and gutter is not being replaced, the new conduit to be installed parallel to the curb and gutter shall be placed in the roadway, three feet from the edge of gutter, and as approved by the City Traffic Engineering Electrical Inspector.

Entering existing manholes shall be made by watertight methods. The cost for drilling holes in manholes and resealing such openings after the conduit is installed shall be considered incidental to the electrical conduit bid item.

ARTICLE 607 ELECTRICAL HANDHOLES

The contractor shall furnish Type 1, 5 and 7 handholes conforming to this section and the Standard Detail Drawings.

Electrical Handhole, Type 1 shall be gray colored polymer concrete construction. Box dimensions for Type 1 shall be 19" wide X 32" long X 24" deep and come with a cover rated to withstand 15,000 lbs over a 10" square with a minimum test load of 22,568 lbs.

Electrical Handhole, Type 5, shall be gray colored polymer concrete construction. Box dimensions shall be 26" wide by 38" long by 24" deep. The box and cover shall be rated at 15,000 lbs over a 10" square with a minimum test load of 22,568 lbs.

Electrical Handhole, Type 7, shall be gray colored polymer concrete construction with a two piece hinged cover. Box dimensions shall be 30" wide by 48" long by 36" deep. The box and cover shall be rated at 15,000 lbs over a 10" square with a minimum test load of 22,568 lbs.

SECTION 701

PROVISIONS FOR WATER INSTALLATION AND ABANDONMENT

The Water Utility designer for the project is Adam Wiederhoeft. He may be contacted at (608) 266-9121 or awiederhoeft@madisonwater.org.

The proposed water system improvements in this Contract include furnishing and installing approximately 270-feet of new 10-inch diameter ductile iron water main on N Blair St between E Johnson St and Gorham St. Existing service laterals will be reconnected to the new water main along this segment, unless otherwise noted on the plans. Existing 10-inch diameter ductile iron water mains from 1993 and 2014 exist between E Johnson St and E Washington Ave and will continue to remain in-service. Note that the existing water main information shown in the profile drawings was based off 1993 and 2014 as-built drawings and has not been field verified. The Contractor remains responsible to locate and verify utility information prior to beginning work.

Once the new systems have passed the required pressure and water quality tests, cut off, extend as necessary, and reconnect the existing water service laterals to the new water mains (unless the service is to be abandoned). Services will be reconnected to the new main as shown on the plans. Service lateral work in conflict with tree protection specifications and/or damaged service laterals may require relocation or replacement of the lateral. Any service lateral work other than what is designated on the plans must be authorized in advance by the Water Utility Inspector and will be paid under BID ITEM: 70053 – REPLACE 1-INCH COPPER SERVICE LATERAL.

The water main construction also includes concrete work, such as curb & gutter removal and replacement at various locations, as designated on the plans. Payment shall be made only for authorized and required curb replacement in the designated areas. Additional removal and replacement work to accommodate water main construction must be authorized by the Water Utility Construction Inspector or Engineer during construction to be considered for payment.

Take all necessary precautions to protect the existing Madison Water Utility system and ensure its proper functioning during construction.

View the site prior to bidding and become familiar with existing conditions and utilities.

SECTION 702 MATERIALS

Furnish all materials, labor and equipment necessary to complete this project except any proposed tapping sleeves, tapping valves and tapping valve boxes. Water Utility will furnish the tapping sleeves, tapping valves, tapping valve boxes, and the crew to perform the taps.

SECTION 703 CONSTRUCTION METHODS

Perform all work in accordance with these provisions and the City of Madison Standard Specifications, current edition. Keep all valves accessible and functioning throughout the duration of the work or directed otherwise by the Water Utility representative.

WATER UTILITY GENERAL NOTES FOR SPECIFIC WORK:

- WN1 Replace the existing lead service with a new copper service.
- WN2 Extend and reconnect the existing copper service to the new water main.
- WN3 Existing service to be abandoned when water main is cut-off.
- WN4 Disconnect service from the old water main and reconnect the existing copper water service lateral to the new water main.
- WN5 Relocate the existing fire hydrant.

- WN6 Abandon water valve access structure.
- WN7 Furnish and install the new top section for the water access structure.
- WN8 Abandon the valve box.
- WN9 Furnish the ditch, compaction and all materials and labor for the installation of new service lateral.
- WN10 Remove and salvage existing hydrant.
- WN11 Replace the existing copper service with a new copper service.

BID ITEM 70053 – REPLACE 1-INCH COPPER SERVICE LATERAL

Service lateral work in conflict with tree protection specifications and/or damaged service laterals may require relocation or replacement of the lateral. Any service lateral work other than what is designated on the plans must be authorized in advance by the Water Utility Inspector. Refer to Section 704.10 - Method of measurement and payment in this contract shall be per each completed service replacement, and also includes abandonment of the existing curb box.

BID ITEM 90001 - HIGH FRICTION MMA COLORED SURFACE - GREEN

DESCRIPTION

This work consists of furnishing and applying a high friction surfacing system in accordance with this Section and in conformity with the lines and details shown on the plans. The location of the High Friction Colored Surface is noted on Sheet D-3 and consists of a High Friction Colored Surface installed on the Bike Path and through the N Charter Street and Spring Street intersection. The field installed system shall consist of a Methyl Methacrylate (MMA) resin system that is used for pavement area markings and anti-skid surfacing to provide high friction resistance and the desired color. The color of the High Friction Colored Surface shall be Bike Lane Green.

The manufacturer's technical representative shall come to the construction site to train Department and Contractor personnel prior to surface treatment and shall be available during application as necessary.

MATERIALS

General: Use Color-Safe Pavement Marking with Anti-Skid Surface by Transpo Industries or an approved equal. Use a MMA based resin system capable of retaining an aggregate topping under vehicular traffic conditions. Install High Friction Colored Surface in accordance with manufactures specifications.

The MMA based resin system shall comply with chromaticity requirements in accordance with MUTCD Interim Approval for Optional Use of Green Colored Pavement for Bike Lanes.

MMA Based Resin System: The MMA based resin system shall meet the following requirements:

<u>Property</u>	<u>Value</u>	<u>Test Method</u>
Tensile Strength @ 7 days, psi, minimum	1000	ASTM D 638
Hardness, Shore D, minimum	80	ASTM D 2240
Gel Time, minutes, minimum	10	ASTM D 2471
Cure Rate, hours, maximum	3	Film@ 75°F
Water Absorption @ 24 hours, max.	0.25%	ASTM D 570

Aggregate: The aggregate shall be high friction crushed Bauxite, Granite, or gravel. The aggregate will be delivered to the construction site in clearly labeled bags or sacks. The aggregate shall be clean, dry and free from foreign matter. The aggregate shall meet the following requirements:

<u>Property</u>	<u>Value</u>	<u>Test Method</u>
Aggregate Abrasion Value,	maximum 20	LA Abrasion
Aggregate Grading, No 6 Sieve Size, No 16 Sieve Size,	minimum passing, 95% maximum passing, 5%	
Aggregate Color	Green	

Certification: Finished surface shall have a minimum 60 FN40R in accordance with ASTM E274) of aggregate bonded to a vehicular bearing surface using the modified epoxy binder.

CONSTRUCTION METHODS

General: Apply High Friction Colored Surface in accordance with manufactures specifications.

Preparation: Prepare surfaces so that they are clean, dry, and free of all dust, oil, debris and any other material that might interfere with the bond between the epoxy binder material and existing surfaces. The manufacturer's representative will determine if all surfaces have been adequately cleaned.

Protect utilities, drainage structures, curbs and any other structure within or adjacent to the treatment location against the application of the surface treatment materials. Cover and protect all existing pavement markings that are adjacent to the application surfaces as directed by the Engineer. Remove by grinding any pavement markings that conflict with the surface application and thoroughly sweep or vacuum the surface clean prior to the epoxy binder application.

Pre-treat joints and cracks greater than 1/4 inches in width and depth with the mixed epoxy specified herein or by using an alternative procedure proposed by the manufacturer and agreed upon by the Engineer. Proceed with the epoxy binder and aggregate topping installation once the epoxy, in the pre-treated areas, has gelled or once the alternative procedure has been accomplished.

For applications on new pavements, install the high friction epoxy binder and aggregate topping a minimum of 20 days after the placement of the underlying and adjacent pavement.

Mixing and Application of MMA based resin system and Aggregate Wearing Course: Utilize one of the following methods for the application of the MMA based resin system, as applicable.

1) **Hand mixing and application:** Proportion the MMA based resin system as recommended by the manufacturer, and mix using a low speed, high torque drill fitted with a helical stirrer. Hand-apply the mixed components onto a prepared pavement surface at a thickness recommended by the manufacturer. Uniformly spread hand-applied base binder onto the substrate surface by means of a serrated edge squeegee.

2) **Mechanical mixing and application:** Apply the MMA based resin system material by a truck mounted application machine onto the pavement section to be treated in varying widths at a uniform application thickness. Proceed with operations in such a manner that will not allow the MMA based resin system material to separate in the mixing lines, cure, dry, or otherwise impair retention bonding of the high friction surfacing aggregate. Apply the mixed components mechanically onto the prepared pavement surface with a uniform thickness of 50 to 100 mils. Immediately, mechanically apply the high friction surfacing aggregate in a uniform, continuous manner.

For either of the above methods, do not use vibratory or impact type compaction on the aggregate after placement. Use only lightweight rollers to seat the aggregate topping without crushing the aggregate. Complete coverage of the "wet" MMA based resin system material with aggregate is necessary to achieve a uniform surface. No exposed wet spots shall be visible once the aggregate is placed.

Curing: Allow the high friction aggregate topped MMA based resin system to cure in accordance with manufacturer recommendations. Protect treated surfaces from traffic and environmental effects until the area has cured.

Removal of Excess Aggregate: Remove the excess aggregate by hand brooms, mechanical sweeping, or vacuum sweeping before opening to traffic. Excess aggregate can be reused on the following day's installation, provided the aggregate is clean, uncontaminated, and dry.

The Engineer may require additional mechanical or vacuum sweeping as necessary after the system fully cures and the treated surface is open to traffic.

PERFORMANCE REQUIREMENTS

Raveling and Delamination: Remove and replace high friction colored surface treatment that ravel, delaminates, or wears off within 90 days after placement, unless approved to remain in place by the Engineer. The limits of removal and replacement shall be approved by the Engineer. The replaced high friction colored surface treatment shall meet the requirements of this sub-article.

Warranty: The MMA based resin system material shall be installed per plans and specification. The Engineer will notify the Contractor within 48 hours of installation regarding any of the MMA based resin system material that is installed not to specification or to the satisfaction of the Engineer. Non conforming MMA based resin system material shall be removed at no charge to the City and replaced with conforming product.

The warranty period in reference to the following points is to be 3 years from date of installation. Warranty of the following items shall be submitted in writing by the Contractor or his installer prior to the pre-construction meeting.

- The MMA based resin system material will maintain its original color in the surface area throughout the 'warranty period' with the exception of natural weathering, tire and dirt deposits and abnormal markings applied after installation.
- Friction will achieve a minimum BPN of 60 in accordance with ASTM E-303
- The MMA based resin system material will maintain its skid resistance qualities in 100% of its surface area to never fall below a BPN of 60 during the 'warranty period'.
- With the exception of structural cracking or excessive movement of the surface beneath the two-part modified epoxy material will not be subject to excessive cracking in its surface.

METHOD OF MEASUREMENT

High Friction Colored surface will be measured in square foot, completed and accepted. No deduction will be made for the areas occupied by manholes, inlets, drainage structures, pavement markings or by any public utility appurtenances within the area.

BASIS OF PAYMENT

Payment for this work, measured as provided above, will be made under: High Friction Colored Surface at the contract unit price per square foot, which shall be full compensation for all work, materials, labor, and incidentals required to complete the work as specified, including any re-application or repair required under the Performance Requirements and Warranty as provided herein.

BID ITEM 90002 – MONOLITHIC CONCRETE MEDIAN ISLAND - COLORED

DESCRIPTION

This special provision describes providing and constructing integrally colored concrete pavement as shown in the plans and as hereinafter described. Construct Monolithic Concrete Median Island - Colored in accordance with Part III – Concrete and Concrete Structures, of the Standard Specifications for Public Works Construction, and as shown in the plans, and as hereinafter provided.

MATERIALS

Integrally color concrete using non-fading pigments conforming to ASTM C979. Use Brickform liquid integral color LC 425, Autumn Brown as approved by the City of Madison or an approved equal. Add integral concrete colorant according to manufacturer's instructions. Provide a copy of those manufacturer instructions to the Engineer prior to providing the material's for construction. Furnish a liquid membrane forming clear curing compound conforming to ASTM C1315 and as recommended by the color manufacturer.

CONSTRUCTION

Construct Monolithic Concrete Median Island - Colored in accordance with Part III – Concrete and Concrete Structures, of the Standard Specifications for Public Works Construction, as shown in the plans, and in accordance with color manufacturer's instructions.

METHOD OF MEASUREMENT

The Engineer will measure Monolithic Concrete Median Island - Colored by the square foot of surface area, acceptably completed.

BASIS OF PAYMENT

Monolithic Concrete Median Island - Colored shall be paid for at the contract price, which shall be full compensation for all labor, materials and incidentals related to the work.

BID ITEM 90003 – MAINTAIN TEMPORARY BICYCLE ACCESS

DESCRIPTION

This special provision describes maintaining an accessible bicycle crossing of Blair Street at the East Mifflin Street intersection during construction on Blair Street. Mifflin Street within the project limits is a designated on-street bicycle route.

MATERIALS

Furnish a hard temporary surface utilizing existing pavement, asphalt millings, new pavement, or temporary surface material, approved by the engineer, where shown on the plans or directed by the engineer. Gravel or base course material are not acceptable.

CONSTRUCTION

Maintain Temporary Bicycle Access on existing pavement, asphalt millings, new pavement, or temporary surface material where shown on the plans or directed by the engineer.

Install, maintain, relocate (if necessary to accommodate work or operations), and remove temporary surface material at Mifflin Street as shown on the plans and as directed by the engineer. Level and compact the surface prior to placing temporary surface material. The temporary bikeway shall have a minimum clear width of 8 feet; be located outside the immediate work area, as approved by the engineer; and meet the requirements of the current Americans with Disabilities Act Accessibility Guidelines (ADAAG).

When utility work or other operations require blocking the intersection, place signage for bicycle traffic in both directions on East Mifflin Street to stop, dismount and walk

bikes utilizing the pedestrian crosswalk to cross Blair Street. When work is not taking place in the intersection, reestablish the Maintain Temporary Bicycle Access

MEASUREMENT

Maintain Temporary Bicycle Access by the day in service, acceptably completed. The measured quantity will equal the number of calendar days a bikeway through the work area is open to bicycle traffic. A bikeway is defined as an accessible two-way crossing of an intersection. Each day that the bikeway is out of service for more than 2 hours will result in 1 day being deducted from the quantity measured for payment.

PAYMENT

Payment is full compensation for furnishing, loading, and hauling materials; for preparing the foundation; for furnishing, placing, maintaining, and removing temporary surface material; and for reconstructing or relaying the temporary surface material.

BID ITEM 90004 SIGNS REFLECTIVE TYPE I

DESCRIPTION

Work under this item shall include sign layout, providing sign panels, and installing Type I reflective signs per the requirements of the most current version of the Wisconsin Department of Transportation Standard Specifications, Section 637.

The Contractor shall design and layout the guide signs using Highway Gothic D Series Font on a 6-foot x 17-foot maximum blank with a green background and white lettering the material used shall be consistent with current MUTCD retroreflectivity and color standards. The contractor shall provide the traffic engineer shop drawings for final approval prior to fabrication.

BID ITEM 90005 OVERHEAD SIGN SUPPORT

DESCRIPTION

Work under this item shall include design, fabrication, and construction of Overhead Sign Supports as called for in the plans and per the requirements of the most current version of the Wisconsin Department of Transportation Standard Specifications, Section 641 and AASHTO "Standard Specifications For Structural Supports For Highway Signs, Luminaires and Traffic Signals".

MATERIALS

Aluminum shall not be used.

BID ITEM 90030 RECONSTRUCT CATCHBASIN TO SAS CASTING

DESCRIPTION

Work under this item shall include removing the roof and any adjustment from an existing catchbasin structure, lowering the walls up to 12 inches, constructing a new roof to accommodate a standard R-1550-0054 City of Madison SAS castings (included as part of this item), and installation of the new castings to the proposed grade. The new roof shall be constructed to be in compliance with the roof detail for sewer access structures in the Standard Specifications for Public Works Construction. This item includes all materials, incidentals, and labor required to complete the work. This item includes disposal of the existing casting and provision of a new sewer access structure casting.

Castings shall be placed "in line" with traffic or concrete pavement joints to minimize being placed in traffic wheel paths.

METHOD OF MEASUREMENT

Reconstruct Catchbasin to SAS Casting shall be measured as each for completed structure reconstruction.

BASIS OF PAYMENT

Reconstruct Catchbasin to SAS Casting shall be measured as above and paid at the contract price which shall be full compensation for all work, materials, and incidentals to complete the work as outlined in the description.

BID ITEM 90100 CABLE TRAFFIC SIGNAL 5-14 AWG

A Description

This special provision describes furnishing and installing Cable Traffic Signal 5-14 AWG Wire according to Wisconsin Department of Transportation (WISDOT) 2017 Standard Specification 655.0230.

B Material

Furnish 5-14 AWG wire according to WISDOT 655.0230 as the plans show.

C Construction

Furnish and install 1 cable from pedestrian buttons at TS6 and TS10 to Traffic Signal Controller Cabinet for Mifflin Street – N. Blair Street Pedestrian Hybrid Beacon.

D Measurement

The department will measure Cable Traffic Signal 5-14 AWG by the linear foot acceptably completed, measured from the splice with the pedestrian button to the splice with the controller cabinet.

E Payment

The department will pay for measured quantities at the contract unit price under the following bid item:

<u>ITEM NUMBER</u>	<u>DESCRIPTION</u>	<u>UNIT</u>
90100	CABLE TRAFFIC SIGNAL 5-14 AWG	LF

Payment is full compensation for furnishing and installing all materials, and for furnishing all equipment and incidentals necessary to complete the work.

BID ITEM 90101 ELECTRICAL WIRE LIGHTING 10 AWG

A Description

This special provision describes furnishing and installing Electrical Wire Lighting 10 AWG according to Wisconsin Department of Transportation (WISDOT) 2017 Standard Specification 655.0615.

B Material

Furnish Electrical Wire Lighting 10 AWG wire according to WISDOT 655.0615 as the plans show.

C Construction

D Measurement

The department will measure Electrical Wire 10 AWG by the linear foot acceptably completed, measured from the splice with the pedestrian button to the splice with the controller cabinet.

E Payment

The department will pay for measured quantities at the contract unit price under the following bid item:

ITEM NUMBER	DESCRIPTION	UNIT
90101	ELECTRICAL WIRE LIGHTING AWG	LF

Payment is full compensation for furnishing and installing all materials, and for furnishing all equipment and incidentals necessary to complete the work.

BID ITEM 90102 ELECTRICAL WIRE LIGHTING 14-3 UF GROUNDED

A Description

This special provision describes furnishing and installing electrical wire lighting, 14-3 type UF cable according to standard spec 655 and these specifications.

B Material

Furnish type UF cable with ground including the number and size of conductors as the plans show. Use cable conforming to ANSI/UL 493.

C Construction

Furnish and install one cable to each LED luminaire from base of pole to the luminaire.

D Measurement

The department will measure Electrical Wire Lighting, 14-3 Grounded by the linear foot acceptably completed, measured from the splice with the system lighting circuit in the pole base to the connection terminals in the luminaire.

E Payment

The department will pay for measured quantities at the contract unit price under the following bid item:

ITEM NUMBER	DESCRIPTION	UNIT
90104	ELECTRICAL WIRE LIGHTING, 14-3 UF GROUNDED	LF

Payment is full compensation for furnishing and installing all materials, and for furnishing all equipment and incidentals necessary to complete the work.

BID ITEM 90103 MAINTAIN STREET LIGHTS AND SUPPORT STRUCTURES FOR TEMPORARY LIGHTING

DESCRIPTION

This special provision describes furnishing, installing, maintaining, and removing wood poles, guy wires, luminaires, arms and aerial cable to maintain 100% of the existing lighting system and wood poles required for Temporary Traffic Signals.

The City will remove the existing street light poles after temporary lighting has been installed (and is operational) by the Contractor.

Work for temporary wood poles, overhead cables and guy wires shall be according to State of Wisconsin Standard Spec 661.

MATERIALS

Furnish aerial cable consisting of an assembly of three No. 4 XLP insulated power conductors with an ACSR messenger (grounding) wire. Provide the quantity of parallel

cable assemblies necessary to maintain lighting circuits within the project area and lighting circuits outside of the project area that are fed from the existing lighting circuits within the project area.

Furnish Type 4 wood poles, 35' long. Luminaires shall be 250 watt HPS or equivalent lumen output, full cutoff.

Protect any cable that extends from grade to 10 feet above grade by a plastic cable guard.

CONSTRUCTION METHODS

Maintain existing, temporary and proposed lighting within the construction limits for the duration of the project. Maintenance includes but is not limited to replacement of burned out lamps, replacement of knocked down poles and maintaining continuous lighting. The contractor shall keep streetlights in operation throughout the construction project until new lights are installed and operational.

Furnish and install additional wood poles and guy wires as required for temporary traffic signals to be installed and maintained by City of Madison.

Provide off-hours contact name(s) and phone number(s) for the city and police department for repair purposes and be able to respond within 2 hours to the project site for knockdowns or other work that must be completed in a timely manner. All other maintenance needs shall be completed within 24 hours of notification. It is also the contractor's responsibility to continuously monitor the lighting systems operation.

METHOD OF MEASUREMENT

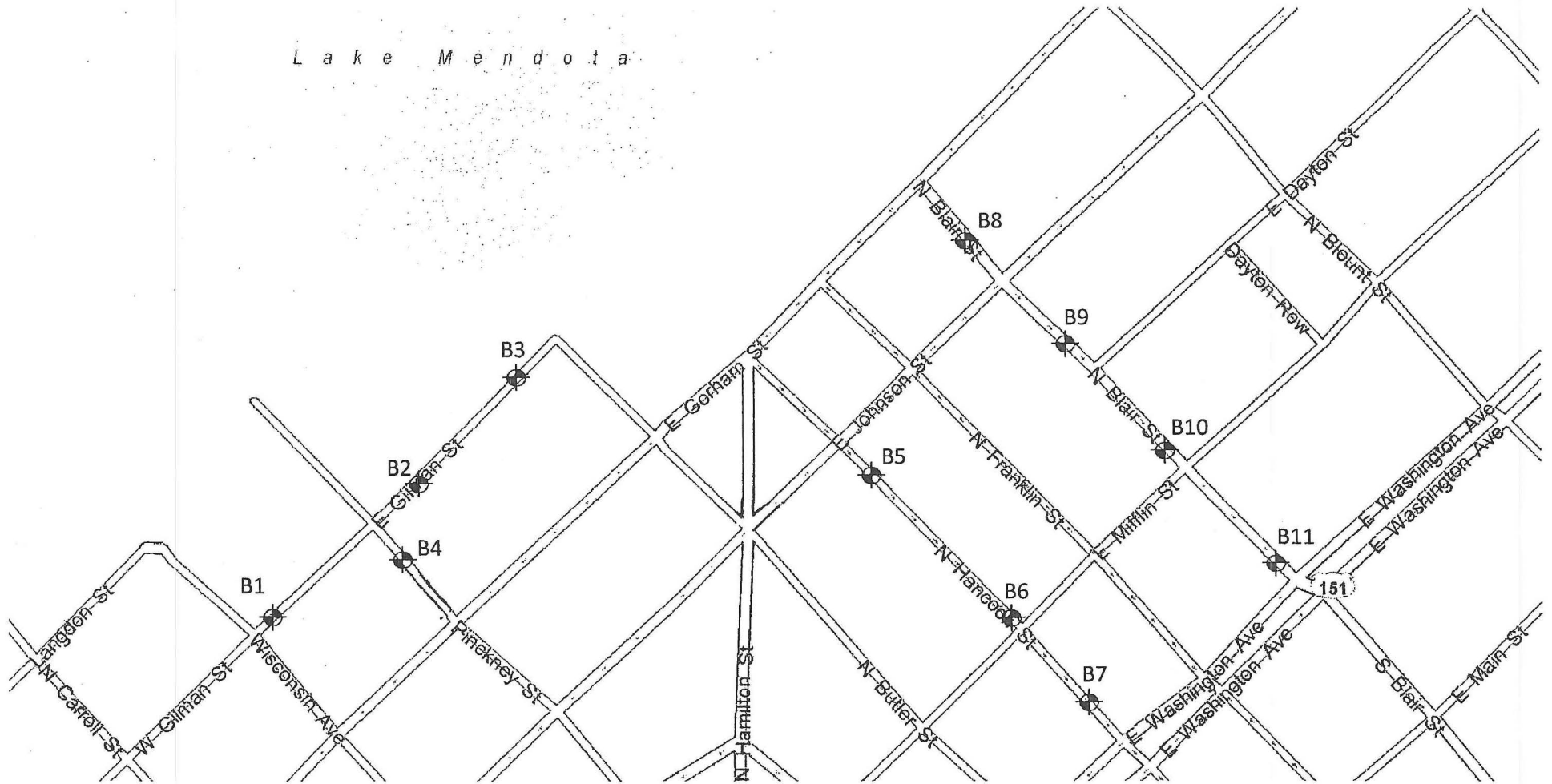
Maintain Street Lights and Support Structures for Temporary Traffic Signals will be measured as a lump sum, completed in place and accepted in accordance with the contract.

BASIS OF PAYMENT

Maintain Street Lights and Support Structures for Temporary Traffic Signals will be paid for at the contract lump sum price, which price shall be full compensation for furnishing, installing and removing wood poles, aerial cable, luminaires, arms, guy wires, maintaining lighting units, replacement of burned out lamps; replacement of knockdowns, and for furnishing and installing splice connectors.

<u>ITEM NUMBER</u>	<u>DESCRIPTION</u>	<u>UNIT</u>
90103	MAINTAIN STREET LIGHT AND SUPPORT STRUCTURES FOR TEMPORARY LIGHTING	LUMP SUM

L a k e M e n d o t a



Legend

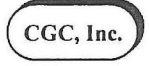
 Denotes Boring Location



Scale: Reduced

Notes

1. Soil borings performed by Badger State Drilling in June 2017
2. Boring locations are approximate.

Date: 6/2017		Soil Boring Location Exhibit Isthmus Streets North Madison, WI
Job No. C17051-14		



LOG OF TEST BORING

Project Isthmus North Streets
 Blair: 140'SE of Gorham, 5'SW of CL
 Location City of Madison, Dane County, WI

Boring No. 8
 Surface Elevation (ft) 859±
 Job No. C17051-14
 Sheet 1 of 1

2921 Perry Street, Madison, WI 53713 (608) 288-4100, FAX (608) 288-7887

SAMPLE					VISUAL CLASSIFICATION and Remarks	SOIL PROPERTIES				
No.	Rec (in.)	Moist	N	Depth (ft)		q _u (qa) (tsf)	W	LL	PL	LI
					X					
1	8	M	13		/					
					/	(2.5)				
2	12	M	8		/					
					/	(0.75)				
3	8	M	31		/					
4	14	M/W	13		/					
5	2	M/W	21		/					
				15	/					
				20	/					

WATER LEVEL OBSERVATIONS				
While Drilling	<input checked="" type="checkbox"/>	NW	Upon Completion of Drilling	
Time After Drilling				
Depth to Water				<input checked="" type="checkbox"/>
Depth to Cave in				

GENERAL NOTES				
Start	6/14/17	End	6/14/17	
Driller	BSD	Chief	MC	Rig CME-55
Logger	MG	Editor	ESF	
Drill Method	2-1/4" HSA; Autohammer			

The stratification lines represent the approximate boundary between soil types and the transition may be gradual.



LOG OF TEST BORING

Project Isthmus North Streets
 Blair: 70'NW of Dayton, 7'NE of CL
 Location City of Madison, Dane County, WI

Boring No. 9
 Surface Elevation (ft) 850±
 Job No. C17051-14
 Sheet 1 of 1

2921 Perry Street, Madison, WI 53713 (608) 288-4100, FAX (608) 288-7887

SAMPLE					VISUAL CLASSIFICATION and Remarks	SOIL PROPERTIES				
No.	Rec (in.)	Moist	N	Depth (ft)		qu (qa) (tsf)	W	LL	PL	LI
				0	8 in. Asphalt Pavement/7 in. Base Course					
1	0	M	11	1	FILL: Medium Dense, Brown Sand and Gravel with Silt					
2	8	M	4	5	Loose to Very Loose, Black Sedimentary PEAT (PT)		121.9			32.0
3	6	M	7	7	Loose, Gray Fine SAND, Some Silt, Trace Gravel and Clay (SM)					
4	16	W	28	10	Medium Dense, Light Brown to Gray Fine SAND, Some Silt, Little Gravel (SM)					
5	14	W	8	15	Loose, Brown to Gray Sandy SILT, Trace Gravel and Clay (ML)					
				15	End of Boring at 15 ft					
					Borehole Backfilled with Bentonite Chips and Asphalt Patch					
				20						

WATER LEVEL OBSERVATIONS

While Drilling ∇ 8.5' Upon Completion of Drilling _____
 Time After Drilling _____ 15 min.
 Depth to Water _____ 6.9' ∇
 Depth to Cave in _____ 7.5'

GENERAL NOTES

Start 6/14/17 End 6/14/17
 Driller BSD Chief MC Rig CME-55
 Logger MG Editor ESF
 Drill Method 2-1/4" HSA; Autohammer

The stratification lines represent the approximate boundary between soil types and the transition may be gradual.



LOG OF TEST BORING

Project Isthmus North Streets
 Location Blair: 130'NW of Mifflin, 8'SE of CL
City of Madison, Dane County, WI

Boring No. 10
 Surface Elevation (ft) 850±
 Job No. C17051-14
 Sheet 1 of 1

2921 Perry Street, Madison, WI 53713 (608) 288-4100, FAX (608) 288-7887

SAMPLE					VISUAL CLASSIFICATION and Remarks	SOIL PROPERTIES				
No.	TYPE	Rec (in.)	Moist	N		Depth (ft)	qu (qa) (tsf)	W	LL	PL
					8 in. Asphalt Pavement/7 in. Concrete Pavement/ 11 in. Base Course					
1		8	M	16	FILL: Medium Dense, Brown Sand with Silt and Gravel					
2		8	M/W	4	Very Loose to Loose, Brown Sandy SILT, Trace to Little Gravel (ML)					
3		16	M/W	5	Soft to Very Soft, Gray Lean CLAY, Some Sand (CL)	(0.25)				
4		18	W	11	Medium Dense, Brown to Gray Fine to Coarse SAND, Some Gravel, Little to Some Silt (SP-SM/SM)					
5		18	W	8	Loose, Brown and Gray Silty Fine SAND, Trace Gravel, Occasional Clay Lenses (SM)					
					End of Boring at 15 ft					
					Borehole Backfilled with Bentonite Chips and Asphalt Patch					

WATER LEVEL OBSERVATIONS

While Drilling ∇ 7.5' Upon Completion of Drilling _____
 Time After Drilling _____ 15 min.
 Depth to Water _____ ∇
 Depth to Cave in _____ 4'

GENERAL NOTES

Start 6/14/17 End 6/14/17
 Driller BSD Chief MC Rig CME-55
 Logger MG Editor ESF
 Drill Method 2-1/4" HSA; Autohammer

The stratification lines represent the approximate boundary between soil types and the transition may be gradual.



LOG OF TEST BORING

Project Isthmus North Streets
 Blair: 50'NW of Washington, 17'SW of CL
 Location City of Madison, Dane County, WI

Boring No. 11
 Surface Elevation (ft) _____
 Job No. C17051-14
 Sheet 1 of 1

2921 Perry Street, Madison, WI 53713 (608) 288-4100, FAX (608) 288-7887

SAMPLE					VISUAL CLASSIFICATION and Remarks	SOIL PROPERTIES				
No.	Rec (in.)	Moist	N	Depth (ft)		qu (qa) (tsf)	W	LL	PL	LI
					6 in. Asphalt Pavement/6.5 in. Base Course					
1	6	M	10		FILL: Very Stiff, Brown Clay	(2.25)				
2	8	M	10		FILL: Medium Dense, Brown Clayey Sand with Occasional Gravel					
3	2	M	24		Medium Dense, Brown Fine to Medium SAND, Some Silt and Gravel, Scattered Cobbles/Boulders (SM)					
4	12	W	14							
5	14	W	45		Dense to Very Dense Beginning Near 11 ft					
6	14	W	74							
					End of Boring at 15 ft					
					Borehole Backfilled with Bentonite Chips and Asphalt Patch					

WATER LEVEL OBSERVATIONS

While Drilling ∇ 8.5' Upon Completion of Drilling _____
 Time After Drilling _____ 15 min.
 Depth to Water _____ 10.8' ∇
 Depth to Cave in _____ 10.9'

GENERAL NOTES

Start 6/14/17 End 6/14/17
 Driller BSD Chief MC Rig CME-55
 Logger MG Editor ESF
 Drill Method 2-1/4" HSA; Autohammer

The stratification lines represent the approximate boundary between soil types and the transition may be gradual.



LOG OF TEST BORING

Project Isthmus North Streets
Blair: 3'S of B11
 Location City of Madison, Dane County, WI

Boring No. 11X
 Surface Elevation (ft) 857±
 Job No. C17051-14
 Sheet 1 of 1

2921 Perry Street, Madison, WI 53713 (608) 288-4100, FAX (608) 288-7887

SAMPLE					VISUAL CLASSIFICATION and Remarks	SOIL PROPERTIES					
No.	TYPE	Rec (in.)	Moist	N		Depth (ft)	q _u (qa) (tsf)	W	LL	PL	LI
					5						
					5	6 in. Asphalt Pavement/6.5 in. Base Course					
1		12	M	23		FILL: Medium Dense, Brown Sand and Gravel					
2		10	M	22		Orange-Brown Crushed Sandstone Noted Near 4.5 ft					
					5	Terminated Boring at 5 ft Due to Unknown Unmarked Obstruction					
						Borehole Backfilled with Soil Cuttings and Asphalt Patch					
						Moved 3' South and performed B11					
					10						
					15						
					20						

WATER LEVEL OBSERVATIONS

While Drilling NW Upon Completion of Drilling _____
 Time After Drilling _____
 Depth to Water _____
 Depth to Cave in _____

GENERAL NOTES

Start 6/14/17 End 6/14/17
 Driller BSD Chief MC Rig CME-55
 Logger MG Editor ESF
 Drill Method 2-1/4" HSA; Autohammer

The stratification lines represent the approximate boundary between soil types and the transition may be gradual.



Department of Public Works
Engineering Division
Robert F. Phillips, P.E., City Engineer

City-County Building, Room 115
210 Martin Luther King, Jr. Boulevard
Madison, Wisconsin 53703
Phone: (608) 266-4751
Fax: (608) 264-9275
engineering@cityofmadison.com
www.cityofmadison.com/engineering

Assistant City Engineer
Gregory T. Fries, P.E.
Kathleen M. Cryan

Principal Engineer 2
Christopher J. Petykowski, P.E.
John S. Fahrney, P.E.

Principal Engineer 1
Christina M. Bachmann, P.E.
Eric L. Dundee, P.E.

Facilities & Sustainability
Jeanne E. Hoffman, Manager

Mapping Section Manager
Eric T. Pederson, P.S.

Financial Manager
Steven B. Danner-Rivers

October 18, 2017

**NOTICE OF ADDENDUM:
ADDENDUM 1**

**CONTRACT NO. 7976
NORTH BLAIR STREET RECONSTRUCTION ASSESSMENT DISTRICT - 2017**

Revise and amend the contract document(s) for the above project as stated in this addendum, otherwise, the original document shall remain in effect.

Revise and amend the contract document(s) for the above project as stated in this addendum, otherwise, the original document shall remain in effect.

PLANS:

REMOVE

- Remove Sheets EC-1 thru EC-3, P-3, U-3, W-3, E-1 & E-2

INSERT

- Insert Sheets EC-1 thru EC-3, P-3, U-3, W-3, E-1 & E-2 (addendum 10/18/17)
 - EC-1 thru EC-3: Revises construction entrance locations.
 - P-3, U-3, W-3, E-1 & E-2: Revised to include trench patches and Milling and overlaying of Gorham Street intersection.

SPECIAL PROVISIONS:

Remove and replace pages D-9 and D-10. This revision removes references to electrical Bid Item numbers that are not included in the contract.

PROPOSAL:

A summary of the changes to the proposal is as follows:

Action	Bid Item	Description	Quantity	Units
ADD ITEM	40301	FULL WIDTH GRINDING	265	S.Y.
ADD ITEM	50225	UTILITY TRENCH PATCH TYPE III	90	T.F.
MODIFY Quantity	21011	CONSTRUCTION ENTRANCE	4	EACH

October 18, 2017

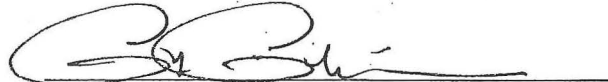
Page 2

Please acknowledge this addendum on page E1 of the contract documents and/or in Section E: Bidder's Acknowledgement on Bid Express.

Electronic version of these documents can be found on the Bid Express web site at:

<http://www.bidexpress.com>

If you are unable to download plan revisions associated with the addendum, please contact the Engineering office at 608-266-4751 receive the material by another route.

A handwritten signature in black ink, appearing to read 'R. Phillips', is written over a solid horizontal line.

Robert F. Phillips, P.E., City Engineer

RFP: gey

lateral at the property line. Any extra sidewalk removal will not be compensated to the Contractor looking for an existing sanitary lateral at the property line. Contractors are encouraged to have a locator device on-site if they intend to start laying lateral pipe at the property line to minimize the amount of extra sidewalk removal.

Proposed sanitary lateral locations near trees are subject to change based upon data obtained in the field and property owner involvement. Excavation near trees shall comply with Article 107.13 of the Standard Specifications. If 5 ft of separation from the tree to the excavation cannot be maintained, lateral replacement shall stop at the curb upon approval by the construction engineer.

BID ITEM 50354 RECONNECT

The first 5 feet of pipe shall be included with this bid item regardless of pipe type or fittings used. Beyond 5 feet shall be paid for separately under Bid Item 50353- SANITARY SEWER LATERAL.

The first 5 feet of sanitary sewer lateral pipe/ fittings measured from the sewer main shall be considered the reconnect for all sewer lateral reconnections.

BID ITEM 50390 SEWER ELECTRONIC MARKERS

With regard to the City of Madison Standard Specifications for Public Works Construction, Latest Edition Article 503.3(c), each sanitary sewer lateral shall have a minimum of two (2) electronic markers with the City providing the Contractor with the required number of electronic markers. For sanitary sewer laterals which only include the installation of a wye, a marker ball shall be installed directly above the wye connection to the main.

BID ITEM 50801 UTILITY LINE OPENING (ULO)

The work under this item shall be completed in accordance with Article 508 of the Standard Specifications for Public Works Construction, Latest Edition. It is the discretion of the contractor to locate utilities by either a trench excavation or by a pothole technique. However, the contractor shall not be compensated more than once for multiple utilities located within a maximum distance of five (5) feet long.

SECTION 601 ELECTRICAL, GENERAL REQUIREMENTS

The existing signal and lighting poles, conduits, handholes, and manholes not scheduled for removal or abandonment shall be protected during construction. If the contractor believes that damage to such facilities is unavoidable, the contractor shall not damage or remove any facilities until the City Traffic Engineering electrical inspector has reviewed and approved such actions. Any damage or removal of City electrical conduit, wire, fiber, or structures, without the specific approval by the City Traffic Engineering electrical inspector shall be promptly repaired or replaced by and at the expense of the contractor. The City may elect to do repair work with City crews. The cost for any repair work done by the City will be billed to the contractor.

Any damage or removal of City street lighting facilities shall be repaired or replaced within 24 hours, but any resulting street light outage resulting from such damage or removal shall be confined to as few numbers of street lights as possible. The streetlight circuits shall remain operational each and every night. If any street light outage continues beyond 24 hours, the City shall have the right to make temporary or permanent repairs, with the full cost of such work, including engineering time, billed to the general contractor.

The City of Madison Traffic Engineering Division will install new streetlight and signal poles as necessary and install wire for new street lighting and traffic signal operation. The contractor shall install and maintain temporary street lighting and wood poles required for temporary traffic signal equipment to keep lighting and signals operating during construction as described in bid item 90103.

Unless a traffic signal or street light pole or base is specifically designated for removal, it shall be saved. Unless a manhole, handhole or conduit is specifically designated for removal, it shall be saved.

SECTION 601.10 MATERIALS FURNISHED BY THE CITY OF MADISON

The following electrical materials will be furnished to the Contractor at the Traffic Operations Shop, 1120 Sayle Street. The Contractor shall notify the Traffic Operations Shop (Dennis Rowe at 266-9034) twenty four (24) hours prior to picking up any materials.

ITEM	Quantity
3/4" x 19" Anchor Bolts	8
1 1/4" x 48" Anchor Bolts	20
1 1/4" x 48" Anchor Bolts	12

SECTION 602.4(b) ELECTRICAL CONDUIT

Item 60241, Gopher Raceway, shall include any and all work associated with determining locations of existing utilities, such as underground locates. Item 60241 shall include raceways created by pushing, gophering or boring. The measured quantity will only include distances installed directly underneath curb and gutter, roadway, and sidewalk sections that are not removed or constructed with this project. Minor alterations in conduit location may be made by the City Traffic Engineering Electrical Inspector to avoid gopher installation.

Where curb and gutter is being replaced, the new conduit to be installed parallel to the curb and gutter shall be placed according to the Typical Conduit Installation detail shown on the plan sheet. When existing utilities preclude placing conduit as shown in the detail, the conduit shall be placed under the curb or as close to the curb as possible.

When curb and gutter is not being replaced, the new conduit to be installed parallel to the curb and gutter shall be placed in the roadway, three feet from the edge of gutter, and as approved by the City Traffic Engineering Electrical Inspector.

Entering existing manholes shall be made by watertight methods. The cost for drilling holes in manholes and resealing such openings after the conduit is installed shall be considered incidental to the electrical conduit bid item.

ARTICLE 607 ELECTRICAL HANDHOLES

The contractor shall furnish Type 1 handholes conforming to this section and the Standard Detail Drawings.

Electrical Handhole, Type 1 shall be gray colored polymer concrete construction. Box dimensions for Type 1 shall be 19" wide X 32" long X 24" deep and come with a cover rated to withstand 15,000 lbs over a 10" square with a minimum test load of 22,568 lbs.

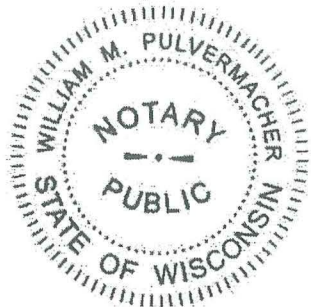
SECTION E: BIDDERS ACKNOWLEDGEMENT

NORTH BLAIR STREET RECONSTRUCTION ASSESSMENT DISTRICT - 2017
CONTRACT NO. 7976

Bidder must state a Unit Price and Total Bid for each item. The Total Bid for each item must be the product of quantity, by Unit Price. The Grand Total must be the sum of the Total Bids for the various items. In case of multiplication errors or addition errors, the Grand Total with corrected multiplication and/or addition shall determine the Grand Total bid for each contract. The Unit Price and Total Bid must be entered numerically in the spaces provided. All words and numbers shall be written in ink.

1. The undersigned having familiarized himself/herself with the Contract documents, including Advertisement for Bids, Instructions to Bidders, Form of Proposal, City of Madison Standard Specifications for Public Works Construction - 2017 Edition thereto, Form of Agreement, Form of Bond, and Addenda issued and attached to the plans and specifications on file in the office of the City Engineer, hereby proposes to provide and furnish all the labor, materials, tools, and expendable equipment necessary to perform and complete in a workmanlike manner the specified construction on this project for the City of Madison; all in accordance with the plans and specifications as prepared by the City Engineer, including Addenda Nos. 1 through 7 to the Contract, at the prices for said work as contained in this proposal. (Electronic bids submittals shall acknowledge addendum under Section E and shall not acknowledge here)
2. If awarded the Contract, we will initiate action within seven (7) days after notification or in accordance with the date specified in the contract to begin work and will proceed with diligence to bring the project to full completion within the number of work days allowed in the Contract or by the calendar date stated in the Contract.
3. The undersigned Bidder or Contractor certifies that he/she is not a party to any contract, combination in form of trust or otherwise, or conspiracy in restraint of trade or commerce or any other violation of the anti-trust laws of the State of Wisconsin or of the United States, with respect to this bid or contract or otherwise.
4. I hereby certify that I have met the Bid Bond Requirements as specified in Section 102.5. (IF BID BOND IS USED, IT SHALL BE SUBMITTED ON THE FORMS PROVIDED BY THE CITY. FAILURE TO DO SO MAY RESULT IN REJECTION OF THE BID).
5. I hereby certify that all statements herein are made on behalf of S+L Underground, Inc. (name of corporation, partnership, or person submitting bid) a corporation organized and existing under the laws of the State of Wisconsin a partnership consisting of _____; an individual trading as _____; of the City of _____ State of _____; that I have examined and carefully prepared this Proposal, from the plans and specifications and have checked the same in detail before submitting this Proposal; that I have fully authority to make such statements and submit this Proposal in (its, their) behalf; and that the said statements are true and correct.

B22e
 SIGNATURE
President
 TITLE, IF ANY



Sworn and subscribed to before me this 20 day of October, 2017
William M. Pulvermacher

(Notary Public or other officer authorized to administer oaths)
 My Commission Expires 4-2-18
 Bidders shall not add any conditions or qualifying statements to this Proposal.

Contract 7976 – S&L Underground, Inc.

Section F: Best Value Contracting (BVC)

This section is a required document for the bid to be considered complete. There are two methods for completing the Best Value Contracting (BVC) form. Method one: The form can be filled out online and submitted to this site to be included with your electronic bid. Method two: The form can be downloaded from the site and submitted by hand to the City of Madison.

Method of Submittal for BVC (click in box below to choose) *

I will submit Bid Express fillable online form (BVC).

Best Value Contracting

1. The Contractor shall indicate the non-apprenticeable trades used on this contract.

2. Madison General Ordinance (M.G.O.), 33.07(7), does provide for some exemptions from the active apprentice requirement. Apprenticeable trades are those trades considered apprenticeable by the State of Wisconsin. Please check applicable box if you are seeking an exemption.

- Contractor has a total skilled workforce of four or less individuals in all apprenticeable trades combined.
- No available trade training program; The Contractor has been rejected by the only available trade training program, or there is no trade training program within 90 miles.
- Contractor is not using an apprentice due to having a journey worker on layoff status, provided the journey worker was employed by the contractor in the past six months.
- First time contractor on City of Madison Public Works contract requests a onetime exemption but intends to comply on all future contracts and is taking steps typical of a "good faith" effort.
- Contractor has been in business less than one year.
- Contractor doesn't have enough journeyman trade workers to qualify for a trade training program in that respective trade.
- An exemption is granted in accordance with a time period of a "Documented Depression" as defined by the State of Wisconsin.

3. The Contractor shall indicate on the following section which apprenticeable trades are to be used on this contract. Compliance with active apprenticeship, to the extent required by M.G.O. 33.07(7), shall be satisfied by documentation from an applicable trade training body; an apprenticeship contract with the Wisconsin Department of Workforce Development or a similar agency in another state; or the U.S Department of Labor. This documentation is required prior to the Contractor beginning work on the project site.

- The Contractor has reviewed the list and shall not use any apprenticeable trades on this project.

LIST APPRENTICABLE TRADES (check all that apply to your work to be performed on this contract)

- BRICKLAYER
- CARPENTER
- CEMENT MASON / CONCRETE FINISHER
- CEMENT MASON (HEAVY HIGHWAY)
- CONSTRUCTION CRAFT LABORER
- DATA COMMUNICATION INSTALLER
- ELECTRICIAN
- ENVIRONMENTAL SYSTEMS TECHNICIAN / HVAC SERVICE TECH/HVAC INSTALL / SERVICE
- GLAZIER
- HEAVY EQUIPMENT OPERATOR / OPERATING ENGINEER
- INSULATION WORKER (HEAT and FROST)
- IRON WORKER
- IRON WORKER (ASSEMBLER, METAL BLDGS)
- PAINTER and DECORATOR
- PLASTERER
- PLUMBER
- RESIDENTIAL ELECTRICIAN
- ROOFER and WATER PROOFER
- SHEET METAL WORKER
- SPRINKLER FITTER
- STEAMFITTER
- STEAMFITTER (REFRIGERATION)
- STEAMFITTER (SERVICE)
- TAPER and FINISHER
- TELECOMMUNICATIONS (VOICE, DATA and VIDEO) INSTALLER-TECHNICIAN
- TILE SETTER

NORTH BLAIR STREET RECONSTRUCTION ASSESSMENT DISTRICT - 2017
CONTRACT NO. 7976

Small Business Enterprise Compliance Report

This information may be submitted electronically through
Bid Express or submitted with bid in sealed envelope.

Cover Sheet

Prime Bidder Information

Company: S+L Underground, Inc.
Address: W10440 Cty Rd K, P.O. Box 1167 Lodi, WI 53555
Telephone Number: 608-592-0625 Fax Number: 608-592-3804
Contact Person/Title: Bill Pulvermacher / Sr. Estimator

Prime Bidder Certification

I, Ben Larrabee, President of
Name Title
S+L Underground, Inc. certify that the information
Company

contained in this SBE Compliance Report is true and correct to the best of my knowledge and belief.

[Signature]
Witness Signature

[Signature]
Bidder's Signature

10/20/2017
Date



**NORTH BLAIR STREET RECONSTRUCTION ASSESSMENT DISTRICT - 2017
CONTRACT NO. 7976**

Small Business Enterprise Compliance Report

Summary Sheet

SBE Subcontractors Who Are NOT Suppliers

Name(s) of SBEs Utilized	Type of Work	% of Total Bid Amount
		%
ASTI	Sawcutting	.36 %
		%
JR's Const	Erosion + Landscape	3.4 %
		%
Bullet Transit	Trucking	3.5 %
		%
		%
		%
		%
		%
		%
		%
Subtotal SBE who are NOT suppliers:		<u>7.26</u> %

SBE Subcontractors Who Are Suppliers

Name(s) of SBEs Utilized	Type of Work	% of Total Bid Amount
		%
		%
		%
		%
		%
		%
		%
Subtotal Contractors who are suppliers:		_____ % x 0.6 = _____ % (discounted to 60%)
Total Percentage of SBE Utilization:		<u>7.26</u> %.

NORTH BLAIR STREET RECONSTRUCTION ASSESSMENT DISTRICT - 2017

CONTRACT NO. 7976

DATE: 10/20/17

S&L Underground, Inc.

Item	Quantity	Price	Extension
Section B: Proposal Page			
10701.0 - TRAFFIC CONTROL - LS	1.00	\$7,300.00	\$7,300.00
10720.0 - TRAFFIC CONTROL SIGN-PORTABLE ARROW BOARD - DAYS	81.00	\$10.00	\$810.00
10721.0 - TRAFFIC CONTROL SIGN - PORTABLE CHANGEABLE MESSAGE - DAYS	14.00	\$50.00	\$700.00
10801.0 - ROOT CUTTING - CURB & GUTTER - LF	150.00	\$18.00	\$2,700.00
10802.0 - ROOT CUTTING - SIDEWALK - LF	150.00	\$18.00	\$2,700.00
10911.0 - MOBILIZATION - LS	1.00	\$89,000.00	\$89,000.00
20101.0 - EXCAVATION CUT	- CY 3266.00	\$21.50	\$70,219.00
20140.0 - GEOTEXTILE FABRIC TYPE SAS (NON-WOVEN) - SY	1500.00	\$3.00	\$4,500.00
20219.0 - BREAKER RUN - TON	1850.00	\$17.00	\$31,450.00
20221.0 - TOPSOIL - SY	1620.00	\$6.00	\$9,720.00
20301.0 - SAWCUT CONCRETE PAVEMENT, FULL DEPTH - LF	2100.00	\$2.25	\$4,725.00
20303.0 - SAWCUT BITUMINOUS PAVEMENT, FULL DEPTH - LF	255.00	\$1.50	\$382.50
20321.0 - REMOVE CONCRETE PAVEMENT - SY	3825.00	\$7.00	\$26,775.00
20322.0 - REMOVE CONCRETE CURB & GUTTER - LF	1430.00	\$3.70	\$5,291.00
20323.0 - REMOVE CONCRETE SIDEWALK & DRIVE - SF	6290.00	\$3.20	\$20,128.00
20401.0 - CLEARING - I.D.	190.00	\$50.00	\$9,500.00
20403.0 - GRUBBING - I.D.	190.00	\$50.00	\$9,500.00
20701.0 - TERRACE SEEDING - SY	1620.00	\$2.00	\$3,240.00
21063.0 - EROSION MATTING, CLASS I, TYPE A - ORGANIC - SY	1620.00	\$3.00	\$4,860.00
30201.0 - TYPE 'A' CONCRETE CURB & GUTTER - LF	1240.00	\$20.00	\$24,800.00
30203.0 - TYPE 'X' CONCRETE CURB & GUTTER - LF	40.00	\$50.00	\$2,000.00
30208.0 - HAND FORMED CONCRETE CURB & GUTTER (TREE & DRIVEWAY LOCATIONS) - LF	150.00	\$32.00	\$4,800.00
30301.0 - 5" CONCRETE SIDEWALK - SF	4570.00	\$7.15	\$32,675.50
30302.0 - 7" CONCRETE SIDEWALK AND DRIVE - SF	1720.00	\$7.15	\$12,298.00
30311.0 - CONCRETE MOUNTABLE MEDIAN ISLAND NOSE - SF	30.00	\$15.00	\$450.00
30340.0 - CURB RAMP DETECTABLE WARNING FIELD - SF	40.00	\$36.00	\$1,440.00
40101.0 - CRUSHED AGGREGATE BASE COURSE, GRADATION 1 - TON	2300.00	\$19.50	\$44,850.00
40102.0 - CRUSHED AGGREGATE BASE COURSE, GRADATION 2 - TON	2900.00	\$19.50	\$56,550.00
40203.0 - HMA PAVEMENT TYPE E-3 - TON	1760.00	\$60.00	\$105,600.00
40211.0 - BITUMINOUS TACK COAT - GAL	180.00	\$3.00	\$540.00
40231.0 - ASPHALT DRIVE & TERRACE - SY	100.00	\$32.00	\$3,200.00
60801.0 - PAVEMENT MARKING EPOXY, DOUBLE LINE, 4-INCH - L.F.	200.00	\$3.00	\$600.00
60802.0 - PAVEMENT MARKING EPOXY, LINE, 6-INCH - L.F.	200.00	\$2.40	\$480.00
60803.0 - PAVEMENT MARKING EPOXY, LINE, 8-INCH - L.F.	210.00	\$3.60	\$756.00
60812.0 - PAVEMENT MARKING EPOXY, CROSSWALK, 6-INCH - L.F.	800.00	\$6.20	\$4,960.00
60816.0 - PAVEMENT MARKING EPOXY, CONTINENTAL CROSSWALK, 18-INCH - L.F.	120.00	\$7.60	\$912.00
60818.0 - PAVEMENT MARKING EPOXY, STOP LINE, 24-INCH - L.F.	160.00	\$9.00	\$1,440.00
60822.0 - PAVEMENT MARKING EPOXY, SYMBOL, BIKE SHARROW - EACH	1.00	\$200.00	\$200.00
60826.0 - PAVEMENT MARKING EPOXY, SYMBOL, BIKE LANE & STRAIGHT ARROW - EACH	1.00	\$100.00	\$100.00
60829.0 - PAVEMENT MARKING EPOXY, SYMBOL, LEFT ARROW - EACH	2.00	\$160.00	\$320.00

NORTH BLAIR STREET RECONSTRUCTION ASSESSMENT DISTRICT - 2017

CONTRACT NO. 7976

DATE: 10/20/17

S&L Underground, Inc.

Item	Quantity	Price	Extension
60832.0 - PAVEMENT MARKING EPOXY, SYMBOL, STRAIGHT & LEFT ARROW - EACH	2.00	\$188.00	\$376.00
60833.0 - PAVEMENT MARKING EPOXY, SYMBOL, STRAIGHT & RIGHT ARROW - EACH	2.00	\$188.00	\$376.00
60834.0 - PAVEMENT MARKING EPOXY, WORD, ONLY - EACH	2.00	\$200.00	\$400.00
90001.0 - HIGH FRICTION MMA COLORED SURFACE - GREEN - SF	200.00	\$15.00	\$3,000.00
90002.0 - MONOLITHIC CONCRETE MEDIAN ISLAND - COLORED - SF	160.00	\$13.20	\$2,112.00
90003.0 - MAINTAIN TEMPORARY BICYCLE ACCESS - DAYS	81.00	\$125.00	\$10,125.00
90004.0 - SIGNS REFLECTIVE TYPE I - SF	150.00	\$25.00	\$3,750.00
90005.0 - OVERHEAD SIGN SUPPORT - EACH	1.00	\$51,500.00	\$51,500.00
10702.0 - TRAFFIC CONTROL FOR STORM SEWER INSTALLATION - LUMP SUM	1.00	\$1,825.00	\$1,825.00
20217.0 - CLEAR STONE - TON	1180.00	\$21.00	\$24,780.00
20313.0 - REMOVE INLET - EACH	4.00	\$540.00	\$2,160.00
20335.0 - ABANDON SEWER PIPE WITH SLURRY - C.Y.	6.00	\$600.00	\$3,600.00
21002.0 - EROSION CONTROL INSPECTION - EACH	2.00	\$500.00	\$1,000.00
21011.0 - CONSTRUCTION ENTRANCE - EACH	4.00	\$966.00	\$3,864.00
21012.0 - STREET CONSTRUCTION ENTRANCE BERM - EACH	3.00	\$340.00	\$1,020.00
21013.0 - STREET SWEEPING - LUMP SUM	1.00	\$5,400.00	\$5,400.00
21015.0 - STREET CONSTRUCTION STONE BERM - EACH	11.00	\$340.00	\$3,740.00
21017.0 - SILT SOCK (8 INCH) - COMPLETE - L.F.	30.00	\$10.00	\$300.00
21032.0 - INLET PROTECTION, TYPE C - PROVIDE & INSTALL - EACH	21.00	\$80.00	\$1,680.00
21033.0 - INLET PROTECTION, TYPE C - MAINTAIN - EACH	42.00	\$50.00	\$2,100.00
21034.0 - INLET PROTECTION, TYPE C - REMOVE - EACH	21.00	\$25.00	\$525.00
21056.0 - INLET PROTECTION TYPE D HYBRID - PROVIDE & INSTALL - EACH	8.00	\$180.00	\$1,440.00
21057.0 - INLET PROTECTION TYPE D HYBRID - MAINTAIN - EACH	16.00	\$65.00	\$1,040.00
21058.0 - INLET PROTECTION TYPE D HYBRID - REMOVE - EACH	8.00	\$40.00	\$320.00
50211.0 - SELECT FILL FOR STORM SEWER MAIN - L.F.	313.50	\$0.01	\$3.14
50401.0 - 12 INCH TYPE I RCP STORM SEWER PIPE - L.F.	194.00	\$89.00	\$17,266.00
50405.0 - 24 INCH TYPE I RCP STORM SEWER PIPE - L.F.	119.50	\$106.00	\$12,667.00
50499.0 - CONCRETE COLLAR - EACH	1.00	\$890.00	\$890.00
50723.0 - 3'X3' STORM SAS - EACH	1.00	\$3,200.00	\$3,200.00
50741.0 - TYPE H INLET - EACH	8.00	\$2,310.00	\$18,480.00
50792.0 - STORM SEWER TAP - EACH	5.00	\$1,190.00	\$5,950.00
50801.0 - UTILITY LINE OPENING (ULO) - EACH	25.00	\$740.00	\$18,500.00
90030.0 - RECONSTRUCT CATCHBASIN TO SAS CASTING - EACH	1.00	\$7,670.00	\$7,670.00
10704.0 - TRAFFIC CONTROL FOR SANITARY SEWER CONSTRUCTION - LUMP SUM	1.00	\$1,300.00	\$1,300.00
20311.0 - REMOVE SEWER ACCESS STRUCTURE - EACH	9.00	\$900.00	\$8,100.00
20314.0 - REMOVE PIPE - L.F.	204.00	\$40.00	\$8,160.00
20336.0 - PIPE PLUG (UNDISTRIBUTED) - EACH	2.00	\$250.00	\$500.00
20501.0 - ADJUST SEWER ACCESS STRUCTURE - EACH	4.00	\$381.00	\$1,524.00
50103.0 - RECONSTRUCT BENCH AND FLOWLINE(S) - EACH	2.00	\$702.00	\$1,404.00
50202.0 - TYPE II DEWATERING - LUMP SUM	1.00	\$1.00	\$1.00
50212.0 - SELECT FILL FOR SANITARY SEWER MAIN - T.F.	2218.00	\$0.01	\$22.18
50301.0 - 8" PVC SANITARY SEWER PIPE - L.F.	550.00	\$115.00	\$63,250.00
50302.0 - 10" PVC SANITARY SEWER PIPE - L.F.	543.00	\$160.00	\$86,880.00
50322.0 - 10" PVC PRESSURE SANITARY SEWER PIPE - L.F.	50.00	\$172.00	\$8,600.00
50353 - SANITARY SEWER LATERAL SDR-35 - L.F.	1075.00	\$41.00	\$44,075.00
50354.0 - RECONNECT SANITARY LATERAL - EACH	38.00	\$3,000.00	\$114,000.00
50361.0 - WASTEWATER CONTROL - LUMP SUM	1.00	\$2,400.00	\$2,400.00

NORTH BLAIR STREET RECONSTRUCTION ASSESSMENT DISTRICT - 2017

CONTRACT NO. 7976

DATE: 10/20/17

S&L Underground, Inc.

Item	Quantity	Price	Extension
50390.0 - SEWER ELECTRONIC MARKERS - EACH	100.00	\$75.00	\$7,500.00
50701.0 - 4' DIA. SANITARY SAS - EACH	7.00	\$3,450.00	\$24,150.00
50791.0 - SANITARY SEWER TAP - EACH	4.00	\$1,540.00	\$6,160.00
50802.0 - CONCRETE SUPPORTS - EACH	4.00	\$2,100.00	\$8,400.00
60222.0 - FURNISH & INSTALL 3 INCH PVC (SCHEDULE 80) CONDUIT BY "OPEN TRENCH" METHOD - LF	63.00	\$6.00	\$378.00
60411.0 - CONSTRUCT TYPE "G" BASE - EACH	2.00	\$691.00	\$1,382.00
60423.0 - REMOVE TRAFFIC SIGNAL BASE - EACH	2.00	\$123.00	\$246.00
90100.0 - CABLE TRAFFIC SIGNAL 5-14 AWG - LF	222.00	\$1.00	\$222.00
60229.0 - FURNISH & INSTALL 2 INCH PVC (SCHEDULE 40) CONDUIT BY "OPEN TRENCH" METHOD - LF	580.00	\$3.90	\$2,262.00
60231.0 - FURNISH & INSTALL 2 INCH PVC (SCHEDULE 80) CONDUIT BY "OPEN TRENCH" METHOD - LF	707.00	\$4.22	\$2,983.54
60241.0 - GOPHER RACEWAY FOR ELECTRICAL CONDUIT OR CABLE- IN-DUCT - LF	215.00	\$19.00	\$4,085.00
60253.0 - FURNISH & INSTALL 3#4 AND 1#8 WIRES IN EXISTING OR CONTRACTOR INSTALLED CONDUIT - LF	1166.00	\$7.10	\$8,278.60
60261.0 - ELECTRICAL TRENCH - LF	1082.00	\$1.84	\$1,990.88
60403.0 - CONSTRUCT LB-3 BASE - EACH	5.00	\$792.00	\$3,960.00
60407.0 - CONSTRUCT LB-8 BASE - EACH	1.00	\$792.00	\$792.00
60409.0 - CONSTRUCT OFFSET BASE - EACH	1.00	\$1,195.00	\$1,195.00
60421.0 - REMOVE STREET LIGHT BASE - EACH	8.00	\$123.00	\$984.00
60422.0 - REMOVE STREET LIGHT POLE - EACH	8.00	\$212.00	\$1,696.00
60427.0 - REMOVE ELECTRICAL HANDHOLE - EACH	1.00	\$62.00	\$62.00
60702.0 - CONSTRUCT ELECTRICAL HANDHOLE TYPE 1 - EACH	3.00	\$1,701.00	\$5,103.00
90101.0 - ELECTRICAL WIRE LIGHTING 10 AWG - LF	428.00	\$0.65	\$278.20
90102.0 - ELECTRICAL WIRE LIGHTING UF 14-3 GROUNDED - LF	210.00	\$1.20	\$252.00
90103.0 - MAINTAIN STREET LIGHT AND SUPPORT STRUCTURES FOR TEMPORARY LIGHTING - LUMP SUM	1.00	\$35,410.00	\$35,410.00
10703.0 - TRAFFIC CONTROL FOR WATER MAIN INSTALLATION - LUMP SUM	1.00	\$1,400.00	\$1,400.00
70001.0 - FURNISH AND INSTALL 4 INCH PIPE & FITTINGS - L.F.	10.00	\$180.00	\$1,800.00
70002.0 - FURNISH AND INSTALL 6 INCH PIPE & FITTINGS - L.F.	25.00	\$138.00	\$3,450.00
70003.0 - FURNISH AND INSTALL 8 INCH PIPE & FITTINGS - L.F.	3.00	\$145.00	\$435.00
70004.0 - FURNISH AND INSTALL 10 INCH PIPE & FITTINGS - L.F.	280.00	\$124.00	\$34,720.00
70030.0 - FURNISH AND INSTALL 4-INCH WATER VALVE - EACH	1.00	\$1,360.00	\$1,360.00
70031.0 - FURNISH AND INSTALL 6-INCH WATER VALVE - EACH	2.00	\$1,625.00	\$3,250.00
70033.0 - FURNISH AND INSTALL 10-INCH WATER VALVE - EACH	3.00	\$2,885.00	\$8,655.00
70040.0 - FURNISH, INSTALL AND SALVAGE HYDRANT - EACH	2.00	\$4,455.00	\$8,910.00
70053.0 - REPLACE 1-INCH COPPER SERVICE LATERAL - EACH	1.00	\$4,010.00	\$4,010.00
70056.0 - RECONNECT 1-INCH SERVICE LATERAL - EACH	5.00	\$1,094.00	\$5,470.00
70080.0 - CUT-IN OR CONNECT TO EXISTING WATER SYSTEM - EACH	5.00	\$2,250.00	\$11,250.00
70082.0 - CUT OFF EXISTING WATER MAIN - EACH	2.00	\$1,860.00	\$3,720.00
70090.0 - ABANDON WATER VALVE BOX - EACH	4.00	\$230.00	\$920.00
70101.0 - FURNISH AND INSTALL INSULATION - L.F.	40.00	\$15.00	\$600.00
70104.0 - ADJUST WATER VALVE BOX - EACH	12.00	\$400.00	\$4,800.00
70105.0 - PIPE PLUG FOR WATER MAIN INSTALLATION - EACH	2.00	\$165.00	\$330.00
40301 - FULL WIDTH GRINDING - S.Y.	265.00	\$20.00	\$5,300.00
50225 - UTILITY TRENCH PATCH TYPE III - T.F.	90.00	\$76.00	\$6,840.00
129 Items	Totals		\$1,378,737.54

SECTION G: BID BOND

KNOW ALL MEN BY THESE PRESENT, THAT Principal and Surety, as identified below, are held and firmly bound unto the City of Madison, (hereinafter referred to as the "Obligee"), in the sum of five per cent (5%) of the amount of the total bid or bids of the Principal herein accepted by the Obligee, for the payment of which the Principal and the Surety bind themselves, their heirs, executors, administrators, successors and assigns, jointly and severally, firmly by these presents.

The conditions of this obligation are such that, whereas the Principal has submitted, to the City of Madison a certain bid, including the related alternate, and substitute bids attached hereto and hereby made a part hereof, to enter into a contract in writing for the construction of:

NORTH BLAIR STREET RECONSTRUCTION ASSESSMENT DISTRICT - 2017 CONTRACT NO. 7976

1. If said bid is rejected by the Obligee, then this obligation shall be void.
2. If said bid is accepted by the Obligee and the Principal shall execute and deliver a contract in the form specified by the Obligee (properly completed in accordance with said bid) and shall furnish a bond for his/her faithful performance of said contract, and for the payment of all persons performing labor or furnishing materials in connection therewith, and shall in all other respects perform the agreement created by the acceptance of said bid, then this obligation shall be void.

If said bid is accepted by the Obligee and the Principal shall fail to execute and deliver the contract and the performance and payment bond noted in 2. above executed by this Surety, or other Surety approved by the City of Madison, all within the time specified or any extension thereof, the Principal and Surety agree jointly and severally to forfeit to the Obligee as liquidated damages the sum mentioned above, it being understood that the liability of the Surety for any and all claims hereunder shall in no event exceed the sum of this obligation as stated, and it is further understood that the Principal and Surety reserve the right to recover from the Obligee that portion of the forfeited sum which exceed the actual liquidated damages incurred by the Obligee.

The Surety, for value received, hereby stipulates and agrees that the obligations of said Surety and its bond shall be in no way impaired or affected by an extension of the time within which the Obligee may accept such bid, and said Surety does hereby waive notice of any such extension.

IN WITNESS WHEREOF, the Principal and the Surety have hereunto set their hands and seals, and such of them as are corporations have caused their corporate seals to be hereto affixed and these presents to be signed by their proper officers, on the day and year set forth below.



Seal PRINCIPAL

S & L Underground, Inc.

Name of Principal

Ben Larrabee

By

Ben Larrabee, President
Name and Title

10/20/2017

Date

Seal

SURETY

Granite Re, Inc.

Name of Surety

Connie Smith

By

Connie Smith, Attorney-in-Fact
Name and Title

10/12/2017

Date

This certifies that I have been duly licensed as an agent for the above company in Wisconsin under National Provider No. 16492915 for the year 2017, and appointed as attorney in fact with authority to execute this bid bond and the payment and performance bond referred to above, which power of attorney has not been revoked.

10/12/2017

Date

Connie Smith

Agent Signature

P.O. Box 465

Address

Hudson, WI 54016

City, State and Zip Code

800-535-0006

Telephone Number

NOTE TO SURETY & PRINCIPAL

The bid submitted which this bond guarantees shall be rejected if the following instrument is not attached to this bond:

Power of Attorney showing that the agent of Surety is currently authorized to execute bonds on behalf of the Surety, and in the amounts referenced above.

GRANITE RE, INC.
GENERAL POWER OF ATTORNEY

Know all Men by these Presents:

That GRANITE RE, INC., a corporation organized and existing under the laws of the State of OKLAHOMA and having its principal office at the City of OKLAHOMA CITY in the State of OKLAHOMA does hereby constitute and appoint:

MICHAEL J. DOUGLAS; CHRIS STEINAGEL; CHRISTOPHER M. KEMP; KARLA HEFFRON; ROBERT DOWNEY; CONNIE SMITH its true and lawful Attorney-in-Fact(s) for the following purposes, to wit:

To sign its name as surety to, and to execute, seal and acknowledge any and all bonds, and to respectively do and perform any and all acts and things set forth in the resolution of the Board of Directors of the said GRANITE RE, INC. a certified copy of which is hereto annexed and made a part of this Power of Attorney; and the said GRANITE RE, INC. through us, its Board of Directors, hereby ratifies and confirms all and whatsoever the said:

MICHAEL J. DOUGLAS; CHRIS STEINAGEL; CHRISTOPHER M. KEMP; KARLA HEFFRON; ROBERT DOWNEY; CONNIE SMITH may lawfully do in the premises by virtue of these presents.

In Witness Whereof, the said GRANITE RE, INC. has caused this instrument to be sealed with its corporate seal, duly attested by the signatures of its President and Secretary/Treasurer, this 14th day of June, 2017.

STATE OF OKLAHOMA)
) SS:
COUNTY OF OKLAHOMA)





Kenneth D. Whittington, President



Kyle P. McDonald, Treasurer

On this 14th day of June, 2017, before me personally came Kenneth D. Whittington, President of the GRANITE RE, INC. Company and Kyle P. McDonald, Secretary/Treasurer of said Company, with both of whom I am personally acquainted, who being by me severally duly sworn, said, that they, the said Kenneth D. Whittington and Kyle P. McDonald were respectively the President and the Secretary/Treasurer of GRANITE RE, INC., the corporation described in and which executed the foregoing Power of Attorney; that they each knew the seal of said corporation; that the seal affixed to said Power of Attorney was such corporate seal, that it was so fixed by order of the Board of Directors of said corporation, and that they signed their name thereto by like order as President and Secretary/Treasurer, respectively, of the Company.

My Commission Expires:
August 8, 2021
Commission #: 01013257





Notary Public

GRANITE RE, INC.
Certificate

THE UNDERSIGNED, being the duly elected and acting Secretary/Treasurer of Granite Re, Inc., an Oklahoma Corporation, HEREBY CERTIFIES that the following resolution is a true and correct excerpt from the July 15, 1987, minutes of the meeting of the Board of Directors of Granite Re, Inc. and that said Power of Attorney has not been revoked and is now in full force and effect.

“RESOLVED, that the President, any Vice President, the Secretary, and any Assistant Vice President shall each have authority to appoint individuals as attorneys-in-fact or under other appropriate titles with authority to execute on behalf of the company fidelity and surety bonds and other documents of similar character issued by the Company in the course of its business. On any instrument making or evidencing such appointment, the signatures may be affixed by facsimile. On any instrument conferring such authority or on any bond or undertaking of the Company, the seal, or a facsimile thereof, may be impressed or affixed or in any other manner reproduced; provided, however, that the seal shall not be necessary to the validity of any such instrument or undertaking.”

IN WITNESS WHEREOF, the undersigned has subscribed this Certificate and affixed the corporate seal of the Corporation this

14 day of June, 2017





Kyle P. McDonald, Secretary/Treasurer

SECTION H: AGREEMENT

THIS AGREEMENT made this 22 day of November in the year Two Thousand and Seventeen between S&L UNDERGROUND, INC. hereinafter called the Contractor, and the City of Madison, Wisconsin, hereinafter called the City.

WHEREAS, the Common Council of the said City of Madison under the provisions of a resolution adopted NOVEMBER 21, 2017, and by virtue of authority vested in the said Council, has awarded to the Contractor the work of performing certain construction.

NOW, THEREFORE, the Contractor and the City, for the consideration hereinafter named, agree as follows:

1. **Scope of Work.** The Contractor shall, perform the construction, execution and completion of the following listed complete work or improvement in full compliance with the Plans, Specifications, Standard Specifications, Supplemental Specifications, Special Provisions and contract; perform all items of work covered or stipulated in the proposal; perform all altered or extra work; and shall furnish, unless otherwise provided in the contract, all materials, implements, machinery, equipment, tools, supplies, transportation, and labor necessary to the prosecution and completion of the work or improvements:

NORTH BLAIR STREET RECONSTRUCTION ASSESSMENT DISTRICT - 2017 CONTRACT NO. 7976

2. **Completion Date/Contract Time.** Construction work must begin within seven (7) calendar days after the date appearing on mailed written notice to do so shall have been sent to the Contractor and shall be carried on at a rate so as to secure full completion SEE SPECIAL PROVISIONS, the rate of progress and the time of completion being essential conditions of this Agreement.
3. **Contract Price.** The City shall pay to the Contractor at the times, in the manner and on the conditions set forth in said specifications, the sum of ONE MILLION THREE HUNDRED SEVENTY-EIGHT THOUSAND SEVEN HUNDRED THIRTY-SEVEN AND 54/100 (\$1,378,737.54) Dollars being the amount bid by such Contractor and which was awarded to him/her as provided by law.
4. **Affirmative Action.** In the performance of the services under this Agreement the Contractor agrees not to discriminate against any employee or applicant because of race, religion, marital status, age, color, sex, disability, national origin or ancestry, income level or source of income, arrest record or conviction record, less than honorable discharge, physical appearance, sexual orientation, gender identity, political beliefs, or student status. The Contractor further agrees not to discriminate against any subcontractor or person who offers to subcontract on this contract because of race, religion, color, age, disability, sex, sexual orientation, gender identity or national origin.

The Contractor agrees that within thirty (30) days after the effective date of this agreement, the Contractor will provide to the City Affirmative Action Division certain workforce utilization statistics, using a form to be furnished by the City.

If the contract is still in effect, or if the City enters into a new agreement with the Contractor, within one year after the date on which the form was required to be provided, the Contractor will provide updated workforce information using a second form, also to be furnished by the City. The second form will be submitted to the City Affirmative Action Division no later than one year after the date on which the first form was required to be provided.

The Contractor further agrees that, for at least twelve (12) months after the effective date of this contract, it will notify the City Affirmative Action Division of each of its job openings at facilities in Dane County for which applicants not already employees of the Contractor are to be considered.

and deadlines. The Contractor agrees to interview and consider candidates referred by the Affirmative Action Division if the candidate meets the minimum qualification standards established by the Contractor, and if the referral is timely. A referral is timely if it is received by the Contractor on or before the date started in the notice.

Articles of Agreement Article I

The Contractor shall take affirmative action in accordance with the provisions of this contract to insure that applicants are employed, and that employees are treated during employment without regard to race, religion, color, age, marital status, disability, sex, sexual orientation, gender identity or national origin and that the employer shall provide harassment free work environment for the realization of the potential of each employee. Such action shall include, but not be limited to, the following: employment, upgrading, demotion or transfer, recruitment or recruitment advertising, layoff or termination, rates of pay or other forms of compensation and selection for training including apprenticeship insofar as it is within the control of the Contractor. The Contractor agrees to post in conspicuous places available to employees and applicants notices to be provided by the City setting out the provisions of the nondiscrimination clauses in this contract.

Article II

The Contractor shall in all solicitations or advertisements for employees placed by or on behalf of the Contractors state that all qualified or qualifiable applicants will be employed without regard to race, religion, color, age, marital status, disability, sex, sexual orientation, gender identity or national origin.

Article III

The Contractor shall send to each labor union or representative of workers with which it has a collective bargaining agreement or other contract or understanding a notice to be provided by the City advising the labor union or worker's representative of the Contractor's equal employment opportunity and affirmative action commitments. Such notices shall be posted in conspicuous places available to employees and applicants for employment.

Article V

The Contractor agrees that it will comply with all provisions of the Affirmative Action Ordinance of the City of Madison, including the contract compliance requirements. The Contractor agrees to submit the model affirmative action plan for public works contractors in a form approved by the Affirmative Action Division Manager.

Article VI

The Contractor will maintain records as required by Section 39.02(9)(f) of the Madison General Ordinances and will provide the City Affirmative Action Division with access to such records and to persons who have relevant and necessary information, as provided in Section 39.02(9)(f). The City agrees to keep all such records confidential, except to the extent that public inspection is required by law.

Article VII

In the event of the Contractor's or subcontractor's failure to comply with the Equal Employment Opportunity and Affirmative Action Provisions of this contract or Section 39.03 and 39.02 of the Madison General Ordinances, it is agreed that the City at its option may do any or all of the following:

1. Cancel, terminate or suspend this Contract in whole or in part.

2. Declare the Contractor ineligible for further City contracts until the Affirmative Action requirements are met.
3. Recover on behalf of the City from the prime Contractor 0.5 percent of the contract award price for each week that such party fails or refuses to comply, in the nature of liquidated damages, but not to exceed a total of five percent (5%) of the contract price, or five thousand dollars (\$5,000), whichever is less. Under public works contracts, if a subcontractor is in noncompliance, the City may recover liquidated damages from the prime Contractor in the manner described above. The preceding sentence shall not be construed to prohibit a prime Contractor from recovering the amount of such damage from the non-complying subcontractor.

Article VIII

The Contractor shall include the above provisions of this contract in every subcontract so that such provisions will be binding upon each subcontractor. The Contractor shall take such action with respect to any subcontractor as necessary to enforce such provisions, including sanctions provided for noncompliance.

Article IX

The Contractor shall allow the maximum feasible opportunity to small business enterprises to compete for any subcontracts entered into pursuant to this contract. (In federally funded contracts the terms "DBE, MBE and WBE" shall be substituted for the term "small business" in this Article.)

5. Substance Abuse Prevention Program Required. Prior to commencing work on the Contract, the Contractor, and any Subcontractor, shall have in place a written program for the prevention of substance abuse among its employees as required under Wis. Stat. Sec. 103.503.
6. **Contractor Hiring Practices.**

Ban the Box - Arrest and Criminal Background Checks. (Sec. 39.08, MGO)

This provision applies to all prime contractors on contracts entered into on or after January 1, 2016, and all subcontractors who are required to meet prequalification requirements under MGO 33.07(7)(l), MGO as of the first time they seek or renew pre-qualification status on or after January 1, 2016. The City will monitor compliance of subcontractors through the pre-qualification process.

- a. **Definitions.** For purposes of this section, "Arrest and Conviction Record" includes, but is not limited to, information indicating that a person has been questioned, apprehended, taken into custody or detention, held for investigation, arrested, charged with, indicted or tried for any felony, misdemeanor or other offense pursuant to any law enforcement or military authority.

"Conviction record" includes, but is not limited to, information indicating that a person has been convicted of a felony, misdemeanor or other offense, placed on probation, fined, imprisoned or paroled pursuant to any law enforcement or military authority.

"Background Check" means the process of checking an applicant's arrest and conviction record, through any means.

- b. **Requirements.** For the duration of this Contract, the Contractor shall:
 1. Remove from all job application forms any questions, check boxes, or other inquiries regarding an applicant's arrest and conviction record, as defined herein.

2. Refrain from asking an applicant in any manner about their arrest or conviction record until after conditional offer of employment is made to the applicant in question.
3. Refrain from conducting a formal or informal background check or making any other inquiry using any privately or publicly available means of obtaining the arrest or conviction record of an applicant until after a conditional offer of employment is made to the applicant in question.
4. Make information about this ordinance available to applicants and existing employees, and post notices in prominent locations at the workplace with information about the ordinance and complaint procedure using language provided by the City.
5. Comply with all other provisions of Sec. 39.08, MGO.

c. Exemptions: This section shall not apply when:

1. Hiring for a position where certain convictions or violations are a bar to employment in that position under applicable law, or
2. Hiring a position for which information about criminal or arrest record, or a background check is required by law to be performed at a time or in a manner that would otherwise be prohibited by this ordinance, including a licensed trade or profession where the licensing authority explicitly authorizes or requires the inquiry in question.

To be exempt, Contractor has the burden of demonstrating that there is an applicable law or regulation that requires the hiring practice in question, if so, the contractor is exempt from all of the requirements of this ordinance for the position(s) in question.

**NORTH BLAIR STREET RECONSTRUCTION ASSESSMENT DISTRICT - 2017
CONTRACT NO. 7976**

IN WITNESS WHEREOF, the Contractor has hereunto set his/her hand and seal and the City has caused these presents to be sealed with its corporate seal and to be subscribed by its Mayor and City Clerk the day and year first above written.

Countersigned:

Erika Skala 11/22/17
Witness Date

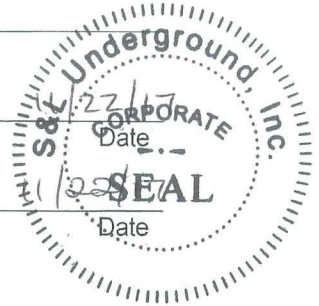
Erika Skala 11/22/17
Witness Date

S&L UNDERGROUND, INC.

BZZa
Company Name

Saragze
President

Saragze
Secretary



CITY OF MADISON, WISCONSIN

Provisions have been made to pay the liability that will accrue under this contract.

Approved as to form:

[Signature]
Finance Director

[Signature]
City Attorney

Signed this 14th day of December, 2017

[Signature]
Witness

[Signature]
Mayor Date

[Signature]
Witness

[Signature] for 11/30/17
City Clerk Date



SECTION I: PAYMENT AND PERFORMANCE BOND

KNOW ALL MEN BY THESE PRESENTS, that we S&L UNDERGROUND, INC., as principal, and Granite Re, Inc.

Company of Oklahoma as surety, are held and firmly bound unto the City of Madison, Wisconsin, in the sum of ONE MILLION THREE HUNDRED SEVENTY-EIGHT THOUSAND SEVEN HUNDRED THIRTY-SEVEN AND 54/100 (\$1,378,737.54) Dollars, lawful money of the United States, for the payment of which sum to the City of Madison, we hereby bind ourselves and our respective executors and administrators firmly by these presents.

The condition of this Bond is such that if the above bounden shall on his/her part fully and faithfully perform all of the terms of the Contract entered into between him/herself and the City of Madison for the construction of:

**NORTH BLAIR STREET RECONSTRUCTION ASSESSMENT DISTRICT - 2017
CONTRACT NO. 7976**

in Madison, Wisconsin, and shall pay all claims for labor performed and material furnished in the prosecution of said work, and save the City harmless from all claims for damages because of negligence in the prosecution of said work, and shall save harmless the said City from all claims for compensation (under Chapter 102, Wisconsin Statutes) of employees and employees of subcontractor, then this Bond is to be void, otherwise of full force, virtue and effect.

Signed and sealed this 22nd day of November, 2017

Countersigned:

Erika Steala
Witness
Ronosee
Secretary

S&L UNDERGROUND, INC.
Company Name (Principal)
B J Z
President



Approved as to form:

Neil P. My
City Attorney

Granite Re, Inc.
Surety Seal
 Salary Employee Commission
By Connie Smith
Attorney-in-Fact **Connie Smith**

This certifies that I have been duly licensed as an agent for the above company in Wisconsin under National Producer Number 16492915 for the year 2017, and appointed as attorney-in-fact with authority to execute this payment and performance bond which power of attorney has not been revoked.

11/22/2017
Date

Connie Smith
Agent Signature **Connie Smith**

GRANITE RE, INC.
GENERAL POWER OF ATTORNEY

Know all Men by these Presents:

That GRANITE RE, INC., a corporation organized and existing under the laws of the State of OKLAHOMA and having its principal office at the City of OKLAHOMA CITY in the State of OKLAHOMA does hereby constitute and appoint:

MICHAEL J. DOUGLAS; CHRIS STEINAGEL; CHRISTOPHER M. KEMP; KARLA HEFFRON; ROBERT DOWNEY; CONNIE SMITH its true and lawful Attorney-in-Fact(s) for the following purposes, to wit:

To sign its name as surety to, and to execute, seal and acknowledge any and all bonds, and to respectively do and perform any and all acts and things set forth in the resolution of the Board of Directors of the said GRANITE RE, INC. a certified copy of which is hereto annexed and made a part of this Power of Attorney; and the said GRANITE RE, INC. through us, its Board of Directors, hereby ratifies and confirms all and whatsoever the said:

MICHAEL J. DOUGLAS; CHRIS STEINAGEL; CHRISTOPHER M. KEMP; KARLA HEFFRON; ROBERT DOWNEY; CONNIE SMITH may lawfully do in the premises by virtue of these presents.

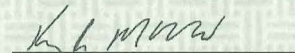
In Witness Whereof, the said GRANITE RE, INC. has caused this instrument to be sealed with its corporate seal, duly attested by the signatures of its President and Secretary/Treasurer, this 14th day of June, 2017.

STATE OF OKLAHOMA)
) SS:
COUNTY OF OKLAHOMA)





Kenneth D. Whittington, President



Kyle P. McDonald, Treasurer

On this 14th day of June, 2017, before me personally came Kenneth D. Whittington, President of the GRANITE RE, INC. Company and Kyle P. McDonald, Secretary/Treasurer of said Company, with both of whom I am personally acquainted, who being by me severally duly sworn, said, that they, the said Kenneth D. Whittington and Kyle P. McDonald were respectively the President and the Secretary/Treasurer of GRANITE RE, INC., the corporation described in and which executed the foregoing Power of Attorney; that they each knew the seal of said corporation; that the seal affixed to said Power of Attorney was such corporate seal, that it was so fixed by order of the Board of Directors of said corporation, and that they signed their name thereto by like order as President and Secretary/Treasurer, respectively, of the Company.

My Commission Expires:
August 8, 2021
Commission #: 01013257





Kathleen E. Carlson
Notary Public

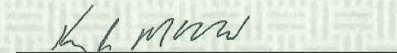
GRANITE RE, INC.
Certificate

THE UNDERSIGNED, being the duly elected and acting Secretary/Treasurer of Granite Re, Inc., an Oklahoma Corporation, HEREBY CERTIFIES that the following resolution is a true and correct excerpt from the July 15, 1987, minutes of the meeting of the Board of Directors of Granite Re, Inc. and that said Power of Attorney has not been revoked and is now in full force and effect.

“RESOLVED, that the President, any Vice President, the Secretary, and any Assistant Vice President shall each have authority to appoint individuals as attorneys-in-fact or under other appropriate titles with authority to execute on behalf of the company fidelity and surety bonds and other documents of similar character issued by the Company in the course of its business. On any instrument making or evidencing such appointment, the signatures may be affixed by facsimile. On any instrument conferring such authority or on any bond or undertaking of the Company, the seal, or a facsimile thereof, may be impressed or affixed or in any other manner reproduced; provided, however, that the seal shall not be necessary to the validity of any such instrument or undertaking.”

IN WITNESS WHEREOF, the undersigned has subscribed this Certificate and affixed the corporate seal of the Corporation this 14 day of JUN, 2017.





Kyle P. McDonald, Secretary/Treasurer