

\$7,275,045.47
ORIGINAL

BID OF SPEEDWAY SAND & GRAVEL, INC.

2022

PROPOSAL, CONTRACT, BOND AND SPECIFICATIONS

FOR

OLD MIDDLETON RD. AND CRAIG AVE. RESURFACING ASSESSMENT DISTRICT
- 2021

CONTRACT NO. 8650

PROJECT NO. 13175

IN

MADISON, DANE COUNTY, WISCONSIN

AWARDED BY THE COMMON COUNCIL
MADISON, WISCONSIN ON MARCH 29, 2022

CITY ENGINEERING DIVISION
1600 EMIL STREET
MADISON, WISCONSIN 53713

<https://bidexpress.com/login>

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:	OLD MIDDLETON RD. AND CRAIG AVE. RESURFACING ASSESSMENT DISTRICT - 2021
CONTRACT NO.:	8650
SBE GOAL	4%
BID BOND	5%
SBE PRE BID MEETING	See Pre Bid Meeting info below
PREQUALIFICATION APPLICATION DUE (2:00 P.M.)	March 10, 2022
BID SUBMISSION (2:00 P.M.)	March 17, 2022
BID OPEN (2:30 P.M.)	March 17, 2022
PUBLISHED IN WSJ	March 3 & 10, 2022

SBE PRE BID MEETING: Small Business Enterprise Pre-Bid Meetings are not being held in person at this time. Contractors can schedule one-on-one phone calls with Juan Pablo Torres Meza in Affirmative Action to count towards good faith efforts. Juan Pablo can be reached at (608) 261-9162 or by email, jtorresmeza@cityofmadison.com.

PREQUALIFICATION APPLICATION: Forms are available on our website, www.cityofmadison.com/engineering/developers-contractors/contractors/how-to-get-prequalified. 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.

Bids may be submitted on line through Bid Express or in person at 1600 Emil St. The bids will be posted on line after the bid opening. If you have any questions, please call Alane Boutelle at (608) 267-1197, or John Fahrney at (608) 266-9091.

STANDARD SPECIFICATIONS

The City of Madison's Standard Specifications for Public Works Construction - 2022 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/engineering/developers-contractors/standard-specifications.

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.

**OLD MIDDLETON RD. AND CRAIG AVE. RESURFACING ASSESSMENT DISTRICT
- 2021
CONTRACT NO. 8650**

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This Proposal, and Agreement have
been prepared by:

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

Christy Bachmann For: _____
Robert F. Phillips, P.E., City Engineer

RFP: fel

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 (City of Madison form) 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 <input type="checkbox"/> Asbestos Removal | 110 <input type="checkbox"/> Building Demolition |
| 120 <input type="checkbox"/> House Mover | |

Street, Utility and Site Construction

- | | |
|---|--|
| 201 <input type="checkbox"/> Asphalt Paving | 265 <input type="checkbox"/> Retaining Walls, Precast Modular Units |
| 205 <input type="checkbox"/> Blasting | 270 <input type="checkbox"/> Retaining Walls, Reinforced Concrete |
| 210 <input type="checkbox"/> Boring/Pipe Jacking | 275 <input checked="" type="checkbox"/> Sanitary, Storm Sewer and Water Main Construction |
| 215 <input type="checkbox"/> Concrete Paving | 276 <input type="checkbox"/> Sawcutting |
| 220 <input type="checkbox"/> Con. Sidewalk/Curb & Gutter/Misc. Flat Work | 280 <input type="checkbox"/> Sewer Lateral Drain Cleaning/Internal TV Insp. |
| 221 <input type="checkbox"/> Concrete Bases and Other Concrete Work | 285 <input type="checkbox"/> Sewer Lining |
| 222 <input type="checkbox"/> Concrete Removal | 290 <input type="checkbox"/> Sewer Pipe Bursting |
| 225 <input type="checkbox"/> Dredging | 295 <input type="checkbox"/> Soil Borings |
| 230 <input type="checkbox"/> Fencing | 300 <input type="checkbox"/> Soil Nailing |
| 235 <input type="checkbox"/> Fiber Optic Cable/Conduit Installation | 305 <input type="checkbox"/> Storm & Sanitary Sewer Laterals & Water Svc. |
| 240 <input type="checkbox"/> Grading and Earthwork | 310 <input checked="" type="checkbox"/> Street Construction |
| 241 <input type="checkbox"/> Horizontal Saw Cutting of Sidewalk | 315 <input type="checkbox"/> Street Lighting |
| 242 <input type="checkbox"/> Hydro Excavating | 318 <input type="checkbox"/> Tennis Court Resurfacing |
| 243 <input type="checkbox"/> Infrared Seamless Patching | 320 <input type="checkbox"/> Traffic Signals |
| 245 <input type="checkbox"/> Landscaping, Maintenance | 325 <input type="checkbox"/> Traffic Signing & Marking |
| 246 <input type="checkbox"/> Ecological Restoration | 332 <input type="checkbox"/> Tree pruning/removal |
| 250 <input type="checkbox"/> Landscaping, Site and Street | 333 <input type="checkbox"/> Tree, pesticide treatment of |
| 251 <input type="checkbox"/> Parking Ramp Maintenance | 335 <input type="checkbox"/> Trucking |
| 252 <input type="checkbox"/> Pavement Marking | 340 <input type="checkbox"/> Utility Transmission Lines including Natural Gas, Electrical & Communications |
| 255 <input type="checkbox"/> Pavement Sealcoating and Crack Sealing | 399 <input type="checkbox"/> Other _____ |
| 260 <input type="checkbox"/> Petroleum Above/Below Ground Storage Tank Removal/Installation | |
| 262 <input type="checkbox"/> Playground Installer | |

Bridge Construction

- 501 Bridge Construction and/or Repair

Building Construction

- | | |
|--|---|
| 401 <input type="checkbox"/> Floor Covering (including carpet, ceramic tile installation, rubber, VCT) | 437 <input type="checkbox"/> Metals |
| 402 <input type="checkbox"/> Building Automation Systems | 440 <input type="checkbox"/> Painting and Wallcovering |
| 403 <input type="checkbox"/> Concrete | 445 <input type="checkbox"/> Plumbing |
| 404 <input type="checkbox"/> Doors and Windows | 450 <input type="checkbox"/> Pump Repair |
| 405 <input type="checkbox"/> Electrical - Power, Lighting & Communications | 455 <input type="checkbox"/> Pump Systems |
| 410 <input type="checkbox"/> Elevator - Lifts | 460 <input type="checkbox"/> Roofing and Moisture Protection |
| 412 <input type="checkbox"/> Fire Suppression | 464 <input type="checkbox"/> Tower Crane Operator |
| 413 <input type="checkbox"/> Furnishings - Furniture and Window Treatments | 461 <input type="checkbox"/> Solar Photovoltaic/Hot Water Systems |
| 415 <input type="checkbox"/> General Building Construction, Equal or Less than \$250,000 | 465 <input type="checkbox"/> Soil/Groundwater Remediation |
| 420 <input type="checkbox"/> General Building Construction, \$250,000 to \$1,500,000 | 466 <input type="checkbox"/> Warning Sirens |
| 425 <input type="checkbox"/> General Building Construction, Over \$1,500,000 | 470 <input type="checkbox"/> Water Supply Elevated Tanks |
| 428 <input type="checkbox"/> Glass and/or Glazing | 475 <input type="checkbox"/> Water Supply Wells |
| 429 <input type="checkbox"/> Hazardous Material Removal | 480 <input type="checkbox"/> Wood, Plastics & Composites - Structural & Architectural |
| 430 <input type="checkbox"/> Heating, Ventilating and Air Conditioning (HVAC) | 499 <input type="checkbox"/> Other _____ |
| 433 <input type="checkbox"/> Insulation - Thermal | |
| 435 <input type="checkbox"/> Masonry/Tuck pointing | |

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/civil-rights/contract-compliance/targeted-business-enterprise-programs/targeted-business-enterprise.

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/civil-rights/contract-compliance/targeted-business-enterprise-programs/targeted-business-enterprise. 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

OLD MIDDLETON RD. AND CRAIG AVE. RESURFACING ASSESSMENT DISTRICT - 2021 CONTRACT NO. 8650

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 102.11: BEST VALUE CONTRACTING

This Contract shall be considered a Best Value Contract if the Contractor's bid is equal to or greater than \$70,000 for a single trade contract; or equal to or greater than \$341,500 for a multi-trade contract pursuant to MGO 33.07(7).

ARTICLE 104 SCOPE OF WORK

The work under this contract shall include, but is not limited to, excavation cut, clearing, grubbing, replacement of sanitary sewer, storm sewer, concrete sidewalk, driveway aprons, curb and gutter, road base course, pavement, and terrace restoration with topsoil, seed and matting.

The project limits for the work are Old Middleton Road from the Capital Avenue to N. Eau Claire Avenue and Craig Avenue from University Avenue to the south end railroad tracks.

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. 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.

The Contractor shall note that the bid items for sidewalk removal and replacement may increase or decrease based on what is encountered in the field. It is anticipated that 100 SF of sidewalk removal and replacement would be required for each of the sanitary lateral replacements.

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 104.10 CLEANING UP

Excess concrete from finishing operations and from spillage on adjacent sidewalk and curb and gutter shall be removed immediately. Excess concrete or mortar from the finishing operation and spillage into Sewer Access Structures and Storm Sewer Inlets shall be removed immediately.

SECTION 105.12 COOPERATION BY THE CONTRACTOR

The Contractor shall use care around existing trees, plantings, fences, walls, steps, driveways and any other structures or amenities 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. All other standard tree protection specifications will be strictly enforced.

The Contractor shall maintain access for residents, mail delivery, and garbage/recycling pickup for all properties in the project area.

All private storm sewer discharges shall be maintained for all properties in the project area. Due to the close proximity of an Archaeology site, there is a chance of finding archaeological materials while working on Craig Avenue. If any archaeological materials are found or unusual soils encountered during the project, all ground disturbing construction activities shall cease. The contractor shall consult with John Hodgson of Phase One Archaeology prior to continuing work. John Hodgson can be reached by email at phaseonearchaeology@gmail.com or by phone at (608) 334-1828.

The Contractor shall provide access to the Gettle Lift Station throughout construction. The installation of temporary plates or other temporary measures for this purpose shall be considered incidental to the force main installation. Contact Erik Rehr of MMSD with questions regarding the Gettle Lift Station, (608) 222-1201 ext. 294. The MMSD field contacts for access are Ray Schneider, RayS@madsewer.org or (608) 347-3628, and Jen Hurlbaas, JenH@madsewer.org or (608) 222-1201 ext. 248.

Work under this contract will require coordination with 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 and allow working areas for installation of new facilities or for relocation work.

The Contractor shall contact MG&E electric when working in close proximity to power poles so that poles can be supported if required.

Madison Gas & Electric (MG&E) will replace the existing gas main facilities on Old Middleton Road during the duration of this contract. The Contractor shall coordinate the replacement work with MG&E.

Conflicts installing proposed sidewalk requiring private utility relocation have been identified but are not limited to the following locations:

- 5372 Old Middleton Road – Two guy wires (MG&E - Electric)
- 5372 Old Middleton Road – VRAD Cabinet (AT&T)
- 5372 Old Middleton Road – Mailbox (USPS)

Potential conflicts installing proposed storm sewer have been identified but are not limited to the following locations:

- STA 16+36, LT-17.5' - GAS (8" ST.)
- STA 16+49, RT-21.5' - GAS (4" ST.)
- STA 18+88, LT-18.0' - GAS (8" ST.)
- STA 21+13, RT-14.5' - GAS (2" PL.)
- STA 22+69, LT-26.5' - GAS (2" ST.)
- STA 23+81, LT-20.0' - GAS (8" ST.)

- STA 26+36, LT-22.5' - GAS (2" ST.)
- STA 26+37, LT-19.0' - GAS (8" ST.)
- STA 29+41, LT-16.0' - GAS (8" ST.)
- STA 29+45, RT-20.5' - GAS (2" ST.)
- STA 31+65, RT-53.5' - WIN-FIBER
- STA 33+43, RT-34.5' - GAS (2" ST.)
- STA 43+90, RT-20.5' - WIN-FIBER
- STA 47+37, RT-23.0' - GAS (2" ST.)
- STA 53+26, RT-19.5' - TV
- STA 53+32, RT-26.5' - GAS (2" PL.)
- STA 60+39, RT-22.0' - ELECTRIC

Private utilities in conflict might require relocation pending confirmation of conflict with ULO information.

Contacts for private utilities are:

Shaun Endres (MG&E Gas) 608-213-6708, sendres@mge.com
 Anthony Sanfratello (MG&E Electric) 608-931-1284, asanfratello@mge.com
 Ryan Denewellis (AT&T) 608-358-6285, rd1238@att.com
 Jon Marschke (Charter Communications), 608-225-2479, Jon.Marschke@charter.com
 Jerry Myers (TDS) 608-664-4404, jerry.myers@tdstelecom.com
 Todd Ellickson (WIN Technology), 608-852-4072, Todd.Ellickson@wintechnology.com
 Gretchen Aviles (City Traffic Engineering), 608-266-4899, GAvilesPineiro@cityofmadison.com
 USPS Middleton Post Office, 608-831-5501

The existing Traffic Engineering electrical and fiber optic must remain in service throughout the duration of the project. The electrical conduit crossings that are to be replaced must remain operational until temporary signals and/or lighting are installed and are operational.

City Traffic Engineering crews will be replacing traffic signal loop detection wires in the base course at the following intersection:

- Old Middleton Rd & Whitney Way
- Craig Ave & University Ave

Contact City Traffic Engineering (266-4767) a minimum of 24 hours and maximum of 48 hours prior.

City Traffic Engineering will be installing temporary traffic signals. City crews will need notification once temporary wood poles are installed to begin installation of temporary traffic signals. The installation of temporary traffic signals will take seven (7) working days. Any street closure or removal of existing bases shall begin once the Contractor is notified by City Traffic Engineering crews that temporary traffic signals are operational. City Traffic engineering crews will be installing new traffic signal equipment in conjunction with this project. Notify City Traffic Engineering, Troy Vant (395-1975), once conduit and bases are installed and cured. The Contractor shall coordinate their work with City crews as shown in the plans and defined in these special provisions.

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.

Set up traffic control as shown on the Traffic Control Plan provided in the plan set.

Maintain one lane of westbound traffic on the portion of Old Middleton Rd from N Eau Claire Ave to Old Sauk Rd at all times. Maintain two-way traffic on Old Middleton Rd between Old Sauk Rd and N Rosa Rd or Old Sauk Rd and Glen Hwy at all times. Allow sufficient room for Metro buses to make the right turn from eastbound Old Sauk Rd to east bound Old Middleton Rd and the right turn from eastbound Old Middleton Rd onto southbound N Rosa Rd. N Rosa Rd may be closed for up to 7 calendar days for utility work. When N Rosa is closed, an eastbound lane shall be maintained from Old Sauk Rd to Glen Hwy. Outside of this closure, maintain a lane of southbound traffic on N Rosa Rd at all times. The traffic lane shall be on a hard surface (concrete, asphalt, or steel plates) and shall have a minimum width of 10 feet of pavement and 12 feet to the face of curb. Delineate the traffic lane with traffic barrels. Do not place traffic barrels within the 10 foot traffic lane.

Old Middleton Rd between Old Sauk Rd and Capital Ave shall remain fully open to two-way traffic before June 9th and after September 1st. Between June 9th and September 1st, Old Middleton Rd from Old Sauk Rd to Capital Ave may be closed to through traffic and provide access to local traffic only. This applies to both calendar years 2022 and 2023.

N Whitney Way shall remain to two-way traffic at all times. One lane in each direction may be closed off-peak for up to 21 calendar days.

Traffic shall be allowed to turn from southbound Old Middleton Rd to eastbound Capital Ave at all times.

The work on Craig Ave shall be split into two phases to accommodate the on-street parking need. Craig Ave from University Ave to 400 feet south of Brody Dr is one phase and from this point south to the end of Craig Ave is another phase. The contractor shall not perform any work that would disrupt parking in one phase while the other phase is being constructed.

Work on Old Middleton Rd will not be restricted during peak hours.

Do not drive construction vehicles the "wrong way" in the traffic lane open to the public.

In general, side-streets to Old Middleton Rd may be closed for construction, when needed. No two adjacent side streets may be closed simultaneously. N Highlands Ave and S Highlands Ave shall never be closed at the same time as there is no other access to this neighborhood. Glenthistle Rd and Glen Hollow Rd shall never be closed at the same time as there is no other access to this neighborhood. N Rosa Rd and Glen Hwy shall never be closed at the same time.

Traffic Control shall be measured as a lump sum. Payment for the Traffic Control is full compensation for constructing, assembling, hauling, erecting, re-erecting, maintaining, restoring, and removing non permanent traffic signs, drums, barricades, and similar control devices, including arrow boards, for providing, placing, and maintaining work zone. Maintaining shall include replacing damaged or stolen traffic control devices. Temporary pavement markings, tubular posts and bases and electronic message

boards shall be paid for as separate bid items. Traffic control to install temporary or permanent pavement markings shall be included in the Traffic Control Lump Sum Bid Item.

Contractor shall supply all necessary mounting hardware and supports for signing. This shall also include covering and uncovering any conflicting overhead signs during the project. Contractor shall display all signing so as to be easily viewed by all users. Contractor shall mount traffic control on posts or existing poles or drive posts whenever possible. Existing poles may be used with approval of Construction Engineer. Contractor shall inspect traffic control daily to ensure all traffic control remains in place during the project.

The traffic control plan may need to be altered as conditions change in the field or as unexpected conditions occur. This shall include relocating existing traffic control or providing additional traffic control. This should be considered incidental to providing traffic control for the project.

Type A warning lights shall be installed on all barricades used in the project per State of Wisconsin S.D.D. 15C2-4B. Contractor shall also place Type C warning lights on any barrels used to taper traffic or lane closures.

All temporary inlet or structure plating for traffic control phasing shall be considered incidental to the traffic control bid item.

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. Contractor shall locate the portable changeable message boards as directed by the Engineer.

Contractor shall notify the City of Madison Police Department, Fire Department, Madison Metro, and Traffic Engineering 48 hours in advance of all switchovers of traffic lanes and closures of streets. Notifications must be given by 4:00 P.M. on Thursday for any such work to be done on the following Monday. Notify Madison Metro one week prior to traffic switches, street closures, reopening the road to through traffic for bus routing, and any change to bus stops. Maintain all westbound bus stops using temporary bus stops that shift in location, based on the location of active work. Buses will be allowed to stop in active travel lanes for passenger boarding. Temporary bus stops will be paid under the appropriate bid item. Madison Metro contact is MetroNotice@cityofmadison.com.

Maintain sidewalk at all times on one side of the street at all times and both sides whenever possible. When sidewalk must be closed for construction purposes, contractor shall ensure that sidewalk on opposite side of the street is open. Sidewalk closures shall be signed at the crosswalks prior to the closure. Sidewalk access to all businesses shall remain open from at least one end of a block at all times. Sidewalks shall be fully open during non-working hours except where necessary to enable sidewalk to cure. Maintaining Sidewalk is considered incidental to the contract.

Construction equipment and materials are not to be stored within the street right-of-way that is open to traffic during non-working hours.

Backfill, plate, or protect work areas with traffic control devices during non-working hours. If steel plates are used, notify the City of Madison Streets Division, 608-266-4681, one day prior to the placement of the plates.

Contractor is responsible for obtaining and installing temporary no parking signs to facilitate traffic control plan or as necessary to complete the work within the contract. The contractor shall contact John Villareal with the City of Madison Parking Utility (608-267-8756) at least 3 working days prior to needing the signs.

Contractor shall post signs in accordance with the City of Madison Police Department Guidelines for temporary no parking restrictions for construction or special events. The guidelines can be found at the link listed below. This shall be considered incidental to the traffic control lump sum bid item.

http://www.cityofmadison.com/business/pw/documents/guidelines_temporarynoparkingrestrictions.pdf

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.

Contact Jeremy Nash, City of Madison Traffic Engineering, at 608-616-9098 or jnash@cityofmadison.com for questions on this spec.

SECTION 107.12 RAILROAD - HIGHWAY GRADE SEPARATIONS AND APPROACHES, NEW RAILROAD CROSSINGS, AND OPERATION ON RAILROAD RIGHT- OF WAY

The company representative who may be consulted by Bidders and Contractors with regard to railroad requirements is Stacey Hurda of the Wisconsin & Southern Railroad (WSOR), at (608) 620-2054. Notice must be given to Stacey Hurda at least 72 hours prior to working within twenty-five feet (25') of the Railroad Tracks. The Contractor shall obtain the authorization of the WSOR to work within twenty-five feet (25') of the railroad tracks prior to any work being done. Any time that work is being done within twenty-five feet (25') of the track, a WSOR flag person must be present.

It shall be the responsibility of the Contractor to compensate the Railroad for the flag person requirements. Prior to any work within twenty-five feet (25') of the Railroad Tracks, the Contractor shall provide to WSOR the attached flagging form pre filled with at least 72 hours prior to work starting on the Railroad right of way.

Absolutely no staging of equipment or materials will be allowed within the railroad right-of-way.

If a Contractor violates any of these requirements, the Wisconsin & Southern Railroad reserves the right to remove and prohibit the Contractor from any further access or encroachment on the Wisconsin & Southern Railroad right of way regardless of whether or not that access or encroachment is on, under, over, intentional or inadvertent, until such time as the Contractor provides satisfactory assurances and measures to prevent any reoccurrence of such violation.

BID ITEM 10790 - RAILROAD INSURANCE

The Contractor shall provide special third party protection insurance for, and in behalf of, the Wisconsin and Southern Railroad Company per Section 107.12(c) Railroad Insurance Requirements of the City of Madison Standard Specifications.

The amount of insurance to be provided shall be limited to a combined single limit amount of Two Million Dollars (\$2,000,000) per occurrence for Bodily Injury Liability, Property Damage Liability, and Physical Damage to Property, with Six Million Dollars (\$6,000,000) aggregate for the term of the policy with respect

to Bodily Injury, Liability, Property Damage Liability and Physical Damage to Property. Contractor to confirm all requirements with Wisconsin & Southern Railroad.

The certificate of general liability insurance shall include the following entities:

- Wisconsin Dept. of Transportation – 4822 Madison Yards Way, Madison, WI 53707 (rail corridor (land only) owner)
- Wisconsin River Rail Transit Commission - 20 S Court Street PO Box 262 Platteville, WI 53818 (rail infrastructure owner)
- Wisconsin and Southern Railroad L.L.C. – 1890 E. Johnson Street Madison, WI 53704-4745 (operating railroad)
- Watco Transportation Services, L.L.C. - 315 W. 3rd. St. Pittsburg, KS 66762 (parent company of operating railroad)

SECTION 108.2 PERMITS

The City of Madison will obtain a City of Madison Erosion Control Permit and will submit a DNR 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 their 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 will be provided at the preconstruction meeting and will be 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.

SECTION 109.2 PROSECUTION OF THE WORK

The Contractor may begin work as early as **April 18, 2022**. Work may only proceed after the contract is fully signed and the start work letter is received.

A portion of the work under this contract may be completed in 2023, or all work under this contract may be completed in 2022.

If the Contractor elects to complete all work under this contract in 2022, the completion date will be **OCTOBER 28, 2022**.

The Contractor may elect to perform all work related to Craig Avenue in 2023. If the work occurs in 2023, all work shall be completed by **SEPTEMBER 1, 2023** and the total time for completion is **ONE HUNDRED TWENTY (120) CALENDAR DAYS**.

The Contractor may also elect to perform all work related to Old Middleton Road from Station 1+00 to Station 33+00 (Capital Avenue to just east of Rosa Road) in 2023. If the work occurs in 2023, all work shall be completed by **SEPTEMBER 1, 2023** and the total time for completion is **ONE HUNDRED TWENTY (120) CALENDAR DAYS**.

All work on Old Middleton Road from Station 33+00 to Station 70+00 (approximately Rosa Road to Eau Claire Avenue) shall be completed in 2022 by **OCTOBER 28, 2022**. The total time for completion is **ONE HUNDRED TWENTY (120) CALENDAR DAYS**.

The Contractor shall notify the Engineer of their anticipated schedule for this project as soon as possible, and shall provide a minimum of 4 weeks' notice prior to their anticipated start date. If adequate notice is not provided, the start date may be delayed, and no additional compensation or time extensions will be granted for failure to provide the required notice.

The total contract time accounts for work days necessary to coordinate with utilities for work being performed on their facilities. No time extensions will be given for coordinating with the utilities and for providing time and space for the private utilities to complete their work within the contract duration.

The Contractor shall limit workdays to 7:00 a.m. to 7:00 p.m. Monday – Saturday unless approved by the Engineer in writing. No work shall be allowed on holidays unless approved by the Engineer.

SECTION 210.1(c) 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.

BID ITEM 20336 – PIPE PLUG

With regard to the City of Madison Standard Specifications for Public Works Construction 2022 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.

ARTICLE 500 SEWER AND SEWER STRUCTURES GENERAL

The storm and sanitary sewer designer for the project is Matt Allie and may be contacted at (608) 266-4058 or MAllie@cityofmadison.com.

SANITARY SEWER GENERAL

Sanitary sewer pipe work on Old Middleton Road will include installation of approximately 2,036 feet of new 8" diameter ASTM D3034 SDR-35 main, 2,032 feet of new 8" diameter ASTM D3034 SDR-26 main, 742 feet of new 10" diameter ASTM D3034 SDR-35 main, 92 feet of new 12" diameter ASTM D3034 SDR-35 main, and 1,124 feet of new 18" diameter AWWA C900 DR-18 PVC force main. On Craig Avenue, sanitary sewer pipe installation includes approximately 1,538 feet of new 8" diameter ASTM D3034 SDR-35 main and 389 feet of new 10" diameter ASTM D3034 SDR-35 main. Sanitary sewer pipe work shall include installing new sewers at the sizes and location specified on the plan set and in accordance with the City of Madison Standard Specifications for Public Works Construction latest edition.

ASTM D3034 SDR-35 & 26 sewer main and lateral as called for on the plan set shall be payable under Sanitary Sewer Main (BID ITEMS 50301, 50302, and 50303) and Sanitary Lateral (BID ITEM 50353).

All new sanitary sewer access structures shall include the Neenah R-1550 Frame with City of Madison Logo Lid 1550-0054 (see S.D.D. 5.7.16 of the City of Madison Standard Specification for Public Works Construction latest edition). All new sewer main connections may be factory cored and shall be included in the structure price. All existing 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.

All sanitary sewer laterals on this project were located by television inspection of the main and from City records.

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.

STORM SEWER GENERAL

Storm sewer installation will include pipe work on Old Middleton Road Craig Avenue. 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 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. All private storm connections to a new structure are incidental to the new structure. If a private connection is not shown on the plan, additional compensation shall be paid for as a private reconnection unless the structure is field poured. At S29-B work to install pipe and structure shall remain in the utility easement.

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 their 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.

Precast structures are only allowed where field poured structures are not specifically called for and no precast structures are allowed until approval of the design engineer has been received.

R-1550 HydroVent casting, as described in Article 507 (507.2(b)) of the Standard Specifications, 2022 Edition, shall be installed at storm structure S7-A.

SECTION 507.3(b) PRECAST REQUIREMENTS

Precast structures for storm and sanitary sewer structures shall not be furnished with steps.

SECTION 507.3(d) STORM SEWER CONNECTIONS – NEW PIPE CONNECTIONS

Where a new public TYPE II or III storm pipe is being connected into new precast H inlet concrete structure the contractor shall provide a Kor-N-Seal or approved prefabricated connection to connect the new pipe to new H inlet structure as detailed in Standard Detail Drawing 5.7.31, Flexible Pipe to SAS Connector.

Where a new public TYPE I storm pipe is being connected into a new precast concrete structure the connection shall be made with the use of concrete collar. The work shall be done in accord with Standard Detail Drawing 5.4.5 Concrete Collar.

Where any type of new public storm pipe is being connected into new poured-in-place concrete structure the contractor shall pour structure around new pipe connection as detailed in Standard Detail Drawing 5.7.3, Storm Sewer Field Poured SAS and Catch Basins.

BID ITEM 50361 – HEAVY WASTEWATER CONTROL

DESCRIPTION

Work under this bid item shall be in accordance with the City of Madison Standard Specifications for Public Works Construction, 2022 Edition. The Contractor shall remove all wastewater from the existing force main prior to installing pipe plugs and dispose of properly.

The Contractor shall provide temporary wastewater control equipment, labor, materials, coordination, and incidentals according to Article 503.3(g) of the standard specifications to maintain proper function of the sanitary sewer during connection of the new force main. All bypass wastewater work shall be the responsibility of the Contractor, and shall be payable under this Bid Item.

It is anticipated that pumper trucks will be required for the force main connection at the lift station and where the force main connects into the gravity sewer system. Wastewater haulers shall be equipped with booster pumps for wet well dewatering.

The below table includes both total month run times in hours, as well as the total annual run times, and average daily run times for the Gettle Lift Station. The lift station contains two primary pumps and one backup pump. All pumps have a pumping rate of 2100 gpm (gallons per minute).

MONTH	PUMP 23162	PUMP 23163	PUMP 23164
Mar-19	54.5	44.9	52.3
Apr-19	50.3	38.1	50.5
May-19	52.5	42.6	50.3
Jun-19	48.0	37.9	46.6
Jul-19	53.2	42.2	50.9
Aug-19	50.7	40.2	48.1
Sep-19	52.0	41.0	48.9
Oct-19	55.6	43.6	52.5
Nov-19	50.2	39.3	47.3
Dec-19	49.7	41.3	44.9
Jan-20	49.8	44.3	47.9
Feb-20	49.9	39.9	39.0
Mar-20	52.7	44.5	49.9
Apr-20	47.6	38.1	44.7
May-20	51.1	41.2	48.1
Jun-20	50.6	40.6	47.4
Jul-20	53.6	43.4	50.9
Aug-20	47.1	38.7	47.0
Sep-20	40.6	36.4	43.2
Oct-20	42.0	35.5	41.2

TOTAL (HR)	1001.7	813.7	951.6
DAILY AVG (HR)	1.64	1.33	1.56

METHOD OF MEASUREMENT

HEAVY WASTEWATER CONTROL shall be measured by the lump sum acceptably completed and shall include all mobilization required to perform the work described above.

BASIS OF PAYMENT

HEAVY WASTEWATER CONTROL, measured as described, will be paid at the contract unit price which shall be full compensation for all materials, labor, equipment, and incidentals necessary to acceptably complete the work as set forth in the description.

BID ITEM 50390 – SEWER ELECTRONIC MARKERS

With regard to the City of Madison Standard Specifications for Public Works Construction latest edition Section 503.3(c), each sanitary 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 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 temporary signals on contractor installed temporary support structures and new signal poles as necessary and install wire for new traffic signal operation. City crews will also install new permanent street light controller cabinet. The contractor shall install and maintain street lighting and traffic signal support equipment to keep lighting and signals operating during construction as described in bid item 90030.

Streetlight circuits are to be maintained throughout the construction project. Existing streetlights are powered from a 120/240V circuit. Coordinate with City of Madison Electrical Section Troy Vant (267-1969), to ensure that lighting circuits have been rerouted prior to removing any existing light pole base or conduits which have lighting circuits passing through.

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.

The City will install new streetlight poles as shown on the plan sheets and wiring.

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 (Ed Smith at 266-9034) twenty-four (24) hours prior to picking up any materials.

ITEM	Quantity
3/4" x 19" Anchor Bolts	2 sets of 4 for type G bases
1" x 40" Anchor Bolts	10 sets of 4 for LB-3 bases
1-1/4" x 48" Anchor Bolts	8 sets of 4 for LB-8 bases

SECTION 602.3(d) ELECTRICAL CONDUCTORS

Existing street light conductors shall be saved and reused whenever possible. Any existing wire that is damaged or removed by the contractor when it could have been reused shall be replaced by the contractor at no expense to the City. All work associated with saving and reusing existing wire or removing existing wire from conduit is incidental to associated conduit and base construction items.

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.

When a concrete cap is required and authorized by the City Traffic Engineering Inspector, each (1) cubic foot of concrete cap placed shall be paid for as 2.5 square feet of 5-inch sidewalk.

SECTION 704.26 Adjust Water Service Box

Water service boxes requiring adjustment within the project limits shall be adjusted and payed for as described in section 704.26 of the City of Madison Standard Specification for Public Works Construction latest edition.

BID ITEM 90000 – CONCRETE ISLAND

DESCRIPTION

This bid item includes all work, materials, labor, forming, equipment and incidentals necessary to install the Concrete Island per the detail drawing and at the location indicated on the plans. All work under this bid item shall be in accordance with Articles 302 and 303 of the City of Madison Standard Specifications and supplemented as follows.

The base of the island shall be constructed with the adjacent road base, which will be paid under the appropriate bid items. Prepare the base per the standard specifications, and form and pour the Concrete Island as indicated on the plans and per the standard specifications. Concrete Island shall be poured monolithic with control joint per the standard specifications.

If necessary for the maintenance of traffic, any placement of asphalt pavement, sawcutting of the pavement, and removal/excavation of the pavement and any additional base material shall be considered incident to this item of work.

The Concrete Island shall be constructed with mountable noses per the standard detail drawing 3.13. The mountable noses are to be part of the monolithic concrete islands, and will be paid under this bid item.

METHOD OF MEASUREMENT

Concrete Island shall be measured by square foot acceptably installed.

BASIS OF PAYMENT

This item, measured as provided above, will be paid for at the contract unit price per square foot, which price shall be payment in full for furnishing all material, labor, tools, equipment, formwork and incidentals necessary to complete this item of work.

BID ITEM 90001 - HIGH FRICTION COLORED PAVEMENT MARKING, MMA-GREEN

DESCRIPTION

This work consists of furnishing and applying a high friction colored pavement marking in accordance with manufacturer's specifications and in conformity with the lines and details shown on the plans. The system shall consist of a Methyl Methacrylate resin system colored with pigment to produce the specified color and mixed with anti-skid aggregate used for pavement markings (MMA).

The manufacturer's technical representative shall be on-site to direct contractor personnel prior to or during preparation and application of the MMA or the contractor shall provide documentation from manufacturer's representative endorsing contractor as qualified to install the material.

MATERIALS

General: Use a Methyl Methacrylate based resin system capable of retaining an incorporated aggregate and withstanding vehicular traffic conditions. Color pigmented resins shall comply with FHWA color guidelines

GREEN colored resins shall comply with chromaticity requirements in accordance with MUTCD Interim Approval for Optional Use of Green Colored Pavement for Bike Lanes.

Resin: The Methyl Methacrylate based resin system shall meet the following requirements:

Property	Value	Test Method
Tensile Strength @ 7 days, psi, minimum	1000	ASTM D 638
Hardness, Shore D, minimum	55	ASTM D 2240
Cure Rate, minutes, maximum	30	at 70°F
Water Absorption @ 24 hours, max.	0.25%	ASTM D 570

Aggregate: The aggregate shall be high friction crushed bauxite, phonolite, or silica. 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:

Property	Value	Test Method
Hardness, minimum	7	Mohs Scale

Resin + Aggregate:

Property	Value	Test Method
Skid Resistance, minimum	60	ASTM E303

CONSTRUCTION METHODS

General: Apply MMA pavement surfacing system 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.

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 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.

Application: For applications on new pavements, install MMA a minimum of 20 days after the placement of the underlying and adjacent pavement.

PERFORMANCE REQUIREMENTS

Raveling and Delamination: Remove and replace MMA 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 NOT installed to specification or to the satisfaction of the Engineer. Non conforming MMA 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 1 year 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 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 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

MMA 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 PAVEMENT MARKING, MMA-COLOR 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 – TRAFFIC CONTROL FLEXIBLE TUBULAR MARKER POSTS

DESCRIPTION

This bid item includes all work, materials, equipment and labor necessary to install Traffic Control Flexible Tubular Marker Posts. All work under this bid item shall be in accordance with Section 633 of the current edition of the WISDOT standard specs.

METHOD OF MEASUREMENT

Traffic Control Flexible Tubular Marker Posts shall be measured as set forth in Section 633.4 of the Wisconsin DOT Standard Specifications, which shall be measured on a per unit basis acceptably installed.

BASIS OF PAYMENT

Traffic Control Flexible Tubular Marker posts will be paid at the contract unit price, which shall be full compensation for all work as provided in the description.

BID ITEM 90003 – TRAFFIC CONTROL FLEXIBLE TUBULAR MARKER BASES

DESCRIPTION

This bid item includes all work, materials, equipment and labor necessary to install Traffic Control Flexible Tubular Marker Bases. All work under this bid item shall be in accordance with Section 633 of the current edition of the WISDOT standard specs.

METHOD OF MEASUREMENT

Traffic Control Flexible Tubular Marker Bases shall be measured as set forth in Section 633.4 of the Wisconsin DOT Standard Specifications, which shall be measured on a per unit basis acceptably installed.

BASIS OF PAYMENT

Traffic Control Flexible Tubular Marker posts will be paid at the contract unit price, which shall be full compensation for all work as provided in the description.

BID ITEM 90004 – TEMPORARY BUS STOP

DESCRIPTION

This special provision describes maintaining accessible bus stops within or adjacent to the construction zone as identified on the traffic control plans or as directed by the Engineer. Maintaining access to an existing bus stop area will be considered incidental to the work.

Temporary Bus Stops shall consist of maintaining a hard surface for the bus stop zone that's a minimum dimension of 8'x15', and the bus stop zone shall be designated and separated from the construction zone with orange construction fencing. The hard surface may be on existing pavement, new pavement, or temporary surface material. The temporary bus stop zone shall also have a hard surface pedestrian route to connect directly to a crosswalk (existing, new, or temporary) or directly to an open sidewalk. If required due to the location of the temporary bus stop, installation of a temporary ramp may be required to meet ADA guidelines. If the temporary ramp crosses over existing curb and gutter, drainage through the gutter shall be maintained. Installation of surface materials and fencing as necessary are included with this item.

MATERIALS

Where required, furnish a hard temporary surface material consisting of asphaltic surface, any grade of concrete, skid resistant steel plating, or alternative material as approved by the Engineer. Gravel or base course or cold patch material is not acceptable. Temporary hard surface shall be used the bus stop zone and where necessary to make a safe pedestrian connection.

Construction fencing shall be International Orange color, high-density polyethylene mesh (UV stabilized) conforming to the following:

- Mesh opening: 1 inch minimum to 3 inch maximum
- Height: 4 feet
- Ultimate tensile strength: Avg 3000lb per 4' width (ASTM D638)

Fencing shall be mounted on conventional metal "T" or "U" shaped fence posts.

CONSTRUCTION

Install, maintain, and remove temporary surface material at Temporary Crosswalk Access locations as shown on the plans or as directed by the Engineer. Level and compact the surface prior to placing temporary surface material. The temporary surfaces for pedestrian routes shall have a minimum clear width of 5 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).

Fence posts shall driven to a minimum depth of 12 inches and spaced at a maximum of 6 ft., and the fencing shall extend completely to the ground. Use a minimum of three wire ties to secure the fence at each post. Weave tension wire through the top row of strands to provide a top stringer that prevents sagging. Overlap two rolls at a post and secure with wire ties.

The Contractor shall maintain the Temporary Bus Stops when disturbed by construction operations, weather or as necessary to keep the access in compliance with ADAAG. A bus stop or pedestrian route location may need to be adjusted as necessary to suit the selected construction methods, and the location adjustment shall be considered maintenance. Depending on the amount of disturbance, maintaining the temporary bus stop may require removing and relaying the material in the same location.

METHOD OF MEASUREMENT

Temporary Bus Stop will be measured as Each Temporary Bus Stop acceptably installed, maintained and removed in a single location. If a temporary bus stop generally remains at the same location (serves the same stop/intersection) it will be considered a single location.

BASIS OF PAYMENT

This item, measured as provided above, will be paid for at the contract unit price which is full compensation for furnishing, loading, hauling material; for preparing the foundation; for furnishing, placing, maintaining, and removing temporary surface material; for reconstructing or relaying the temporary surface material; and for furnishing all labor, tools, equipment, and incidentals necessary to complete the work.

BID ITEM 90010 – RELOCATE WATER LATERAL SERVICE (UNDISTRIBUTED)

DESCRIPTION

Work under this item shall include all labor, materials, and incidentals necessary to modify and relocate water lateral services as necessary to avoid conflicts with the proposed storm sewer construction. This work shall include, but not be limited to, installation of vertical offsets to go beneath the proposed storm sewer, or horizontal offsets to go around the proposed storm sewer. It is anticipated that the length of pipe to be relocated would be limited to the immediate crossing of the storm sewer. The work will include new joints, piping matching existing size and material, valves and other materials necessary to complete the work. Prior to construction, all ULOs and any necessary redesign shall be completed in order to avoid potential conflicts. All finished work must be inspected and approved by the Water Utility Construction Supervisor and shall conform to all relevant sections of the City of Madison Standards Specifications for Public Works Construction latest edition. This work shall include all labor, materials, excavation and disposal of materials and all incidentals necessary to perform the work.

Contact Jeff Belshaw (jbelshaw@madisonwater.org, 608-261-9835) for coordination if water service relocation may be necessary.

METHOD OF MEASUREMENT

RELOCATE WATER LATERAL SERVICE shall be measured per each specific instance as identified in the field.

BASIS OF PAYMENT

RELOCATE WATER LATERAL SERVICE shall be paid for at the contract unit price, which shall be full compensation for all excavation, disposal of removed material, preparation of subgrade including sub-base, furnishing materials, backfilling and trench restoration, insulation installation, fill, topsoil, and for all labor, tools, equipment and incidentals necessary to complete the work.

BID ITEM 90011 – RELOCATE WATER MAIN (UNDISTRIBUTED)

DESCRIPTION

Work under this item shall include all labor, materials, and incidentals necessary to modify and relocate water main as necessary to avoid conflicts with the proposed storm sewer construction. This work shall include, but not limited to, installation of windows to go beneath the proposed storm sewer, or offsets to go around the proposed storm sewer. It is anticipated that the length of pipe to be relocated would be limited to the immediate crossing of the storm sewer. The work will include new joints, piping matching existing size, valves and other materials necessary to complete the work. Prior to construction, all ULOs and any necessary redesign shall be completed in order to avoid potential conflicts. All finished work must

be inspected and approved by the Water Utility Construction Supervisor and shall conform to all relevant sections of the City of Madison Standard Specifications for Public Works Construction latest edition. This work shall include all labor, materials, excavation and disposal of materials and all incidentals necessary to perform the work.

Contact Jeff Belshaw (jbelslaw@madisonwater.org, 608-261-9835) for coordination if water service relocation may be necessary.

METHOD OF MEASUREMENT

RELOCATE WATER MAIN shall be measured per each specific instance as identified in the field.

BASIS OF PAYMENT

RELOCATE WATER MAIN shall be paid for at the contract unit price, which shall be full compensation for all excavation, disposal of removed material, preparation of subgrade including subbase, furnishing materials, backfilling and trench restoration, insulation installation, fill, topsoil, and for all labor, tools, equipment and incidentals necessary to complete the work.

BID ITEM 90012 – ROOF FASTENING WRAP FOR STORM SAS

DESCRIPTION

Work under this item shall include all labor, materials, and incidentals necessary to install a roof fastening wrap or bands to the exterior of the 6' x 6' storm sewer access structure S7-A. This includes the fastening material, furnishing all materials, tools, equipment, labor, and any and all items necessary to complete the work in accordance with the material manufacturer's installation instructions, Plans, Special Provisions, and City of Madison Standard Specifications for Public Works Construction 2022 Edition.

Materials

The roof fastening wrap or bands shall be a carbon fiber reinforced polymer, such as V-Wrap C100, or an alternative approved material with sufficient material strength to hold the roof to the rest of the structure when storm water surcharges from the structure.

Construction Methods

Each fastening wrap or band shall be applied to the exterior of the storm SAS in one piece in a manner that fastens the roof to the rest of the structure. The wrap or band shall run underneath the structure, up both walls, and over the top of the roof of the structure such that the ends of the wrap or band overlap. The wrap or band shall be fastened to the structure and the overlapping portion of the wrap in accordance with the material manufacturer's instructions. All material installation and construction methods shall conform to the material manufacturer's instructions, Plans, Special Provisions, and City of Madison Standard Specifications for Public Works Construction 2022 Edition.

METHOD OF MEASUREMENT

ROOF FASTENING WRAP FOR STORM SAS shall be measured per square foot as identified on the plans and specifications, as well as in the field.

BASIS OF PAYMENT

ROOF FASTENING WRAP FOR STORM SAS shall be measured and paid at the contract unit price per square foot. This price shall be full compensation for the fastening material, furnishing all materials, tools, equipment, labor, and any and all items necessary to complete the work in accordance with the Plans, Special Provisions, and City of Madison Standard Specifications for Public Works Construction 2022 Edition.

BID ITEM 90013 – 42 INCH TYPE II PAVEMENT STORM SEWER PIPE

DESCRIPTION

Work under this item shall consist of excavating required trenches, furnishing and laying therein 42 inch diameter type II storm sewer pipe, including all necessary bedding, backfill, labor, tools, supplies, materials, and any and all items necessary to complete the work in accordance with the plans and Article 504 of the City of Madison Standard Specifications for Public Works Construction 2022 Edition.

METHOD OF MEASUREMENT

42 INCH TYPE II PAVEMENT STORM SEWER PIPE shall be paid by the linear foot of pipe installed.

BASIS OF PAYMENT

42 INCH TYPE II PAVEMENT STORM SEWER PIPE, measured as described above, will be paid at the contract price and shall be considered full compensation for all work, materials and incidentals to complete the work as described above.

BID ITEM 90014 – 48 INCH TYPE II PAVEMENT STORM SEWER PIPE

DESCRIPTION

Work under this item shall consist of excavating required trenches, furnishing and laying therein 48 inch diameter type II storm sewer pipe, including all necessary bedding, backfill, labor, tools, supplies, materials, and any and all items necessary to complete the work in accordance with the plans and Article 504 of the City of Madison Standard Specifications for Public Works Construction 2022 Edition.

METHOD OF MEASUREMENT

48 INCH TYPE II PAVEMENT STORM SEWER PIPE shall be paid by the linear foot of pipe installed.

BASIS OF PAYMENT

48 INCH TYPE II PAVEMENT STORM SEWER PIPE, measured as described above, will be paid at the contract price and shall be considered full compensation for all work, materials and incidentals to complete the work as described above.

BID ITEM 90015 – REMOVE AND REPLACE STONE WALL

DESCRIPTION

Work under this item shall include all work, material, equipment, and incidentals necessary to remove and replace a portion of the stone retaining wall, located at the northwest corner of 5329 Old Middleton Rd., as shown on plan sheet U-9. This item includes, but is not limited to, removal and salvage of stones as needed to facilitate removal of existing storm structure R14 and installation of new storm structure S29-B, and replacement of the stone wall upon completion of the storm sewer installation.

The City shall be responsible for notifying the property owner of the proposed work and provide them the opportunity to remove the stone wall themselves. Work included under Remove and Replace Stone Wall shall take place within the utility easement where the existing storm sewer is located, shown on the plans. If work must extend outside of the easement, a signed Right of Entry shall be obtained from the property owner prior to the Contractor beginning work included with this bid item. The Contractor shall notify the property owner of the timing of the work associated with this bid item one week prior to beginning it.

METHOD OF MEASUREMENT

REMOVE AND REPLACE STONE WALL shall be paid by the linear foot of stone wall satisfactorily salvaged and replaced.

BASIS OF PAYMENT

REMOVE AND REPLACE STONE WALL, measured as described above, will be paid at the contract price and shall be considered full compensation for all work, materials and incidentals to complete the work as explained in the description above.

BID ITEM 90020 - SANITARY SEWER FORCE MAIN – 18 INCH

DESCRIPTION

Work under this item shall consist of excavating required trenches, furnishing and laying therein PVC force main, including all necessary fittings, bedding, backfill, labor, tools, supplies, materials, and any and all items necessary to complete the work in accordance with the Plans, Special Provisions, and City of Madison Standard Specifications for Public Works Construction 2022 Edition.

Materials

Work under this item shall include the installation of an 18 inch PVC force main sewer at the alignment and grades shown on the plans. Force main pipe shall be PVC, AWWA C900, Class 150 (DR-18) as specified in Article 503.2(c) of the City Specifications. Acceptable pipe shall be JM Eagle's Blue Brute Class 150 (DR-18) or approved equal.

All PVC plastic force main piping shall be suitable for use as a pressure conduit. All pipe joints shall employ use of elastomeric gasket rings. Elastomeric gaskets shall be manufactured to conform to the requirements of ASTM F477. Bell sections shall be designed to be at least as strong hydrostatically as the pipe wall and shall meet the requirements of AWWA C900-89. Standard laying lengths shall be 20 feet and shall be used for 85% of the total footage of pipe to be laid. Random lengths of pipe shall not be less than 10 feet long and shall not be used for more than 15% of the total footage of pipe to be laid.

The Contractor shall use standard mechanical joint bends and kink points, if necessary, to accommodate changes in the horizontal and vertical alignment of the force main and provide thrust blocking at each of these points. Fittings shall be ductile iron mechanical joints as specified in Article 503.2(c) of the Standard Specifications, 2022 Edition. Buttresses shall be high early strength concrete. Solid concrete blocks may be used when approved by the City Construction Representative. The cost of furnishing and installing all necessary bends, fittings, and other appurtenances, as well as thrust blocking, shall be considered incidental to this item. The Contractor shall also provide joint restraint, in addition to thrust blocking, at all 22.5 degree bends and all joints 15 feet on either side of any 22.5 degree bend.

Acceptable joint restraints shall be mechanical joint restraining glands with multiple locking wedges, EBAA Iron Sales, MEGALUG Series 2000PV, or equal. The joint restraints shall have a pressure rating equal to that of the PVC pipe on which it is to be used. The cost of furnishing and installing joint restraints shall be included in this bid item.

Ductile iron fittings shall conform to the requirements of the American National Standard for Ductile Iron and Gray Iron Fittings, for Water and Other Liquids, ASA A21.10 (AWWA C110). The outside dimensions of all ductile iron fittings shall be compatible with those of the PVC piping material. The fittings for ductile iron piping shall be Pressure Class 350 mechanical joint pipe fittings, cement-lined and seal-coated. Ductile iron fittings shall be wrapped with Type I, class C, grade E-1, 8 mil polyethylene encasement in accordance with AWWA C105.

Construction Methods

It is intended for the force main to be installed by open trench excavation. All construction methods shall conform to the Plans, Special Provisions, and City of Madison Standard Specifications for Public Works Construction 2022 Edition.

Connecting to Existing Force Main

The Contractor shall be responsible for dewatering existing force main prior to making the connection between new and existing force main. The force main connection shall be done between 9:30 A.M. and 12:00 P.M. The Contractor shall be responsible for coordination and cost of sewage bypass pumping or disposal. The Contractor shall notify the City and MMSD 48-hours prior to needing access to the Gettle Lift Station and at least 24-hours prior to dewatering the force main and making the new force main connection. The new force main shall be installed in such a way that minimizes down time on the existing force main and Gettle Lift Station.

Sewer Electronic Marker Balls

Contractor shall install SEWER ELECTRONIC MARKERS above the force main, in accordance with Article 503.2(f) and 503.2(g) of the Standard Specifications, 2022 Edition, at all horizontal bends in the force main pipe and at a maximum spacing of 25 feet along the force main pipe. SEWER ELECTRONIC MARKERS (to be provided by the City) shall be paid separately under BID ITEM 50390.

Pressure Testing

The force main shall be installed and tested prior to making the final connection. Pressure testing shall be done in conformance with 503.1(c) of the Standard Specifications, 2022 Edition.

METHOD OF MEASUREMENT

SANITARY SEWER FORCE MAIN – 18 INCH shall be measured by linear foot of pipe installed, measured along the center line of the pipe, center to center of junctions and fittings. There shall be no deductions from the measured lengths for fitting installations.

BASIS OF PAYMENT

SANITARY SEWER FORCE MAIN – 18 INCH shall be measured and paid at the contract unit price per lineal foot. This price shall be full compensation for all excavation, bedding, native backfill, compacting, providing and installing thrust blocking, providing and installing joint restraints and fittings, connections to the existing sanitary sewer, cleaning out the main, restraint testing, testing the main, furnishing all materials, permanent fittings, temporary fittings, tools, equipment, labor, and any and all items necessary to complete the work in accordance with the Plans, Special Provisions, and City of Madison Standard Specifications for Public Works Construction 2022 Edition.

BID ITEM 90030 - INSTALL AND MAINTAIN SUPPORT STRUCTURES FOR STREET LIGHTS AND TEMPORARY TRAFFIC SIGNALS

DESCRIPTION

This special provision describes furnishing, installing, maintaining, relocating and removing wood poles, guy wires, luminaries, arms and aerial cable required to maintain 100% of the existing lighting system and wood poles required for Temporary Traffic Signals. The Temporary traffic signals will be installed and maintained by the City of Madison. Contact City Traffic Engineering (Gretchen Avilés Piñero, gavilespineiro@cityofmadison.com) for details on planned temporary traffic signal. 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 and guy wires shall be according to State of Wisconsin Standard Spec 661.

The contractor shall keep streetlights in operation throughout the construction project until new lights are installed and operational.

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.

Furnish and install Type 4 wood poles, 35' long. Luminaries shall be 125 watt LED 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. Also maintain existing lighting circuits which power lighting poles outside of the construction limits. Maintenance includes but is not limited to replacement of burned out lamps, replacement of knocked down poles, relocation of poles in conflict with construction 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

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

BASIS OF PAYMENT

Install and Maintain Support Structures for Street Lights and 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, including any required relocation of poles in conflict with construction, aerial cable, luminaries, arms, guy wires, maintaining lighting units, maintaining lighting circuits, replacement of burned out lamps, replacement of knockdowns, and for furnishing and installing splice connectors.

When Contractors have men and equipment working within 25-feet on either side of the Railroad track centerline, Federal Regulations mandate protection must be provided by qualified Railroad flagman. Equipment with extensions, such as a crane boom, that are near enough to reach within 25-feet of the track also requires the proper protection.

This form is to be used to document and verify the time needed for the protection and inspection prior to putting the track back into service. A contractor must contact the railroad a minimum of 48-hours unless stipulated in order to schedule and receive approval from the Roadmaster or Division Engineer to provide the protection.

Railroad Name				
Cost		Explanation		
\$106.00		Per hour with a four-hour minimum up to eight hours in any week day		
\$150.34		Per hour for all hours over eight in any week day		
\$150.34		Per hour with a four-hour minimum up to eight hours on Saturday's		
\$150.34		Per hour for all hours over eight on Saturday's or up to eight hours on Sunday's or holidays		
Flagging Request				
Date Submitted				
Date Requested				
State Project #				
Project Type				
Location of Work to be Completed				
Cross Street				
City				
State				
On Site Contact				
RR Milepost				
Subdivision				
State Contract/Permit Number				
Digger's Hotline Number				
Billing Information to submit invoices for Reimbursements				
Company				
Address				
City, State				
Zip Code				
Contact Name				
Phone Number				
Email Address to send Invoice				
Flagging Hours				
Railroad Team Member				
Date	Start Time	Finish Time	Hours Billed	Approver's Initials
Total Approved Billable Hours				
Contractor Signature				
Date				
By signing, I verify that the hours are true and accurate to be billed for flagging services provided by the railroad.				



Legend

Denotes Boring Location

Notes

1. Boring locations are approximate
2. Soil Borings performed by Badger State Drilling in November 2020

Scale: Reduced

Date: 11/2020
Job No.: C20051-30



Soil Boring Location Map
Old Middleton Rd & Craig Ave
Madison, WI



LOG OF TEST BORING

Project Old Middleton Rd./Craig Ave.
625'E of Eau Claire, EB On-Ramp
 Location Madison, Wisconsin

Boring No. 1
 Surface Elevation (ft) 932±
 Job No. C20051-30
 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
					6.5 in. Asphalt Pavement/9 in. Base Course					
1		2	M	50/3"	FILL: Very Dense Brown Sand with Gravel and Trace Silt					
2		6	M	55/9"	Apparent Weathered to Competent Bedrock					
3				50/0"	End Boring at 6 ft Due to Auger Refusal on Presumed Bedrock Borehole Backfilled with Soil Cuttings and Asphalt Patch					

WATER LEVEL OBSERVATIONS

GENERAL NOTES

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

Start 11/20/20 End 11/20/20
 Driller BSD Chief MC Rig CME-55
 Logger CB Editor ESF
 Drill Method 2.25" HSA; Autohammer

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



LOG OF TEST BORING

Project Old Middleton Rd./Craig Ave.
275'E of Whitney, Near Centerline
 Location Madison, Wisconsin

Boring No. 2
 Surface Elevation (ft) 925±
 Job No. C20051-30
 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	LI				
					X	7 in. Asphalt Pavement/7 in. Base Course									
1		18	M	32		FILL: Dense Brown Sand with Trace Clay and Gravel									
2		18	M	14		Stiff, Brown Lean CLAY (CL)					(1.75)				
3		18	M	15		Medium Dense, Brown Fine to Medium SAND, Little to Some Silt and Gravel (SP-SM/SM)									
4		14	M	28		Medium Dense to Dense, Brown Fine to Medium SAND, Some Silt and Gravel, Scattered Cobbles and Boulders (SM)									
5		18	M	30		End Boring at 15 ft									
						Borehole Backfilled with Bentonite Chips and Asphalt Patch									

WATER LEVEL OBSERVATIONS

GENERAL NOTES

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

Start 11/20/20 End 11/20/20
 Driller BSD Chief MC Rig CME-55
 Logger CB Editor ESF
 Drill Method 2.25" HSA; Autohammer

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



LOG OF TEST BORING

Project Old Middleton Rd./Craig Ave.
225'W of Whitney, Near Centerline
 Location Madison, Wisconsin

Boring No. 3
 Surface Elevation (ft) 919±
 Job No. C20051-30
 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 in. Base Course					
1	8	M	57/ 11"		FILL: Very Dense Brown Sand with Silt, Gravel and Clay					
2	18	M	5	5	Medium Stiff, Brown Lean CLAY (CL)	(0.75)				
3	18	M	8			(0.75)				
4	18	M	6	10	Becoming Soft to Very Soft and Sandy Near 8'	(0.25)				
5	18	M	19		Medium Dense, Brown Fine to Medium SAND, Little to Some Silt and Gravel (SP-SM/SM)					
6	18	M	22	15						
				20	End Boring at 15 ft Borehole Backfilled with Bentonite Chips and Asphalt Patch					

WATER LEVEL OBSERVATIONS

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

GENERAL NOTES

Start 11/19/20 End 11/19/20
 Driller BSD Chief MC Rig CME-55
 Logger CB Editor ESF
 Drill Method 2.25" HSA; Autohammer

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



LOG OF TEST BORING

Project Old Middleton Rd./Craig Ave.
340'W of Merrill Crest, Near Centerline
 Location Madison, Wisconsin

Boring No. 4
 Surface Elevation (ft) 906±
 Job No. C20051-30
 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 SPT	Rec (in.)	Moist	N		Depth (ft)	qu (qa) (tsf)	W	LL	PL
					7.5 in. Asphalt Pavement/6 in. Base Course					
1		18	M	26	FILL: Medium Dense Brown Sand with Silt, Gravel and Clay					
2		18	M	13	Stiff, Brown Sandy Lean CLAY (CL)	(1.5)				
3		18	M	31	Dense, Brown Fine to Medium SAND, Some Silt and Gravel, Scattered Cobbles and Boulders (SM)					
4		18	M	23	Medium Dense to Very Dense, Light Brown Fine SAND, Some Gravel, Trace to Little Silt (SP/SP-SM)					
5		10	M	50/4"						
					End Boring at 15 ft					
					Borehole Backfilled with Bentonite Chips and Asphalt Patch					

WATER LEVEL OBSERVATIONS

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

GENERAL NOTES

Start 11/20/20 End 11/20/20
 Driller BSD Chief MC Rig CME-55
 Logger CB Editor ESF
 Drill Method 2.25" HSA; Autohammer

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



LOG OF TEST BORING

Project Old Middleton Rd./Craig Ave.
300'W of Gettle, 18'S of Centerline
 Location Madison, Wisconsin

Boring No. 5
 Surface Elevation (ft) 905±
 Job No. C20051-30
 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
					6.5 in. Asphalt Pavement/8 in. Base Course					
1	18	M	25		FILL: Medium Dense Brown Sand with Silt and Gravel					
2	18	M	10		Medium Dense to Loose, Light Brown Fine SAND, Trace Silt and Gravel (SP)					
3	18	M	9							
4	18	M	7		Loose to Medium Dense, Light Brown Fine SAND, Some Gravel, Trace to Little Silt (SP/SP-SM)					
5	18	M	13							
					End Boring at 15 ft					
					Borehole Backfilled with Bentonite Chips and Asphalt Patch					

WATER LEVEL OBSERVATIONS

GENERAL NOTES

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

Start 11/20/20 End 11/20/20
 Driller BSD Chief MC Rig CME-55
 Logger CB Editor ESF
 Drill Method 2.25" HSA; Autohammer

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



LOG OF TEST BORING

Project Old Middleton Rd./Craig Ave.
200' SE of Rosa, 15' SW of Centerline
 Location Madison, Wisconsin

Boring No. 6
 Surface Elevation (ft) 911±
 Job No. C20051-30
 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
					X	7 in. Asphalt Pavement/3 in. Base Course				
1	14	M	15							
2	4	M	20							
				5		Medium Dense, Brown Fine to Medium SAND, Trace Silt (SP)				
3	18	M	16							
4	18	M	13			Medium Dense, Light Brown Fine SAND, Some Gravel, Trace to Little Silt (SP/SP-SM)				
				10		Gravelly Layer Noted by Drillers Near 11'				
5	18	M	19							
				15		End Boring at 15 ft				
						Borehole Backfilled with Bentonite Chips and Asphalt Patch				
				20						

WATER LEVEL OBSERVATIONS

GENERAL NOTES

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

Start 11/19/20 End 11/19/20
 Driller BSD Chief MC Rig CME-55
 Logger CB Editor ESF
 Drill Method 2.25" HSA; Autohammer

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



LOG OF TEST BORING

Project Old Middleton Rd./Craig Ave.
110'NW of Rosa, 5'NE of Centerline
 Location Madison, Wisconsin

Boring No. 7
 Surface Elevation (ft) 908±
 Job No. C20051-30
 Sheet 1 of 1

2921 Ferry 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
					7 in. Asphalt Pavement/8 in. Base Course					
1	18	M	31		FILL: Dense Gray Sandy Silt with Gravel					
2	18	M	12		Very Stiff to Medium Stiff, Brown Lean CLAY, Trace Sand (CL)	(2.25)				
3	18	M	8			(0.75)				
4	10	M	15		Medium Dense to Very Dense, Brown Fine to Medium SAND, Some Silt and Gravel, Scattered Cobbles and Boulders (SM)					
5	14	M	51							
					End Boring at 15 ft					
					Borehole Backfilled with Bentonite Chips and Asphalt Patch					

WATER LEVEL OBSERVATIONS

GENERAL NOTES

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

Start 11/20/20 End 11/20/20
 Driller BSD Chief MC Rig CME-55
 Logger CB Editor ESF
 Drill Method 2.25" HSA; Autohammer

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



LOG OF TEST BORING

Project Old Middleton Rd./Craig Ave.
75'SE of Lynwood, 10'NE of Centerline
 Location Madison, Wisconsin

Boring No. 8
 Surface Elevation (ft) 916±
 Job No. C20051-30
 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
					5.5 in. Asphalt Pavement/7.5 in. Base Course					
1	8	M	7		FILL: Medium Stiff Brown Clay with Sand and Gravel	(0.75)				
					Medium Stiff, Brown Lean CLAY (CL)					
2	18	M	10		Medium Stiff, Gray Sandy Lean CLAY (CL)	(0.75)				
				5						
3	18	M	9		Loose, Brown Silty Fine SAND (SM)	(0.75)				
					Medium Dense, Light Brown Fine SAND, Trace Silt and Gravel (SP)					
4	18	M	8							
				10						
5	18	M	25		End Boring at 15 ft					
					Borehole Backfilled with Bentonite Chips and Asphalt Patch					
				15						
				20						

WATER LEVEL OBSERVATIONS

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

GENERAL NOTES

Start 11/19/20 End 11/19/20
 Driller BSD Chief MC Rig CME-55
 Logger CB Editor ESF
 Drill Method 2.25" HSA; Autohammer

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



LOG OF TEST BORING

Project Old Middleton Rd./Craig Ave.
65'N of Englewood, Near Centerline
 Location Madison, Wisconsin

Boring No. 9
 Surface Elevation (ft) 921±
 Job No. C20051-30
 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.	Rsp (in.)	Rec (in.)	Moist	N		Depth (ft)	qu (qa) (tsf)	W	LL	PL
					0	6 in. Asphalt Pavement/9 in. Base Course				
1		18	M	12	1	FILL: Medium Dense Brown Sand with Silt, Gravel and Clay				
					2	Stiff, Brown Lean CLAY, Trace Sand (CL)				
2		18	M	9	3	(1.5)				
					4	Soft to Very Soft, Gray and Brown (Mottled) Sandy Lean CLAY (CL)				
3		18	M	6	5	(0.25)				
					6	Loose, Brown Fine SAND, Trace to Little Silt and Gravel (SP/SP-SM)				
4		18	M	7	7					
					8	Medium Dense, Light Brown Fine SAND, Trace Silt and Gravel (SP)				
5		18	M	16	15					
					15	End Boring at 15 ft				
					15	Borehole Backfilled with Bentonite Chips and Asphalt Patch				
					20					

WATER LEVEL OBSERVATIONS

GENERAL NOTES

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

Start 11/19/20 End 11/19/20
 Driller BSD Chief MC Rig CME-55
 Logger CB Editor ESF
 Drill Method 2.25" HSA; Autohammer

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



LOG OF TEST BORING

Project Old Middleton Rd./Craig Ave.
550'N of Englewood, 10'E of Centerline
 Location Madison, Wisconsin

Boring No. 10
 Surface Elevation (ft) 929±
 Job No. C20051-30
 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
					X	6 in. Asphalt Pavement/9 in. Base Course				
1	10	M	24			Medium Dense to Dense, Brown to Gray Fine to Medium SAND, Some Silt and Gravel, Scattered Cobbles and Boulders (SM - Possible Fill to 3')				
2	18	M	30							
3	18	M	44							
4	18	M	44							
5	2	M	50/3"							
						Becoming Predominantly Brown and Very Dense Near 13'				
						End Boring at 15 ft				
						Borehole Backfilled with Bentonite Chips and Asphalt Patch				

WATER LEVEL OBSERVATIONS

GENERAL NOTES

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

Start 11/20/20 End 11/20/20
 Driller BSD Chief MC Rig CME-55
 Logger CB Editor ESF
 Drill Method 2.25" HSA; Autohammer

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



LOG OF TEST BORING

Project Old Middleton Rd./Craig Ave.
100'S of Highlands (N), 15'E of Centerline
 Location Madison, Wisconsin

Boring No. 11
 Surface Elevation (ft) 948±
 Job No. C20051-30
 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.	Rc (in.)	Moist	N	Depth (ft)		qu (qa) (tsf)	W	LL	PL	LI
				0	X	6 in. Asphalt Pavement/8 in. Base Course				
1	18	M	21	3	Hatched	FILL: Medium Dense Brown Sand with Silt, Gravel and Clay to 3'				
2	18	M	14	5	Grid	Medium Dense Silty Fine Sand with Occasional Gravel to 13'				
3	18	M	23	10	Grid					
4	18	M	23	10	Grid					
5	18	M	14	15	Diagonal	Stiff, Brown Lean CLAY, Trace Sand (CL)				
				15	Dashed	End Boring at 15 ft				
				20	Dashed	Borehole Backfilled with Bentonite Chips and Asphalt Patch				

WATER LEVEL OBSERVATIONS

GENERAL NOTES

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

Start 11/20/20 End 11/20/20
 Driller BSD Chief MC Rig CME-55
 Logger CB Editor ESF
 Drill Method 2.25" HSA; Autohammer

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



LOG OF TEST BORING

Project Old Middleton Rd./Craig Ave.
260' SE of Capital, 15' W of Centerline
 Location Madison, Wisconsin

Boring No. 12
 Surface Elevation (ft) 923±
 Job No. C20051-30
 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/7 in. Base Course					
1	18	M	7		Stiff, Brown Lean CLAY, Trace Sand (CL)	(1.25)				
2	18	M	7			(1.5)				
3	18	M	6		Loose to Medium Dense, Brown Fine to Medium SAND, Little to Some Silt and Gravel (SP-SM/SM)					
4	18	M	22							
5	10	M	23							
					End Boring at 15 ft					
					Borehole Backfilled with Bentonite Chips and Asphalt Patch					

WATER LEVEL OBSERVATIONS

GENERAL NOTES

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

Start 11/20/20 End 11/20/20
 Driller BSD Chief MC Rig CME-55
 Logger CB Editor ESF
 Drill Method 2.25" HSA; Autohammer

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



LOG OF TEST BORING

Project Old Middleton Rd./Craig Ave.
 Location Craig: 25'S of Brody, 10'E of Centerline
Madison, Wisconsin

Boring No. 13
 Surface Elevation (ft) 873±
 Job No. C20051-30
 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
					X	4 in. Asphalt Pavement/6 in. Base Course				
1	18	M	10		/	Stiff, Gray Lean CLAY, Trace Sand (CL)				
				5						
2	18	M/W	9		-	Loose, Gray to Brown Laminated SILT and SAND (ML/SM)				
				10						
3	18	W	17		.	Medium Dense, Brown Fine to Coarse SAND, Some Silt and Gravel, Occasional Seams and Layers of Silt, Silty Fine Sand or Stiff Lean Clay (SM)				
				15						
4	18	W	16			(1.25)				
				20						
5	18	W	28			(1.5)				
				25		End Boring at 15 ft				
				30		Borehole Backfilled with Bentonite Chips and Asphalt Patch				

WATER LEVEL OBSERVATIONS				GENERAL NOTES	
While Drilling	▽ 6.0'	Upon Completion of Drilling	6'	Start	11/19/20
Time After Drilling			30 Min.	Driller	BSD Chief MC Rig CME-55
Depth to Water			6' ▼	Logger	CB Editor ESF
Depth to Cave in			12'	Drill Method	2.25" HSA; Autohammer
The stratification lines represent the approximate boundary between soil types and the transition may be gradual.					



LOG OF TEST BORING

Project Old Middleton Rd./Craig Ave.
Craig: 575'S of Brody, 10'E of Centerline
 Location Madison, Wisconsin

Boring No. **14**
 Surface Elevation (ft) 874±
 Job No. C20051-30
 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.	EXPT Rec (in.)	Moist	N	Depth (ft)		q _u (qa) (tsf)	W	LL	PL	LI
					X	4.5 in. Asphalt Pavement/6 in. Base Course				
1	18	M	17		G	FILL: Medium Dense Brown to Gray Sand with Silt, Gravel and Clay				
2	18	M/W	8	▼	H	Medium Stiff to Soft, Gray Sandy Lean CLAY (CL)	(0.5)			
3	18	M	25	▼	S	Medium Dense, Brown Silty Fine to Coarse SAND, Trace Gravel (SM)				
4	0	-	50/0"			End Boring at 8 ft Due to Auger Refusal on Presumed Boulder or Possible Bedrock Borehole Backfilled with Bentonite Chips and Asphalt Patch				

WATER LEVEL OBSERVATIONS

While Drilling 7.5' Upon Completion of Drilling 4'
 Time After Drilling _____ 30 Min.
 Depth to Water _____ 4' ▼
 Depth to Cave in _____ 5.5'

GENERAL NOTES

Start 11/19/20 End 11/19/20
 Driller BSD Chief MC Rig CME-55
 Logger CB Editor ESF
 Drill Method 2.25" HSA; Autohammer

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



LOG OF TEST BORING

Project Old Middleton Rd./Craig Ave.
 Location Craig: 1000'S of Brody, 15'E of Centerline
Madison, Wisconsin

Boring No. 15
 Surface Elevation (ft) 878±
 Job No. C20051-30
 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
					5 in. Asphalt Pavement/5.5 in. Base Course					
1	18	M	9	9	Stiff, Dark Brown to Dark Gray Lean CLAY (CL)	(1.25)				
2	18	M	9	9	Stiff to Medium Stiff, Gray Sandy Lean CLAY (CL)	(1.0)				
3	14	M	24	24	Medium Dense, Brown Fine to Medium SAND, Some Silt and Gravel, Scattered Cobbles and Boulders (SM)					
4	18	M	25	25	Medium Dense, Brown Fine to Coarse SAND, Some Silt and Gravel, Occasional Seams and Layers of Silt, Silty Fine Sand or Stiff Lean Clay (SM)					
5	18	W	18	18	End Boring at 15 ft Borehole Backfilled with Bentonite Chips and Asphalt Patch					

WATER LEVEL OBSERVATIONS

GENERAL NOTES

While Drilling ∇ 10.0' Upon Completion of Drilling 10'
 Time After Drilling _____ 30 Min.
 Depth to Water _____ 10' ∇
 Depth to Cave in _____ 12'

Start 11/19/20 End 11/19/20
 Driller BSD Chief MC Rig CME-55
 Logger CB Editor ESF
 Drill Method 2.25" HSA; Autohammer

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



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Kathleen M. Cryan
Principal Engineer 2
John S. Fahrney, P.E.
Christopher J. Petykowski, P.E.
Janet Schmidt, P.E.
Principal Engineer 1
Christina M. Bachmann, P.E.
Mark D. Moder, P.E.
James M. Wolfe, P.E.
Facilities & Sustainability
Bryan Cooper, Principal Architect
Financial Manager
Steven B. Danner-Rivers

March 15, 2022

**NOTICE OF ADDENDUM
ADDENDUM 1
CONTRACT NO. 8650, PROJECT NO. 13175
OLD MIDDLETON ROAD AND CRAIG AVENUE RESURFACING
ASSESSMENT DISTRICT - 2021**

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

SPECIAL PROVISIONS:

REVISE: Remove from Section 105.12 COOPERATION BY THE CONTRACTOR

Contact Erik Rehr of MMSD with questions regarding the Gettle Lift Station, (608) 222-1201 ext. 294. The MMSD field contacts for access are Ray Schneider, RayS@madsewer.org or (608) 347-3628, and Jen Hurlebaus, JenH@madsewer.org or (608) 222-1201 ext. 248.

REVISE: Insert into Section 105.12 COOPERATION BY THE CONTRACTOR

The contractor shall coordinate with MMSD regarding the timing of bypass pumping and/or wastewater disposal, as described in the specifications for Bid Item 50361 Heavy Wastewater Control. Contact Erik Rehr of MMSD with questions regarding the Gettle Lift Station, (608) 222-1201 ext. 294. The MMSD field contacts for access to the lift station are Ray Schneider, RayS@madsewer.org or (608) 347-3628, and Jen Hurlebaus, JenH@madsewer.org or (608) 222-1201 ext. 248.

MODIFY BID ITEM 50361 – HEAVY WASTEWATER CONTROL

REVISE: Remove from BID ITEM 50361 – HEAVY WASTEWATER CONTROL

Work under this bid item shall be in accordance with the City of Madison Standard Specifications for Public Works Construction, 2022 Edition. The Contractor shall remove all wastewater from the existing force main prior to installing pipe plugs and dispose of properly.

The Contractor shall provide temporary wastewater control equipment, labor, materials, coordination, and incidentals according to Article 503.3(g) of the standard specifications to maintain proper function of the sanitary sewer during connection of the new force main. All bypass wastewater work shall be the responsibility of the Contractor, and shall be payable under this Bid Item.

It is anticipated that pumper trucks will be required for the force main connection at the lift station and where the force main connects into the gravity sewer system. Wastewater haulers shall be equipped with booster pumps

for wet well dewatering.

The below table includes both total month run times in hours, as well as the total annual run times, and average daily run times for the Gettle Lift Station. The lift station contains two primary pumps and one backup pump. All pumps have a pumping rate of 2100 gpm (gallons per minute).

REVISE: Insert into BID ITEM 50361 – HEAVY WASTEWATER CONTROL

Work under this bid item shall be in accordance with the City of Madison Standard Specifications for Public Works Construction, 2022 Edition. The Contractor shall remove all wastewater from the existing force main prior to installing pipe plugs and dispose of properly. The check valve located just outside of the Gettle Lift Station can be opened at the time the existing force main needs to be drained before the force main is abandoned, however, this must be performed by MMSD staff rather than the Contractor. Contact MMSD at least two weeks prior to needing to drain the force main so MMSD staff can plan for and schedule this work. Contact the MMSD field contacts Ray Schneider, RayS@madsewer.org or (608) 347-3628, and Jen Hurlebaus, JenH@madsewer.org or (608) 222-1201 ext. 248 when planning to dewater the existing force main.

The Contractor shall provide temporary wastewater control equipment, labor, materials, coordination, and incidentals according to Article 503.3(g) of the standard specifications to maintain proper function of the sanitary sewer during connection of the new force main. All bypass wastewater work shall be the responsibility of the Contractor, and shall be payable under this Bid Item.

It is anticipated that pumper trucks will be required for the force main connection at the lift station and where the force main connects into the gravity sewer system. Wastewater haulers shall be equipped with booster pumps for wet well dewatering. Additionally, the City and MMSD will perform wet well cleaning while it is dewatered and the pumps are offline. It is anticipated that this cleaning work can be performed in one working day. The City and MMSD will coordinate with the Contractor to align the timing of cleaning with the planned pump outage and force main re-connection work.

The below table includes both total month run times in hours, as well as the total annual run times, and average daily run times for the Gettle Lift Station. The lift station contains two primary pumps and one backup pump. All pumps have a pumping rate of 2100 gpm (gallons per minute). Pump run time data show that in a typical hour during the day over the past five years, the pumps run for about six minutes. Based on the 1965 plans for the lift station, the wet well has a volume of roughly 900 cubic feet.

Please note that a copy of the sanitary sewer schedule and storm sewer schedule spreadsheets are being posted on as attachments on Bid Express. These Excel files are posted exclusively for reference and shall not be used for construction. Only the schedules in the stamped plan set shall be used for construction.

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.

Sincerely,



For:

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

RFP: maa

FOR REFERENCE ONLY - NOT FOR CONSTRUCTION

SANITARY SEWER SCHEDULE

OLD MIDDLETON RD. & CRAIG AVE. RESURFACING
PROJECT NO. 13175

SHEET NO.
U-18

SANITARY SEWER SCHEDULE

CITY OF MADISON

PROPOSED SANITARY STRUCTURES

SAS NO.	STATION	LOCATION (OFFSET)	TOP OF CASTING	E.I.	DEPTH	NOTES
OLD MIDDLETON RD						
SAS#1	1+95.98	LT-9.31	918.79	909.70	9.09	[2]
SAS#2	4+61.39	LT-9.04	922.67	912.46	10.21	[2]; [5]; 5' DIA. SAS
SAS#3	5+77.47	LT-9.10	927.64	913.72	13.92	[2]; [5]; 5' DIA. SAS
SAS#4	7+61.34	LT-9.13	938.94	927.00	11.94	-
SAS#5	1+86.35	RT-28.43	918.12	910.01	8.11	[2]
SAS#6	32+53.57	RT-110.14	907.47	898.74	8.73	-
SAS#7	32+37.73	RT-13.35	911.07	901.63	9.44	-
SAS#8	30+86.12	RT-21.06	912.67	902.49	10.18	-
SAS#9	29+96.05	RT-12.86	914.11	903.05	11.06	-
SAS#10	25+98.34	RT-5.47	916.84	905.14	11.70	[1]
SAS#11	24+19.29	RT-4.16	917.82	906.14	11.68	[2]; [5]; 5' DIA. SAS
SAS#12	22+96.53	RT-5.06	919.38	906.86	12.52	[2]
SAS#13	20+85.44	RT-5.54	922.72	908.01	14.71	[2]; [5]; 5' DIA. SAS
SAS#14	16+34.52	RT-2.32	931.94	918.00	13.94	[2]
SAS#15	15+55.47	RT-3.39	933.95	923.00	10.95	-
SAS#16	13+71.30	RT-5.34	941.96	932.00	9.96	[2]
SAS#17	30+52.71	RT-47.66	912.77	905.14	7.63	[2]
SAS#18	26+13.18	LT-36.31	916.41	907.20	9.21	[1]; [2]
SAS#19	20+85.59	RT-40.33	922.98	914.00	8.98	[2]; [5]; 5' DIA. SAS
SAS#20	37+92.24	RT-157.71	901.20	892.13	9.07	[2]
SAS#21	37+93.87	RT-11.64	910.99	895.00	15.99	[2]; [5]; 5' DIA. SAS
SAS#22	36+13.79	RT-11.18	911.46	895.83	15.63	-
SAS#23	34+78.40	RT-11.57	910.71	896.48	14.23	[1]; [2]
SAS#24	39+21.28	RT-9.70	910.32	895.61	14.71	[2]; [3]
SAS#25	45+32.17	RT-43.69	898.14	887.24	10.90	[1]; [2]; 5' DIA. SAS
SAS#26	46+06.64	LT-9.07	897.92	887.84	10.08	[1]; [8]
SAS#27	47+18.72	LT-8.90	898.54	890.18	8.36	[2]
SAS#28	49+84.84	LT-9.78	903.99	895.62	8.37	[2]
SAS#29	53+47.55	LT-6.69	919.22	910.24	8.98	[2]
SAS#30	55+47.20	RT-0.22	922.45	911.34	11.11	-
SAS#31	57+68.98	RT-2.33	920.32	912.55	7.77	-

SANITARY STRUCTURE ADJUSTMENTS

SAS NO.	STATION	LOCATION (OFFSET)	EX. TOC ELEV.	PROP. ELEV.	ADJUST DIFF.	NOTES
OLD MIDDLETON RD.						
EX SAS3147-011	7+85.95	LT-83.54	940.46	940.46	0.00	[2]; [3]
EX SAS3148-009	20+88.44	LT-14.30	922.32	922.27	-0.06	[2]; [3]
EX SAS3250-002	32+44.22	LT-41.49	910.99	910.99	0.00	[2]; [3]
EX SAS3250-011	37+86.10	RT-167.21	900.50	900.50	0.00	[2]; [3]
EX SAS3350-018	45+15.88	RT-7.53	898.02	897.71	-0.31	TWO CASTINGS
EX SAS3350-013	53+53.88	LT-10.89	919.41	919.41	0.00	-
EX SAS3350-029	53+55.28	RT-41.43	919.71	919.71	0.00	[2]; [3]
EX SAS3350-017	55+46.30	LT-11.38	922.30	922.38	0.08	-
EX SAS3450-010	58+13.25	LT-16.76	919.37	919.37	0.00	-
EX SAS3450-008	61+71.00	LT-22.29	916.48	916.60	0.12	-

SPECIFIC NOTES:

- [1] INSTALL INTERNAL CHIMNEY SEAL
- [2] EXISTING MAIN CONNECTIONS SHALL BE FIELD CORED AND COMPENSATED UNDER BID ITEM 50791 SANITARY SEWER TAP
- [3] RECONSTRUCT BENCH FLOWLINES
- [4] INSTALL EXTERNAL SEWER ACCESS STRUCTURE JOINT SEAL
- [5] USE INSIDE DROP AT INCOMING PIPE
- [6] DO NOT USE RISERS ON LATERALS
- [7] USE UTILITY PATCH TYPE III ON THIS RUN OF SEWER OUTSIDE OF STREET PAVING LIMITS MARKED ON PLANS
- [8] ANGLE BETWEEN INCOMING AND OUTGOING PIPE IS 144.4°

PROPOSED SANITARY PIPES

FROM (DNSTM)	TO (UPSTM)	DWNSTRM E.I.	UPSTRM E.I.	PLAN LGTH (FT)	SLOPE (%)	PIPE SIZE	PVC TYPE	NOTES
OLD MIDDLETON RD								
COUPLER	SAS#1	909.62	909.70	6	1.31%	8"	SDR-35	-
SAS#1	SAS#2	909.80	912.46	265	1.00%	8"	SDR-35	-
SAS#2	SAS#3	912.56	913.72	116	1.00%	8"	SDR-26	-
SAS#3	SAS#4	913.82	927.00	188	7.01%	8"	SDR-26	-
SAS#4	EX SAS3147-011	927.10	929.88	73	3.80%	8"	SDR-26	[7]
SAS#1	SAS#5	909.80	910.01	39	0.55%	8"	SDR-35	-
SAS#2	COUPLER	915.33	915.52	34	0.55%	8"	SDR-35	I.D. AT SAS#2
SAS#3	COUPLER	918.89	919.19	17	1.77%	8"	SDR-35	I.D. AT SAS#3
SAS#6	SAS#7	899.24	901.63	98	2.44%	8"	SDR-35	[7]
SAS#7	SAS#8	901.73	902.49	152	0.50%	8"	SDR-35	-
SAS#8	SAS#9	902.59	903.05	93	0.50%	8"	SDR-35	-
SAS#9	SAS#10	903.15	905.14	399	0.50%	8"	SDR-35	[6]
SAS#10	SAS#11	905.24	906.14	180	0.50%	8"	SDR-26	[6]
SAS#11	SAS#12	906.24	906.86	124	0.50%	8"	SDR-26	[6]
SAS#12	SAS#13	906.96	908.01	211	0.50%	8"	SDR-26	[6]
SAS#13	SAS#14	908.11	918.00	451	2.19%	8"	SDR-26	[6]
SAS#14	SAS#15	918.10	923.00	78	6.29%	8"	SDR-26	[6]
SAS#15	SAS#16	923.10	932.00	183	4.86%	8"	SDR-35	[6]
SAS#7	EX SAS3250-002	901.73	903.84	42	5.00%	8"	SDR-35	-
SAS#8	SAS#17	902.59	905.14	51	5.00%	8"	SDR-35	-
SAS#10	SAS#18	905.24	907.20	44	4.43%	8"	SDR-35	-
SAS#11	COUPLER	910.38	911.41	27	3.87%	8"	SDR-35	I.D. AT SAS#11
SAS#13	SAS#19	912.08	914.00	35	5.50%	8"	SDR-35	I.D. AT SAS#13 & SAS#19
SAS#13	EX SAS3148-009	908.11	909.55	17	8.28%	8"	SDR-26	-
EX SAS3250-011	SAS#20	892.00	892.13	13	1.00%	8"	SDR-35	[7]
SAS#20	SAS#21	892.23	895.00	146	1.90%	8"	SDR-26	[6]; [7]; I.D. AT SAS#21
SAS#21	SAS#22	895.10	895.83	182	0.40%	8"	SDR-26	[6]
SAS#22	SAS#23	895.93	896.48	139	0.40%	8"	SDR-26	[6]
SAS#21	SAS#24	895.10	895.61	127	0.40%	8"	SDR-26	[6]
SAS#25	SAS#26	887.34	887.84	92	0.55%	12"	SDR-35	-
SAS#26	SAS#27	887.94	890.18	112	2.00%	10"	SDR-35	-
SAS#27	SAS#28	890.28	895.62	267	2.00%	10"	SDR-35	-
SAS#28	SAS#29	895.72	910.24	363	4.00%	10"	SDR-35	-
SAS#29	SAS#30	910.34	911.34	199	0.50%	8"	SDR-35	-
SAS#30	SAS#31	911.44	912.55	222	0.50%	8"	SDR-35	-
SAS#27	COUPLER	890.56	891.91	30	4.44%	8"	SDR-35	-
SAS#28	COUPLER	895.97	898.59	33	7.98%	8"	SDR-35	-
SAS#29	COUPLER	911.02	911.47	27	1.68%	8"	SDR-35	-
SAS#31	EX SAS3350-014	912.65	913.25	27	2.22%	8"	SDR-35	-

4068	8"
742	10"
92	12"
2032	sdr26
2036	

SANITARY SEWER SCHEDULE

OLD MIDDLETON RD. & CRAIG AVE. RESURFACING	SHEET NO.
PROJECT NO. 13175	U-19
SANITARY SEWER SCHEDULE	
CITY OF MADISON	

SANITARY STRUCTURE REMOVALS & ABANDONMENTS

SAS NO.	STATION	LOCATION (OFFSET)	TOP OF CASTING	E.I.	DEPTH	NOTES
OLD MIDDLETON RD.						
EX SAS3146-007	1+95.24	LT-12.31	918.86	909.53	9.33	-
EX SAS3147-005	3+75.79	LT-11.64	920.65	913.18	7.47	-
EX SAS3147-006	4+61.38	LT-12.06	922.53	913.99	8.54	-
EX SAS3147-007	5+7.58	LT-12.08	927.58	915.18	12.40	-
EX SAS3147-008	7+37.18	LT-12.60	936.79	927.55	9.24	-
EX SAS3148-004	14+12.95	RT-3.97	939.94	931.22	8.72	-
EX SAS3148-005	15+12.50	LT-2.18	935.94	928.75	7.19	-
EX SAS3148-006	16+32.94	RT-7.49	932.01	925.86	6.15	-
EX SAS3149-002	24+22.97	RT-27.14	917.51	911.22	6.29	-
EX SAS3149-003	24+91.52	RT-26.11	917.70	907.18	10.52	-
EX SAS3149-007	25+91.60	RT-24.43	917.58	906.64	10.94	ABANDON
EX SAS3149-008	28+87.23	RT-26.04	916.26	905.24	11.02	-
EX SAS3150-018	30+80.81	RT-18.84	912.57	903.41	9.16	-
EX SAS3250-004	31+82.31	RT-31.97	911.28	902.21	9.07	-
EX SAS3350-005	45+32.17	RT-43.69	898.11	887.24	10.87	-
EX SAS3350-004	45+84.37	RT-21.86	897.82	887.78	10.04	ABANDON
EX SAS3350-003	47+19.26	RT-18.47	898.27	891.78	6.49	-
EX SAS3350-011	49+85.87	RT-10.44	904.22	896.91	7.31	ABANDON
EX SAS3350-030	53+51.62	RT-17.17	919.14	911.47	7.67	-
EX SAS3350-016	55+48.36	RT-26.61	920.54	912.75	7.79	ABANDON
EX SAS3350-015	57+16.17	RT-20.91	922.57	913.18	9.39	ABANDON

SANITARY PIPE REMOVALS & ABANDONMENTS

REMOVE FROM	REMOVE TO	PLAN LGTH (FT)	PIPE SIZE	PIPE TYPE	PAID (Y/N)	PAY LGTH	NOTES
OLD MIDDLETON RD.							
COUPLER	EX SAS3146-007		1 8"	VCP	N	-	-
EX SAS3146-007	SAS#5		42 8"	VCP	N	-	-
EX SAS3146-007	EX SAS3147-005		181 8"	VCP	N	-	-
EX SAS3147-005	EX SAS3147-006		86 8"	VCP	N	-	-
EX SAS3147-006	EX SAS3147-007		116 8"	VCP	N	-	-
EX SAS3147-006	COUPLER		34 8"	VCP	N	-	-
EX SAS3147-007	EX SAS3147-008		159 8"	VCP	N	-	-
EX SAS3147-007	COUPLER		11 8"	VCP	N	-	-
EX SAS3147-008	EX SAS3147-011		85 8"	VCP	Y	85	ABANDON W/ SLURRY
SAS#6	EX SAS3250-004		106 8"	VCP	Y	106	ABANDON W/ SLURRY
EX SAS3250-004	EX SAS3250-003		64 8"	VCP	Y	64	ABANDON W/ SLURRY
EX SAS3250-003	EX SAS3250-002		47 8"	VCP	Y	47	ABANDON W/ PLUGS
EX SAS3250-004	EX SAS3150-018		102 8"	VCP	Y	102	ABANDON W/ SLURRY
EX SAS3150-018	SAS#17		42 8"	VCP	N	-	-
EX SAS3150-018	SAS#9		87 8"	VCP	N	-	-
SAS#9	EX SAS3149-008		112 8"	VCP	Y	112	ABANDON W/ SLURRY
EX SAS3149-008	EX SAS3149-007		296 8"	VCP	Y	296	ABANDON W/ PLUGS
EX SAS3149-007	EX SAS3149-003		102 8"	VCP	Y	102	ABANDON W/ PLUGS
EX SAS3149-007	SAS#10		20 8"	VCP	Y	20	ABANDON W/ SLURRY
SAS#10	SAS#18		50 8"	VCP	N	-	-
EX SAS3149-003	EX SAS3149-002		75 8"	VCP	Y	75	ABANDON W/ PLUGS
EX SAS3149-003	EX SAS3148-009		410 8"	VCP	Y	410	ABANDON W/ SLURRY
EX SAS3148-009	SAS#19		48 8"	VCP	N	-	-
SAS#14	EX SAS3148-006		5 8"	VCP	N	-	-
EX SAS3148-006	EX SAS3148-005		119 8"	VCP	Y	119	ABANDON W/ SLURRY
EX SAS3148-005	EX SAS3148-004		99 8"	VCP	Y	99	ABANDON W/ SLURRY
EX SAS3250-011	SAS#20		18 8"	VCP	N	-	-
EX SAS3250-011	SAS#21		158 8"	VCP	Y	158	ABANDON W/ SLURRY
EX SAS3350-018	EX SAS3350-005		40 21"	VCP	N	-	-
EX SAS3350-005	EX SAS3350-004		57 12"	VCP	Y	57	ABANDON W/ PLUGS
EX SAS3350-004	EX SAS3350-003		135 10"	VCP	Y	135	ABANDON W/ SLURRY
EX SAS3350-003	EX SAS3350-011		266 10"	VCP	Y	266	ABANDON W/ SLURRY
EX SAS3350-011	EX SAS3350-030		365 10"	VCP	Y	365	ABANDON W/ SLURRY
EX SAS3350-030	EX SAS3350-016		199 6"	VCP	Y	199	ABANDON W/ SLURRY
EX SAS3350-017	EX SAS3350-016		38 8"	VCP	Y	38	ABANDON W/ SLURRY
EX SAS3350-016	EX SAS3350-015		170 8"	VCP	Y	170	ABANDON W/ SLURRY
EX SAS3350-015	EX SAS3350-014		67 8"	VCP	Y	67	ABANDON W/ SLURRY

SPECIFIC NOTES:

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SANITARY SEWER SCHEDULE

OLD MIDDLETON RD. & CRAIG AVE. RESURFACING	SHEET NO.
PROJECT NO. 13175	U-20
SANITARY SEWER SCHEDULE	
CITY OF MADISON	

PROPOSED SANITARY FORCE MAIN BENDS

SAS NO.	STATION	LOCATION (OFFSET)	BEND OR PIPE DEFLECTION ANGLE	E.I.	NOTES
OLD MIDDLETON RD					
FMB#1	42+48.06	RT-63.07	-	885.60	[1]
FMB#2	42+53.06	RT-62.84	18" - 22.5°	885.60	[2]; [3]
FMB#3	44+06.66	LT-9.17	18" - 22.5°	887.30	[2]; [4]
FMB#4	45+52.53	LT-14.76	18" - 2.00°	888.75	[2]; [4]
FMB#5	48+92.21	LT-13.78	18" - 2.00°	892.16	[2]; [4]
FMB#6	49+53.66	LT-14.51	18" - 2.00°	893.71	[2]; [4]
FMB#7	49+77.43	LT-14.56	18" - 2.00°	894.31	[2]; [4]
FMB#8	49+91.67	LT-14.25	18" - 2.00°	894.67	[2]; [4]
FMB#9	50+84.53	LT-11.97	18" - 1.63°	898.41	[2]; [4]
EX SAS3350-013	53+53.83	LT-10.86	-	912.60	-

PROPOSED SANITARY FORCE MAIN PIPES

FROM (DNSTM)	TO (UPSTM)	START E.I.	END E.I.	PLAN LGTH (FT)	SLOPE (%)	PIPE SIZE	PVC TYPE	NOTES
OLD MIDDLETON RD								
FB#1	FB#2	885.60	885.60	5.0	0.00%	18"	C900 DR-18	[5]; [6]
FB#2	FB#3	885.60	887.30	169.6	1.00%	18"	C900 DR-18	[5]; [6]
FB#3	FB#4	887.30	888.75	145.8	1.00%	18"	C900 DR-18	[5]; [6]
FB#4	FB#5	888.75	892.16	340.2	1.00%	18"	C900 DR-18	[5]; [6]
FB#5	FB#6	892.16	893.71	62.0	2.50%	18"	C900 DR-18	[5]; [6]
FB#6	FB#7	893.71	894.31	24.0	2.50%	18"	C900 DR-18	[5]; [6]
FB#7	FB#8	894.31	894.67	14.4	2.50%	18"	C900 DR-18	[5]; [6]
FB#8	FB#9	894.67	898.41	93.6	4.00%	18"	C900 DR-18	[5]; [6]
FB#9	EX SAS3350-013	898.41	912.60	269.1	5.27%	18"	C900 DR-18	[5]; [6]

SANITARY FORCE MAIN PIPE REMOVALS & ABANDONMENTS

REMOVE FROM	REMOVE TO	PLAN LGTH (FT)	PIPE SIZE	PIPE TYPE	PAID (Y/N)	PAY LGTH	NOTES
OLD MIDDLETON RD							
LIFT STA. #11	EX BEND1	35	18"	CI	N	-	-
EX BEND1	EX BEND2	248	18"	CI	Y	248	ABANDON W/ SLURRY
EX BEND2	EX BEND3	80	18"	CI	Y	80	ABANDON W/ SLURRY
EX BEND3	EX BEND4	160	18"	CI	Y	160	ABANDON W/ SLURRY
EX BEND4	EX BEND5	18	18"	CI	Y	18	ABANDON W/ SLURRY
EX BEND5	EX BEND6	50	18"	CI	Y	50	ABANDON W/ SLURRY
EX BEND6	EX BEND7	152	18"	CI	Y	152	ABANDON W/ SLURRY
EX BEND7	EX BEND8	123	18"	CI	Y	123	ABANDON W/ SLURRY
EX BEND8	EX SAS3350-013	260	18"	CI	Y	160	REMOVE 100' FROM EAST END OF PIPE, STARTING AT EX SAS3350-013

ground el	depth
898	12.4
898.28	11.0
897.48	8.7
900.63	8.5
902.64	8.9
903.61	9.3
904.20	9.5
908.19	9.8
919.41	6.8

SPECIFIC NOTES:

- [1] SANITARY SEWER CONNECTION TO LIFT STATION #11; PROVIDE JOINT 6' FROM OUTSIDE BUILDING WALL
- [2] FITTINGS SHALL BE DUCTILE IRON MECHANICAL JOINTS, IN ACCORDANCE WITH THE BID ITEM FOR THIS WORK; USE MEGALUG FITTINGS AT BENDS
- [3] POINT BEND/DEFLECTION LEFT (WHEN LOOKING UPSTATION ON STREET)
- [4] POINT BEND/DEFLECTION RIGHT (WHEN LOOKING UPSTATION ON STREET)
- [5] INSTALL ELECTRONIC MARKER BALLS ABOVE FORCE MAIN AT A MAXIMUM INCREMENT OF 25 FT AND AT ALL HORIZONTAL BENDS IN THE FORCE MAIN PIPE
- [6] SET PIPE SLOPE USING VERTICAL PIPE DEFLECTION AT THE STARTING JOINT FOR THE PIPE

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DATE: 03/17/2022

1124 18"

[5] INSTALL INSULATED NO. 12 TRACER WIRE ALONG THE TOP OF THE FORCE MAIN

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SANITARY SEWER SCHEDULE

OLD MIDDLETON RD. & CRAIG AVE. RESURFACING PROJECT NO. 13175	SHEET NO. U-21
SANITARY SEWER SCHEDULE	
CITY OF MADISON	

PROPOSED SANITARY STRUCTURES

SAS NO.	STATION	LOCATION (OFFSET)	TOP OF CASTING	E.I.	DEPTH	NOTES
CRAIG AVE.						
SAS#100	101+86.89	LT-5.68	869.34	859.90	9.44	[1]; [2]; [3]; [4]
SAS#101	103+20.83	LT-2.00	870.46	860.70	9.76	[1]; [4]
SAS#102	104+55.71	LT-2.00	871.25	861.60	9.65	[1]; [4]
SAS#103	106+63.75	LT-1.01	872.32	862.95	9.37	[1]; [2]; [3]; [4]
SAS#104	108+74.75	LT-6.49	872.02	864.94	7.08	[1]; [2]; [3]; [4]
SAS#105	101+77.74	RT-31.32	869.49	860.24	9.25	[1]; [2]; [3]; [4]
SAS#106	106+65.04	RT-22.85	871.91	863.81	8.10	[1]; [2]; [3]; [4]
SAS#107	111+13.82	LT-31.95	869.97	864.27	5.70	[1]; [2]; [3]; [4]
SAS#108	111+20.24	LT-5.60	870.19	864.29	5.90	[1]; [4]
SAS#109	112+94.51	LT-6.19	873.51	865.08	8.43	[1]; [2]; [3]; [4]
SAS#110	113+71.12	LT-5.49	874.37	865.49	8.88	[1]; [4]
SAS#111	110+85.73	RT-29.37	870.88	864.80	6.08	[1]; [2]; [3]; [4]
SAS#112	109+02.73	LT-8.93	871.83	864.94	6.89	[1]; [2]; [3]; [4]
SAS#113	114+39.36	LT-8.99	874.75	866.21	8.54	[1]; [2]; [3]; [4]
SAS#114	115+71.79	LT-6.52	875.71	867.55	8.16	[1]; [4]
SAS#115	117+12.31	LT-13.20	878.06	869.06	9.00	[1]; [4]
SAS#116	119+08.68	LT-5.50	882.44	874.00	8.44	[2]; [3]
SAS#117	117+26.34	RT-49.70	879.03	872.00	7.03	[2]; [3]

PROPOSED SANITARY PIPES

FROM (DNSTM)	TO (UPSTM)	DWNSTRM E.I.	UPSTRM E.I.	PLAN LGTH (FT)	SLOPE (%)	PIPE SIZE	PVC TYPE	NOTES
CRAIG AVE.								
COUPLER	SAS#100	859.72	859.80	24	0.31%	8"	SDR-35	-
SAS#100	SAS#101	859.90	860.70	133	0.60%	8"	SDR-35	-
SAS#101	SAS#102	860.80	861.60	134	0.60%	8"	SDR-35	-
SAS#102	SAS#103	861.70	862.95	208	0.60%	8"	SDR-35	-
SAS#103	SAS#104	863.13	865.23	211	1.00%	8"	SDR-35	-
SAS#100	SAS#105	859.90	860.24	34	1.00%	8"	SDR-35	-
SAS#103	SAS#106	863.45	863.81	24	1.50%	8"	SDR-35	-
SAS#103	COUPLER	865.15	865.80	33	1.98%	8"	SDR-35	-
SAS#107	SAS#108	864.27	864.29	27	0.09%	10"	SDR-35	-
SAS#108	SAS#109	864.39	865.08	172	0.40%	8"	SDR-35	-
SAS#109	SAS#110	865.18	865.49	77	0.40%	8"	SDR-35	-
SAS#108	SAS#111	864.39	864.80	50	0.82%	8"	SDR-35	-
SAS#108	SAS#112	864.29	864.94	216	0.30%	8"	SDR-35	-
SAS#109	COUPLER	866.04	866.52	26	1.81%	8"	SDR-35	-
COUPLER	SAS#113	865.95	866.11	23	0.73%	10"	SDR-35	-
SAS#113	SAS#114	866.21	867.55	134	1.00%	10"	SDR-35	-
SAS#114	SAS#115	867.65	869.06	141	1.00%	10"	SDR-35	-
SAS#115	SAS#116	869.20	874.00	197	2.44%	8"	SDR-35	-
SAS#115	SAS#117	869.20	872.00	63	4.43%	10"	SDR-35	-

SPECIFIC NOTES:

- [1] INSTALL INTERNAL CHIMNEY SEAL
- [2] EXISTING MAIN CONNECTIONS SHALL BE FIELD CORED AND COMPENSATED UNDER BID ITEM 50791 SANITARY SEWER TAP
- [3] RECONSTRUCT BENCH FLOWLINES
- [4] INSTALL EXTERNAL SEWER ACCESS STRUCTURE JOINT SEAL
- [5] USE INSIDE DROP AT INCOMING PIPE

FOR REFERENCE ONLY - NOT FOR CONSTRUCTION

SANITARY SEWER SCHEDULE

OLD MIDDLETON RD. & CRAIG AVE. RESURFACING PROJECT NO. 13175	SHEET NO. U-22
SANITARY SEWER SCHEDULE	
CITY OF MADISON	

SANITARY STRUCTURE REMOVALS & ABANDONMENTS

SAS NO.	STATION	LOCATION (OFFSET)	TOP OF CASTING	E.I.	DEPTH	NOTES
CRAIG AVE.						
EX SAS3348-017	101+86.89	LT-4.39	869.16	859.80	9.36	-
EX SAS3348-018	104+12.65	RT-0.15	870.90	862.14	8.76	-
EX SAS3348-019	106+63.83	RT-0.44	872.46	864.95	7.51	-
EX SAS3349-006	108+62.74	LT-0.39	872.75	865.34	7.41	-
EX SAS3349-007	111+21.48	LT-0.31	870.90	864.30	6.60	-
EX SAS3349-008	111+21.48	LT-0.31	871.02	864.30	6.72	-
EX SAS3349-009	112+94.51	LT-1.71	874.23	865.97	8.26	-
EX SAS3349-010	114+43.10	LT-0.82	875.33	866.18	9.15	-
EX SAS3349-011	115+38.30	LT-4.55	875.44	867.91	7.53	-
EX SAS3350-025	117+23.21	RT-0.29	878.60	871.50	7.10	ABANDON
EX SAS3350-024	119+15.04	LT-0.20	882.85	874.95	7.90	-

SANITARY PIPE REMOVALS & ABANDONMENTS

REMOVE FROM	REMOVE TO	PLAN LGTH (FT)	PIPE SIZE	PIPE TYPE	PAID (Y/N)	PAY LGTH	NOTES
CRAIG AVE.							
EX SAS3348-017	SAS#105		33 8"	VCP	N	-	-
COUPLER	EX SAS3348-017		25 8"	VCP	N	-	-
EX SAS3348-017	EX SAS3348-018	222 8"		VCP	Y	222	ABANDON W/ SLURRY
EX SAS3348-018	EX SAS3348-019	250 8"		VCP	Y	125	-
EX SAS3348-019	SAS#106		22 8"	VCP	N	-	-
EX SAS3348-019	SAS#103		2 8"	VCP	N	-	-
SAS#107	EX SAS3349-008		33 10"	VCP	N	-	-
EX SAS3349-008	EX SAS3349-007	48 8"		VCP	Y	48	ABANDON W/ SLURRY
EX SAS3349-007	SAS#111		32 8"	VCP	Y	32	ABANDON W/ SLURRY
EX SAS3349-007	EX SAS3349-006	210 8"		VCP	Y	210	ABANDON W/ SLURRY
EX SAS3349-006	EX SAS3348-019	199 8"		VCP	Y	199	ABANDON W/ SLURRY
EX SAS3349-008	EX SAS3349-009	172 8"		VCP	Y	172	ABANDON W/ SLURRY
EX SAS3349-009	EX SAS3349-010	148 8"		VCP	Y	148	ABANDON W/ SLURRY
EX SAS3349-009	COUPLER		19 8"	VCP	N	-	-
SAS#112	EX SAS3349-010		23 8"	VCP	Y	23	ABANDON W/ SLURRY
EX SAS3349-010	EX SAS3349-011		96 10"	VCP	Y	96	ABANDON W/ SLURRY
EX SAS3349-011	EX SAS3350-025		185 10"	VCP	Y	185	ABANDON W/ SLURRY
EX SAS3350-025	EX SAS3350-024		192 8"	VCP	Y	192	ABANDON W/ SLURRY
EX SAS3350-025	SAS#116		48 10"	VCP	Y	48	ABANDON W/ SLURRY

SPECIFIC NOTES:

STORM SEWER SCHEDULE

OLD MIDDLETON RD. & CRAIG AVE. RESURFACING	SHEET NO.
PROJECT NO. 13175	U-27
STORM SEWER SCHEDULE	
CITY OF MADISON	

PROPOSED STORM STRUCTURES

STRUC. NO.	STATION	LOCATION (OFFSET)	TYPE	TOP OF CASTING	E.I.	DEPTH	NOTES
CRAIG AVE							
S100	100+27.98	LT-94.28	TAP	-	856.38	-	AT EX IN3348-064
S101	100+45.61	LT-72.37	5X5 AS	867.80	857.27	10.53	w/ R-1550-0054
S102	100+43.89	LT-35.13	5X5 AS	867.66	858.40	9.26	w/ R-1550-0054
S103	100+50.36	LT-22.64	5X5 AS	867.59	858.69	8.90	w/ R-3067-7004-V
S103-A	101+02.13	RT-16.50	H INLET	868.54	865.54	3.00	w/ R-3067-7004-V
S104	101+51.19	LT-15.50	5X5 AS	869.03	860.60	8.43	w/ R-3067-7004-V
S104-A	101+57.54	RT-15.74	H INLET	869.27	866.27	3.00	w/ R-3067-7004-V
S104-B	102+11.56	RT-15.50	H INLET	869.78	867.28	2.50	[1]; LP; FP; w/ R-3067-7004-VB
S104-C	102+19.67	RT-15.50	H INLET	869.85	867.35	2.50	FP; w/ R-3067-7004-V
S105	102+57.59	LT-15.50	5X5 AS	869.92	862.59	7.33	LP; w/ R-3067-7004-VB
S106	103+53.59	LT-15.50	5X5 AS	870.61	863.54	7.07	w/ R-3067-7004-V
S107	104+30.33	LT-15.50	5X5 AS	871.20	864.29	6.91	w/ R-3067-7004-V
S107-A	104+42.67	RT-15.50	H INLET	871.27	868.27	3.00	w/ R-3067-7004-V
S108	104+93.90	LT-15.50	5X5 AS	871.57	864.91	6.66	w/ R-3067-7004-V
S109	106+37.73	LT-9.83	5X5 AS	872.02	866.42	5.60	FP; w/ R-1550-0054
S110	106+53.56	RT-18.06	5X5 AS	872.28	866.55	5.73	w/ R-3067-7004-V
S111	106+64.15	RT-37.60	H INLET	872.17	869.17	3.00	LP; w/ R-3067-7004-VB
S112	106+95.03	RT-35.25	H INLET	872.69	869.69	3.00	LP; w/ R-3067-7004-VB
S113	106+73.59	LT-37.25	H INLET	872.76	869.76	3.00	w/ R-3067-7004-V
S114	106+39.08	LT-20.57	H INLET	872.50	869.50	3.00	w/ R-3067-7004-V
S115	107+38.95	LT-17.90	3X3 AS	872.56	866.29	6.27	w/ R-1550-0054
S115-A	107+05.83	RT-16.17	H INLET	872.70	869.70	3.00	w/ R-3067-7004-V
S116	110+94.98	LT-23.41	4X4 AS	870.24	866.11	4.13	w/ R-1550-0054
S117	110+91.49	LT-15.50	3X3 AS	870.16	866.17	3.99	LP; FP; w/ R-3067-7004-VB
S117-A	110+57.62	RT-15.50	H INLET	871.00	868.00	3.00	LP; w/ R-3067-7004-VB
S117-B	111+15.11	RT-15.50	H INLET	870.91	868.41	2.50	[1]; LP; FP; w/ R-3067-7004-VB
S118	111+42.04	LT-18.87	3X3 AS	870.31	866.90	3.41	LP; FP; w/ R-3067-7004-VB
S119	111+67.19	LT-15.50	3X3 AS	871.05	868.05	3.00	w/ R-3067-7004-V
S120	112+07.07	RT-17.15	H INLET	872.67	869.67	3.00	FP; w/ R-3067-7004-V
S121	112+41.81	RT-15.50	H INLET	873.20	870.20	3.00	LP; FP; w/ R-3067-7004-VB
S122	114+13.75	LT-27.13	COLLAR	-	869.45	-	-
S123	114+18.95	LT-16.40	3X3 AS	874.76	869.65	5.11	w/ R-3067-7004-V
S123-A	114+10.27	RT-15.50	H INLET	874.92	871.92	3.00	LP; FP; w/ R-3067-7004-VB
S124	114+70.21	LT-15.50	3X3 AS	875.19	869.94	5.25	w/ R-3067-7004-V
S125	115+18.52	LT-16.02	3X3 AS	875.48	870.21	5.27	w/ R-3067-7004-V
S126	115+59.15	LT-15.50	3X3 AS	875.71	870.44	5.27	w/ R-3067-7004-V
S126-A	115+66.77	RT-15.50	H INLET	875.85	870.56	5.29	w/ R-3067-7004-V
S126-B	115+66.24	RT-24.32	COLLAR	-	870.59	-	-
S127	116+90.83	LT-20.20	4X4 AS	878.23	873.12	5.11	w/ R-3067-7004-V
S127-A	117+21.69	RT-59.72	H INLET	879.77	876.07	3.70	w/ R-3067-7004-V
S127-B	117+18.32	CL	H INLET	878.30	875.30	3.00	LP; FP; w/ R-3290-A
S128	117+75.16	LT-18.90	H INLET	879.38	874.98	4.40	w/ R-3067-7004-V
S129	117+87.72	RT-15.50	H INLET	879.26	875.91	3.35	w/ R-3067-7004-V
S130	117+53.19	RT-40.79	H INLET	879.56	876.41	3.15	w/ R-3067-7004-V

PROPOSED STORM PIPES

PIPE NO.	FROM (DISCH.)	TO (INLET)	DISCH. E.I.	INLET E.I.	PLAN (PAY) LGTH (FT)	PIPE LGTH (FT)	SLOPE (%)	PIPE SIZE	PIPE TYPE	NOTES
CRAIG AVE										
P100	S100	S101	856.38	857.27	28.1	25.5	3.50%	42"	TYPE II	-
P101	S101	S102	857.27	858.40	37.3	32.3	3.50%	42"	TYPE II	-
P102	S102	S103	858.40	858.69	14.1	8.3	3.50%	42"	TYPE II	-
P103	S103	S104	858.69	860.60	100.3	95.4	2.00%	42"	TYPE I	[1]
P104	S104	S105	860.60	862.59	104.8	99.9	2.00%	42"	TYPE I	[1]
P105	S105	S106	862.59	863.54	91.7	86.7	1.10%	42"	TYPE I	[1]
P106	S106	S107	863.54	864.29	73.4	68.4	1.10%	42"	TYPE I	[1]
P107	S107	S108	864.29	864.91	61.2	56.2	1.10%	42"	TYPE I	[1]
P108	S108	S109	864.91	866.42	142.0	137.0	1.10%	42"	TYPE I	[1]
P109	S109	S110	866.42	866.55	32.1	26.0	0.50%	42"	TYPE I	[1]
P110	IN3348-068	S103-A	864.14	865.54	54.4	52.9	2.65%	12"	TYPE I	-
P111	S104	S104-A	866.03	866.27	31.9	28.3	0.85%	15"	TYPE I	[1]
P112	S104-A	S104-B	866.52	867.28	54.5	51.5	1.48%	12"	TYPE I	[1]
P113	S104-B	S104-C	867.28	867.35	8.1	6.55	1.07%	12"	TYPE I	-
P114	S107	S107-A	867.70	868.27	34.6	30.3	1.88%	12"	TYPE I	[1]
P115	S110	S111	869.08	869.17	22.2	17.5	0.52%	15"	TYPE I	-
P116	S111	S112	869.42	869.69	31.0	28.5	0.95%	12"	TYPE I	-
P117	S109	S113	869.02	869.76	45.0	39.7	1.86%	12"	TYPE I	-
P118	S109	S114	869.25	869.50	10.8	6.5	3.85%	12"	TYPE I	[1]
P119	S115	S115-A	869.06	869.70	47.5	43.9	1.46%	12"	TYPE I	-
P120	S116	S117	866.11	866.17	8.6	4.9	1.17%	15"	TYPE I	-
P121	S117	S117-A	866.67	868.00	45.9	42.2	3.16%	12"	TYPE I	[1]
P122	S117	S117-B	866.67	868.41	38.9	35.7	4.88%	12"	TYPE I	[1]
P123	S116	S118	866.17	866.90	46.3	42.5	1.72%	18"	TYPE I	[1]
P124	S118	S119	867.15	868.05	25.2	21.9	4.11%	15"	TYPE I	-
P125	S119	S120	868.30	869.67	51.6	48.2	2.84%	12"	TYPE I	[1]
P126	S120	S121	869.67	870.20	34.8	31.5	1.68%	12"	TYPE I	[1]
P127	S122	S123	869.45	869.65	11.9	10.4	1.92%	18"	TYPE I	-
P128	S123	S123-A	871.65	871.92	33.2	30.1	0.90%	12"	TYPE I	[1]
P129	S123	S124	869.65	869.94	53.5	50.2	0.58%	18"	TYPE I	[1]
P130	S124	S125	869.94	870.21	50.3	47.3	0.58%	18"	TYPE I	[1]
P131	S125	S126	870.21	870.44	42.3	39.2	0.59%	18"	TYPE I	-
P132	S126	S126-A	870.44	870.56	32.0	28.9	0.40%	12"	TYPE I	[1]
P133	S126-A	S126-B	870.56	870.59	8.8	7.3	0.40%	12"	TYPE I	-
P134	S126	S127	870.44	873.12	133.6	130.0	2.06%	18"	TYPE I	[1]
P135	S127	S128	873.37	874.98	84.2	80.4	2.00%	15"	TYPE I	[1]
P136	S128	S129	875.23	875.91	36.0	33.8	2.00%	12"	TYPE I	[1]
P137	S129	S130	875.91	876.41	43.1	39.8	1.26%	12"	TYPE I	-
P138	S127	S127-A	873.62	876.07	85.1	81.8	3.00%	12"	TYPE I	[1]
P139	S127-A	S127-B	874.97	875.30	33.6	30.3	1.09%	12"	TYPE I	[1]

SPECIFIC NOTES:

[1] CROSSES EXISTING WATER, USE WATER RELOCATE BID ITEM 70041, 90000, OR 90001 IF CONFLICT EXISTS

STANDARD NOTES:

- PLAN LENGTH (PAY LENGTH) IS FROM CENTER OF STRUCTURE TO CENTER OF STRUCTURE. PIPE LENGTH IS ACTUAL LENGTH OF PIPE FROM STRUCTURE WALL TO STRUCTURE WALL. SLOPE CALCULATED USING PIPE LENGTH.
- ABBREVIATIONS: AE = APRON ENDWALL; RCP = REINFORCED CONCRETE PIPE; HERCP = HORIZONTAL ELLIPTICAL REINFORCED CONCRETE PIPE; DNA = DOES NOT APPLY; SAS = SEWER ACCESS STRUCTURE; LP = LOW POINT INLET STRUCTURE; FP = FIELD Poured STRUCTURE; TR = TOP OF CONCRETE ROOF; NCM = NO CROWN MATCH FOR PIPES; UD = UNDERDRAIN
- APPROXIMATE DISCHARGE E.I. GIVEN, ADJUST E.I. AND PIPE SLOPE IN THE FIELD.
- TOP OF CASTING GRADE GIVEN IS THE TOP OF CURB FOR INLET STRUCTURES AND THE FLOWLINE OF THE CLOSED CASTING
- ALL REINFORCED CONCRETE PIPES TO BE CLASS III UNLESS OTHERWISE NOTED.

-ALL FIELD Poured SAS STORM STRUCTURES SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE NEW STANDARD DETAIL DRAWING FOR 5.7.3. ALL PRECAST SAS STORM STRUCTURES SHALL BE CONSTRUCTED IN ACCORDANCE WITH STANDARD DETAIL DRAWING 5.7.5.

- ALL STRUCTURES CALLED OUT AS FIELD Poured SHALL BE FIELD Poured. ALL OTHER STRUCTURES (NOT INDICATED AS FIELD Poured) SHALL BE SUBMITTED TO CITY ENGINEERING FOR APPROVAL IF PRECAST STRUCTURES ARE PREFERRED. CONTACT MATT ALLIE OF CITY ENGINEERING AT (608) 266-4058 FOR PRECAST APPROVALS, FAX SHOP DRAWINGS TO (608) 264-9275, OR EMAIL SHOP DRAWINGS TO MALLIE@CITYOFMADISON.COM.

- SURVEYOR TO CONFIRM THAT ALL INLET STATION / OFFSETS LINE UP WITH PProposed CURB AND GUTTER.

0	6X6
10	5X5
2	4X4
8	3X3
21	H

728.8	12"
172.1	15"
337.9	18"
0.0	21"
0.0	24"
0.0	30"
0.0	36"
684.9	42"
1923.7	1923.7

STORM SEWER SCHEDULE

OLD MIDDLETON RD. & CRAIG AVE. RESURFACING	SHEET NO.
PROJECT NO. 13175	U-28
STORM SEWER SCHEDULE	
CITY OF MADISON	

REMOVE & ABANDON STORM STRUCTURES

STRUC. NO.	STATION	LOCATION (OFFSET)	TYPE	NOTES
CRAIG AVE				
R100	100+47.93	LT-69.47	7X5 RECT. AS	-
R101	100+72.10	LT-22.34	7X5 RECT. AS	AS3348-007
R102	100+50.38	LT-23.16	H INLET	IN3348-067
R103	101+03.87	RT-16.89	H INLET	IN3348-015
R104	101+91.84	LT-17.21	7X5 RECT. AS	AS3348-009
R105	101+56.39	RT-18.13	H INLET	IN3348-013
R106	101+93.27	RT-33.96	H INLET	IN3348-012
R107	102+11.03	RT-14.96	H INLET	IN3348-011
R108	102+46.12	LT-15.99	H INLET	IN3348-010
R109	104+17.51	LT-20.36	4X4 AS	AS3348-008
R110	106+50.05	LT-19.82	7X5 RECT. AS	AS3348-041
R111	106+38.65	LT-21.06	H INLET	IN3348-039
R112	106+73.41	LT-38.80	H INLET	IN3348-040
R113	107+09.00	RT-15.66	H INLET	IN3348-044
R114	106+63.92	RT-36.25	H INLET	IN3348-038
R115	107+38.94	LT-15.60	6X5 RECT. AS	AS3348-042
R116	110+95.46	LT-20.98	7X5 RECT. AS	AS3349-019
R117	111+02.76	LT-18.79	H INLET	-
R118	110+68.61	RT-18.49	H INLET	IN3349-024
R119	111+02.22	RT-19.38	H INLET	IN3349-023
R120	112+03.33	LT-15.46	H INLET	IN3349-020
R121	112+07.50	RT-17.13	H INLET	IN3349-021
R122	112+35.08	RT-16.51	H INLET	IN3349-022
R123	114+15.49	LT-23.64	7X5 RECT. AS	AS3349-011
R124	115+66.41	RT-21.57	7X5 RECT. AS	AS3349-008
R125	115+66.08	RT-16.59	H INLET	IN3349-009
R126	115+47.95	LT-20.61	H INLET	IN3349-010
R127	117+59.30	RT-21.11	7X5 RECT. AS	AS3350-003
R128	117+20.77	RT-7.23	H INLET	IN3350-011
R129	117+85.73	LT-15.24	H INLET	IN3350-012
R130	117+86.44	RT-15.59	H INLET	IN3350-013
R131	117+21.58	RT-59.92	H INLET	IN3350-009
A100	107+17.09	LT-18.03	4X4 AS	ABAN. EX AS, REMOVE CASTING
A101	112+07.18	LT-23.83	7X5 RECT. AS	ABAN. AS3349-018, REMOVE CASTING

STORM STRUCTURE ADJUSTMENTS

ADJUST NO.	STATION	LOCATION (OFFSET)	TYPE	EX. TOC ELEV.	ADJUST ELEV.	ADJUST DIFF.	NOTES
CRAIG AVE							
IN3348-068	100+47.63	RT-16.28	H INLET	868.01	868.01	0.00	[1]
IN3350-010	117+45.65	RT-61.04	H INLET	879.63	879.63	0.00	-

SPECIFIC NOTES:

STANDARD NOTES:

- PLAN LENGTH (PAY LENGTH) IS FROM CENTER OF STRUCTURE TO CENTER OF STRUCTURE. PIPE LENGTH IS ACTUAL LENGTH OF PIPE FROM STRUCTURE WALL TO STRUCTURE WALL. SLOPE CALCULATED USING PIPE LENGTH.
- ABBREVIATIONS: AE = APRON ENDWALL; RCP = REINFORCED CONCRETE PIPE; HERCP = HORIZONTAL ELLIPTICAL REINFORCED CONCRETE PIPE; DNA = DOES NOT APPLY; SAS = SEWER ACCESS STRUCTURE; LP = LOW POINT INLET STRUCTURE; FP = FIELD POURED STRUCTURE; TR = TOP OF CONCRETE ROOF; NCM = NO CROWN MATCH FOR PIPES; UD = UNDERDRAIN
- APPROXIMATE DISCHARGE E.I. GIVEN, ADJUST E.I. AND PIPE SLOPE IN THE FIELD.
- TOP OF CASTING GRADE GIVEN IS THE TOP OF CURB FOR INLET STRUCTURES AND THE FLOWLINE OF THE CLOSED CASTING FOR
- ALL REINFORCED CONCRETE PIPES TO BE CLASS III UNLESS OTHERWISE NOTED.

REMOVE STORM PIPES

REMOVE NO.	REMOVE FROM	REMOVE TO	LGTH (FT)	PAID (Y/N)	PAY LGTH (FT)	PIPE SIZE	PIPE TYPE	NOTES
CRAIG AVE								
RP100	IN3348-064	R100	31.8	N	0.0	30"	RCP	-
RP101	R101	R103	50.5	Y	50.5	12"	RCP	-
RP102	R104	R108	53.8	N	0.0	12"	RCP	-
RP103	R104	R105	50.1	Y	50.1	12"	RCP	-
RP104	R104	R106	51.2	Y	51.2	12"	RCP	-
RP105	R104	R107	37.5	Y	37.5	12"	RCP	-
RP106	R110	R111	7.5	Y	7.5	12"	RCP	-
RP107	R110	IN3348-040	30.1	N	0.0	12"	RCP	-
RP108	R110	S110	39.3	Y	39.3	24"	RCP	-
RP109	R110	R114	57.8	Y	57.8	12"	RCP	-
RP110	R110	R113	68.9	Y	68.9	12"	RCP	-
RP111	R110	A100	66.8	Y	66.8	24"	RCP	-
RP112	R116	R117	2.5	Y	2.5	12"	RCP	-
RP113	R116	R118	38.2	Y	38.2	12"	RCP	-
RP114	R116	R119	40.9	Y	40.9	12"	RCP	-
RP115	R116	PLUG	45.4	Y	45.4		RCP	-
RP116	A101	R121	41.0	Y	41.0	12"	RCP	-
RP117	A101	R122	49.0	Y	49.0	12"	RCP	-
RP118	R123	R124	156.7	Y	156.7	18"	RCP	-
RP119	R124	R126	46.0	Y	34.0	12"	RCP	-
RP120	PLUG	R127	69.3	Y	69.3		RCP	-
RP121	R127	S130	20.0	Y	20.0	12"	RCP	-
RP122	R127	PLUG	25.2	Y	25.2	12"	RCP	-
RP123	R127	R129	44.8	Y	44.8	12"	RCP	-
RP124	R127	R130	26.6	Y	26.6	12"	RCP	-
RP125	R127	R131	55.0	Y	55.0	12"	RCP	-
RP126	R104	PLUG	42.8	Y	42.8	24"	RCP	-
RP127	AS3348-063	R102	27.3	Y	27.3	12"	RCP	-

ABANDON STORM PIPES

PIPE NO.	FROM (DNSTR)	TO (UPSTR)	LENGTH (FT)	PIPE SIZE	PIPE TYPE	PAID (Y/N)	NOTES
CRAIG AVE							
AP100	R100	R101	53.0	30"	RCP	Y	ABAN. W/ PLUGS
AP101	R101	R104	118.2	24"	RCP	Y	ABAN. W/ PLUGS
AP102	PLUG	R109	170.6	24"	RCP	Y	ABAN. W/ PLUGS
AP103	R109	R110	224.8	24"	RCP	Y	ABAN. W/ PLUGS
AP104	A100	R115	21.7	24"	RCP	Y	ABAN. W/ PLUGS
AP105	PLUG	A101	62.2	12"	RCP	Y	ABAN. W/ PLUGS
AP106	A101	R120	9.2	12"	RCP	Y	ABAN. W/ PLUGS
AP107	R124	PLUG	122.7	12"	RCP	Y	ABAN. W/ PLUGS
AP108	PLUG	R128	16.5	12"	RCP	Y	ABAN. W/ PLUGS

- ALL FIELD POURED SAS STORM STRUCTURES SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE NEW STANDARD DETAIL DRAWING FOR 5.7.3. ALL PRECAST SAS STORM STRUCTURES SHALL BE CONSTRUCTED IN ACCORDANCE WITH STANDARD DETAIL DRAWING 5.7.5.
- ALL STRUCTURES CALLED OUT AS FIELD POURED SHALL BE FIELD POURED. ALL OTHER STRUCTURES (NOT INDICATED AS FIELD POURED) SHALL BE SUBMITTED TO CITY ENGINEERING FOR APPROVAL IF PRECAST STRUCTURES ARE PREFERRED. CONTACT MATT ALLIE OF CITY ENGINEERING AT (608) 266-4058 FOR PRECAST APPROVALS, FAX SHOP DRAWINGS TO (608) 264-9275, OR EMAIL SHOP DRAWINGS TO MALLIE@CITYOFMADISON.COM.
- SURVEYOR TO CONFIRM THAT ALL INLET STATION / OFFSETS LINE UP WITH PROPOSED CURB AND GUTTER.

SECTION E: BIDDERS ACKNOWLEDGEMENT

OLD MIDDLETON RD. AND CRAIG AVE. RESURFACING ASSESSMENT DISTRICT
- 2021
CONTRACT NO. 8650

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 - 2022 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 1 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 Speedway Sand and Gravel (name of corporation, partnership, or person submitting bid) a corporation organized and existing under the laws of the State of WI 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.

Dustin Bethma
SIGNATURE

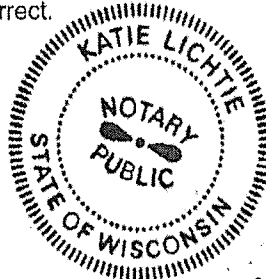
VP
TITLE, IF ANY

Sworn and subscribed to before me this 17 day of March, 2022.

Katie Lichte
(Notary Public or other officer authorized to administer oaths)

My Commission Expires 01-01-23

Bidders shall not add any conditions or qualifying statements to this Proposal.



Contract 8650 – Speedway Sand & Gravel, 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.

Please select the method of submission below. The form can be found below for filling out online or download and submit by hand.

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

OLD MIDDLETON RD. AND CRAIG AVE. RESURFACING ASSESSMENT DISTRICT
- 2021
CONTRACT NO. 8650

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: SPEEDWAY SAND & GRAVEL, INC.

8500 GREENWAY BLVD. SUITE 202

Address: MIDDLETON, WI 53562

Telephone Number: 608 834 1071 Fax Number: 608 834 7485

Contact Person/Title: Dustin Bittner / VP

Prime Bidder Certification

I, Dustin Bittner, VP of

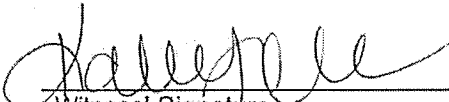
Name

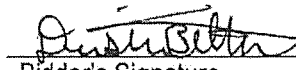
Title

Speedway Sand and Gravel Company certify that the information

Company

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


Witness' Signature


Bidder's Signature

3/17/2022
Date

**OLD MIDDLETON RD. AND CRAIG AVE. RESURFACING ASSESSMENT DISTRICT
- 2021
CONTRACT NO. 8650**

**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
Living Landscapes	Landscaping	0.75 %
Red Arrow	Electrical	2.0 %
Schlobohm Trucking	Trucking	1.75 %
		%
		%
		%
		%
		%
		%
		%
		%
		%
		%
		%
		%
		%
Subtotal SBE who are NOT suppliers:		<u>4.5</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>4.5</u>	%.

OLD MIDDLETON RD. AND CRAIG AVE. RESURFACING ASSESSMENT DISTRICT - 2021

CONTRACT NO. 8650

DATE: 3/17/2022

**Speedway Sand & Gravel,
Inc.**

Item	Quantity	Price	Extension
Section B: Proposal Page			
10701.1 - TRAFFIC CONTROL: OLD MIDDLETON ROAD-STA. 1+00 TO STA. 33+00 - LUMP SUM	1.00	\$8,600.00	\$8,600.00
10701.2 - TRAFFIC CONTROL: OLD MIDDLETON ROAD-STA. 33+00 TO STA. 70+00 - LUMP SUM	1.00	\$9,700.00	\$9,700.00
10701.3 - TRAFFIC CONTROL: CRAIG AVENUE - LUMP SUM	1.00	\$2,000.00	\$2,000.00
10720.0 - TRAFFIC CONTROL SIGN - PORTABLE ARROW BOARD - DAYS	360.00	\$20.00	\$7,200.00
10721.0 - TRAFFIC CONTROL SIGN - PORTABLE CHANGEABLE MESSAGE - DAYS	180.00	\$30.00	\$5,400.00
10750.0 - RESET MONUMENT - EACH	1.00	\$1,234.00	\$1,234.00
10770.0 - MAINTAIN RESIDENTIAL DRIVEWAY ACCESS (UNDISTRIBUTED) - EACH	5.00	\$567.00	\$2,835.00
10790.0 - RAILROAD INSURANCE - LUMP SUM	1.00	\$3,500.00	\$3,500.00
10801.0 - ROOT CUTTING - CURB AND GUTTER (UNDISTRIBUTED) - L.F.	200.00	\$0.01	\$2.00
10802.0 - ROOT CUTTING - SIDEWALK (UNDISTRIBUTED) - L.F.	200.00	\$0.01	\$2.00
10911.1 - MOBILIZATION: OLD MIDDLETON ROAD-STA. 1+00 TO STA. 33+00 - LUMP SUM	1.00	\$6,000.00	\$6,000.00
10911.2 - MOBILIZATION: OLD MIDDLETON ROAD-STA. 33+00 TO STA. 70+00 - LUMP SUM	1.00	\$355,380.00	\$355,380.00
10911.3 - MOBILIZATION: CRAIG AVENUE - LUMP SUM	1.00	\$3,000.00	\$3,000.00
20101.0 - EXCAVATION CUT - C.Y.	26200.00	\$19.00	\$497,800.00
20130.0 - UNDERDRAIN - L.F.	678.00	\$21.00	\$14,238.00
20140.0 - GEOTEXTILE FABRIC TYPE SAS (NON-WOVEN) - S.Y.	1984.00	\$2.50	\$4,960.00
20219.0 - BREAKER RUN - TON	14680.00	\$8.35	\$122,578.00
20221.0 - TOPSOIL - S.Y.	6270.00	\$4.50	\$28,215.00
20303.0 - SAWCUT ASPHALT PAVEMENT - L.F.	1146.00	\$4.25	\$4,870.50
20322.0 - REMOVE CONCRETE CURB & GUTTER - L.F.	9692.00	\$4.00	\$38,768.00
20323.0 - REMOVE CONCRETE SIDEWALK AND DRIVE - S.F.	26064.00	\$4.50	\$117,288.00
20401.0 - CLEARING - I.D.	271.00	\$21.57	\$5,845.47
20406.0 - GRUBBING - I.D.	271.00	\$21.90	\$5,934.90
20701.0 - TERRACE SEEDING - S.Y.	6270.00	\$1.50	\$9,405.00
21063.0 - EROSION MATTING, CLASS I, TYPE A- ORGANIC - S.Y.	6270.00	\$2.00	\$12,540.00
30201.0 - TYPE "A" CONCRETE CURB & GUTTER - L.F.	9692.00	\$24.30	\$235,515.60
30203.0 - TYPE "X" CONCRETE CURB & GUTTER - L.F.	46.00	\$27.25	\$1,253.50
30207.0 - TYPE "H" CONCRETE CURB & GUTTER - L.F.	71.00	\$26.40	\$1,874.40
30208.0 - HAND FORMED CONCRETE CURB & GUTTER (TREE LOCATIONS) - L.F.	300.00	\$27.25	\$8,175.00
30209.0 - SPECIAL WATERWAY - S.F.	580.00	\$7.95	\$4,611.00
30211.0 - TRAFFIC CIRCLE MOUNTABLE CONCRETE CURB & GUTTER - L.F.	100.00	\$52.40	\$5,240.00
30301.0 - 5 INCH CONCRETE SIDEWALK - S.F.	22492.00	\$5.95	\$133,827.40
30302.0 - 7 INCH CONCRETE SIDEWALK & DRIVE - S.F.	10040.00	\$6.15	\$61,746.00
30311.0 - CONCRETE MOUNTABLE MEDIAN ISLAND NOSE - S.F.	130.00	\$13.00	\$1,690.00

OLD MIDDLETON RD. AND CRAIG AVE. RESURFACING ASSESSMENT DISTRICT - 2021

CONTRACT NO. 8650
DATE: 3/17/2022

**Speedway Sand & Gravel,
Inc.**

Item	Quantity	Price	Extension
30340.0 - CURB RAMP DETECTABLE WARNING FIELDS - S.F.	480.00	\$50.00	\$24,000.00
40101.0 - CRUSHED AGGREGATE BASE COURSE, GRADATION NO. 1 - TON	13498.00	\$16.50	\$222,717.00
40102.0 - CRUSHED AGGREGATE BASE COURSE, GRADATION NO. 2 - TON	15157.00	\$16.50	\$250,090.50
40202.0 - HMA PAVEMENT 4 LT 58-28 S - TON	1525.00	\$73.00	\$111,325.00
40203.0 - HMA PAVEMENT 3 MT 58-28 S - TON	6384.00	\$63.00	\$402,192.00
40204.0 - HMA PAVEMENT 4 MT 58-28 S - TON	3684.00	\$70.00	\$257,880.00
40218.0 - TACK COAT - GAL	3750.00	\$2.50	\$9,375.00
40231.0 - ASPHALT DRIVE & TERRACE - S.Y.	200.00	\$25.00	\$5,000.00
40301.0 - FULL WIDTH GRINDING - S.Y.	1100.00	\$7.00	\$7,700.00
60800.0 - PAVEMENT MARKING EPOXY, LINE, 4-INCH - L.F.	26400.00	\$0.42	\$11,088.00
60801.0 - PAVEMENT MARKING EPOXY, DOUBLE LINE, 4-INCH - L.F.	6600.00	\$0.84	\$5,544.00
60803.0 - PAVEMENT MARKING EPOXY, LINE, 8-INCH - L.F.	325.00	\$0.78	\$253.50
60812.0 - PAVEMENT MARKING EPOXY, CROSSWALK, 6-INCH - L.F.	781.00	\$7.25	\$5,662.25
60816.0 - PAVEMENT MARKING EPOXY, CONTINENTAL CROSSWALK, 18-INCH - L.F.	1944.00	\$9.50	\$18,468.00
60818.0 - PAVEMENT MARKING EPOXY, STOP LINE, 24-INCH - L.F.	511.00	\$10.75	\$5,493.25
60823.0 - PAVEMENT MARKING EPOXY, SYMBOL, BIKE LANE - EACH	25.00	\$235.00	\$5,875.00
60824.0 - PAVEMENT MARKING EPOXY, SYMBOL, BIKE STRAIGHT ARROW - EACH	1.00	\$440.00	\$440.00
60826.0 - PAVEMENT MARKING EPOXY, SYMBOL, BIKE LANE & STRAIGHT ARROW - EACH	1.00	\$310.00	\$310.00
60827.0 - PAVEMENT MARKING EPOXY, SYMBOL, BIKE LANE & LEFT ARROW - EACH	1.00	\$310.00	\$310.00
60829.0 - PAVEMENT MARKING EPOXY, SYMBOL, LEFT ARROW - EACH	2.00	\$215.00	\$430.00
60834.0 - PAVEMENT MARKING EPOXY, WORD, ONLY - EACH	2.00	\$275.00	\$550.00
60940.0 - TEMPORARY PAVEMENT MARKING TAPE, REMOVABLE, REFLECTIVE, LINE, 4-INCH - L.F.	500.00	\$2.00	\$1,000.00
60945.0 - TEMPORARY PAVEMENT MARKING TAPE, REMOVABLE, REFLECTIVE, LINE, 24-INCH - L.F.	50.00	\$7.00	\$350.00
70104.0 - ADJUST WATER VALVE BOX - EACH	31.00	\$321.00	\$9,951.00
90000.0 - CONCRETE ISLAND - S.F.	502.00	\$11.85	\$5,948.70
90001.0 - HIGH FRICTION COLORED PAVEMENT MARKING, MMA-GREEN - S.F.	940.00	\$14.80	\$13,912.00
90002.0 - TRAFFIC CONTROL FLEXIBLE TUBULAR MARKER POSTS - EACH	50.00	\$35.00	\$1,750.00
90003.0 - TRAFFIC CONTROL FLEXIBLE TUBULAR MARKER BASES - EACH	50.00	\$5.00	\$250.00
90004.0 - TEMPORARY BUS STOP - EACH	14.00	\$400.00	\$5,600.00
20217.0 - CLEAR STONE - TON	1515.00	\$15.90	\$24,088.50
20501.0 - ADJUST SEWER ACCESS STRUCTURE (STORM) - EACH	1.00	\$456.00	\$456.00
20503.0 - ADJUST INLET - EACH	18.00	\$321.00	\$5,778.00
21002.0 - EROSION CONTROL INSPECTION - EACH	15.00	\$225.00	\$3,375.00
21011.0 - CONSTRUCTION ENTRANCE - EACH	7.00	\$234.00	\$1,638.00
21012.0 - STREET CONSTRUCTION ENTRANCE BERM - EACH	11.00	\$234.00	\$2,574.00

OLD MIDDLETON RD. AND CRAIG AVE. RESURFACING ASSESSMENT DISTRICT - 2021

CONTRACT NO. 8650
DATE: 3/17/2022

**Speedway Sand & Gravel,
Inc.**

Item	Quantity	Price	Extension
21013.0 - STREET SWEEPING - LUMP SUM	1.00	\$6,500.00	\$6,500.00
21015.0 - STREET CONSTRUCTION STONE BERM - EACH	49.00	\$198.00	\$9,702.00
21018.0 - SILT SOCK (8 INCH) - PROVIDE, INSTALL, & MAINTAIN - L.F.	140.00	\$10.00	\$1,400.00
21019.0 - SILT SOCK (8 INCH) - REMOVE & RESTORE - L.F.	140.00	\$10.00	\$1,400.00
21042.0 - INLET PROTECTION, TYPE D - PROVIDE & INSTALL - EACH	5.00	\$100.00	\$500.00
21043.0 - INLET PROTECTION, TYPE D - MAINTAIN - EACH	5.00	\$65.00	\$325.00
21044.0 - INLET PROTECTION, TYPE D - REMOVE - EACH	5.00	\$25.00	\$125.00
21049.0 - INLET PROTECTION, RIGID FRAME - PROVIDE & INSTALL - EACH	173.00	\$300.00	\$51,900.00
21050.0 - INLET PROTECTION, RIGID FRAME - MAINTAIN - EACH	173.00	\$50.00	\$8,650.00
21051.0 - INLET PROTECTION, RIGID FRAME - REMOVE - EACH	173.00	\$25.00	\$4,325.00
50401.0 - 12 INCH RCP STORM SEWER PIPE - L.F.	1487.00	\$82.35	\$122,454.45
50432.0 - 12 INCH TYPE II PAVEMENT STORM SEWER PIPE - L.F.	68.00	\$82.35	\$5,599.80
50741.0 - TYPE H INLET - EACH	55.00	\$3,430.00	\$188,650.00
20311.0 - REMOVE SEWER ACCESS STRUCTURE (STORM) - EACH	22.00	\$678.00	\$14,916.00
20313.0 - REMOVE INLET - EACH	44.00	\$456.00	\$20,064.00
20314.0 - REMOVE PIPE - L.F.	2261.00	\$34.00	\$76,874.00
20331.0 - ABANDON SEWER ACCESS STRUCTURE (STORM) - EACH	2.00	\$567.00	\$1,134.00
20336.0 - PIPE PLUG (STORM) - EACH	28.00	\$298.00	\$8,344.00
20503.0 - ADJUST INLET - EACH	11.00	\$400.00	\$4,400.00
20506.0 - ADJUST SEWER ACCESS STRUCTURE CASTING - EACH	2.00	\$400.00	\$800.00
50202.0 - TYPE II DEWATERING (STORM) - L.S.	1.00	\$40.00	\$40.00
50211.0 - SELECT BACKFILL FOR STORM SEWER - T.F.	5932.00	\$0.01	\$59.32
50402.0 - 15 INCH RCP STORM SEWER PIPE - L.F.	350.00	\$86.95	\$30,432.50
50403.0 - 18 INCH RCP STORM SEWER PIPE - L.F.	489.00	\$94.20	\$46,063.80
50404.0 - 21 INCH RCP STORM SEWER PIPE - L.F.	65.00	\$98.25	\$6,386.25
50405.0 - 24 INCH RCP STORM SEWER PIPE - L.F.	1132.00	\$120.15	\$136,009.80
50407.0 - 30 INCH RCP STORM SEWER PIPE - L.F.	218.00	\$139.70	\$30,454.60
50409.0 - 36 INCH RCP STORM SEWER PIPE - L.F.	265.00	\$188.50	\$49,952.50
50410.0 - 42 INCH RCP STORM SEWER PIPE - L.F.	812.00	\$227.75	\$184,933.00
50411.0 - 48 INCH RCP STORM SEWER PIPE - L.F.	770.00	\$266.30	\$205,051.00
50435.0 - 24 INCH TYPE II PAVEMENT STORM SEWER PIPE - L.F.	24.00	\$120.15	\$2,883.60
50437.0 - 36 INCH TYPE II PAVEMENT STORM SEWER PIPE - L.F.	25.00	\$188.20	\$4,705.00
50499.0 - CONCRETE COLLAR - EACH	4.00	\$600.00	\$2,400.00
50723.0 - 3'X3' STORM SAS - EACH	18.00	\$3,690.00	\$66,420.00
50724.0 - 4'X4' STORM SAS - EACH	9.00	\$4,590.00	\$41,310.00
50725.0 - 5'X5' STORM SAS - EACH	19.00	\$6,170.00	\$117,230.00
50726.0 - 6'X6' STORM SAS - EACH	6.00	\$6,610.00	\$39,660.00
50768.0 - TERRACE INLET TYPE 3 - EACH	7.00	\$4,980.00	\$34,860.00
50792.0 - STORM SEWER TAP (UNDISTRIBUTED) - EACH	5.00	\$876.00	\$4,380.00
50793.0 - PRIVATE STORM SEWER RECONNECT, TYPE 1 - EACH	1.00	\$1,400.00	\$1,400.00
50801.0 - UTILITY LINE OPENING (ULO) - EACH	53.00	\$678.00	\$35,934.00
70041.0 - RELOCATE HYDRANT - EACH	3.00	\$2,362.00	\$7,086.00
70101.0 - FURNISH AND INSTALL STYROFOAM - EACH	56.00	\$105.00	\$5,880.00
90010.0 - RELOCATE WATER LATERAL SERVICE (UNDISTRIBUTED) - EACH	20.00	\$800.00	\$16,000.00
90011.0 - RELOCATE WATER MAIN (UNDISTRIBUTED) - EACH	10.00	\$3,238.00	\$32,380.00
90012.0 - ROOF FASTENING WRAP FOR STORM SAS - S.F.	132.00	\$4.00	\$528.00
90013.0 - 42 INCH TYPE II PAVEMENT STORM SEWER PIPE - L.F.	80.00	\$227.75	\$18,220.00

OLD MIDDLETON RD. AND CRAIG AVE. RESURFACING ASSESSMENT DISTRICT - 2021

CONTRACT NO. 8650
DATE: 3/17/2022

**Speedway Sand & Gravel,
Inc.**

Item	Quantity	Price	Extension
90014.0 - 48 INCH TYPE II PAVEMENT STORM SEWER PIPE - L.F.	147.00	\$265.50	\$39,028.50
90015.0 - REMOVE AND REPLACE STONE RETAINING WALL - L.F.	15.00	\$150.00	\$2,250.00
20102.0 - ROCK EXCAVATION (UNDISTRIBUTED) - C.Y.	50.00	\$25.00	\$1,250.00
20311.0 - REMOVE SEWER ACCESS STRUCTURE (SANITARY) - EACH	25.00	\$789.00	\$19,725.00
20314.0 - REMOVE PIPE (SANITARY) UNDISTRIBUTED - L.F.	200.00	\$34.00	\$6,800.00
20331.0 - ABANDON SEWER ACCESS STRUCTURE (SANITARY) - EACH	6.00	\$678.00	\$4,068.00
20335.0 - ABANDON SEWER WITH SLURRY - C.Y.	135.00	\$251.00	\$33,885.00
20336.0 - PIPE PLUG (SANITARY) UNDISTRIBUTED - EACH	20.00	\$298.00	\$5,960.00
20501.0 - ADJUST SEWER ACCESS STRUCTURE (SANITARY) - EACH	10.00	\$345.00	\$3,450.00
21063.0 - EROSION MATTING, CLASS I, TYPE A - ORGANIC - S.Y.	210.00	\$2.00	\$420.00
50103.0 - RECONSTRUCT BENCH AND FLOWLINE(S) - EACH	5.00	\$987.00	\$4,935.00
50202.0 - TYPE II DEWATERING (SANITARY) - L.S.	1.00	\$50.00	\$50.00
50212.0 - SELECT FILL FOR SANITARY SEWER MAIN - T.F.	11504.00	\$0.01	\$115.04
50225.0 - UTILITY TRENCH PATCH TYPE III - T.F.	209.00	\$89.76	\$18,759.84
50301.0 - 8" PVC SANITARY SEWER PIPE SDR-35/SDR-26 - L.F.	5606.00	\$154.42	\$865,678.52
50302.0 - 10" PVC SANITARY SEWER PIPE SDR-35 - L.F.	1131.00	\$160.37	\$181,378.47
50303.0 - 12" PVC SANITARY SEWER PIPE SDR-35 - L.F.	92.00	\$174.81	\$16,082.52
50353.0 - SANITARY SEWER LATERAL SDR-35/SDR-26 - L.F.	3551.00	\$37.43	\$132,913.93
50356.0 - RECONNECT SANITARY LATERAL - EACH	103.00	\$2,977.40	\$306,672.20
50359.0 - COMPRESSION COUPLING - EACH	9.00	\$1,323.89	\$11,915.01
50361.0 - HEAVY WASTEWATER CONTROL - L.S.	1.00	\$29,975.00	\$29,975.00
50390.0 - SEWER ELECTRONIC MARKERS - EACH	318.00	\$32.00	\$10,176.00
50701.0 - 4' DIAMETER SAS - EACH	42.00	\$4,631.70	\$194,531.40
50702.0 - 5' DIAMETER SAS - EACH	7.00	\$5,167.65	\$36,173.55
50771.0 - INTERNAL CHIMNEY SEAL - EACH	21.00	\$410.00	\$8,610.00
50783.0 - INSIDE DROP - V.F.	28.00	\$321.00	\$8,988.00
50791.0 - SANITARY SEWER TAP - EACH	38.00	\$1,616.00	\$61,408.00
50797.0 - EXTERNAL SEWER ACCESS STRUCTURE JOINT SEAL - EACH	16.00	\$455.00	\$7,280.00
90020.0 - SANITARY FORCE MAIN - 18 INCH - L.F.	1124.00	\$277.10	\$311,460.40
60222.0 - FURNISH & INSTALL 3 INCH PVC (SCHEDULE 80) CONDUIT - LF	950.00	\$12.00	\$11,400.00
60224.0 - FURNISH & INSTALL 3 INCH PVC (SCHEDULE 40) CONDUIT - LF	1500.00	\$11.00	\$16,500.00
60228.0 - FURNISH & INSTALL 2 1/2 INCH PVC (SCHEDULE 40) CONDUIT - LF	50.00	\$11.00	\$550.00
60232.0 - FURNISH & INSTALL 2 INCH PVC (SCHEDULE 40) CONDUIT - LF	135.00	\$9.00	\$1,215.00
60234.0 - FURNISH & INSTALL 1 1/4 INCH PVC (SCHEDULE 40) CONDUIT - LF	315.00	\$9.00	\$2,835.00
60241.0 - GOPHER RACEWAY FOR ELECTRICAL CONDUIT - LF	200.00	\$20.00	\$4,000.00
60261.0 - ELECTRICAL TRENCH - LF	1450.00	\$4.00	\$5,800.00
60407.0 - CONSTRUCT LB-8 BASE - EACH	8.00	\$1,300.00	\$10,400.00
60409.0 - CONSTRUCTION OFFSET BASE - EACH	1.00	\$2,000.00	\$2,000.00
60411.0 - CONSTRUCT TYPE "G" BASE - EACH	2.00	\$800.00	\$1,600.00
60413.0 - CONSTRUCT TYPE "P" BASE - EACH	1.00	\$1,500.00	\$1,500.00
60423.0 - REMOVE TRAFFIC SIGNAL BASE - EACH	11.00	\$543.00	\$5,973.00
60425.0 - REMOVE TRAFFIC SIGNAL OR STREERLIGHT CABINET - EACH	1.00	\$987.00	\$987.00
60427.0 - REMOVE ELECTRICAL HANDHOLE - EACH	4.00	\$450.00	\$1,800.00
60441.0 - AUGER CONCRETE ELECTRICAL BASE - EACH	1.00	\$500.00	\$500.00
60702.0 - CONSTRUCT ELECTRICAL HANDHOLE TYPE 1 - EACH	3.00	\$900.00	\$2,700.00
60704.0 - CONSTRUCT ELECTRICAL HANDHOLE TYPE 3 - EACH	5.00	\$600.00	\$3,000.00
60706.0 - CONSTRUCT ELECTRICAL HANDHOLE TYPE 5 - EACH	7.00	\$1,200.00	\$8,400.00

OLD MIDDLETON RD. AND CRAIG AVE. RESURFACING ASSESSMENT DISTRICT - 2021

CONTRACT NO. 8650
 DATE: 3/17/2022

**Speedway Sand & Gravel,
 Inc.**

Item	Quantity	Price	Extension
60708.0 - CONSTRUCT ELECTRICAL HANDHOLE TYPE 7 - EACH	2.00	\$2,300.00	\$4,600.00
60222.0 - FURNISH & INSTALL 3 INCH PVC (SCHEDULE 80) CONDUIT - LF	20.00	\$12.00	\$240.00
60224.0 - FURNISH & INSTALL 3 INCH PVC (SCHEDULE 40) CONDUIT - LF	20.00	\$11.00	\$220.00
60230.0 - FURNISH & INSTALL 2 INCH PVC (SCHEDULE 80) CONDUIT - LF	700.00	\$10.00	\$7,000.00
60232.0 - FURNISH & INSTALL 2 INCH PVC (SCHEDULE 40) CONDUIT - LF	1550.00	\$9.00	\$13,950.00
60241.0 - GOPHER RACEWAY FOR ELECTRICAL CONDUIT - LF	310.00	\$20.00	\$6,200.00
60261.0 - ELECTRICAL TRENCH - LF	1515.00	\$4.00	\$6,060.00
60403.0 - CONSTRUCT LB-3 BASE - EACH	10.00	\$1,000.00	\$10,000.00
60409.0 - CONSTRUCTION OFFSET BASE - EACH	1.00	\$2,000.00	\$2,000.00
60413.0 - CONSTRUCT TYPE "P" BASE - EACH	1.00	\$1,500.00	\$1,500.00
60421.0 - REMOVE STREET LIGHT BASE - EACH	12.00	\$450.00	\$5,400.00
60427.0 - REMOVE ELECTRICAL HANDHOLE - EACH	1.00	\$450.00	\$450.00
60702.0 - CONSTRUCT ELECTRICAL HANDHOLE TYPE 1 - EACH	4.00	\$900.00	\$3,600.00
60706.0 - CONSTRUCT ELECTRICAL HANDHOLE TYPE 5 - EACH	2.00	\$1,200.00	\$2,400.00
90030.0 - INSTALL AND MAINTAIN SUPPORT STRUCTURES FOR STREET LIGHTS AND TEMPORARY TRAFFIC SIGNALS - LUMP SUM	1.00	\$15,000.00	\$15,000.00
178 Items	Totals		\$7,275,045.47



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

Deputy City Engineer
Gregory T. Fries, P.E.

Deputy Division Manager
Kathleen M. Cryan

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

Principal Engineer 1
Christina M. Bachmann, P.E.
Mark D. Moder, P.E.
Janet Schmidt, P.E.
James M. Wolfe, P.E.

Facilities & Sustainability
Bryan Cooper, Principal Architect

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

Financial Manager
Steven B. Danner-Rivers

BIENNIAL BID BOND

Speedway Sand & Gravel, Inc.

(a corporation of the State of Wisconsin
(individual), (partnership), (hereinafter referred to as the "Principal") and
Fidelity and Deposit Company of Maryland

a corporation of the State of Maryland (hereinafter referred to as the "Surety") and licensed to do business in the State of Wisconsin, are held and firmly bound unto the City of Madison, Wisconsin (hereinafter referred to as the "City"), in the sum equal to the individual proposal guaranty amounts of the total bid or bids of the Principal herein accepted by the City, for the payment of which the Principal and the Surety hereby jointly and severally bind ourselves, our heirs, executors, administrators, successors and assigns.

The condition of this obligation is that the Principal has submitted to the City certain bids for projects from the time period of February 1, 2022 through January 31, 2024.

If the Principal is awarded the contract(s) by the City and, within the time and manner required by law after the prescribed forms are presented for its signature, the Principal enters into (a) written contract(s) in accordance with the bid(s), and files with the City its bond(s) guaranteeing faithful performance and payment for all labor and materials, as required by law, or if the City rejects all bids for the work described, then this obligation shall be null and void; otherwise, it shall remain in full force and effect.

In the event the Principal shall fail to execute and deliver the contract(s) or the performance and payment bond(s), all within the time specified or any extension thereof, the Principal and Surety agree jointly and severally to pay to the City within ten (10) calendar days of written demand a total equal to the sum of the individual proposal guaranty amounts of the total bid(s) as liquidated damages.

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

This bond may be terminated by the Surety upon giving thirty (30) days written notice to the City of its intent to terminate this bond and to be released and discharged therefrom, but such termination shall not operate to relieve or discharge the Surety from any liability already accrued or which shall accrue before the expiration of such thirty (30) day period.

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.

PRINCIPAL

Speedway Sand & Gravel, Inc.
COMPANY NAME AFFIX SEAL

Dec 15, 2021
DATE

By: Janice Ryan
SIGNATURE AND TITLE Corp sec.

SURETY

Fidelity and Deposit Company of Maryland
COMPANY NAME AFFIX SEAL

December 15, 2021
DATE

By: Nicole Stillings
SIGNATURE AND TITLE
Nicole Stillings, Attorney-in-Fact

This certifies that I have been duly licensed as an agent for the Surety in Wisconsin under National Provider No. 6966174 for the year 2020 and appointed as attorney in fact with authority to execute this bid bond, which power of attorney has not been revoked.

December 15, 2021
DATE

Nicole Stillings
AGENT SIGNATURE

1600 Aspen Commons, Suite 990
ADDRESS

Middleton, WI 53562
CITY, STATE AND ZIP CODE

608-242-2551
TELEPHONE NUMBER

Note to Surety and Principal: Any bid submitted which this bond guarantees may be rejected if the Power of Attorney form showing that the Agent of Surety is currently authorized to execute bonds on behalf of Surety is not attached to this bond.

**ZURICH AMERICAN INSURANCE COMPANY
COLONIAL AMERICAN CASUALTY AND SURETY COMPANY
FIDELITY AND DEPOSIT COMPANY OF MARYLAND
POWER OF ATTORNEY**

KNOW ALL MEN BY THESE PRESENTS: That the ZURICH AMERICAN INSURANCE COMPANY, a corporation of the State of New York, the COLONIAL AMERICAN CASUALTY AND SURETY COMPANY, a corporation of the State of Illinois, and the FIDELITY AND DEPOSIT COMPANY OF MARYLAND a corporation of the State of Illinois (herein collectively called the "Companies"), by **Robert D. Murray, Vice President**, in pursuance of authority granted by Article V, Section 8, of the By-Laws of said Companies, which are set forth on the reverse side hereof and are hereby certified to be in full force and effect on the date hereof, do hereby nominate, constitute, and appoint **R. W. FRANK, Brian J. OESTREICH, Melinda C. BLODGETT, Nathan WEAVER, Joshua R. LOFTIS, R.C. BOWMAN, Ted JORGENSEN, Nicole STILLINGS and C. WHITE, of Minneapolis, Minnesota**, its true and lawful agent and Attorney-in-Fact, to make, execute, seal and deliver, for, and on its behalf as surety, and as its act and deed: **any and all bonds and undertakings**, and the execution of such bonds or undertakings in pursuance of these presents, shall be as binding upon said Companies, as fully and amply, to all intents and purposes, as if they had been duly executed and acknowledged by the regularly elected officers of the ZURICH AMERICAN INSURANCE COMPANY at its office in New York, New York, the regularly elected officers of the COLONIAL AMERICAN CASUALTY AND SURETY COMPANY at its office in Owings Mills, Maryland., and the regularly elected officers of the FIDELITY AND DEPOSIT COMPANY OF MARYLAND at its office in Owings Mills, Maryland., in their own proper persons.

The said Vice President does hereby certify that the extract set forth on the reverse side hereof is a true copy of Article V, Section 8, of the By-Laws of said Companies, and is now in force.

IN WITNESS WHEREOF, the said Vice-President has hereunto subscribed his/her names and affixed the Corporate Seals of the said ZURICH AMERICAN INSURANCE COMPANY, COLONIAL AMERICAN CASUALTY AND SURETY COMPANY, and FIDELITY AND DEPOSIT COMPANY OF MARYLAND, this 18th day of November, A.D. 2021.



**ATTEST:
ZURICH AMERICAN INSURANCE COMPANY
COLONIAL AMERICAN CASUALTY AND SURETY COMPANY
FIDELITY AND DEPOSIT COMPANY OF MARYLAND**

By: *Robert D. Murray*
Vice President

By: *Dawn E. Brown*
Secretary

**State of Maryland
County of Baltimore**

On this 18th day of November, A.D. 2021, before the subscriber, a Notary Public of the State of Maryland, duly commissioned and qualified, **Robert D. Murray, Vice President and Dawn E. Brown, Secretary** of the Companies, to me personally known to be the individuals and officers described in and who executed the preceding instrument, and acknowledged the execution of same, and being by me duly sworn, depose and saith, that he/she is the said officer of the Company aforesaid, and that the seals affixed to the preceding instrument are the Corporate Seals of said Companies, and that the said Corporate Seals and the signature as such officer were duly affixed and subscribed to the said instrument by the authority and direction of the said Corporations.

IN TESTIMONY WHEREOF, I have hereunto set my hand and affixed my Official Seal the day and year first above written.



Constance A. Dunn, Notary Public
My Commission Expires: July 9, 2023

EXTRACT FROM BY-LAWS OF THE COMPANIES

"Article V, Section 8, Attorneys-in-Fact. The Chief Executive Officer, the President, or any Executive Vice President or Vice President may, by written instrument under the attested corporate seal, appoint attorneys-in-fact with authority to execute bonds, policies, recognizances, stipulations, undertakings, or other like instruments on behalf of the Company, and may authorize any officer or any such attorney-in-fact to affix the corporate seal thereto; and may with or without cause modify or revoke any such appointment or authority at any time."

CERTIFICATE

I, the undersigned, Vice President of the ZURICH AMERICAN INSURANCE COMPANY, the COLONIAL AMERICAN CASUALTY AND SURETY COMPANY, and the FIDELITY AND DEPOSIT COMPANY OF MARYLAND, do hereby certify that the foregoing Power of Attorney is still in full force and effect on the date of this certificate; and I do further certify that Article V, Section 8, of the By-Laws of the Companies is still in force.

This Power of Attorney and Certificate may be signed by facsimile under and by authority of the following resolution of the Board of Directors of the ZURICH AMERICAN INSURANCE COMPANY at a meeting duly called and held on the 15th day of December 1998.

RESOLVED: "That the signature of the President or a Vice President and the attesting signature of a Secretary or an Assistant Secretary and the Seal of the Company may be affixed by facsimile on any Power of Attorney...Any such Power or any certificate thereof bearing such facsimile signature and seal shall be valid and binding on the Company."

This Power of Attorney and Certificate may be signed by facsimile under and by authority of the following resolution of the Board of Directors of the COLONIAL AMERICAN CASUALTY AND SURETY COMPANY at a meeting duly called and held on the 5th day of May, 1994, and the following resolution of the Board of Directors of the FIDELITY AND DEPOSIT COMPANY OF MARYLAND at a meeting duly called and held on the 10th day of May, 1990.

RESOLVED: "That the facsimile or mechanically reproduced seal of the company and facsimile or mechanically reproduced signature of any Vice-President, Secretary, or Assistant Secretary of the Company, whether made heretofore or hereafter, wherever appearing upon a certified copy of any power of attorney issued by the Company, shall be valid and binding upon the Company with the same force and effect as though manually affixed.

IN TESTIMONY WHEREOF, I have hereunto subscribed my name and affixed the corporate seals of the said Companies, this 15th day of December, 2021.



MJ Pethick

By: Mary Jean Pethick
Vice President

TO REPORT A CLAIM WITH REGARD TO A SURETY BOND, PLEASE SUBMIT A COMPLETE DESCRIPTION OF THE CLAIM INCLUDING THE PRINCIPAL ON THE BOND, THE BOND NUMBER, AND YOUR CONTACT INFORMATION TO:

Zurich Surety Claims
1299 Zurich Way
Schaumburg, IL 60196-1056
www.reportsfclaims@zurichna.com
800-626-4577

Authenticity of this bond can be confirmed at bondvalidator.zurichna.com or 410-559-8790

CERTIFICATE OF BIENNIAL BID BOND

TIME PERIOD- VALID (FROM/TO) February 1, 2022 - January 31, 2024
NAME OF SURETY Fidelity and Deposit Company of Maryland
NAME OF CONTRACTOR Speedway Sand & Gravel, Inc.
CERTIFICATE HOLDER City of Madison, Wisconsin

This is to certify that a biennial bid bond issued by the above-named Surety is currently on file with the City of Madison.

This certificate is issued as a matter of information and conveys no rights upon the certificate holder and does not amend, extend or alter the coverage of the biennial bid bond.

Cancellation: Should the above policy be cancelled before the expiration date, the issuing Surety will give thirty (30) days written notice to the certificate holder indicated above.



SIGNATURE OF AUTHORIZED CONTRACTOR REPRESENTATIVE

February 1, 2022

DATE

SECTION H: AGREEMENT

THIS AGREEMENT made this 30th day of March in the year Two Thousand and Twenty-Two between **SPEEDWAY SAND & GRAVEL, 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 **MARCH 29, 2022**, 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:

OLD MIDDLETON RD. AND CRAIG AVE. RESURFACING ASSESSMENT DISTRICT - 2021 CONTRACT NO. 8650

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 **SEVEN MILLION TWO HUNDRED SEVENTY-FIVE THOUSAND FORTY-FIVE AND 47/100 (\$7,275,045.47)** 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.

The notice will include a job description, classification, qualifications and application procedures 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 ten thousand dollars (\$10,000), 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)(I), 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:




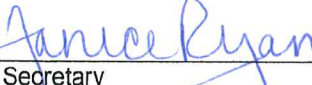
1. Hiring for a position where certain convictions or violations are a bar to employment in that position under applicable law, or
2. Hiring a position for which information about criminal or arrest record, or a background check is required by law to be performed at a time or in a manner that would otherwise 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.

**OLD MIDDLETON RD. AND CRAIG AVE. RESURFACING ASSESSMENT DISTRICT
- 2021
CONTRACT NO. 8650**

IN WITNESS WHEREOF, the Contractor has hereunto set his/her hand and seal and the City has caused this contract to be sealed with its corporate seal and to be executed by its Mayor and City Clerk on the dates written below.

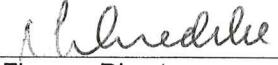




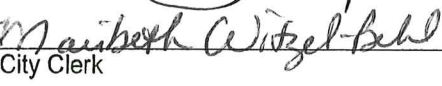
Countersigned:

		<u>SPEEDWAY SAND & GRAVEL, INC.</u>		
		Company Name		
	3/30/2022		3/30/2022	
Witness	Date	v. President	Date	
	3/30/2022		3/30/2022	
Witness	Date	Secretary	Date	

CITY OF MADISON, WISCONSIN

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

Approved as to form:

	4/5/2022		4/5/22	
Finance Director	Date	City Attorney	Date	
	4/5/22		4/5/22	
Witness	Date	Mayor	Date	
	4/4/22		4-4-2022	
Witness	Date	City Clerk	Date	

SECTION I: PAYMENT AND PERFORMANCE BOND

LET ALL KNOW BY THESE DOCUMENTS PRESENTED, that we SPEEDWAY SAND & GRAVEL, INC. as principal, and Fidelity and Deposit Company of Maryland Company of Schaumburg, IL as surety, are held and firmly bound unto the City of Madison, Wisconsin, in the sum of SEVEN MILLION TWO HUNDRED SEVENTY-FIVE THOUSAND FORTY-FIVE AND 47/100 (\$7,275,045.47) 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:

**OLD MIDDLETON RD. AND CRAIG AVE. RESURFACING ASSESSMENT DISTRICT
- 2021
CONTRACT NO. 8650**

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 30th day of March, 2022

Countersigned:

SPEEDWAY SAND & GRAVEL, INC.
Company Name (Principal)

[Signature]
Witness

[Signature]
V. President Seal NA

[Signature]
Secretary

Approved as to form:

Fidelity and Deposit Company of Maryland
Surety Seal
 Salary Employee Commission
By [Signature]
Attorney-in-Fact **Nicole Stillings**

[Signature]
City Attorney

This certifies that I have been duly licensed as an agent for the above company in Wisconsin under National Producer Number 6966174 for the year 2022, and appointed as attorney-in-fact with authority to execute this payment and performance bond which power of attorney has not been revoked.

March 30, 2022
Date

[Signature]
Agent Signature

**ZURICH AMERICAN INSURANCE COMPANY
COLONIAL AMERICAN CASUALTY AND SURETY COMPANY
FIDELITY AND DEPOSIT COMPANY OF MARYLAND
POWER OF ATTORNEY**

KNOW ALL MEN BY THESE PRESENTS: That the ZURICH AMERICAN INSURANCE COMPANY, a corporation of the State of New York, the COLONIAL AMERICAN CASUALTY AND SURETY COMPANY, a corporation of the State of Illinois, and the FIDELITY AND DEPOSIT COMPANY OF MARYLAND a corporation of the State of Illinois (herein collectively called the "Companies"), by **Robert D. Murray, Vice President**, in pursuance of authority granted by Article V, Section 8, of the By-Laws of said Companies, which are set forth on the reverse side hereof and are hereby certified to be in full force and effect on the date hereof, do hereby nominate, constitute, and appoint **R. W. FRANK, Brian J. OESTREICH, Melinda C. BLODGETT, Nathan WEAVER, Joshua R. LOFTIS, R.C. BOWMAN, Ted JORGENSEN, Nicole STILLINGS and C. WHITE, of Minneapolis, Minnesota**, its true and lawful agent and Attorney-in-Fact, to make, execute, seal and deliver, for, and on its behalf as surety, and as its act and deed: **any and all bonds and undertakings**, and the execution of such bonds or undertakings in pursuance of these presents, shall be as binding upon said Companies, as fully and amply, to all intents and purposes, as if they had been duly executed and acknowledged by the regularly elected officers of the ZURICH AMERICAN INSURANCE COMPANY at its office in New York, New York., the regularly elected officers of the COLONIAL AMERICAN CASUALTY AND SURETY COMPANY at its office in Owings Mills, Maryland., and the regularly elected officers of the FIDELITY AND DEPOSIT COMPANY OF MARYLAND at its office in Owings Mills, Maryland., in their own proper persons.

The said Vice President does hereby certify that the extract set forth on the reverse side hereof is a true copy of Article V, Section 8, of the By-Laws of said Companies, and is now in force.

IN WITNESS WHEREOF, the said Vice-President has hereunto subscribed his/her names and affixed the Corporate Seals of the said ZURICH AMERICAN INSURANCE COMPANY, COLONIAL AMERICAN CASUALTY AND SURETY COMPANY, and FIDELITY AND DEPOSIT COMPANY OF MARYLAND, this 18th day of November, A.D. 2021.



ATTEST:
ZURICH AMERICAN INSURANCE COMPANY
COLONIAL AMERICAN CASUALTY AND SURETY COMPANY
FIDELITY AND DEPOSIT COMPANY OF MARYLAND

By: *Robert D. Murray*
Vice President

By: *Dawn E. Brown*
Secretary

State of Maryland
County of Baltimore

On this 18th day of November, A.D. 2021, before the subscriber, a Notary Public of the State of Maryland, duly commissioned and qualified, **Robert D. Murray, Vice President and Dawn E. Brown, Secretary** of the Companies, to me personally known to be the individuals and officers described in and who executed the preceding instrument, and acknowledged the execution of same, and being by me duly sworn, depose and saith, that he/she is the said officer of the Company aforesaid, and that the seals affixed to the preceding instrument are the Corporate Seals of said Companies, and that the said Corporate Seals and the signature as such officer were duly affixed and subscribed to the said instrument by the authority and direction of the said Corporations.

IN TESTIMONY WHEREOF, I have hereunto set my hand and affixed my Official Seal the day and year first above written.



Constance A. Dunn, Notary Public
My Commission Expires: July 9, 2023

EXTRACT FROM BY-LAWS OF THE COMPANIES

"Article V, Section 8, Attorneys-in-Fact. The Chief Executive Officer, the President, or any Executive Vice President or Vice President may, by written instrument under the attested corporate seal, appoint attorneys-in-fact with authority to execute bonds, policies, recognizances, stipulations, undertakings, or other like instruments on behalf of the Company, and may authorize any officer or any such attorney-in-fact to affix the corporate seal thereto; and may with or without cause modify or revoke any such appointment or authority at any time."

CERTIFICATE

I, the undersigned, Vice President of the ZURICH AMERICAN INSURANCE COMPANY, the COLONIAL AMERICAN CASUALTY AND SURETY COMPANY, and the FIDELITY AND DEPOSIT COMPANY OF MARYLAND, do hereby certify that the foregoing Power of Attorney is still in full force and effect on the date of this certificate; and I do further certify that Article V, Section 8, of the By-Laws of the Companies is still in force.

This Power of Attorney and Certificate may be signed by facsimile under and by authority of the following resolution of the Board of Directors of the ZURICH AMERICAN INSURANCE COMPANY at a meeting duly called and held on the 15th day of December 1998.

RESOLVED: "That the signature of the President or a Vice President and the attesting signature of a Secretary or an Assistant Secretary and the Seal of the Company may be affixed by facsimile on any Power of Attorney...Any such Power or any certificate thereof bearing such facsimile signature and seal shall be valid and binding on the Company."

This Power of Attorney and Certificate may be signed by facsimile under and by authority of the following resolution of the Board of Directors of the COLONIAL AMERICAN CASUALTY AND SURETY COMPANY at a meeting duly called and held on the 5th day of May, 1994, and the following resolution of the Board of Directors of the FIDELITY AND DEPOSIT COMPANY OF MARYLAND at a meeting duly called and held on the 10th day of May, 1990.

RESOLVED: "That the facsimile or mechanically reproduced seal of the company and facsimile or mechanically reproduced signature of any Vice-President, Secretary, or Assistant Secretary of the Company, whether made heretofore or hereafter, wherever appearing upon a certified copy of any power of attorney issued by the Company, shall be valid and binding upon the Company with the same force and effect as though manually affixed.

IN TESTIMONY WHEREOF, I have hereunto subscribed my name and affixed the corporate seals of the said Companies, this 30th day of March, 2022.



MJ Pethick

By: Mary Jean Pethick
Vice President

TO REPORT A CLAIM WITH REGARD TO A SURETY BOND, PLEASE SUBMIT A COMPLETE DESCRIPTION OF THE CLAIM INCLUDING THE PRINCIPAL ON THE BOND, THE BOND NUMBER, AND YOUR CONTACT INFORMATION TO:

Zurich Surety Claims
1299 Zurich Way
Schaumburg, IL 60196-1056
www.reportsfclaims@zurichna.com
800-626-4577

Authenticity of this bond can be confirmed at bondvalidator.zurichna.com or 410-559-8790