



**Bid Number 50-00143320**

**Two Year Contract for Rehabilitation of Sanitary Sewer Manholes for  
the Jefferson Parish Capital Projects.**

**BID DUE: October 31, 2023 AT 2:00 PM**

**ATTENTION VENDORS!!!**

**Please review all pages and respond accordingly, complying with all provisions in the technical specifications and Jefferson Parish Instructions for Bidders and General Terms and Conditions. All bids must be received on the Purchasing Department's eProcurement site, [www.jeffparishbids.net](http://www.jeffparishbids.net), by the bid due date and time. Late bids will not be accepted.**

**Jefferson Parish Purchasing Department  
200 Derbigny Street  
General Government Building, Suite 4400  
Gretna, LA 70053  
Donna Reamey  
Email: [Dreamey@jeffparish.net](mailto:Dreamey@jeffparish.net)  
Phone: 504-364-2684**

# TECHNICAL SPECIFICATIONS

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**SPECIFICATIONS  
JEFFERSON PARISH DEPARTMENT OF SEWERAGE  
SEWERAGE CAPITAL IMPROVEMENTS PROGRAM**

**FOR**

**TWO YEAR CONTRACT FOR REHABILITATION OF SANITARY SEWER  
MANHOLES FOR THE JEFFERSON PARISH DEPARTMENT OF SEWERAGE**

**GENERAL CONDITIONS/SUMMARY OF WORK**

**PART 1 - General Conditions**

**1.01: Scope:**

The purpose of this contract is to provide means for the rehabilitation and/or replacement of sanitary sewer manholes and for the restoration of impacted roadways, driveways, sidewalks, ADA ramps, landscaping, and ground cover (sod) associated with the work. Actual quantities used may fall below or exceed the estimated quantities listed on the bid form. Work Orders will be issued on an as needed basis, for sewer manholes at various locations on the East and West Banks of Jefferson Parish.

All work under this contract must conform to Jefferson Parish Engineering Department standard detail sheets included with these specifications.

**1.02: Familiarization with the Work:**

Before bid submittal, each prospective bidder shall familiarize themselves with the work, local labor conditions, and all laws, regulations, and other factors affecting performance of the work. Bidder shall carefully correlate their observations with the requirements of the contract documents, and otherwise be satisfied of the expense and difficulties for performance of the work. The submission of a bid will constitute a representation of compliance by the bidder. There will be no subsequent financial adjustment for lack of such familiarization.

**1.02: Contract Term:** The successful bidder shall be awarded the work for a period of two (2) years. The contract prices are firm during the entire two (2) year contract period.

**1.03 Bonds:**

**SURETY BID BOND:** A surety bond in the amount of 5% of the total bid price is due with the bid submission.

**PAYMENT BOND:** A payment bond in the amount of 100% of the contract amount is due at the signing of the formal contract.

**PERFORMANCE BOND:** A performance bond in the amount of 100% of the contract amount is due at the signing of the formal contract.

The cost of the bond premiums will be the responsibility of the Contractor.

**1.04 Contractor's License:**

A Louisiana State Contractor's License is required in the following category: Municipal and Public Works Construction.

**1.05 Pre-Bid Conference:**

**All prospective bidders are invited to attend this non-mandatory pre-bid conference which will be held at 10:00AM on October 13, 2023 at Jefferson Parish Purchasing Department, located at 200 Derbigny Street, Suite 4400, Gretna, La. 70053.** However, failure to attend the pre-bid conference shall not relieve the bidder of responsibility for information discussed at the conference. Furthermore, failure to attend the pre-bid conference and inspection does not relieve the successful bidder from the necessity of furnishing materials or performing any work that may be required to complete the work in accordance with the specification with no additional cost to the owner.

**1.06: Jefferson Parish General Specifications:**

The general specifications for construction projects and the purchase of materials, services and/or supplies are those adopted by the JEFFERSON PARISH Council by Resolution No. 141125 as amended. The general conditions adopted by this resolution shall be considered as much a part of this document as if they were written wholly herein. The resolution containing the new uniform set of general specifications is not reproduced herein. However, bidders shall be presumed to have full knowledge of these general conditions. A copy may be obtained from the Office of the Parish Clerk, Suite 6700, Jefferson Parish General Government Building, 200 Derbigny Street, Gretna, LA 70053.

**1.07: Work Scheduling:**

Work under this contract will be assigned by written Work Orders, which will include available maps and instructions for the exact work to be done. The maps will reflect the approximate location and existing conditions of manholes.

After receiving the Work Order the Contractor shall contact the designated Project Manager, to arrange for inspection of the work. No work shall be performed until a starting time has been agreed upon between the Contractor and the Project Manager. The time of completion for each Work Order shall be as stipulated in the issued Work Orders.

The Contractor performing work under this contract shall be required to coordinate his

operations with the designated Project Manager and/or Department of Sewerage personnel. The Contractor shall notify residents (by distribution of fliers, door hangers, etc.) a minimum of 48 hours prior to commencing work on any issued work order by the Parish. Additional notification periods for various items of work can be found in the specifications.

Once work has begun at a specific location, the Contractor must diligently pursue the work to be done until the work is completed. Jefferson Parish reserves the right to order the Contractor to dispatch additional personnel and equipment to the job site if, in the opinion of the Project Manager and/or Director of the Department of Sewerage, work is not proceeding in an orderly manner. This time limit for completion of the ordered work will be strictly enforced. Should the work not be progressing on schedule, Jefferson Parish may order the Contractor to employ additional crews in order to complete the work on time.

The Project Manager and/or Director of the Department of Sewerage have the right to require the Contractor to remove incompetent employees from the jobsite. In order for there to be proper communication the contractor shall provide cell phone communication contact information for the duration of this contract.

**1.08: Liquidated damages:**

Liquidated damages will be assessed in the amount of \$500 per day if the work order and restoration is not complete within the time frame stipulated in the work order. If the Contractor should fail to complete issued work orders in a timely manner and to the satisfaction of the Parish, liquidated damages will be assessed, and the issuance of additional work orders will be withheld. If Contractor continually fails to perform work to the satisfaction of Jefferson Parish, the Parish reserves the right to terminate the contract, re-advertise, and re-bid the contract.

**1.09: Retainage:**

Pursuant to LSA R.S. 38:2248, Owner shall retain the following percentages of each progress payment until payment is due under the terms and conditions governing substantial completion or final payment.

Contract Amount	Retainage
\$0 - \$1,000,000	10%
\$1,000,000 or greater	5%

**1.10: Bid Submittal:**

BIDS WILL BE RECEIVED ONLINE VIA [WWW.CENTRALAUCTIONHOUSE.COM](http://WWW.CENTRALAUCTIONHOUSE.COM) .

Bid submissions will only be accepted electronically via the Parish's e-Procurement system, Central Bidding. Central Bidding can be accessed by visiting either

[www.centrauctionhouse.com](http://www.centrauctionhouse.com). All vendors will be required to register with Central Bidding. Jefferson Parish vendors are able to register for free by accessing the following link: [www.centrauctionhouse.com/registration](http://www.centrauctionhouse.com/registration)

## **PART 2 - Execution**

### **2.01: Contractor's Use of Premises**

If the repair of a sewer manhole requires the Contractor to enter private property, he shall first receive the permission of the property owner. Prior to the commencement of any work (other than emergency work) the Contractor will distribute a printed notice informing the residents of upcoming work, at least 48 hours in advance of mobilization. The notice will include phone numbers of points of contact, and will be submitted to the Department of Sewerage for approval prior to distribution. This notice may be in the form of a flyer or door hanger.

### **2.02: Work Orders**

The Contractor's project superintendent will be required to visit each location with the Parish's representative or Inspector, prior to start of work.

The Contractor will be issued a work order to proceed with a "manhole rehabilitation", and at that time be furnished with a description of the work to be done. Work orders will be issued covering specific service areas within the Parish on both East and West Banks.

### **2.03: Work Sequence**

The work orders shall be prioritized by the Parish.

NOTE: Pay requests for work orders shall not be submitted until all repair work and restoration is complete. Any pay requests that include work orders that are not complete (including restoration) will be rejected until all work is complete for the work order.

Failure of the Contractor to meet the above specified time constraints will result in the following:

- A. Have the work performed by others and back charged to the Contractor
- OR**
- B. Persistent failure of the Contractor to meet the response deadlines (3 occurrences or more) may lead to contract termination. Notification of deficient performance will be by certified mail.
- OR**
- C. Liquidated damages in the amount of \$500 per day for each day the work order is not complete within the specified time frame.

The failure of Jefferson Parish to assert a breach for the failure of the Contractor to perform at any time shall not be construed to be a waiver of Jefferson Parish's rights hereunder.

Each work order will designate a work order number and work item number (specific for each address or manhole number). All correspondence, billing, etc. pertaining to the work shall reference this job number designation.

If, in the opinion of the Owner and Engineer, the Contractor does not diligently proceed with the work, or does not complete restoration within the time limits specified, the issuance of additional work orders will be withheld.

#### **2.04: Method of Construction**

- A) Prior to beginning construction, the contractor shall submit, for approval, the sites to be used for locating office trailers and material storage.
- B) All construction supervisory personnel, including job foreman, will be required to attend the pre-construction conference. The Contractor will be required to designate individual repair crews and designated restoration crews before work orders are issued.
- C) The Contractor shall furnish all labor, materials, equipment, tools, services, and incidentals to complete all work required by these specifications and Jefferson Parish Standard Drawings.

The Contractor will be required to have all equipment and materials on hand prior to commencement of work.

The Contractor will be responsible for the method of excavation (machine, hand, or both) used.

The contractor will be required to load the excavated material directly into dump trucks for disposal. No concrete, asphalt, or excavated material will be allowed to be deposited within the Right-of-Way limits during construction.

- D) The Contractor is responsible to provide the necessary plugging or blocking to isolate the manhole where work is to be performed by plugging incoming sewer lines as needed. The plug shall be inserted into the upstream line at the manhole where the work is to be performed. The Contractor shall be responsible of monitoring the upstream manhole main to ensure no sewage overflows occur. If sewerage builds up to within two feet (2') of the top of the upstream manhole, or if directed by the Project Manager or Owner, the Contractor shall pump the sewerage through a bypass pumping system to the downstream manhole. Unless otherwise specified bypass pumping required for the rehabilitation of manholes shall be considered incidental and included in the respective bid item unit price. All bypass pumping using 4-inch diameter pumps or smaller, will be considered incidental to the work and will not be considered for direct payment.
- E) All work performed under this Contract shall be done with minimum inconvenience to the users of the sewer system. The Contractor shall coordinate work with private property owners such that sewer service is

maintained to all users to the maximum extent possible.

- F) Trench sheeting will be used as required by the specifications. This is both a safety and design requirement.
- G) Temporary asphalt (hard) surfacing will be used when directed at "cuts" in all portions of disturbed streets, drives, sidewalks, and other incidental paving in lieu of limestone, unless otherwise specified or as determined by field personnel or Project Manager. This asphalt will not be tested. It is understood to be only temporary and shall be replaced with permanent asphalt or concrete as required and as specified herein.
- H) All existing concrete paving, roadway, drives, sidewalks, and other incidental concrete paving shall be removed to the nearest joint, unless otherwise specified. All asphalt paving to be removed shall be "saw cut". No "spade" cuts will be allowed. Once street "cuts" and base materials are prepared and suitable for paving the areas shall be restored as required and as specified herein. No excavations are to remain open over a weekend or holiday period.
- I) Traffic control signs and barricades around sidewalks, driveways, and roadway cuts must be checked and maintained during weekend or holiday periods, to insure that they remain in place.
- J) Construction crews are to clean the roadway area on a daily basis. The contractor must use the proper water meters when utilizing water from fire hydrants. These meters may be obtained from the Jefferson Parish Department of Water. Any deposits, meter usage, and water charges levied by the Parish shall be the responsibility of the Contractor.
- K) The Contractor shall coordinate his operations with all Jefferson Parish Public Works Departments, as may be required. In those instances where a lift station has to be shut down in order to effectively perform any work, the Contractor must give a 24-hour notice to the appropriate lift station Superintendent. The Contractor is responsible for having all underground utilities located and marked by the appropriate agencies, at no direct pay. It shall be the sole responsibility of the Contractor to comply with these requirements.

The Contractor is responsible for contacting the Owner's representative if during the course of excavation or other work he encounters any unforeseen circumstances prohibiting his operations to proceed.

- L) Should the Contractor's activities require the complete closure of any roadway, all appropriate Public Works Departments must be notified 24-hours in advance. Should major streets require closure, the Department of Sewerage will require at least ten (10) working days to obtain approved traffic control plans. The Contractor shall be responsible for notifying the Fire Department of any street closures where work is being performed.



- M) No construction material will be stored in roadways overnight.
- N) The Contractor shall adhere to Ordinance 21243 dated March 31, 2001 (Preservation of trees and other vegetation on public property).
- O) Where excavation is required adjacent to existing power poles or other structures, the Contractor has the responsibility to maintain the integrity of the structure by bracing or other means subject to the approval of the Project Manager and the utility owner (no direct payment).
- P) The Contractor shall provide any required temporary erosion control measures throughout the term of the contract in accordance with the latest Louisiana Department of Transportation standard specification Section 204, and all other applicable local, state, and federal standards and regulations at no direct payment.
- Q) Any disturbed or damaged landscaping and mailboxes by the Contractor's operations shall be replaced in-kind at no direct payment.

#### **2.05: Hazardous Locations**

- A) The existing manholes or other confined spaces may be hazardous, in those explosive concentrations of sewage gas and/or deficient oxygen levels may be present. A direct reading combustible gas indicator and oxygen meter will be utilized to establish explosive gas concentrations and oxygen levels prior to entry. Oxygen levels between 19.5% and 21.4%, and Lower Explosive Limit (LEL) levels below 10% will be required for entry without personnel protection equipment. Readings for hydrogen sulfide levels will be obtained prior to entry. Entry without personnel protection equipment will be allowed for hydrogen sulfide concentrations below concentrations of 10 parts per million (ppm). All personnel entry in these areas shall be in strict accordance with OSHA standards for confined space entry, including, but not limited to Code of Federal Regulation 1910.146.
- B) The contractor shall also instruct and prohibit his employees and the employees of his sub-contractors from smoking while in hazardous areas, and/or where hazardous materials are stored. Suitable prominent "No Smoking" signs shall be placed at locations indicated by the Project Manager or Owner.

#### **2.06: Sewerage Spill Preventions & Response Plan**

It shall be the responsibility of the Contractor to schedule and timely perform work to prevent system overflows. If flows are such that they prohibit the Contractor's ability to provide the necessary services, then the Contractor shall be responsible to schedule his work during low flow periods or to request written permission to perform bypass pumping around the site. The Contractor may provide bypass pumping only with specific approval from the Owner. Bypass pumping operations shall be in accordance with the Contract documents and specifications, and must adhere to all applicable local, state & federal requirements.

Prior to the start of construction, the Contractor shall develop and submit to the Project Manager, Parish Environmental Department, and Parish Department of Sewerage, for review and approval, a written Sewage Spill Prevention and Response Plan at his expense. The plan shall include sewage spill response plan, spill containment and cleanup plan, staging area, and sewage bypass and pumping plan. The Sewage Spill Prevention and Response Plan shall be developed to respond to any construction related sewage spill(s). The plan shall include:

- a) Identifying all nearby environmentally-sensitive areas such as waterways, channels, catch basins and entrances to existing underground storm drains.
- b) Making arrangements for an emergency response unit, stationed at or near the Site, comprised of emergency response equipment and trained personnel to be immediately dispatched in the event of a sewage spill(s).
- c) Developing an emergency notification procedure that includes an emergency response team with telephone numbers and arrangements for backup personnel and equipment. The emergency response unit shall be able to dispatch to the site 24 hours a day, 7 days a week including weekends and holidays. The Contractor shall designate primary and secondary representatives, their respective phone numbers, pager numbers, and mobile phone numbers. These Contractor's representatives shall be accessible and available at all times to respond immediately to any sewer spill event.
- d) Identifying any property owners who may be affected.

The Contractor will be provided with a list of the Parish representatives to contact in case of sewage spill(s). In case of a sewage spill(s), the Contractor shall immediately call the Parish and shall act immediately without instructions from the Parish, to control the spill and take all appropriate steps to contain it in accordance with the Sewage Spill Prevention and Response Plan and Sewage Bypass and Pumping Plan. The Contractor shall immediately notify the Parish representatives of the spill and shall report Project name, location, and Contractor name.

The Contractor shall, within 3 Working Days from the occurrence of the spill, submit to the Project Manager, Parish Environmental Department, and Department of Sewerage a written report describing the following information related to the spill: the location; the nature and estimated volume; the date and time; the duration; the cause; the type of remedial and/or clean up measures taken (including erosion control measures) and the date and time of implementation; the corrective and/or preventive actions taken to avoid further spills; equipment used in spill response; and the environmentally-sensitive habitat such as a water body, if any, impacted and results of any necessary monitoring. The Contractor shall provide a list of who from the Parish was notified, date and time of notification, date and time the Contractor was notified of the spill, date and time the Contractor arrived on site.

The Owner and Project Manager may institute further corrective actions, as deemed necessary, to fully comply with existing laws, ordinances, codes, orders, or other pertinent regulations. In addition to any penalties provided by federal, state, and local laws, the Contractor shall be responsible for all costs incurred for the corrective actions including mitigation measures (habitat restoration, etc.) and obtaining after



the-fact permits if necessary, in environmentally sensitive areas.

It shall be the Contractor's responsibility to assure that all field forces, including Subcontractors, know and obey all safety and emergency procedures, including the Sewage Spill Prevention and Response Plan applicable to the work, to be maintained and followed at the Site. If in an environmentally sensitive area, such as waterways, channels, or bayous, impacts shall be minimized.

The Contractor shall take extreme care to prevent spills when working on sewer lines and structures. The Contractor shall not trap debris and discharge rock or debris downstream. Avoidance of streams is paramount unless authorized via permits.

The Contractor shall defend, indemnify, protect, and hold harmless the Parish, its agents, officers, and employees, from and against all claims asserted, or liability established for damages or injuries to any person or property resulting from any sewage spill caused or claimed to be caused by the Contractor's action or failure to take measures to prevent a spill. The Contractor shall be responsible for payment of any fines assessed against the Parish for such sewage spills. The Contractor's duty to indemnify and hold harmless shall not include any claims or liability arising from the established active or sole negligence or willful misconduct of the Parish, its agents, officers, or employees.

All work and associated costs, including fines, associated with development and execution of a Sewerage Spill Preventions & Response Plan will be the responsibility of the Contract.

**SECTION 01025  
MEASUREMENT AND PAYMENT**

**Part 1 - General**

Payment for the various items of the Bid Schedule, as further specified herein, shall include all compensation to be received by the Contractor for furnishing all tools, equipment, supplies, and manufactured articles, and for all labor, operations, and incidentals pertinent to the items of work being described, as necessary to complete the various items of work, all in accordance with the requirements of the Contract Documents, including all appurtenances thereto, and including all costs of compliance with the regulations of public agencies having jurisdiction. The Contractor is hereby informed that no separate payment will be made for any item that is not specifically set forth in the Bid Schedule. Therefore, all costs shall be included in the prices quoted in the Bid Schedule for the various items of work.

All estimated quantities stipulated in the Bid Form or other Contract Documents are approximate and are to be used only:

- (a) As a basis for estimating the probable cost of the work, and
- (b) For the purpose of comparing the bids submitted for the Work. The actual amounts of work performed and materials furnished under unit price items may differ from the estimated quantities. The basis of payment for work and materials will be the actual amount of work performed and materials furnished.

All costs associated with Mobilization, Construction Layout, Temporary Erosion Control Measures, and other items without a specific pay item costs shall be considered incidental to the work and included in the overall project cost. All work, materials, equipment, and other incidentals associated with such as items shall conform with the latest Jefferson Parish and Louisiana Department of Transportation & Development standard specifications and details, and any other applicable local, state, and federal guidelines and regulations.

**Part 2 - Measurement and Payment**

Item 1: Resetting Existing Manhole Rings & Covers

A. MEASUREMENT:

The measurement for Resetting Existing Manhole Rings & Covers will be per each location.

B. PAYMENT:

The actual quantity of Resetting Existing Manhole Rings & Covers will be paid at the unit bid price. Payment shall include cleaning & resetting existing manhole cover & frame/ring, grouting/sealing and any other material, labor, equipment, and incidentals necessary to complete this item.

Item 2: Furnish & Install New Manhole Rings & Covers

A. MEASUREMENT:

The measurement to Furnish & Install New Manhole Rings & Covers will be made per each location.

**B. PAYMENT:**

The actual quantity to Furnish & Install New Manhole Rings & Covers will be paid at the unit bid price. Payment shall include new manhole cover & frame/ring, grouting/sealing and any other material, labor, equipment, and incidentals necessary to complete this item. If roadway removal and replacement are required, they will be paid under separate items.

Item 3: Adjusting Manholes

**A. MEASUREMENT:**

The measurement for Adjusting Manholes will be made per each adjustment basis based on an elevation adjustment up to one (1') foot in either direction.

**B. PAYMENT:**

The actual number of manholes adjustments will be paid at the unit bid price. Payment will constitute full compensation for furnishing all labor, equipment, and materials, and other incidentals necessary to locate, excavate, and adjust the manhole to proper grade, including the resetting the existing cover & frame utilizing riser rings, brick/mortar, and/or grout to the desired elevation. This adjustment may be either an increase or decrease in the existing manhole casting elevation and will not exceed one (1) foot in either direction. If roadway removal and replacement are required, they will be paid under separate items.

Items 4-9: Furnish and Install Sewer Manholes

**A. MEASUREMENT:**

The measurement to Furnish and Install Sewer Manholes, including rebuilding existing manhole structures in entirety, will be made by the vertical foot, or portion thereof, based on manhole type, measured from the invert of the deepest line to the top of casting, for 4-foot-wide or 6-foot-wide manholes.

**B. PAYMENT:**

The actual quantity of manholes constructed will be paid at the unit bid price. Payment for the required size and depth of manhole shall include all testing, labor, equipment, materials, and incidentals, including, but not limited to, temporary sheeting & bracing, excavation, backfill, top slabs, foundation, reinforcement, bedding, brick/mortar, joints, gaskets, boots, filter cloth wrap, drop pipe, bench/trough, castings, risers and cones, grout, and finishing, etc. necessary to complete a new or completely rebuilt manhole installation as specified. If roadway removal and replacement are required, they will be paid under separate items.

Item 10: Repair Manhole Line Connection

**A. MEASUREMENT:**

The measurement to Repair Manhole Line Connection will be made per each line connection made/repared.

**B. PAYMENT:**

The actual number of Repair Manhole Line Connection will be paid at the unit bid price. Payment will constitute full compensation for furnishing all testing, wrapping, sealing with grout, and any other material, labor, equipment, and incidentals necessary for each manhole line connection made/repared.

Item 11: Remove & Replace Precast Concrete Manhole Wall/Cone

**A. MEASUREMENT:**

The measurement to Remove & Replace Precast Concrete Manhole Wall/Cone will be made per vertical foot, or portion thereof, per the applicable pay item.

**B. PAYMENT:**

The actual quantity to remove & replace precast concrete manhole walls/cones will be paid at the unit bid price. Payment shall include all testing, labor, equipment, materials, including, but not limited to, temporary sheeting & bracing, excavation, backfill, reinforcement, filter cloth, gaskets, boots, reinforcement, resetting existing manhole castings, grout, etc. and other incidentals to complete the manhole wall/cone installation. Precast manhole chimney restoration work will be paid per vertical foot under the Remove & Replace Manhole Wall (Brick) pay item. If roadway removal and replacement are required, they will be paid under separate items. If required, work associated to repair manhole line connections, rehabilitation of manhole bench/troughs, furnishing & installing new manhole rings & covers, and manholes adjustments will be paid under the respective pay item unit bid prices.

Item 12: Remove & Replace Manhole Wall (Brick)

**A. MEASUREMENT:**

The measurement to Remove & Replace Manhole Wall (Brick) will be made per vertical foot, or portion thereof.

**B. PAYMENT:**

The actual quantity to remove & replace brick manhole walls will be paid at the unit bid price. Payment shall include all labor, equipment, and materials including, but not limited to, temporary sheeting & bracing, excavation, backfill, filter cloth, resetting existing manhole castings, brick, mortar, grout, finishing, etc., and other incidentals to complete the manhole wall installation. If roadway removal and replacement are required, they will be paid under separate items. If required, work associated to repair manhole line connections, rehabilitation of manhole bench/troughs, furnishing & installing new manhole rings & covers, and manholes adjustments will be paid under the respective pay item unit bid prices.

Item 13: Rehabilitate/Rebuild Manhole Bench/Trough

**A. MEASUREMENT:**

The measurement to Rehabilitate/Rebuild Manhole Bench/Trough will be made per each location as specified by Work Order and/or as directed by the Project Manager.

**B. PAYMENT:**

The actual quantity to rehabilitate/rebuild the bench and invert of an existing manhole will be paid at the unit bid price. Payment shall include all labor, equipment, materials, tools, and other incidentals necessary to completely rebuild a bench and invert within an existing sanitary sewer manhole. The unit bid price shall also include all cleaning and preparatory work, protection of existing equipment and piping, and confined space entry.

Item 14: Manhole Inserts

**A. MEASUREMENT:**

The measurement for Manhole Inserts will be made per each location as specified by Work Order and/or as directed by the Project Manager.

**B. PAYMENT:**

The actual quantity to install a manhole insert will be paid at the unit bid price. Payment shall include obtaining field measures, cleaning manhole frame, and all the other labor, equipment, material, and other incidentals necessary to complete this item.

Item 15: Install Force Main Discharge Tee/Turndown

**A. MEASUREMENT:**

The measurement to Install Force Main Discharge Tee/Turndown will be made per each location as specified by Work Order and/or as directed by the Project Manager.

**B. PAYMENT:**

The actual quantity to install a force main discharge tee/turndown will be paid at the unit bid price. Payment shall labor, equipment, materials, including, but not limited to, piping, fittings, joints, tees, caps, bends, anchors, boots, sealants, etc., and other incidentals necessary to complete this item.

Item 16: Chemical Grout to Fill Voids and Stop Leaks in Structures

**A. MEASUREMENT:**

The MEASUREMENT for Chemical Grout to Fill Voids and Stop Leaks in Structures will be by the gallon injected into void or leak, measured by metering the amount of chemical grout pumped for injection. It is intended that chemical grout work will typically be performed in conjunction with full depth liner systems.

**B. PAYMENT:**

The actual quantity of gallons injected, will be paid for at the unit bid price. This price and payment will constitute full compensation for furnishing all labor, equipment, material, and incidentals necessary to complete this item of work.

Item 17: Sewer Manhole Rehabilitation by Cementitious Lining

A. MEASUREMENT:

The measurement for rehabilitation of sewer manholes by cementitious lining will be per square foot. Refer to Section 02657 for minimum lining thickness.

B. PAYMENT:

Payment for rehabilitated manholes will be paid for at the unit bid price. Payment shall include all materials, labor, grout, equipment, and related work items to rehabilitate a manhole. Locating (up to 1 hour), uncovering (if less than 1 foot deep), and cleaning the manholes; pre-&post photographic documentation; plugging or blocking incoming pipes; patching or plugging leaking joints and voids; hydraulic plug where needed; surface preparation; application & finishing of mortar lining; curing; testing and inspection; cleanup; and other incidentals. Photographic documentation must be submitted prior to requesting payment.

Item 18: Sewer Manhole Rehabilitation by Spray On Epoxy Lining

A. MEASUREMENT:

The measurement for rehabilitation of sewer manholes by spray on epoxy lining will be per square foot. Refer to Section 02657 for minimum lining thickness if standalone and if used with a cementitious underlayment.

B. PAYMENT:

Payment for rehabilitated manholes will be for at the unit bid price. Payment shall include all materials, labor, grout, equipment, and related work items to rehabilitate a manhole. Locating (up to 1 hour), uncovering (if less than 1 foot deep), and cleaning the manholes; pre- & post photographic documentation; plugging or blocking incoming pipes; patching or plugging leaking joints and voids; hydraulic plug where needed; surface preparation; installation of liner; curing; testing and inspection; cleanup; and all other incidentals. Photographic documentation must be submitted prior to requesting monthly payment.

Item 19: Sewer Manhole Rehabilitation by Multi-Layered Composite Liner System

A. MEASUREMENT:

The measurement for rehabilitation of sewer manholes by panel liner system will be per square foot. Refer to Section 02657 for minimum lining thickness.

B. PAYMENT:

Payment for rehabilitated manholes will be paid for at the unit bid price. Payment shall include all materials, labor, equipment, and related work items to rehabilitate a manhole. Locating (up to 1 hour), uncovering (if less than 1 foot deep), and cleaning the manholes; pre-&post photographic documentation; plugging or blocking incoming pipes; patching or plugging leaking joints and voids; hydraulic plug where needed; surface preparation; preparation of forms and benches;



installation of anchoring; application of prime coat, moisture barrier, surfacer/rigid system, & final corrosion barrier; curing; testing and inspection; cleanup; and other incidentals. Photographic documentation must be submitted prior to requesting payment.

Item 20: Sewer Manhole Rehabilitation by Hybrid Epoxy Liner

A. MEASUREMENT:

The measurement for rehabilitation of sewer manholes by hybrid epoxy mortar liner will be per square foot. Refer to Section 02657 for minimum lining thickness.

B. PAYMENT:

Payment for rehabilitated manholes will be for at the unit bid price. Payment shall include all materials, labor, grout, equipment, and related work items to rehabilitate a manhole. Locating (up to 1 hour), uncovering (if less than 1 foot deep), and cleaning the manholes; pre- & post photographic documentation; plugging or blocking incoming pipes; patching or plugging leaking joints and voids; hydraulic plug where needed; surface preparation; installation of liner; curing; testing and inspection; cleanup; and all other incidentals. Photographic documentation must be submitted prior to requesting monthly payment.

Item 21: Removal and Replacement of Portland Cement Concrete Roadway (High-Early Strength)

A. MEASUREMENT:

The measurement for Removal and Replacement of Portland Cement Concrete Roadway (high-early strength) will be made per square yard per one (1") inch thick increments.

B. PAYMENT:

The actual quantity of applicable roadway removed and replaced will be paid at the unit bid price. Payment will constitute full compensation for furnishing all testing, labor, equipment, materials, including, but not limited to, removal of pavement, bedding, base, forms, reinforcement, structure box-outs, joints, dowels, wire mesh (if required), engineering fabrics, replacement of pavement markings and striping, cleaning, disposal of removed & excess material, etc., and any other incidentals necessary to complete the applicable item of work in accordance with the Jefferson Parish Standard Details and specifications, or as otherwise specified.

Concrete pavement will be paid for in one (1") inch thick increments, with a minimum thickness of 7 inches, i.e.:

7 inches = 7 x unit bid price

9 inches = 9 x unit bid price

NOTE: There will be no direct payment for the removal of curb which is attached to and removed with the roadway surface.

Item 22: Removal of Asphaltic Concrete Pavement (Full Depth) & Placement of Pavement Patching (12" Min. Thickness)

A. MEASUREMENT:

The measurement for Removal and Replacement of Asphaltic Concrete Pavement, and Placement of Pavement Patching (12" Min. Thickness) will be made per square yard based on thickness.

B. PAYMENT:

The actual quantity of asphaltic pavement removed and/or replaced with asphalt concrete pavement patching will be paid at the applicable unit bid price. Payment will constitute full compensation for furnishing all testing, labor, equipment, materials, including, but not limited to, saw-cutting, removal of pavement & subsurface materials, bedding, base, engineering fabrics, application of prime & tack coats, structure box-outs, replacement of pavement markings and striping, cleaning, disposal of removed & excess material, and any other incidentals necessary to complete the applicable item of work in accordance with the Jefferson Parish Standard Details and specifications, or as otherwise specified.

Item 23: Placement and Removal of Mainline Traffic Maintenance Surfacing (Hard) (6" Min. Thick Asphalt)

A. MEASUREMENT:

The measurement for Placement and Removal of Mainline Traffic Maintenance Surfacing (Hard) (6" Min. Thick Asphalt) will be made per square yard.

B. PAYMENT:

The actual quantity of the mainline traffic maintenance (hard) surfacing removed and/or replaced will be paid at the applicable unit bid price. Payment will constitute full compensation for furnishing all testing, labor, equipment, materials, including, but not limited to, bedding; base, engineering fabrics, application of prime & tack coats, structure box-outs, replacement of pavement markings and striping, cleaning, saw-cutting, removal of surfacing, excavation of subsurface materials, disposal of removed & excess material, and any other incidentals necessary to complete the applicable item of work in accordance with the Jefferson Parish Standard Details and specifications, or as otherwise specified.

Item 24: Placement and Removal of Non-Mainline Traffic Maintenance Surfacing (Aggregate)

A. MEASUREMENT:

The measurement for Placement and Removal of Non-Mainline Traffic Maintenance Surfacing (Aggregate) will be made per cubic yard (vehicular measurement).

B. PAYMENT:

The actual quantity of the non-mainline traffic maintenance (aggregate) surfacing removed and/or replaced will be paid at the applicable unit bid price. Payment will constitute full compensation for furnishing all testing, labor, equipment, materials, including, but not limited to, bedding, base, engineering fabrics, removal of surfacing, excavation of subsurface materials, disposal of removed & excess material, and any other incidentals necessary to complete the applicable item of work.

Item 25: Milling Asphalt Pavement (2" thick)

A. MEASUREMENT:

The measurement for Milling Asphalt Pavement (2" Thick) will be made per square yard.



B. PAYMENT:

The actual quantity of the milling asphalt pavement will be paid at the applicable unit bid price. Payment will constitute full compensation for furnishing all labor, equipment, and other incidental costs to perform the work including, but not limited to removal, hauling, and disposal of asphalt material.

Item 26: Asphaltic Concrete (Wearing Course) (2" Thick)

A. MEASUREMENT:

The measurement for Asphaltic Concrete (Wearing Course) (2" Thick) will be made per square yard.

B. PAYMENT:

The actual quantity of the asphaltic concrete pavement will be paid at the applicable unit bid price. Payment will constitute full compensation for furnishing all testing, labor, equipment, materials, including, but not limited to, application of tack coats, structure box-outs, replacement of pavement markings and striping, cleaning, and any other incidentals necessary to complete the applicable item of work.

Items 27-30: Removal and Replacement of Combination Concrete Curb and Gutter and Replacement of Concrete Curb

A. MEASUREMENT:

The measurement for Removal and Replacement of Concrete Curb and Gutter and Replacement of Concrete Curb will be made per linear foot, along the face of the curb.

B. PAYMENT:

The actual quantity of concrete curb, gutter, and concrete curb removed and/or replaced will be paid at the applicable unit bid price. Payment will constitute full compensation for furnishing all testing, labor, equipment, materials, including, but not limited to, excavation, backfill, forms, joints, dowels, cleaning, disposal of removed & excess material, and any other incidentals necessary to complete the applicable item of work in accordance with the Jefferson Parish Standard Details and specifications, or as otherwise specified.

Items 31-36: Removal and Replacement of Driveways

A. MEASUREMENT:

The measurement for Removal and Replacement of Driveways will be made per square yard.

B. PAYMENT:

The actual quantity of driveway removed and replaced will be paid at the applicable unit bid price. Payment will constitute full compensation for furnishing all labor, equipment, materials, including, but not limited to, excavation, backfill, forms, surface material (concrete, wash gravel, brick, stone, etc.), joints, dowels, wire mesh (if existing), saw-cutting, cleaning, disposal of removed & excess material, and any other incidentals necessary to complete the applicable item of work in accordance with the Jefferson Parish Standard Details and specifications, or as otherwise specified.

Items 37-41: Removal and Replacement of Sidewalks

A. MEASUREMENT:

The measurement for Removal and Replacement of Sidewalks will be made per square yard.

B. PAYMENT:

The actual quantity of sidewalk removed and replaced will be paid at the applicable unit bid price. Payment will constitute full compensation for furnishing all labor, equipment, and materials, including, but not limited to, excavation, backfill, forms, surface material (concrete, wash gravel, brick, stone, etc.), joints, dowels, wire mesh (if existing), saw-cutting, cleaning, disposal of removed & excess material, and any other incidentals necessary to complete the applicable item of work in accordance with the Jefferson Parish Standard Details and specifications, or as otherwise specified.

Item 42: Installation of Handicap Access Ramp at Curb/Street Transition

A. MEASUREMENT:

The measurement for the Installation of Handicap Access Ramp at Curb/Street Transition will be made per square yard of surface area formed and/or tooled, within the limits of ramp and curb transitions.

B. PAYMENT:

The actual surface area of sidewalk/curb formed and tooled to meet all applicable regulatory requirements will be paid at the unit bid price. The bid price shall include all labor and any materials or special tools/forms to complete the work in accordance with all regulatory requirements. NOTE: This bid item is intended to compensate for the extra labor involved in forming access ramps. This item does not include the cost for concrete replacement (for sidewalk and curb). Those items will be paid for under the respective applicable bid items.

Item 43: Removal and Replacement of Incidental Concrete Paving

A. MEASUREMENT:

The measurement for Removal and Replacement of Incidental Concrete Paving will be made per square yard.

B. PAYMENT:

The actual quantity of incidental concrete paving removed and replaced will be paid at the applicable unit bid price. Payment will constitute full compensation for furnishing all labor, equipment, materials, including, but not limited to, excavation, backfill, forms, joints, dowels, wire mesh (if existing), saw-cutting, cleaning, disposal of removed & excess material, and any other incidentals necessary to complete the applicable item of work as specified.

Item 44: Additional Sheeting, Bracing, and Foundation Lumber (As Directed)

A. MEASUREMENT:

The measurement for payment for Additional Sheeting, Bracing, and Foundation Lumber, where not covered by contract requirements, and when directed by the Project Manager will be made per 1000-foot board measure (MFBM) or portion thereof. Measurement will be to the nearest 0.25 MFBM.

**B. PAYMENT:**

Where specific site conditions dictate, and at the discretion and direction of the Project Manager, the use of additional sheeting, bracing, and foundation lumber, above that required by the contract requirements, will be supplied and placed as directed. All sheeting, bracing, and foundation lumber supplied and placed shall be left in place, unless otherwise directed. The actual quantity of additional lumber supplied and placed will be paid at the unit bid price. Payment will constitute full compensation for furnishing all labor, equipment, materials, and other incidentals to perform the work. If directed to remove the additional sheeting, bracing, and/or foundation lumber, the cost for removal and disposal will be at no direct cost.

Item 45: Additional Granular Material

**A. MEASUREMENT:**

The measurement for Additional Granular Material will be made per ton.

**B. PAYMENT:**

Where specific site conditions dictate, and at the discretion and direction of the Project Manager, the use of additional granular material (pumped river sand), above that specifically required by the Contract, when directed, will be supplied and placed. The additional granular material shall be placed in lifts and compacted in accordance with the Parish Details and specifications, or as otherwise specified. The actual quantity of additional granular material supplied and placed, when directed, will be paid at the unit bid price. Payment will constitute full compensation for furnishing all labor, equipment, materials, and other incidentals to perform the work.

Item 46: Additional Limestone

**A. MEASUREMENT:**

The measurement for Additional Limestone will be made per ton.

**B. PAYMENT:**

Where specific site conditions dictate, and at the discretion and direction of the Project Manager, the use of additional limestone above that specifically required by the Contract, when directed will be supplied and placed. The additional limestone shall be placed in lifts and compacted in accordance with the Parish Details and specifications, or as otherwise specified. The actual quantity of additional limestone supplied and placed, when directed, will be paid at the unit bid price. Payment will constitute full compensation for furnishing all labor, equipment, materials, and other incidentals to perform the work.

Item 47: Slab Sodding

**A. MEASUREMENT:**

The measurement for Slab Sodding will be made per square yard of finished surface, after all conditions of the specifications have been met.

**B. PAYMENT:**

The actual quantity of slab sodding satisfactorily placed will be paid at the unit bid price. Payment will constitute full compensation for furnishing all labor, equipment, materials, including, but no limited to, topsoil, fertilizer, water, etc., and other incidentals necessary to perform the work. It is the Contractor's responsibility to continue to water and maintain the slab sodding until the completion of the project.

## Items 48-67: Set-up and Operation of ByPass Pumping

### A. MEASUREMENT:

Separate measurement will be made per the bypass pumping set-up and operation of bypass pumping made per applicable pump size bid items. These items are in addition to the minimum required bypass pumping of other bid items and will only be allowed upon prior approval of the Project Manager and/or Director of the Department of Sewerage. Each bypass pumping set-up will be measured separately and made per each bypass pumping set-up and subsequent removal; and shall include all level controls; installation of up to 100 feet of discharge force main, up to 60 feet of suction piping; and a full tank of fuel. Bypass pumping for 4" bypass pumps & under will not be measured for payment.

If additional bypass pumping discharge force main is required to reach the designated discharge point, this additional bypass pumping discharge force main will be measured by the linear foot and be paid at the appropriate "Extension of Force Main" unit bid item for the pump size.

Operation of bypass pumping will be measured for the operation of each size of bypass pump bid, and will be paid in accordance with the following schedule:

1 Day (DY) = 24 hours

1 Week (WK) = 3 days through 7 days

1 Month (MO) = 21 days through 31 days

### B. PAYMENT:

Payment for set-up of the bypass pumping will be paid at the unit bid price per each based on the pump size required. This item will only be used for bypass pumping beyond the minimum requirements of other bid items. Payment for the operation of each size bypass pump shall be paid at the daily, weekly, or monthly unit bid prices. Payment for operation of bypass pumping will constitute full payment for the day-to-day operation of each pump, including fueling and daily checks on operation. Payment for the extension of discharge force main beyond the minimum required length to be provided will be paid per linear foot.

## Items 68-69: Traffic Control

A. Measurement for payment of Traffic Control will be measured for payment as stipulated herein.

C. Payment for all costs associated with the development and implementation of site-specific traffic control device plans, traffic control device set-up & removal, including cones, signs, & other necessary devices, etc., and traffic control device operation & maintenance are considered incidental to the other work and provided at no additional cost to the Owner. In high traffic volume areas & other instances the assessment work cannot be safely performed, flagman or law enforcement services can be utilized as needed upon approval by the Owner. When flagman or law enforcement services are utilized the Contractor shall be compensated on an hourly basis.

Items 70: Excavating & Uncovering Buried Manholes (Deeper than 1 Foot)

- A. Measurement for payment of Excavating & Uncovering Buried Manholes (Deeper than 1 Foot) will be measured for payment per each.
- B. The actual quantity of excavating & uncovering buried manholes (deeper than 1 foot) will be paid at the unit bid price. Payment will constitute full compensation for furnishing all labor, equipment, materials, and other incidentals necessary to perform the work. For manholes less than 1 foot deep all costs associated with excavation & uncovering a manholes shall be included in the respective bid item.

**SECTION 01060  
REGULATORY REQUIREMENTS**

**Part 1 - General**

**1.01**

The Contractor shall be responsible for obtaining any necessary licenses and permits, and/or complying with any applicable Federal, State, and Municipal laws, codes, and regulations, in connection with the completion of the work, as well as applicable fees, without additional expense to the Owner. This shall include any fees for locating underground utilities by either the utility company or any other service. All work performed under this contract shall be in accordance with the appropriate section of the LOUISIANA STANDARD SPECIFICATIONS FOR ROADS AND BRIDGES (2016 Edition and its latest revision), as well as all Jefferson Parish Department of Engineering directives and guidelines.

The Contractor shall take proper safety and health precautions to protect the work, workers, the Public, and the Property of others. The Contractor will be responsible for all materials delivered. The Owner will not provide any temporary storage facility or staging area for materials and/or equipment. All coordination and permissions to store equipment and/or materials must be made by the Contractor.

**Part 2 - Measurement and Payment**

Compliance with regulatory requirements is considered incidental to the work. No separate measurement and payment will be made.

**SECTION 01152  
REQUEST FOR PAYMENT**

**Part 1 - General**

**1.01: Requirements Included**

Submit applications for payment to the Project Manager and Department of Sewerage, in accordance with the schedule established by Conditions of the Contract.

**1.02: Format and Data Required**

- A. Submit payment requests in the form required by the Owner, with itemized data typed on 8-1/2" x 11" white paper sheets.
- B. Provide itemized data on continuation sheet. In spreadsheet form indicate bid items as shown on bid form, quantity billed for currently, total quantity used to date, and current cost, as well as cost to date.
- C. Provide summary of Bid Items by Work Order or job number.

**1.03: Substantiating Data for Progress Payments**

- A. All payment requests must be accompanied by a completed Jefferson Parish Certificate of Payment Form and must include a signed affidavit regarding previous payment received, a short progress narrative describing work performed since previous payment submittal.
- B. When the Project Manager and/or Department of Sewerage requires additional substantiating data, the Contractor shall submit suitable information, with a cover letter.
- C. Submit two (2) copies of all data required with a cover letter for each monthly pay request. Any additional substantiating data requested shall also be submitted as required in Part B above.

**1.04: Preparation of Application for Retainage Payment**

- A. Upon completion of the project, a Final Acceptance Resolution will be brought before the Jefferson Parish Council.
- B. The Contractor will then file the Final Acceptance Resolution and apply for a Clear Lien and Privilege Certificate with the Clerk of Court. Upon receiving the Clear Lien and Privilege Certificate, the Contractor can request payment of the retainage withheld during the course of the contract.
- C. Fill in the application form as specified for progress payments.

### **1.05: Preparation of Application for Final Payment**

- A. Fill in the application form as specified for progress payments.
- B. Use continuation sheet for presenting the final statement of accounting.

### **1.06: Submittal Procedure**

- A. Submit applications for payment to the Project Manager and Department of Sewerage at the times stipulated in the Agreement
- B. Number: Original and two (2) copies of each Application and attachments.
- C. When the Project Manager and Department of Sewerage finds the Application properly completed and correct, he will transmit certificate for payment to Owner, with copy of the transmittal letter to Contractor.



**SECTION 01153  
CHANGE ORDER PROCEDURES**

**Part 1 - General**

**1.01: Requirements Included**

- A. Promptly implement change order procedures.
  - 1. Provide full written data required to evaluate changes.
  - 2. Maintain detailed records of work done on a time-and-material/force account basis.
  - 3. Provide full documentation to the Project Manager on request.
  
- B. Designate in writing the member of Contractor's organization.
  - 1. Who is authorized to accept changes in the Work.
  - 2. Who is responsible for informing others in the contractors' employ of the authorization of changes in the Work.
  
- C. Owner will designate in writing the person who is authorized to execute Change Orders.

**1.02: Preliminary Procedures**

- A. Owner or Project Manager may initiate changes by submitting a Proposal Request to Contractor. Request will include:
  - 1. Detailed description of the Change, Products, and location of the change in the Project.
  - 2. Supplementary or revised Drawings and Specifications.
  - 3. The projected time span for making the change, and a specific statement as to whether overtime work is, or is not, authorized.
  - 4. A specific period of time during which the requested price will be considered valid.
  - 5. Such request is for information only, and is not an instruction to execute the changes, nor to stop work in progress.
  
- B. Contractor may initiate changes by submitting a written notice to Project Manager, containing:
  - 1. Description of the proposed changes.
  - 2. Statement of the reason for making the changes.
  - 3. Statement of the effect on the Contract Sum and the Contract Time.
  - 4. Statement of the effect on the work of separate contractors.
  - 5. Documentation supporting any change in Contract Sum or Contract Time, as appropriate.

### **1.03: Documentation of Proposals and Claims**

- A. Support each quotation for a lump-sum proposal, and for each unit price which has not previously been established, with sufficient substantiating data to allow Project Manager to evaluate the quotation.
- B. On request, provide additional data to support time and cost computations:
  - 1. Labor required.
  - 2. Equipment required.
  - 3. Products required.
    - a. Recommended source of purchase and unit cost.
    - b. Quantities required.
  - 4. Taxes, insurances, and bonds.
  - 5. Credit for work deleted from Contract, similarly documented.
  - 6. Overhead and profit.
  - 7. Justification for any change in Contract Time.
- C. Support each claim for additional costs, and for work done on a time-and-material/force account basis, with documentation as required for a lump-sum proposal, plus additional information.
  - 1. Name of the Owner's authorized agent who ordered the work, and date of the order.
  - 2. Dates and times work was performed, and by whom.
  - 3. Time record, summary of hours worked, and hourly rates paid.
  - 4. Receipts and invoices for:
    - a. Equipment used, listing dates and times of use.
    - b. Products used, listing of quantities.
    - c. Subcontracts.

### **1.04: Preparation of Change Orders**

- A. Project Manager will prepare each Change Order.
- B. Form: Owner's Form, to be provided to the Contractor.
- C. Change Order will describe changes in the Work, both additions and deletions, with attachments of revised Contract Documents to define details of the change.
- D. Change Order will provide an accounting of the adjustment in the Contract Sum and in the Contract Time.

### **1.05: Lump Sum/Fixed Price Change Order**

- A. Content of Change Orders will be based on, either:
  - 1. Project Manager's Proposal Request and contractor's responsive Proposal as

- mutually agreed between Owner and Contractor.
2. Contractor's Proposal for a change, as recommended by Project Manager.
- B. Owner and Project Manager will sign and date the Change Order as authorization for the Contractor to proceed with the changes.
- C. Contractor may sign and date the Change Order to indicate agreement with the terms therein.

#### **1.06: Unit Price Change Order**

- A. Content of Change Orders will be based on, either:
1. Project Manager's definition of the scope of the required changes.
  2. Contractor's Proposal for a change, as recommended by Project Managers.
  3. Survey of completed work.
- B. The amounts of the unit prices to be:
1. Those stated in the Agreement.
  2. Those mutually agreed upon between Owner and Contractor.
- C. When quantities of each of the items affected by the Change Order can be determined prior to start of the work:
1. Owner and Project Manager will sign and date the Change Order as authorization for Contractor to proceed with the changes.
  2. Contractor may sign and date the Change Order to indicate agreement with the terms therein.
- D. When quantities of the items cannot be determined prior to start of the work:
1. Project Manager or Owner will issue a construction change authorization directing Contractor to proceed with the change on the basis of unit prices and will cite the applicable unit prices.
  2. At completion of the change, the Project Manager will determine the cost of such work based on the unit prices and quantities used.
    - a. Contractor shall submit documentation to establish the number of units of each item and any claims for a change in Contract Time.
  3. The Project Manager will sign and date the Change Order to establish the change in Contract Sum and in Contract Time.
  4. Owner and contractor will sign and date the change Order to indicate their agreement with the terms therein.

#### **1.07: Correlation with Contractor's Submittals**

- A. Periodically revise Schedule of Values and Application for Payment forms to record each change as a separate item of work, and to record the adjusted unit price items

and Contract Sum.

- B. Periodically revise the Construction Schedule to reflect each change in Contract Time.
  - 1. Revise sub-schedules to show changes for other items of work affected by the changes.

**SECTION 01200  
PROJECT MEETINGS**

**Part 1 – General**

**1.01: Requirements Included**

- A. Project Manager shall schedule and administer kickoff meeting, periodic progress meetings, and specially called meetings throughout the progress of the work. At a minimum, Project Manager shall perform the following duties:
1. Prepare agenda for meetings.
  2. Make physical arrangements for meetings.
  3. Preside at meetings.
  4. Record the minutes; include significant proceedings and decisions.
  5. Reproduce and distribute copies of minutes within three days after each meeting.
    - a. To participants in the meeting.
    - b. To parties affected by decisions made at the meeting.
- B. Representative of contractors, subcontractors, and suppliers attending meetings shall be qualified and authorized to act on behalf of the entity each represents.
- C. The Contractor shall attend and identify at the meetings the actual status of the Contract Work. When the Work is not being performed consistently with the Contract Documents and construction schedules, the Contractor shall identify at the meetings the steps being taken to resolve the inconsistency.

**1.02: Related Requirements**

N/A

**1.03: Kickoff Meeting**

- A. The Contractor shall participate in a kickoff meeting to be held after the effective date of the Agreement and prior to the date of Notice to Proceed.
- B. Location: A central site, convenient for all parties, designated by the Engineer.
- C. Attendance:
1. Owner's Representative and other staff as appropriate.
  2. Project Manager and his professional consultants as appropriate.
  3. Resident Project Representative.
  4. Contractor's Representative and Superintendent.
  5. Subcontractors as appropriate.
  6. Major suppliers as appropriate.
  7. Others as appropriate.
- D. The following matters are expected to be addressed:

1. Distribution and discussion of:
  - a. List of major subcontractors, installers, and suppliers.
  - b. Projected Schedules.
  - c. Values for progress payment purposes.
2. Critical work sequencing.
3. Major equipment and material deliveries and priorities.
4. Project Coordination:
  - a. Designation of responsible personnel.
5. Procedures and processing of:
  - a. Field decisions.
  - b. Proposal requests.
  - c. Submittals.
  - d. Change Orders.
  - e. Applications for Payment.
6. Adequacy of distribution of Contract Documents.
7. Procedures for maintaining Record Documents.
8. Use of premises:
  - a. Work and storage areas.
  - b. Owner's requirements.
9. Facilities, controls, and project aids.
10. Temporary utilities.
11. Security procedures.
12. Housekeeping procedures.
13. Insurance certificates.
14. Liquidated damages for delay.
15. Notice to Proceed and Final Completion Date.

#### **1.04: Progress Meetings**

- A. Progress meetings will be held monthly with the first meeting 30 days or less after the date of Notice to Proceed.
- B. Special progress meetings will be held as required by progress of the Work.
- C. Location of the meetings: As designated by the Engineer.
- D. Attendance:
  1. Owner Representative and other staff as appropriate.
  2. Engineer, and his professional consultants, as appropriate.
  3. Contractor.
  4. Subcontractors, as appropriate.
  5. Suppliers, as appropriate.
  6. Others.
- E. The following matters are expected to be addressed:
  1. Review, approval of minutes of previous meeting.
  2. Review of work progress.

3. Field observations, problems, conflicts.
4. Problems which impede Schedule.
5. Review of off-site fabrication and delivery schedules.
6. Corrective measures and procedures to regain projected schedule.
7. Revisions to Schedule.
8. Progress, schedule, during succeeding work period.
9. Coordination of schedules.
10. Review submittal schedules; expedite as required.
11. Maintenance of quality standards.
12. Pending changes and substitutions.
13. Review proposed changes for:
  - a. Effect on schedule and on completion date.
  - b. Effect on other contracts of the project.
14. Other business.

**SECTION 01340**  
**SHOP DRAWINGS, PRODUCT DATA & SAMPLES**

**Part 1 - General**

**1.01: Description of Requirements**

- A. Type of Submittals. This Section of the Specification describes the procedures for submittal requirements applicable to work-related Submittals, such as shop drawings, product data, samples, and miscellaneous work-related Submittals. It does not include the requirements for administrative Submittals that are described in other sections.
- B. Individual Section Requirements. The individual submittals required are specified in other Sections of the Specifications for each unit of work.
- C. Definitions. The work-related Submittals of this Section, in addition to the definitions of the General Conditions and elsewhere in the Contract Documents, are further categorized for convenience, as follows:
1. Shop drawings include specially prepared technical data of all forms, including drawings, diagrams, performance curves, data sheets, schedules, templates, patterns, reports, calculations, instructions, measurements, and similar information not in standard printed form for application to more than one project.
  2. Product data includes standard printed information on materials, products, and systems, not specially prepared for this project, other than the designation of selections from among available choices printed therein.
  3. Samples include both fabricated and un-fabricated physical examples of materials, products, and units of work, both as complete units, and as smaller portions of units of work, either for limited visual inspection or (where indicated) for more detailed testing and analysis.
  4. Miscellaneous Submittal related directly to the work (non-administrative) include warranties, maintenance agreements, workmanship bonds, project photographs, survey data and reports, physical work records, statements of applicability, quality testing and certifying reports, copies of industry standards record drawings, field measurement data, operating and maintenance material, overrun stock, security, protection, safety keys and similar information, devices and materials applicable to the work, and not processed as shop drawings, and product data or samples. In addition to the above requirements, the Contractor shall submit in writing to the Engineer his proposed excavation plan prior to beginning any excavation operations.

**1.02: General Submittal Requirements**

- A. Scheduling. Where appropriate, in various required administrative Submittals (listings of products, manufacturers, suppliers and subcontractors, and in job progress



schedule), show principal work-related submittal requirements and time schedules, for coordination and integration of submittal activity with related work in each instance.

- B. Coordination of Submittal Times. Prepare and transmit each submittal to the Engineer sufficiently in advance of performing related work or other applicable activities, so the installation will not be delayed or improperly sequenced by processing times, including non-approval and re-submittal (if required). Coordinate with other Submittals, testing, purchasing, delivery, and similarly sequenced activities. No extension of time will be authorized because of Contractor's failure to resubmit Submittals to the Engineer sufficiently in advance of the work.
- C. Sequencing Requirements. As applicable in each instance, Contractor shall not proceed with a unit of work until submittal procedures have been sequenced with related units of work, in a manner which will ensure that the action will not need to be later notified or rescinded by reason of a subsequent submittal, which should have been processed earlier, or concurrently for coordination.
- D. Preparation of Submittals. Provide permanent marking on each submittal to identify project, date, Contractor, Subcontractor, submittal name, and similar information to distinguish it from other Submittals. Show Contractor's executed review and approval marking, and provide space for the engineer's "Action" marking. Package each submittal appropriately for transmittal and handling. Submittals which are received from sources other than through the Contractor's office will be returned "without action".
- E. Transmittal Form. The attached transmittal form shall be used to transmit Submittals. Submittals received without this submittal form will be returned to the Contractor without action.
- F. Transmittal Identification.
  - 1. Transmittals shall be numbered in sequence for each Division of the Specification. The number after the dash indicates the Section of the Specifications, and the number before the dash is the sequence number of the transmittal (1-3 would be the first transmittal applicable to Section 3 of the Specifications. 2-3 would be the second transmittal for Section 3, etc.)
  - 2. Re-submittals shall be identified with a letter of the alphabet following the original number, using A for the first re-submittal, B for the second re-submittal, etc. A re-submittal affecting transmittal 1-3 would then be numbered 1A-3. The number 1-3 would then be entered in the space "Previous Transmittal Number", which is left blank (except on re-submittals).

### **1.03: Specific Category Requirements**

- A. General. Except as otherwise indicated in the individual work sections, Contractor shall comply with general requirements specified herein for each indicated category of submittal. Submittals shall contain the following:

1. The date of submittal and the dates of any previous submittal.
  2. The Project title and number.
  3. Contract identification
  4. The names of the:
    - a. Contractor
    - b. Supplier
    - c. Manufacturer
  5. Identification of the product, with the Specification Section number and equipment tag numbers.
  6. Field dimensions, clearly identified as such.
  7. Relation to adjacent or critical features of the work or materials
  8. Applicable standards, such as ASTM or Federal Specification numbers
  9. Notification to the Engineer in writing, at time of submission, of any deviations in the Submittals from requirements of the Contract Documents.
  10. Identification of revisions on re-submittals.
  11. An 8 inch x 3 inch blank space for Contractor and Engineer stamps
  12. Contractor's stamp, initialed or signed, certifying the review of submittal, verification of products, field measurements and construction criteria, and coordination of the information within the submittal with requirements of the work and of Contract Documents. Engineer's review will not proceed unless Contractor stamp is on drawings.
  13. Submittal sheets or drawings showing more than the particular item under consideration shall have all but the pertinent description of the item for which review is requested crossed out.
- B. Shop Drawings. Provide newly-prepared information, on reproducible sheets, with graphic information at accurate scale (except as otherwise indicated), with name of preparer (firm name) indicated. The Contract Drawings shall not be traced or reproduced by any method for use as, or in lieu of detail shop drawings. Show dimensions and note which are based on field measurement. Identify materials and products in the work shown. Indicate compliance with standards and special coordination requirements. Do not allow shop drawing copies without appropriate final "Action" markings by the engineer to be used in connection with the work.
1. Submittal. Minimum of 9 prints are required. Each copy shall be stamped by the Contractor certifying review. Five (5) copies will be retained (2 for engineer, 3 for owner) and remainder will be returned marked with "Action", and any correction or modification (if any), as required.
  2. Record Document. Of the four (4) returned copies, one is to be marked-up and maintained by the Contractor as the "Record Document". The other three (3) will be for contractor's or vendor's use.
  3. If the contractor requires more than 3 copies returned for his (or Vendor's) use, additional copies beyond the nine (9) shall be submitted.

C. Product Data. Collect required data into one submittal for each unit of work or system, and mark each copy to show which choices and options are applicable to project. Include manufacturer's standard printed recommendations for application and use, compliance with standards, application of labels and seals, notation of field measurements, which have been checked, and special coordination requirements. Maintain one set of product data (for each submittal) at project site, available for reference by the Engineer or others.

1. Submittals. Do not submit product data, or allow its use on the project, until compliance with requirements of contract Documents has been confirmed by the contractor. Submittal is for information and record, unless otherwise indicated. Initial submittal is final submittal, unless returned promptly by the Engineer, marked with an "Action", which indicates an observed non-compliance. Submit nine (9) copies, four (4) of which will be returned. One set shall be kept at job site.
2. Installer's Copy. Do not proceed with installation of materials, Products, or systems until copy of applicable product data is in possession of installer.

D. Samples. Provide units identical with final condition of proposed materials or products for the work. Include "range" samples (not less than 3 units) where unavoidable variations must be expected, and describe or identify variations between units of each set. Provide full set of optional samples where the Engineer's selection is required. Prepare samples to match the Engineer's sample where so indicated. Include information with each sample to show generic description, source, or product name and manufacturer, limitations, and compliance with standards. Samples are submitted for review and confirmation of color, pattern, texture, and "kind" by the Engineer. Engineer will not "test" samples (except as otherwise indicated) for other requirements, which are the exclusive responsibility of the Contractor.

1. Submittal. At Contractor's option, provide preliminary submittal of a single set of samples for the engineer's review and "Action". Otherwise, initial submittal is final submittal, unless returned with "Action" which requires re-submittal. Submit six (6) sets of samples in final submittal; one set will be returned.
2. Quality Control Set. Maintain returned final set of samples at project site, in suitable condition, and available for quality control comparisons by Engineer and by others.

#### **1.04: Distribution**

A. General Distribution. Provide additional distribution of submittals (not included in

foregoing copy submittal requirements) to subcontractors, suppliers, fabricators, installers, governing authorities, and others, as necessary for proper performance of the work. Include such additional copies in transmittal to the engineer where required to received "Action" marking before final distribution. Show such distributions on transmittal forms.

B. Review Time. Allow a minimum of fifteen (15) calendar days following receipt of Submittals for the Engineer's initial processing of each submittal requiring review and response. Allow longer periods where processing must be delayed for coordination with subsequent submittals. The Engineer will advise the contractor when it is determined that a submittal being processed must be delayed for coordination. Allow two weeks for re-processing each submittal. Advise the Engineer on each submittal as to whether processing time is critical to progress of the work, and therefore the work would be expected if processing time could be shortened.

C. Engineer's Action.

1. Final Unrestricted Release. Work may proceed, provided it complies with contract documents, when submittal is returned with the following:

Marking: "A" - No Exceptions Taken.

2. Final-But-Restricted Release. Work may proceed, provided it complies with notations and corrections on submittal and with contract documents, when submittal is returned with the following:

Marking: "B" - Revised as Noted.

3. Returned for Re-submittal. Do not proceed with work. Revise submittal in accordance with notations thereon, and resubmit without delay to obtain a different action marking. Do not allow submittals with the following marking (or unmarked submittals where a marking is required) to be used in connection with performance of the work:

Marking: "C" - Amend and Resubmit.  
"D" - Rejected - See Remarks.

TRANSMITTAL FORM

Transmittal of Shop Drawings, Monolith Drawings, Equipment Data, Material Sample or Manufacturer's Certificates of Compliance for Approval.						<input type="checkbox"/> New Transmittal  <input type="checkbox"/> Re-Submittal	
Project: Two Year Contract Replacement for Rehabilitation of Sewer Manholes, Jefferson Parish							
TO: JEFFERSON PARISH DEPARTMENT OF SEWERAGE 1221 ELMWOOD PARK BLVD., SUITE 803 JEFFERSON, LA 70123				From:		Transmittal No.	
						(If Any) Previous Transmittal No.	
Item No.	Description of Item Submitted, i.e., Type, Size, Model No., Etc.	Mfg. or Supplier	Mfg. or Contr. Cat., Curve, Drawing or Brochure No.	No. of Copies	Project Specification Section Number	Engineer's Use Only	
						Action Code	
Signature of Contractor: _____ Date: _____							
(THIS SECTION TO BE USED ONLY BY THE ENGINEER TO DESIGNATE ACTION)							
Action Codes. The following codes are given to the items submitted: A - No exceptions taken; B - Revise as noted; C - Amend and resubmit; D - Rejected. See remarks. Corrections and comments made on the shop drawings during this review do not relieve the contractor from compliance with requirements of the drawings and specifications.							
Enclosure Returned (List by Item No.)  By: _____ Date: _____							
Distribution Requested: Contractor _____ Engineer _____ Owner _____							

**SECTION 01380  
CONSTRUCTION PHOTOGRAPHS**

**Part 1 - General**

Contractor shall be responsible for the production of construction photographs, as provided herein.

**Part 2 - Products**

All photographs shall be digital and produced by a competent photographer. Digital photos shall be submitted in "jpg format" with the description of view, date taken, work order number, and location/address. Compact Disk or Thumb Drive shall be turned in with each payment of the work performed during that pay period.

**Part 3 - Execution**

Minimum of four (4) digital photographs (two pre-construction, two-post construction) of pertinent features shall be taken at each repair location. The same view taken at pre-construction is to be re-photographed after restoration is completed, and submitted with Contractor's application for payment. Payment will not be approved for restoration work if photographs are not submitted with the pay request. The number of photographs noted is a "minimum", and depending on site conditions, it may be prudent to take as many photographs as necessary to document pre-existing conditions. The Contractor is required to photograph the pre-existing conditions from the most advantageous angle possible. The intent of this section is to have detailed photographs from as many different angles as required to adequately document the pre-existing conditions.

**Part 4 - Payment**

Payment for pre and post construction photographs is considered incidental to conducting a point repair. This will not be considered for separate payment.

**SECTION 01410  
TESTING LABORATORY SERVICES**

**Part 1 - General**

**1.01: Requirements Included**

- A. Owner will employ and pay for the services of an Independent Testing Laboratory to perform specified testing, upon recommendation of the Engineer. This shall include re-testing for confirmation of compliance of re-worked areas; however, the Owner shall deduct the cost of all retests from compensation due to the Contractor.
- B. Contractor shall cooperate with the laboratory to facilitate the execution of its required services.
- C. Employment of the laboratory shall in no way relieve Contractor's obligations to perform the Work of the Contract.

**1.02: Laboratory Duties**

- A. Cooperate with Engineer and Contractor; provide qualified personnel after due notice.
- B. Perform specified inspections, sampling, and testing of materials, and methods of construction:
  - 1. Comply with specified standards.
  - 2. Ascertain compliance of materials with requirements of Contract Documents.
- C. Promptly notify Engineer and Contractor of observed irregularities or deficiencies of work or products.
- D. Promptly submit five (5) copies of written report of each test and inspection to Engineer.

Each report shall include:

- 1. Date issued.
- 2. Project title and number.
- 3. Testing laboratory name, address, and telephone number.
- 4. Name and signature of laboratory inspector.
- 5. Date and time of sampling or inspection.
- 6. Record of temperature and weather conditions.
- 7. Date of test.
- 8. Identification of product and specification section.
- 9. Location of sample or test in the Project.
- 10. Type of inspection or test.
- 11. Results of test and compliance with Contract Documents.
- 12. Interpretation of tests as results, when requested by Engineer.



## E. Limitations of Authority of Testing Laboratory

Laboratory is not authorized to:

1. Release, revoke, alter, or increase requirements of Contract Documents.
2. Approve or accept any portion of the Work.
3. Perform any duties of the Contractor.

### **1.03: Contractor's Responsibilities**

- A. Cooperate with laboratory personnel, provide access to Work Site, and to manufacturer's operations.
- B. Secure and deliver to the laboratory (when requested by Engineer), adequate quantities of representational samples of materials proposed to be used, and which require testing.
- C. Provide to the laboratory the preliminary design mix proposed to be used for concrete, and other material list mixes, which require control by the testing laboratory.
- D. Furnish copies of product test reports, as required.
- E. Furnish incidental labor and facilities:
  1. To provide access to Work Sites to be tested
  2. To obtain and handle samples at the Project site or at the source of the product to be tested
  3. To facilitate inspections and tests
  4. For storage and curing of test samples
- F. Notify laboratory sufficiently in advance of operations to allow for laboratory assignment of personnel and scheduling of tests.
  1. When tests or inspections cannot be performed after such notice, reimburse Owner for laboratory personnel and travel expenses incurred due to Contractor's negligence.
  2. Contractor will be responsible for all re-testing as a result of test failure.
- G. Make arrangements with laboratory and pay for additional samples and tests required for Contractor's convenience.

## **SECTION 01579 TRAFFIC REGULATIONS**

### **Part 1 - General**

#### **1.01: Requirements**

- A. The Contractor shall be responsible will be responsible to provide standard traffic control services if needed to safely perform the scope of work included in the project and provide for the safe and expeditious movement of traffic through construction zones. A construction zone is defined as the immediate area of actual construction, which interferes with the driving or walking public.

All work, material, equipment, and other incidentals associated with Temporary Traffic Control shall be performed in accordance with the provisions of Section 713 of the Louisiana Standard Specifications for Roads and Bridges (2016 Edition and latest revisions) and the latest Manual on Uniform Traffic Control Devices (MUTCD), except as otherwise noted in these specifications, including the installation, inspection, maintenance, and removal of all traffic control devices on the project.

B. Traffic Control

The necessary precautions shall include, but not be limited to: proper construction, warning signs, signals, lighting devices, markings, barricades, channelization, and hand signaling devices (flagging operation). The Contractor shall be responsible for installation and maintenance of all devices and requirements for the duration of the construction period.

Should major streets, high volume traffic areas, or other atypical locations deemed necessary by the Owner and/or Project Manager require closure, the Contractor will be required to submit a traffic control plan signed and stamped by a registered Louisiana Professional Engineer for review and approval by the Parish Traffic Engineering Division Engineer and any state agency if applicable. The Parish will require at least ten (10) working days to obtain approved traffic control plans.

The Contractor shall notify the local fire department, police/sheriff department, all appropriate Public Works Departments, and all other necessary authorities and essential emergency agencies in advance to carry out the requirements of the scope of work. For road closures all agencies must be notified 24 hours in advance. Any pre-construction and/or investigation work shall be coordinated with these authorities on a daily basis to avoid any conflict. Should circumstances during construction dictate a temporary emergency road closure, the Contractor shall be responsible for notifying the Fire Department and the and the Jefferson Parish Traffic Engineering Division immediately.

Any costs associated with the development and implementation of site-specific traffic control device plans, traffic control device set-up & removal, including cones, signs, & other necessary devices, etc., and traffic control device operation & maintenance are considered incidental to the other work and provided at no additional cost.

In high traffic volume areas & other instances the assessment work cannot be safely performed, flagman or law enforcement services can be utilized as needed upon approval by the Owner. When flagman or law enforcement services are utilized the Contractor shall be compensated on an hourly basis.

The Contractor shall be responsible for removal, relocation, or replacement of any traffic control device in the construction area which exists as part of the normal pre-construction traffic control scheme. Any such actions shall be performed by the Contractor, under the supervision of the Department of Engineering, Traffic Engineering Division, and in accordance with the specifications, or otherwise directed.

The Contractor will consult with Project Manager and the Jefferson Parish Traffic Engineering Division immediately on any vehicular or pedestrian safety or efficiency problem incurred as a result of construction of the project.

The Contractor is responsible for daily monitoring of traffic control devices and must make appropriate changes to correspond to conditions.

**SECTION 01630  
PRODUCT OPTIONS AND SUBSTITUTIONS**

**Part 1 - General**

In accordance with Louisiana Public Contract Statute (LSA R.S. 38:2211-2296), these Contract Documents include provisions for use of equivalent materials and equipment. Requests for review of equivalency shall be submitted in accordance with the General Conditions and the submittals section.

Other manufacturer's products will be accepted, provided sufficient information is submitted to allow the Project Manager to determine that the products proposed are equivalent to those named. Such items shall be submitted for review by the procedures set forth in the submittals section.

Whenever the names of proprietary products or the names of particular manufacturers or vendors are used, it shall be understood that the words "or equal" following the enumeration, if not specifically stated, are implied.

**SECTION 01700  
CONTRACT CLOSEOUT**

**PART 1 - GENERAL**

**1.01: Requirements Included**

The Contractor must comply with the requirements stated in the Conditions of the Contract, and with the specifications for administrative procedures in closing out the work.

**1.02: Final Deliverables / Submittals**

- A. Contractor to notify the Project Manager & Owner in writing once all authorized work is complete.
- B. Contractor to provide all remaining project data, logs, reports, and other submittals in accordance with the Contract documentation and as required in the specifications.
- C. Project Manager and/or Owner will notify the contractor of any incomplete or insufficient work, data, reports, and other submittals.
- D. Contractor shall take steps to perform any work and provide any remaining data, logs, reports, and other submittals for any incomplete or insufficient.
- E. When the Project Manager finds that the work is acceptable under the Contract Documents, he shall request the Contractor to make closeout submittals.

**1.03: Final Adjustment of Accounts**

- A. Submit a final statement of accounting to the Project Manager.
- B. Statement shall reflect all adjustments to the Contract Sum:
  - 1. The original Contract Sum
  - 2. Additions and deductions resulting from:
    - a. Cap Increases
    - b. Previous change orders
    - c. Other adjustments
  - 3. Total Contract Sum, as adjusted
  - 4. Previous payments
  - 5. Sum remaining due

**1.04: Final Application for Payment**

The Contractor must submit the final application for payment, in accordance with the procedures and requirements stated in the conditions of the contract.

**1.05: Contractor's Closeout Submittals to Project Manager**

- A. Project Record Documents
- B. Warranties and Bonds
- C. Evidence of Payment and Release of Liens
- D. Certificate of Insurance for Products and Completed Operations

**SECTION 01740  
WARRANTIES AND BONDS**

**Part 1 - General**

- 1.01 Contractor shall indemnify the Owner against any repairs which may become necessary to any part of the work performed under this Contract, arising from defective workmanship or materials used therein, for a period of one (1) year from the date of completion of the repair. Warranties for sewer manhole rehabilitation materials and workmanship shall be in accordance with manufacturer requirements, or as otherwise stated in the respective technical specification sections.
- 1.02 The Contractor shall furnish all labor, materials, tools, and equipment required (at his own expense), and shall make such repairs, removal, or shall perform such work or reconstruction as may be made necessary by structural or functional defect or failure resulting from neglect, faulty workmanship, or faulty materials, in any part of the Work performed by him.
- 1.03 The Contractor shall be responsible for all road, sidewalk, handicap curb ramp, and driveway reconstruction; and, repairs and maintenance of same for a period of one year from date of such reconstruction. In the event that the repairs and maintenance are not made immediately, and it becomes necessary for the Owner of the road to make such repairs, the Contractor shall reimburse the Owner of the road for the cost of such repairs.
- 1.04 In the event that the Contractor fails to proceed to remedy the defects of which he has been notified within 15 days of the date of such notice, the Owner reserves the right to take corrective actions to have the work done, as described in the Drawings and Specifications, and to hold the Contractor and the sureties on his bond liable for the cost and expense thereof.
- 1.05 All warranties, bond, insurance, etc. shall provide for 30-day advance notice to the Owner prior to cancellation or renewal date. No payment will be made to the Contractor for any work without insurance and bonds being in effect.



## **SECTION 02146 BYPASS PUMPING**

### **Part 1 - General**

#### **1.01: Scope of Work**

This section shall include furnishing all equipment, labor, and materials necessary to setup, operate, and maintain by-pass pumping. The Project Manager will determine the quantities and disposition of water to be pumped. The Contractor shall provide the necessary equipment to meet these minimum requirements. By-pass pumping for 4-inch pumps or less will be considered incidental to the work, and will have no separate payment.

#### **1.02: Plugging or Blocking**

The Contractor is responsible to provide the necessary plug or blocking to isolate the manhole where work is to be performed by plugging incoming sewer lines as needed. The plug shall be inserted into the upstream line at the manhole where the work is to be performed. The plug shall be so designed that any portion of sewer flow can be released through the line. After all work has been completed, the plug and all blocking shall be removed from the manhole.

#### **1.03: Pumping and Bypassing**

When pumping/bypassing is required, the Contractor shall supply the necessary pumps, conduits, and other equipment to divert the flow of wastewater around the work site. Bypassed sewerage shall be diverted to the system below the work site, not into the storm drainage system. The bypass system shall be of sufficient capacity to handle existing flows, plus additional flow that may occur during periods of rain.

For projects which are considered to last longer than one normal work day, only submersible or above ground pumps with electric motors will be acceptable without prior approval of the Director of Sewerage. The Contractor shall be responsible for supplying the required electrical feeds, electrical power, labor, and supervision to set up and operate the pumping and by-pass system.

The Contractor must take every precaution to ensure that the plugging and bypassing of sewer flow does not cause flooding or damage to public or private property being served by the sewers involved.

Prior to construction the Contractor shall submit a bypass pumping plan showing:

- a. Intake manhole
- b. Receiving manhole
- d. Pipe layout
- e. Backup equipment
- f. Procedures to monitor upstream lines for backup impacts

g. Procedures for setup and breakdown of pumping operations

**1.04: Measurement and Payment**

Payment for bypass pumping shall be made under the applicable unit bid price items.

**SECTION 02160  
SHEETING, SHORING, AND BRACING**

**Part 1 - General**

**1.01: Description**

This section shall include supplying materials, services, and labor necessary to provide sheeting, shoring, and bracing or supports, as required, to provide a safe working condition for Contractor's personnel, and to provide for protection of utilities, buildings, and structures. It shall be the sole responsibility of the Contractor to comply with these requirements.

**1.02: Submittals**

Prior to beginning sheeting and shoring operations, and as a part of the excavation plan, the Contractor shall submit in writing to the Project Manager his proposed plan to comply with the requirements of this Section. No excavation work shall be allowed to commence until the Contractor has fulfilled this requirement.

**1.03: Safety Requirements**

All sheeting, shoring, and bracing of excavations shall conform to requirements necessary to comply with OSHA regulations, local codes, and other authorities having jurisdiction.

**Part 2 - Execution**

**2.01: Performance**

- A. The planning and installation of all sheeting, shoring, bracing, and sheet piling shall be accomplished in such a manner so as to maintain the required trench or excavated cross section, and to maintain the undisturbed state of the soils adjacent to the trench and below the excavated bottom. All trenches and structural excavations shall be properly sheeted, shored, and braced. Steel sheet piling shall be a continuous interlock design.
- B. The use of horizontal strutting below the barrel of a pipe or structure by the use of a pipe as support for trench bracing will not be permitted.
- C. Wood sheeting shall be left in place and the upper part of the sheeting shall be cut off three (3) feet minimum below the finished ground surface after backfilling. All bracing above this level shall also be removed. Lower bracing shall be left in-place.
- D. Steel sheeting, when used, may be removed upon completion of backfill operations.

## **2.02: Measurement and Payment**

Sheeting, shoring, and bracing used to install sewer mains or manholes shall not be measured separately for direct payment, but shall be included in the applicable contract unit or lump sum prices for the item of work to which it is associated.

**SECTION 02605  
SEWER MANHOLE INSTALLATION AND REPAIRS**

**Part 1 - General**

**1.01: Scope of Work/Requirements**

The work associate with the installation and/or repairs on sanitary sewer manholes shall be performed in accordance with Jefferson Parish Standards Detail and specifications, or as otherwise specified.

Contractor is required to plug all influent lines and by-pass pump (under the conditions of the by-pass pumping section) as necessary to allow for construction, rebuilding, repairing, or rehabilitation of sewer manholes.

If work associated with the replacement and/or repairs of sewer manholes requires the removal of existing paving, including roadways, curbs, gutters, drives, walks, handicap curb ramps, and other incidental paving, upon completion of the sewer manhole replacement or repair work as specified herein, the Contractor shall restore the disturbed paving areas with the same material and section in accordance with technical specification Section 03210, or as otherwise indicated. The limits of pavement removal shall be kept to the minimum required to perform the required work. The existing paving shall be saw-cut as required to provide for a clean, straight edge and be free all loose material & debris.

**Part 2 - Products**

**2.01:** Masonry cement shall conform to ASTM C-150, Type II

**2.02:** Sewer Brick shall conform to AASHTO M-91, Manhole Brick, Grade MM

**2.03:** Precast Concrete manholes shall confirm to ASTM C-478

**2.04:** Fiberglass Reinforced plastic manholes shall conform to ASTM D-3753

**Part 3 – Materials/Execution**

**3.01: Execution:**

All manholes shall be constructed as indicated on Jefferson Parish Standard drawings. All ground water shall be kept away from the newly grouted pipe and bricks until cement has properly set, and until a watertight job is obtained.

Manholes, which admit groundwater after completion, will not be accepted. Bricks must be laid in full, close, shove joints of mortar, following the best work standards.

**3.02: Bedding:**

Bedding material for manholes shall be crushed limestone. It shall be compacted in lifts not exceeding two (2") inches, using a drum roller or plate vibrating compactor.

A minimum of two passes over the entire bedding area is required for compaction of the bedding material. The bedding shall be underlain by a geotextile fabric, such as Mirafi 500X, or approved equal.

### **3.03: Excavation & Backfill:**

Excavated areas around manholes shall be backfilled with select native material or river sand, unless located in paved areas. In paved areas, only river sand will be accepted, compacted to 97% of maximum dry density, in accordance with ASTM D-1557.

### **3.04: Resetting Existing Manhole Rings & Covers**

This item includes the removal and cleaning of the existing frame and cover, the exposed concrete surface to insure a good bonding surface, resetting and grouting the ring, and resetting the cover.

### **3.05: Furnish & Install New Manhole Rings & Covers**

- A. Manhole frames and covers shall be East Jordan Iron Works "V-1403" frame with "V-1501 Cover", US Foundry "USF 766 Frame" with "USF CJ Cover, or approved equal. Covers shall be diamond thread with the word "SEWER" cast into the cover.
- B. Casting for manhole frames, covers and all other iron castings required should have a heavy-duty load rating and be tough gray iron free from injurious defects. The annular bearing planes shall be ground or machined so they will not rock or rattle when crossed by traffic. Allowance shall be made in the patterns so that grinding or machining will not reduce the thickness required. Covers shall fit the frame accurately in any position.

### **3.06: Adjusting Manholes**

- A. If grade adjustments of existing manholes are required, frames and covers shall be removed and chimneys/walls reconstructed as specified for new work and in accordance with the Jefferson Parish Standard Details and specifications, or as otherwise specified.
- B. The top of the manhole cover shall be adjusted to the surrounding paving or ground level, or an elevation established by the Project Manager.
- C. Frames and covers shall be cleaned and placed in good repair (or replaced, if approved by the Project Manager or Director of the Department of Sewerage). Structures may be adjusted by means of metal riser rings, precast riser rings, brick/mortar, or grout. Metal adjusting rings shall be connected to an existing ring by either welding at least 30% of circumference or by using an epoxy system designed for metal-to-metal adhesion.
- D. After removal of existing manhole cover, a suitable temporary cover shall be placed over manhole to prevent debris from entering manhole and to provide for safety of

workman and the public until manhole cover is in place.

- E. If rubble and debris fall into a "live" manhole during adjustment operations, the Contractor shall immediately clear manhole of debris at no direct cost.
- F. If existing sanitary sewer manhole is equipped with an inverter pan / stopper to prevent intrusion of storm water, pan shall be removed and reinstalled after completion of manhole adjustment.

### **3.07: Furnish & Install Sewer Manholes**

A. New sewer manholes, including existing manhole structures to be rebuilt in entirety, shall be installed in accordance with Jefferson Parish Standards Detail and specifications, or as otherwise specified.

#### **1. Precast Concrete Manholes:**

- a. Precast concrete manholes shall conform to the requirements of ASTM C-478.
- b. Precast sewer manholes shall be furnished with Ram-Nek or approved equal rubber gasket in accordance with ASTM C-443. All precast manholes shall be cast with Kor- N-Seal I Boot as manufactured by Fernco for connecting sanitary sewer pipes to manholes.
- c. All joints in precast concrete manholes shall be wrapped tightly with a three-foot (3') band of filter cloth. The cloth shall lap by its width. Filter cloth shall be Mirafi 700x or an approved equal. An approved non-shrink grout shall be used for grouting service lines into manholes.
- d. Xpex admix C-1000 shall be incorporated into mortar mixes for sanitary sewer manholes. Xypex shall include a dye to distinguish from concrete without Xypex, except top slab for of lift station wet wells and valve pits. Sewer lift station wet wells and sanitary sewer manholes receiving force mains, located within 100' of a sewer lift station, and 8' & deeper shall have concrete fortified with Conshield in addition to Xypex.

#### **2. Brick Manholes:**

- a. Refer to Section 04210 Brickwork for brick, cement, mortar, grout and other materials and performance requirements for the installation of brick manholes.

#### **3. Fiberglass Manholes:**

- a. Fiberglass reinforced polyester manholes may be specified if installation is not within a roadway, or as directed by the Owner.
- b. Fiberglass manhole shall be a one-piece unit manufactured to meet or exceed all specifications of ASTM D-3753 and shall be designed for the loadings and environment of the installation.



- B. For any sewer manhole where the vertical distance from the flow line of the outgoing sewer to the invert of the incoming sewer exceeds three feet (3'), or otherwise indicated, drop pipe shall be built for the incoming sewers. Typical drop pipes for eight-inch (8") sewers entering sewers of any size will be eight inches (8") in diameter. Drop pipe for sewers of other size will be as indicated or as directed by the Project Manager or Director of the Department of Sewerage.
- C. Manhole frames and covers shall be East Jordan Iron Works "V-1403" frame with "V-1501 Cover", US Foundry "USF 766 Frame" with "USF CJ Cover, or approved equal. Covers shall be diamond thread with the word "SEWER" cast into the cover.
- D. Casting for manhole frames, covers and all other iron castings required should have a heavy-duty load rating and be tough gray iron free from injurious defects. The annular bearing planes shall be ground or machined so they will not rock or rattle when crossed by traffic. Allowance shall be made in the patterns so that grinding or machining will not reduce the thickness required. Covers shall fit the frame accurately in any position.
- E. No steps shall be installed in manholes.

### **3.08: Repair Manhole / Line Connection**

- A. The repair of a manhole / line connection shall be in accordance with Jefferson Parish Standard Drawings and specifications at locations as directed by the Project Manager or Director of the Department of Sewerage.
- B. For brick manholes new connections shall be made by removing the existing brick.
- C. For precast concrete manholes resilient boot connectors shall be used for pipe connections and the installation shall meet exceed the requirements of ASTM C-923, ASTM C-1244, and ASTM C-1478.

### **3.09: Remove & Replace Precast Concrete Manhole Wall/Cone**

- A. Precast manhole walls/cones shall conform to the requirements of ASTM C-478. Joints between the sections shall comply with ASTM C-443 and be sealed with neoprene gaskets, minimum thickness 3/16 inch, or Ram-Nec joint material, or approved equal. All work shall be performed in accordance with Jefferson Parish Standard Details and specifications.
- B. All joints in precast concrete manholes shall be wrapped tightly with a three-foot (3') band of filter cloth. The cloth shall lap by its width. Filter cloth shall be Mirafi 700 x or an approved equal.
- C. An approved non-shrink grout shall be used for grouting pipes into manholes.
- D. Wall sections shall be furnished in lengths required to match the existing lengths as closely as possible.

### **3.10: Remove & Replace Manhole Wall (Brick)**

- A. Manhole walls shall be replaced in accordance with the Jefferson Parish Standard Details and specifications.
- B. Refer to Section 04210 Brickwork for brick, cement, mortar, grout and other materials and performance requirements for the installation of brick manholes.

### **3.11: Rehabilitate/Rebuild Manhole Bench/Trough**

- A. The material used for construction shall be a quick setting cementitious material, and is to be mixed and applied according to manufacturer's recommendations and shall have the following minimum requirements:
  - 1. Compressive strength: (ASTM C – 190)                      6 hrs. 1400 psi
  - 2. Shrinkage: (ASTM C – 596)                                      0% at 90% R.H.
  - 3. Bond: (ASTM C – 321)    28 days, 150 psi
  - 4. Density, when applied:    105 +/- pcf
- B. Repair shall be performed on all inverts with visible damage or infiltration. After blocking flow through the manhole, and thoroughly cleaning the invert, the quick setting patch mix shall be applied to the invert in an expeditious manner. The mix shall be troweled uniformly onto the damaged invert to repair the bench/trough to insure a smooth flow without creating any ledges that will trap solid material. The finished invert surfaces shall be smooth and free of ridges. The flow may be re-established in the manhole within 30 minutes after placement of the mix.

### **3.12: Manhole Inserts**

- A. Contractor shall install Lifesaver Stainless Steel Stoppers, Manhole Inserts, at approved locations, insanitary sewer manholes in accordance with Parish Standard Details and specifications. Manhole inserts shall be as manufactured by Rainstopper or approved equal.
- B. Manhole inserts shall be comprised on corrosion resistant 316 stainless steel and be able to eliminate inflow and reduce the infiltration of surface level containments, while simultaneously controlling the escape of undesirable sewage odor and minimizing traffic related manhole noise and cover displacement. The insert shall be capable of venting sewer gases through a non-mechanical device and have no moving parts.
- C. The weight of the insert shall not exceed ten (10 lbs) pounds and be capable of being installed by a single person.
- D. Inserts shall be installed in accordance with manufacture specifications and have a minimum fifteen-year replacement warranty against defective materials or workmanship. Defective inserts, excluding replacement of handle, valve, and gasket, shall be replaced free of charge by the manufacturer within fifteen years of purchase if

not damaged through mishandling, accident, or abnormal use. Any inserts damaged as a result of actions by the Contractor shall be replaced at the Contractor's expense.

- E. Prior to installation the Contractor shall measure and provide to the manufacturer the physical dimensions for each unique manhole frame and cover to ensure the inserts adequately fit in the manhole to meet the desired quality to successfully eliminate inflow.
- F. Contractor shall clean all dirt and debris from the manhole frame prior to installation. After insert is installed the Contractor shall ensure the lid is flush with frame to alleviate a tripping hazard.
- G. Contractor must adequately handle and store inserts to protect units until installation and all other work at the location is complete. Inserts shall be protected from direct sunlight prior to installation.

### **3.13: Install Force Main Discharge Tee/Turndown**

- A. Upon approval a 4-inch through 12-inch diameter tee with cap on top and force main turndown shall be installed internal to manhole.
- B. The drop leg shall extend to the manhole invert with a discharge window near the bottom with a 45-degree bend at end positioned to discharge toward the ongoing sewer pipe.
- C. Piping internal to manhole shall have restrained joints and anchored to the interior wall with stainless steel riser clamps, or stainless-steel bands & expansion anchors, with a maximum spacing of 72" and at minimum of 2 locations.

**SECTION 02657  
SEWER MANHOLE REHABILITATION**

**PART 1 - GENERAL**

**1.01 Summary of Work**

- A. This section covers all workmanship, equipment, materials, quality, and other general requirements for wastewater structure rehabilitation, including surface preparation, application, and performance for installation of chemical grouting, sealing leaks, water plugs, lining & coating of sewer manhole / wet well structures.
- B. The work areas will be designated by the Project Manager/Owner. The installer's personnel shall not be permitted in any area other than those expressly designated by the Project Manager.
- C. The installer shall coordinate with the Project Manager/Owner regarding availability of work areas, completion times, safety, access, and other factors that can impact sewer collection operations.

**1.02 References**

Referenced publications found within this specification shall be the latest revision unless otherwise specified. All applicable sections and applicable parts within of the referenced publications shall become a part of this specification as if fully included.

- 1. ASTM C78, Standard Test Method for Flexural Strength of Concrete
- 2. ASTM C109, Standard Test Method for Compressive Strength of Hydraulic Cement Mortars
- 3. ASTM C157, Standard Test Method for Length Change of Hardened Hydraulic-Cement Mortar and Concrete
- 4. ASTM C307, Standard Test Method for Tensile Strength of Chemical-Resistant Mortar, Grouts, and Monolithic Surfacing
- 5. ASTM C580, Standard Test Method for Flexural Strength and Modulus of Elasticity of Chemical-Resistant Mortars, Grouts, Monolithic Surfacing, and Polymer Concretes
- 6. ASTM C596, Standard Test Method for Drying Shrinkage of Mortar Containing Hydraulic Cement
- 7. ASTM C882, Standard Test Method for Bond Strength of Epoxy-Resin Systems Used with Concrete By Slant Shear
- 8. ASTM F2414, Standard Practice for Sealing Sewer Manholes Using Chemical Grouting
- 9. ASTM C920 – Specification for Elastomeric Joint Sealants
- 10. ASTM D3960 – Practice for Determining Volatile Organic Compound (VOC) Content of Paints and Related Coatings
- 11. ASTM D4259 – Practice for Abrading Concrete
- 12. ASTM D4787 – Standard Practice for Continuity Verification of Liquid or Sheet Linings Applied to Concrete Substrates

13. ASTM E337 – Standard Practice Test Method for Measuring Humidity with a Psychrometer
- ~~14. ASTM F710 – Practice for Preparing Concrete Floors and Other Monolithic Surfaces to Receive Resilient Flooring~~
15. ASTM D4541 – Adhesion
16. ASTM D412 – Tensile Strength and Elongation
17. ASTM D2240 – Tear Strength
18. ASTM D1737 – Hardness
19. ASTM D460 – Taber Abrasion
20. NACE Pub. 6D-173 – A Manual for Painter Safety
21. NACE Pub. 6G-164 – Surface Preparation Abrasives for Industrial Maintenance Paintings
- ~~22. NACE Pub. TPC2 – Coatings and Linings for Immersion Service~~
23. NACE Pub. 6F-163 – Surface Preparation of Steel or Concrete Tank Interiors
24. NACE RP0892-92 – Standard Recommended Practice, Lining over Concrete in Immersion Service
25. NACE RP0288-88 – Standard Recommended Practice, Inspection of Linings on Steel and Concrete
26. Federal Standard 595 B – Federal Standard Colors
27. Guideline No. 03732 – Selecting and Specifying Concrete Surface Preparation for Sealers, Coatings, and Polymer Overlays (Federal Standard Colors and International Concrete Restoration Institute)
28. The Published Standards of the National Association of Corrosion Project Managers
29. SSPC-SP12 (Steel Structures Painting Council) – Surface Preparation and Cleaning of Steel and Other Hard Materials by High and Ultrahigh Pressure Water Pressure Prior to Recoating
30. SSPC-SP13 – Surface Preparation of Concrete
31. SSPC-PA-3 – “A Guide to Safety in Paint Application”
- ~~32. SSPC Guide 12 – Guide for Illumination of Industrial Painting Projects~~
33. OSHA 1915.35 – Standards – 29 CFR – Painting
34. ANSI/ASC Exhaust Systems – Abrasive Blasting Operations – Ventilation and Safe Practice

### **1.03 Product Submittals**

All submittals shall be submitted in accordance with the applicable portions of these specifications.

#### **A. Pre-Approval Product Submittals**

1. Products will not be considered by Project Manager as an “or-equal” or substitute unless a written request for approval has been submitted by the Bidder and has been received by Project Manager at least 15 days prior to the date for receipt of Bids. Requests for approval shall include all of the following information:
  - a. A cover sheet stating the name of the proposed product and the name of the currently specified product (with applicable specification section number) which the proposed product is

- requesting to be approved as an “or-equal.” The letter shall provide evidence that the installing contractor has a minimum of 10-years of experience installing the proposed “equal” product.
- b. A letter from the installer stating that the proposed product is in compliance with all aspects of the specifications including all applicable physical properties, thicknesses, dimensions, cure-times, and warranty requirements. The Installer shall also include with the letter complete references (with current contact information) showing exactly how many successful installations of the proposed product that the installer has completed to date.
  - c. A letter from the manufacturer stating that the proposed product is in compliance with all aspects of the specifications including all applicable physical properties, thicknesses, dimensions, cure-times, and warranty requirements.
  - d. Documentation that the installer of the product has been trained and certified by the manufacturer and meets the experience requirements of these specifications.
  - e. A list of the last five projects completed by the installer utilizing the applications and methods similar to those proposed for this project, along with the quantities installed and a contact person for the Owner or Project Manager for each project.
2. The burden of proof of the merit of the proposed item is upon the Bidder. Project Manager’s decision of approval or disapproval of a proposed item will be final. If Project Manager approves any such proposed item, such approval will be set forth in an Addendum issued to all prospective Bidders. Bidders shall not rely upon approvals made in any other manner.

#### B. Product Submittals

1. The contractor shall submit the following information to the Project Manager for approval prior to beginning the application and installation of the sewer rehabilitation products and systems to be utilized for this work, if applicable for the proposed product or system:
  - a. Material type and manufacturer to be used, including catalog data showing manufacturer’s clarifications and updates, ASTM references, data sheets for all products supplied, material composition, specifications, physical properties and chemical resistance, manufacturer’s recommended mix, additives and set time.
  - b. Manufacturer’s detailed description of recommended procedures for handling, storing and ventilation requirements for materials, including temperature & humidity range limits.
  - c. Manufacturer’s detailed description of processes to execute the use of material including equipment required.
  - d. Detailed description of field-testing processes and procedures.
  - e. Material Safety Data Sheets (MSDS) for any materials brought on-site.
  - f. Submit daily reports that contain the following information: Substrate conditions, ambient conditions, application procedures, work



completed with location thereof, and pre-&post construction photographs.

- g. A letter from the installer stating that the proposed product is in compliance with all aspects of the specifications including all applicable physical properties, thicknesses, dimensions, cure-times, and warranty requirements. The Installer shall also include with the letter complete references (with current contact information) showing exactly how many successful installations of the proposed product that the installer has completed to date.
- h. A letter from the manufacturer stating that the proposed product is in compliance with all aspects of the specifications including all applicable physical properties, thicknesses, dimensions, cure-times, and warranty requirements.
- i. Documentation that the installer of the product has been trained and certified by the manufacturer and meets the experience requirements of these specifications.

#### **1.04 Quality Assurance**

- A. Do not use or retain contaminated, outdated, diluted, or otherwise compromised materials. Do not use materials from previously opened containers.
- B. Use only products meeting the applicable design and other requirements included in these specifications and those that are applied by a prior approved installer. Use products of one manufacturer in any one coating, lining, or resurfacing system application with compatible materials. Provide the same material product for touch-up or repair as for original material.
- C. If any requirements of this specification conflict with an applicable part of a referenced standard, the more stringent requirement shall apply.
- D. Make available all locations and phases of the work for access by the Project Manager/Owner or other personnel designated representative. The installer shall provide ventilation and egress to safely access the work areas for inspection.
- E. Conduct work so that the products or system is installed as specified herein, or otherwise directed by the Project Manager/Owner, and according to manufacturer's recommendation. Inspect work continually to ensure that the products or system is installed as specified herein, or otherwise directed by the Project Manager/Owner. The installer shall inspect the work to determine conformance with the specifications and referenced documents. The installer shall inform the Project Manager of the progress and the quality of the work through daily reports. Any nonconforming coating system work shall be corrected as recommended by the manufacturer or as directed by the Project Manager/Owner.
- F. The methods of construction shall be in accordance with all requirements as specified and the manufacturer's requirements.
- G. Employ only tradespeople who have completed at least five (5) similar projects within the last ten (10) years using similar materials. This experience shall be strictly limited to wastewater structure rehabilitation work as specified with only products previously approved. Projects with products not approved for use on



this project prior to bid or as specified herein will not be considered for record of experience.

- H. Materials shall be applied only during good weather periods as per manufacturer requirements. Air and surface temperatures as well as dew point shall be within limits prescribed by the manufacturer for the product being applied and work areas shall be reasonably free of airborne dust at the time of application and while drying. The structure surface must be properly cleaned and prepared in accordance with the manufacturer's requirements prior to application.
- I. Upon completing the installation, the Contractor must obtain written certification from the manufacturer that all work has been performed in accordance with the requirements and within the limits prescribed by the manufacturer.
- J. All safety precautions recommended by the manufacturer shall be strictly adhered to at all times when work is in progress.
- K. Do not use floor drains, ditches, or storm drains for disposal of materials.
- L. If applicable, the installer shall take all precautions and implement all measures necessary to avert potential hazards associated with the handling, mixing, and/or application of materials as described on the pertinent Material Safety Data Sheets or container labels.

#### **1.05 Delivery and Storage**

- A. Materials shall be stored in accordance with the manufacturer's recommendations in enclosed structures and shall be protected from weather and adverse temperature conditions. Flammable materials shall be stored in accordance with state and local codes. Materials exceeding storage life recommended by the manufacturer shall be removed from the site.
- B. If applicable, store all materials only in an area or areas designated by the Project Manager/Owner solely for this purpose. Confine mixing, thinning, clean-up and associated operations, and storage of materials-related debris before authorized disposal, to these areas. If material is delivered in buckets or bags, all materials are to be stored on pallets or similar storage/handling skids off the ground in sheltered areas in which the temperature is maintained between 50F and 90F, or temperature range required by the manufacturer.
- C. If applicable, the mixing of materials shall be in an enclosed mixing area designated by the Project Manager/Owner. This enclosed area must protect the mixing operation and materials from direct sunlight, inclement weather, freezing, or other means of damage or contamination. Protect all other concrete and metallic surfaces and finishes from any spillage of material(s) within the mixing area.
- D. If applicable to manufacturer's packaging standards, deliver all materials to the job site in their original, unopened containers. Each container shall bear the manufacturer's name and label.
  - 1. Labels on all material containers must show the following information:
    - a. Name or title of product
    - b. Federal Specification Number if applicable
    - c. Manufacturer's batch number and date of manufacture
    - d. Manufacturer's name
    - e. Generic type of material

- f. Application and mixing instructions
  - g. Hazardous material identification label
  - h. Shelf-life date
  - i. Storage requirements
- E. All containers shall be clearly marked indicating any personnel safety hazards associated with the use of or exposure to the materials.
- F. All materials shall be handled and stored to prevent damage or loss of label.
- G. Do not use or retain contaminated, outdated, prematurely opened, diluted, or otherwise compromised materials.

### **1.06 Job Conditions**

- A. Environmental:
1. Prepare surfaces and apply products within air and surface temperature range in accordance with manufacturer's instructions.
  2. Prepare surfaces and apply products within relative humidity range in accordance with manufacturer's instructions.
  3. Do not prepare surfaces or apply products in rain, snow, fog, or mist.
  4. Do not apply or spray materials if wind velocity causes overspray.

### **1.07 Warranties**

Provide an affidavit executed under seal by an officer of the manufacturer stating that if their proposed grout, coating, and/or lining system is used on this project, the manufacturer will warrant the finished, in-place, products / systems against infiltration and corrosion for the minimum number of years from the installation date as specified below:

- A. Chemical Grout / Spray On Epoxy Liners / Hybrid Epoxy Mortar Liners: Manufacturer warranty shall include a five (5) year minimum limited warranty covering the product will perform its function as intended and will remain free of defects. The contractor shall warrant that the installation was performed in accordance with the manufacturer's recommendation. The contractor will further warrant that the work performed will remain free from defects, failure due to defective material, installation, or workmanship for a period of five (5) years from the date of completion, or for the same period of the manufacturer limited warranty if greater.
- B. Multi-Layered Composite Liners: Manufacturer warranty shall include a ten (10) year minimum limited warranty covering the product will perform its function as intended and will remain free of defects. The contractor shall warrant that the installation was performed in accordance with the manufacturer's recommendation. The contractor will further warrant that the work performed will remain free from defects, failure due to defective material, installation, or workmanship for a period of ten (10) years from the date of completion, or for the same period of the manufacturer limited warranty if greater.

Both the manufacturer and the installer shall stand behind their warranty for the duration of the respective warranty period.

For all other sewer structure rehabilitation products, not used for coating or lining systems, the manufacturer shall provide a certified letter to include a warranty covering both materials and installation beginning on the date of final acceptance for the number of years as specified for the specific product, or the manufacturer's standard warranty period, whichever is greater. The warranty term terms & conditions shall also be attached to the letter from the manufacturer. The installer shall stand behind the manufacturer's warranty covering both materials and installation beginning on the date of final acceptance.

## **PART 2 – PRODUCTS/MATERIALS**

### **2.01 General**

- A. All products and materials specified herein for use on this project are to establish performance, quality, and other general requirements.
- B. All products to be used on this project must be pre-approved by the Project Manager if not specified. The lining system to be utilized shall be a protective lining system designed to protect concrete and other surfaces against corrosion from hydrogen sulfide gas, acids, and other substances common in raw domestic wastewater. Coating materials must be designed to provide long term protection for wastewater manholes subjected to extremely high levels of hydrogen sulfide induced corrosion.
- C. Other manufacturers or products seeking pre-approval must be submitted to the Project Manager prior to the bid opening to be considered in accordance with the submittals section of this specification.

### **2.02 Substitutions**

- A. Other manufacturers or products seeking pre-approval must be submitted to the Project Manager prior to the bid opening to be considered in accordance the submittals section of this specification.

### **2.03 Infiltration Control Products/Materials**

- A. Acrylic or Acrylate Base Grout for non-structural infiltration control: Follow ASTM F2414 and as specified herein.
  - 1. Two-part chemical grout mixed at point of injection.
  - 2. Minimum 25 percent acrylic or acrylate base material by volume.
    - a. To increase strength or offset dilution during injection period, use higher concentration of base material as directed by Project Manager.
  - 3. Controllable reaction time: 10 seconds to 1 hour .
  - 4. Viscosity: 1.5 centipoises water.
    - a. May be increased maximum of 2.5 centipoises water as

- directed by Project Manager.
- b. Remain constant throughout injection period.
- 5. Tolerates dilution and reacts in moving water.
- 6. Final reaction:
  - a. Produces chemically, continuous irreversible, non-biodegradable, flexible gel, impermeable to water at pressures up to 15 psi in pure form.
  - b. Produces stabilized soil in ground that will not become brittle or rigid.
- 7. Gel does not bleed water under stress.
- 8. Dehydrated gel returns to 90 percent of its original volume and form after prolonged period of low ground water.
- 9. Do not use catalyst containing dimethyl amino propionitrile (DMAPM).
- 10. Use root inhibitor (50% active dichlobenil) when roots are present in manholes, connecting pipes or laterals.
  - a. Change dye color to confirm root inhibited grout is being injected.
- 11. Use latex additive for increased tensile strength.
- 12. Tinted to allow detection of grout in drill holes or at leakage locations.
- 13. Approved Manufacturers/Products.
  - a. Grout
    - 1) Avanti, AV-118 Duriflex
      - a) Additives
        - (1) AV-101 Catalyst T+
        - (2) AV-103 Catalyst SP
      - 2) Or Equal
    - b. Root Inhibitor
      - 1) Avanti, Norosac AC50W – Root Inhibitor
      - 2) Or Equal
    - c. Latex Additives
      - 1) AV-257 Icoset
      - 2) Or Equal

**B. Urethane Base Grout for non-structural infiltration control: Follow ASTM F2414 and as specified herein.**

- 1. Ratio: One part urethane prepolymer to 10 parts water by volume (10 to 50 percent prepolymer).
- 2. Liquid prepolymer:
  - a. Solids content: 77 to 100 percent.
  - b. Specific Gravity: 1.04
  - c. Flash Point: 20 degrees F.
  - d. Viscosity: 200 to 1,200 centipoises water at 70 degrees F.
- 3. Water for reacting prepolymer: pH of 5 to 9.
- 4. Use manufacturer recommended gel control agent to control cure time as required.
- 5. Final Reaction:
  - a. Produces chemically continuous irreversible, non-biodegradable, flexible gel, impermeable to water at pressures

up to 15 psi in pure form.

6. Use root inhibitor (50% active dichlobenil) when roots are present in manholes, connecting pipes, or laterals.
7. Use latex additive for increased tensile strength.
8. Tinted to allow detection of grout in drill holes or at leakage locations.
9. Approved Manufacturers/Products.
  - a. Grout
    - 1) Avanti, Acrylic Gel AV-350 Multi Gel
    - 2) De Neef, Inc., Hydro Active Multigel NF.
    - 3) Or Equal
  - b. Root Inhibitor
    - 1) Avanti, Norosac AC50W – Root Inhibitor
    - 2) Or Equal
  - c. Latex Additives
    - 1) Avanti, AV-257 Icoset
    - 2) Or Equal

C. Hydraulic Water Plugs for non-structural infiltration control

1. Rapid setting to plug active leaks prior to other rehabilitation work
2. Initial Set Time at 70 degrees F: 60 to 90 seconds
3. Final Set Time at 70 degrees F: One hour
4. Compressive Strength (ASTM C109): 2500 psi at 24 hours / 4,000 psi at 28 days
5. Length Change (ASTM C157): 0 percent
6. Approved Manufacturers/Products.
  - a. Parson Environmental Products.
    - 1) Parson Quick Plug
  - b. Strong Company, Inc.
    - 1) Strong-Plug
  - c. Or Equal

## 2.04 Manhole Surface Rehabilitation Products/Materials

A. H2S Resistant Cementitious Modified Silica Mortar Reconstruction for Manhole Restoration

1. Quick setting (under 20 minutes), high strength, sulfide resistant, calcium aluminate-based or Portland cement material.
2. Suitable for troweling or rotary spray application to inside of manhole.
3. Use additives to increase corrosion resistance or bond strength at manufacturer's direction and with Project Manager's approval.
4. Initial set time per manufacturer's recommendation and per project conditions.
5. Density when applied: 134 lb/cf +/- 5lb/cf
6. Compressive strength (ASTM C109) at 1 day
  - a. Per manufacturer recommendation
  - b. Minimum acceptable: 2,000 psi
7. Compressive strength (ASTM C109) at 28 days.

- a. Per manufacturer recommendation
- b. Minimum acceptable: 5,500 psi
- 8. Bond Strength (ASTM C882) at 28 days
  - a. Per manufacturer recommendation
  - b. Minimum acceptable: 1,640 psi
- 9. Flexural Strength (ASTM C78) at 28 days
  - a. Per manufacturer recommendation
  - b. Minimum acceptable: 1.200
- 10. Shrinkage (ASTM C596) at 28 days: 0 percent
- 11. Freeze/Thaw (ASTM C666): no visible damage
- 12. Thickness: 500 mils (1/2") minimum.
- 13. Approved Manufacturers/Products.
  - a. Rainstopper
    - 1) CMS 10K
  - b. Madewell
    - 1) Mainstay ML-72
  - c. Strong Company, Inc.
    - 1) Strong Seal High Performance Mix
  - d. Or Equal

#### B. Spray on Epoxy Liners

- 1. Seamless manhole formed in place, within existing manhole extending from channel to frame
- 2. Two or three part epoxy coating
- 3. Existing wall preparation: Follow manufacturer's recommendations
- 4. Thickness:
  - a. Structurally independent of existing manhole structure or sufficient to form protective barrier when used with Cementitious Manhole Restoration. Thickness to be 250 mils if standalone or 150 mils if used with 500 mils (1/2") cementitious underlayment.
  - b. Designed by manufacturer related to location, loads, water table and condition of manhole.
- 5. Minimum Tensile Strength:
  - a. Per manufacturer recommendation
  - b. Minimum acceptable: 7,500 psi (ASTM D638) at 28 days / 2,500 psi (ASTM C307)
- 6. Tensile Elongation at Break: 3-7%
- 7. Minimum Flexible Strength:
  - a. Per manufacturer recommendation
  - b. Minimum acceptable: 7,000 psi (ASTM D790) at 28 days / 4,600 psi (ASTM C580)
- 8. Approved Manufacturers/Products.
  - a. Rainstopper
    - 1) SG Mastic – Two Part Epoxy
  - b. Epoxytech, LLC
    - 1) CPP (Sprayable) – CPP Sprayliner MH
  - c. Warren Environmental
    - 1) 301-14 TDS Epoxy Spray System

d. Or Equal

C. Multi-Layered Composite Liner System consisting of the following components:

1. Moisture barrier: Modified polymer.
2. Surface layer: Polyurethane/polymeric blend foam.
3. Final corrosion barrier: Modified polymer.
  - a. Modified polymer: Sprayable, solvent free, two-component polymeric, moisture/chemical barrier specifically developed for corrosive wastewater environment.
4. Ridged structure: Low viscosity two-component polyurethane foam, containing flame retardants.
5. Total thickness of multi-component stress panel liner: Minimum 500 mils.
6. Approved Manufacturers/Products.
  - a. CCI Spectrum, LLC
    - 1) Spectrashield Liner Systems
  - b. Nukote Coating Systems
    - 1) Nukote AEGIS, Class B System

D. Hybrid Epoxy Mortar Liners

1. Surface Preparation: Allow new concrete to cure for 28 days, verify dryness by ASTM D4263. Abrasive blast to remove laitance, form release agents, curing compounds, sealers, or other contaminants and to achieve a surface profile equivalent to ICRI CSP 5.
2. 100% Solids Standalone Epoxy Mortar lining: Minimum 250 mils.
3. Approved Manufacturers/Products.
  - a. Tnemec
    - 1) Series 434 H2S Permashield
  - b. Epoxytec, LLC
    - 1) Mortar Cladliner
  - c. Or Equal



## **PART 3 - EXECUTION**

### **3.01 Maintenance of Service**

- A. Maintain service usage throughout duration of project, unless otherwise authorized by the Project Manager or Owner. Proper notice shall be provided to the property Owner in advance of any service interruption. No property shall be without service for more than 8 hours.

### **3.02 Manhole Preparation**

- A. Manhole Preparation: Following approved submittals for rehabilitation products used.
  - 1. Divert flow from channel. Bypass pumping shall be considered incidental to the work unless otherwise approved by the Owner. Refer to the bypass pumping section.
  - 2. Prevent extraneous material from entering sewer lines during cleaning and rehabilitation work.
    - a. Filter solids-laden water through an approved de-silting device. No material shall be allowed to go downstream. Notify the Project Manager and Owner immediately if any deleterious material was released downstream.
  - 3. Clean interior surface of manhole of debris, dirt, oil, grease, remains of old coating materials, and any other extraneous materials.
  - 4. Pressure wash interior of manholes to remove loose mortar, concrete and debris in accordance with manufacturer requirements or applicable industry standards.
  - 5. Repair irregularities and missing material in manhole forming a final smooth surface.
  - 6. Stop leakage into manhole.
- B. Chemical Grouting for Leakage Control.
  - 1. Provide 48 hour notice to Project Manager prior to start work for equipment inspection and testing.
    - a. Allow measurements to be taken.
    - b. Demonstrate acceptable grout volumetric measuring technique.
  - 2. Adjust chemical mixing ratios required for specific application.
    - a. Minimum gel time 30 seconds, or otherwise specified or as directed by Project Manager.
  - 3. Do not block pipes entering/exiting manhole with grout.
    - a. Use mirror or camera to confirm pipes are not blocked.
  - 4. Do not damage manhole structure during operations.
    - a. Repair damaged locations as directed by Project Manager/Owner in accordance with manufacturer

- recommendations.
5. Protect area of manhole below repair work.
    - a. Do not allow solid material to enter sewage flow.
    - b. Remove protective devices as soon as practical.
  6. Manhole Sealing: Follow ASTM F2414 and as specified herein.
    - a. Brick manholes.
      - 1) Drill only the amount of holes necessary to stop leakage following industry standards and chemical grout manufacturer's recommendations.
        - a) Do not use curtain of grout sealing method, unless otherwise specified or directed by the Project Manager.
      - 2) Proceed with manhole reconstruction / rehabilitation using processes as specified and in accordance with the manufacturer requirements and applicable industry standards.
    - b. Precast manholes.
      - 1) Seal pipe connections as specified by drilling between pipe and manhole opening and injecting grout.
      - 2) If required, seal precast manhole base by drilling holes at leakage points along bench to wall, and in channel.
      - 3) At precast joints, inject grout through holes drilled at leaking joint.
  7. Hydraulic Water Plugs: Following approved submittals.
    - a. Provide mechanical key by undercutting or square cutting opening and removing loose materials.
    - b. Mix, handle, place, and cure material.
    - c. Finish surface as required for other rehabilitation work.

### **3.03 Manhole Rehabilitation**

- A. Locate Existing Manhole.
  1. Using available records, maps, GPS coordinates, metal detectors or other technology and techniques to locate, excavate, and expose manhole. All costs associated with excavating & uncovering buried manholes deeper than one (1) foot to be paid under the respective bid item. If the contractor unable to locate the manhole based on the information available and/or after a minimum of one (1) hour of reasonable effort expended in the field, the contractor shall notify the Project Manager / Owner.
- B. Reset/Replace and adjust manhole frame and cover if required: Refer to Section 02605 and Standard Details. Refer to Section 01025 regarding the measurement & payment for adjusting manholes, resetting manhole rings & covers, and furnishing & installing new manhole rings & covers.
- C. Chemical Grouting: Following ASTM F2414 and as specified herein.
- D. Cementitious Reconstruction: Following approved submittals and as

specified herein. (Note: Unless otherwise specified not required for Multi-Layered Composite Liners.)

1. Mix and handle materials.
2. Apply materials using rotary spray equipment or spray gun. Equipment shall be inspected and tested prior to the beginning of work.
3. Apply beginning at bottom of brickwork and work upwards to bottom of frame.
  - a. Seal around pipe connections and steps.
4. Do not allow material to enter sewage flow.
5. Apply.
  - a. Minimum applied thickness: 500 mils (1/2").
  - b. Confirm with pictures and gauge.
6. Trowel and brush for smooth finish.
7. Cure using curing compound when recommended by manufacturer.
  - a. Do not allow flow in manhole or traffic over manhole, until manufacturer's minimum cure times have been achieved.
8. Where necessary cementitious liner must be completed with the application of an epoxy-based material at a minimum thickness of 150 mils.

E. Manhole Liners: Following approved submittals.

1. Epoxy Liners.
  - a. Mix and apply material.
    - 1) Sagging of material is not permitted.
  - b. Seal around pipe connections and steps.
  - c. Cure.
  - d. Finished liner: Forms monolithic structure from manhole frame to bottom of structure walls. Lining of invert not required unless otherwise specified or to comply with the manufacturer's recommendation.
2. Liner to be attached to wall using mastic.
  - a. Apply mastic primer to manhole wall and cure.
  - b. Apply mastic to primed manhole wall.
  - c. Apply liner to mastic.
    - 1) Embed anchoring extensions in mastic.
    - 2) Wrinkling of liner not permitted.
  - d. Finish liner seams.
  - e. Finished liner: Forms monolithic structure from manhole frame to bottom of structure walls. Lining of invert not required unless otherwise specified or to comply with the manufacturer's recommendation.
3. Multi-Layered Composite Liner.
  - a. Surface Preparation: Follow manufacturer's recommendations and applicable industry standards for cleaning and preparation of structure surfacing prior to application.
  - b. Application procedures: Follow manufacturer's

- recommendations and product technical data sheets and SDS for handling, mixing, environmental controls during application, safety, and application equipment.
  - c. Spray equipment: Specifically designed to accurately ratio and apply liner system.
  - d. Affix permanent identification with date of work performed, to structure in readily visible location.
4. Hybrid Epoxy Liner.
- a. Surface Preparation: Follow manufacturer's recommendations and applicable industry standards for cleaning and preparation of structure surfacing prior to application.
  - b. Application procedures: Follow manufacturer's recommendations and product technical data sheets and SDS for handling, mixing, environmental controls during application, safety, and application equipment.
  - c. Mix components to required ratios and spray apply epoxy modified mortar per manufacturer's requirements.
  - d. Application equipment shall meet all the manufacturer's recommendations.
  - e. Finish with trowel and allow to cure per manufacturer's recommendations.
- F. All exposed reinforcement shall be treated with an epoxy-based, rapid-setting, rust inhibiting primer and allowed to cure in accordance with the manufacturer's recommendations.
- G. Trim and seal incoming laterals and pipes.
- H. Remove all construction and cleaning debris from site and dispose of properly at certified waste disposal facility.

### **3.04 Quality Assurance Inspection & Testing**

- A. Field Inspection & Testing.
- 1. Make available all locations and phases of the work for access by the Project Manager/Owner or other personnel designated representative as specified herein.
  - 2. The installer shall notify the Project Manager in advance to perform equipment inspections & testing as specified herein prior to performing work.
  - 3. Inspect all material upon receipt to ensure all are supplied by the approved manufacturer and properly labeled, stored, and in conformance with all other manufacturer's requirements and as specified herein.
  - 4. The installer shall visually inspect the work continually in the field to ensure that the products and/or liner system is being installed as

- specified herein, or otherwise required.
5. Any nonconforming work or damage to materials during installation shall be brought to the attention of the Project Manager and shall be corrected as recommended by the manufacturer or as directed by the Project Manager/Owner.
  6. The installer shall inform the Project Manager of the overall progress and the quality of the work through daily reports.
  7. The installer shall provide pre-&post construction photographs with daily reports as specified herein.
  8. The installer shall visually inspect the work after installation in the presence of the Project Manager, Owner, and/or designated field representative to determine conformance with the specifications and referenced standard documents.
  9. All surfaces to be inspected shall be properly cleaned and prepared to permit for close visual inspection.
  10. If necessary provide flow-through plugs for the duration needed to adequately perform the field inspection and any testing.
  11. Verify no inflow or infiltration and stoppage of all leaks.
  12. Verify services are reinstated and unobstructed.
  13. Verify curing of surfacing materials in conformance with manufacturer's recommendations.
  14. Perform visual inspections of coating & lining areas to detect holidays. Upon full cure the coating or lining material shall be tested by high voltage spark detection in accordance with NACE RP0188 and/or per manufacturer's recommendation to verify a pin-hole free surface and identify any discontinuities. Voltage shall be set at 11,000 volts, or minimum required based on thickness.
  15. Any and all deficiencies or defective work not in compliance with these specifications and/or manufacturer requirements shall be marked for repair or removal/replacement by the installer at no additional cost.
  16. For grout and concrete test for compressive strength following ASTM C109.
  17. The installer shall collect, label, and store representative product samples as required by the manufacturer and applicable standards per approved product submittals.
    - a. Additional product samples maybe required as directed.
    - b. Store and maintain product samples until the contract performance bond has expired.
    - c. Ensure and verify required testing is performed by an approved certified laboratory.

### **3.05 Warranty Inspections**

- A. Owner or Owner's representative will conduct visual inspection within three (3) months prior to expiration of warranty to determine integrity of rehabilitation materials and water-tightness.

- a. Complete post inspection during first high groundwater period (spring or fall) following acceptance of work.
- b. Contractor will accompany Project Manager or designated representative on inspections.
- c. Inspect 25 percent minimum of manholes rehabilitated at locations selected by the Project Manager or Owner.
  - 1) Infiltration and Inflow: None
  - 2) Structural Repairs: Sound
  - 3) If more than one manhole fails warranty inspection, inspect all manholes with similar characteristics.
  - 4) Repair defects in accordance with manufacturer warranty and recommendations.

## **SECTION 02900 LANDSCAPING**

### **Part 1 - General**

After all work has been completed and the areas outside the roadway surface have been fine-graded, all sodded areas disturbed during construction shall be filled to the proper grade with topsoil, sodded, fertilized, and watered.

### **Part 2 - Products**

#### **2.01: Materials**

- A. A minimum of three inches (3") of topsoil shall be placed on all areas disturbed during construction. Native soil (free of debris, roots, or trash) stockpiled during construction may be used. If additional soil is required, it shall be fertile surface soil, capable of supporting the growth of grass and plants.
- B. Fertilizer shall be a slow-release type, meeting the following minimum chemical composition: 8% nitrogen, 8% phosphorus, 8% potassium. It shall be supplied in granulated or pelletized form, and shall be uniformly scattered over the prepared surface at the rate of 2.5 pounds per 100 square feet.

### **Part 3 - Execution**

#### **3.01: Sod Replacement**

- A. The Contractor shall make every attempt to disturb only the existing grass surface necessary to complete the repair, and will be compensated only for replacement of the areas shown on the provided plan or detail, or approved in the field. All grass areas disturbed shall be replaced with new sod of the same grass variety that existed prior to construction, and shall be laid continuously over the entire repair area, matching the grade existing prior to construction. Any grass area unduly disturbed or damaged by Contractor's operation beyond the area shown on the plan/detail sheet, or as approved in the field, shall be replaced at no expense to the owner.
- B. Upon placing sod and fertilizing, the Contractor is required to continue maintaining, fertilizing, and watering of the sodded area until the ground cover is completely established.



**SECTION 03210  
REMOVAL AND RESTORATION OF ROADWAYS,  
CONCRETE CURB AND GUTTER, SIDEWALKS AND DRIVEWAYS**

**PART 1 - General**

**1.01: Description**

All work performed under this Section shall be in accordance with the appropriate section of the Louisiana Standard Specifications for Roads and Bridges (LADOTD) (2016 edition or latest revisions), and/or the Jefferson Parish Standard Details and specifications, unless modified herein or directed in the field. In addition, all work shall comply with the latest American Disability Act (ADA) requirements, as well as any other applicable federal, state, or local code requirements.

This section shall include the removal and restoration of all paved and unpaved roadways, curbs, gutters, drives, walks, handicap curb ramps, and other incidental paving areas encountered on the project, and/or damaged by the Contractor during construction. Any damage resulting from the Contractor operations shall be restored as specified herein at the expense of the Contractor, including any associated testing costs, to the satisfaction of the Project Engineer and/or Owner.

The work associated the removal and restoration of roadways, curbs, gutters, drives, sidewalks, handicap ramps, and other incidental paved and unpaved surfaces shall be furnished and installed in conformity with the lines, grades, thicknesses, and typical cross sections shown on the plans and other details, if provided. In the event plans and details are not available, prior to construction in an area, the Contractor shall adequately determine and document the existing centerline, edge of road, curb, and other pavement and surrounding area elevations to establish the pre-construction conditions. The restored pavement sections and other areas of work shall be installed to match the existing adjacent pavement or surrounding area grade elevations & slopes. The Contractor is responsible to ensure positive drainage. If necessary the Contractor shall coordinate with the Project Manager to establish finished elevations prior to construction.

The unit bid price for a paving removal and replacement item shall include the cost of any removal, excavation, saw-cutting (as required), transportation, and proper disposal of the removed materials; placement and removal of temporary surfacing (asphaltic concrete (hard) or aggregate) unless otherwise specified; bedding & backfill; reinforcement; joints; and actual permanent replacement cost including any testing and temporary & permanent pavement striping and markings.

Under no circumstances shall the contractor stockpile removed paving or other at the site, without prior approval by the Owner. All debris and materials are to be removed from the site by the end of the workday and properly disposed of. The Contractor is not allowed to stockpile overnight any new roadway bedding or other materials within

the limits of a roadway. All material storage and equipment staging areas must be pre-approved by the Parish and shall be maintained on a regular basis throughout the construction period.

Unless otherwise directed and approved by the Director of the Department of Engineering, the kind of pavement to be constructed in replacement work shall correspond with the kind removed from the area, as shown on the plans (if provided), or as specified herein. The respective kind of paving (asphaltic concrete or Portland cement) shall be placed, shaped, and finished to establish grade and cross section by practicable means, which will result in a dense, uniform-textured pavement. The abutting edges of existing pavement to remain shall be trimmed of all loose fragments and shall be painted with asphalt or thoroughly moistened with water, as appropriate, to provide good bond between the old and new pavement. All final paving surfaces shall be "finished" in accordance with the latest Louisiana Standard Specifications for Roads and Bridges, or otherwise specified.

All manholes and other structures within the pavement area shall be isolated (boxed out) by means of an approved circular, square, or rectangular section using flexible joint material. Manholes in sidewalk areas will be formed so that an expansion joint is on both sides of the manhole.

All traffic control measures and details shall be approved by the Jefferson Parish traffic engineering division of the office of Public Works Engineering. In addition, the Contractor shall be responsible for the proper and safe protection of the work area.

**NOTICE:** The Contractor is responsible for notifying both the Project Manager, resident inspector, testing lab, and Department of Sewerage representatives at least 24 hours in advance of any placement of concrete or asphalt.

Refer to the Jefferson Parish standard details and other applicable referenced standard plans and specifications.

## **Part 2 - Materials/Execution**

### **2.01: Removal of Surfacing**

All paving removal & disposal work (including roads, curbs, gutters, drives, walks, and incidental shall be performed in accordance with latest edition of the LADOTD standard specification Section 202. Payment for removal & disposal of paving shall be considered incidental to the work and no additional cost to the Owner unless otherwise specified.

All asphaltic concrete surfaces shall be initially removed to a minimum distance of one (1) foot outside the limits of the utility trench, or to the approved construction limits for

the work to be performed. If less than 2' from the edge of cut line to the edge of the roadway, remove all asphaltic concrete paving to the road edge and include in the pay width.

Concrete roadways panels will be removed from joint to joint or edge of pavement, unless otherwise specified or directed. Driveway, sidewalk, and other incidental paving shall be removed to the nearest joint scoring, or as otherwise specified or directed.

If the required work to be performed or site conditions warrant, any concrete roadways paving unable to be removed to the nearest joint shall be saw-cut utilizing a diamond bladed concrete cutting type saw to make a true straight line to a minimum depth of 2", or as otherwise indicated, along the entire limits of the affected area of removal unless other methods & saw depths are authorized by the Project Manager and approved by the Department of Sewerage. Sidewalks, driveways, and other incidental concrete paving unable to be removed to the nearest joint shall be saw-cut full depth, unless otherwise directed or specified. If a joint does not exist at the property line or in close proximity thereof the Contractor shall make a full depth saw-cut along the property line.

See the Asphalt Concrete Pavement Patching section for the saw-cutting of existing asphaltic concrete pavement sections to be removed to perform the required asphalt paving removal work to facilitate utility repair trench areas.

There will be no direct payment for pavement saw-cutting, unless otherwise specified. Any overcuts shall be properly repaired at the expense of the Contractor utilizing a method approved by the Project Manager and Owner.

There will be no direct payment for the removal of curb which is attached to and removed with the roadway surface.

The Contractor is responsible for repairing all damage to adjoining pavement or other assets resulting from his operations.

## **2.02: General Excavation**

All general excavation for the removal of subsurface materials associated with the required work shall be performed in accordance with the latest edition of the LADOTD standard specification Section 203. Payment for general excavation to provide the required section area (length & width) to the depth required for the installation of all associated base & backfill materials associated with the restoration of paved surfaces, following any additional utility rehabilitation work below. Refer to Section 02200 regarding work associated with the excavation and backfill of materials in utility trenches.

All costs associated with the excavation & disposal of excess materials for the restoration of paved surfaces shall be considered incidental to the work and no additional cost to the Owner, unless otherwise specified. All associated costs shall be

included in the cost for the other respective bid items.

Disposal of material shall be in accordance with the latest LADOTD standard specification Section 202.02.

### **2.03: Base Course**

This work consists of furnishing and placing the roadway base, as per plan details (if provided), and in accordance with the applicable sections of the Louisiana Standard Specifications for Roads and Bridges (2016 Edition or latest revisions), unless otherwise specified.

The placement of the road base material shall be confined to the limits of the pavement removal. If, due to the construction operation, the adjacent base material is disturbed adversely, the Contractor shall remove and replace the material, as directed by the Project Manager in consultation with the Jefferson Parish Department of Public Works. This work shall be done at the expense of the Contractor, unless the disturbance is beyond the control of the Contractor.

Density tests will be taken on the roadway base materials in accordance with Jefferson Parish standards, or as directed by the Project Manager and/or Owner. The Contractor shall not be allowed to restore the roadway until the road base material in the trench area meets, or exceeds the following:

Density Requirements (Standard Proctor)

- A. Base Course (stone) - 95%
- B. Sub-Base (sand) - 97%

Stone base material shall comply with the requirements of Section 302 (Class II Base Course) of the Louisiana Standard Specifications for Roads and Bridges (2016 Edition or latest revisions).

Recycled Crushed Portland Cement Concrete will not be acceptable roadway base material.

Sand base material for pavement shall comply with Section 1003.02.01 of the Louisiana Standard Specifications for Roads and Bridges (2016 Edition and latest revisions). The sand base shall be placed in 1' maximum layers and to at least 97% relative density at optimum water content in accordance with ASTM D 1557, or as indicated otherwise.

Prior to installation of the roadway base the contractor shall scarify, shape, and compact the existing roadbed. All work shall be performed in accordance with the provisions of Section 306 of the Louisiana Standard Specifications for Roads and Bridges (2016 Edition and latest revisions), unless otherwise noted in these specifications. Construction for this task shall comply with Section 306.02 of the Louisiana Standard Specifications for Roads and Bridges (2016 Edition and latest

revisions). Until the final pavement is installed, the Contractor shall maintain the compacted roadbed in accordance with Section 306.03 of the Louisiana Standard Specifications for Roads and Bridges (2016 Edition and latest revisions).

#### **2.04: Geotextile Fabric**

Geotextile fabric for roadway base material shall be Class D per Table 1019-1 of Section 1019 of the Louisiana Standard Specifications for Roads and Bridges (2016 Edition and its latest revisions), unless otherwise indicated. Installation of geotextile fabric shall be in strict accordance with manufacturers' instructions and requirements. All overlaps shall be a minimum of 2 (two) feet, except otherwise specified on plans.

The manufacturers data sheet of geotextile fabric along with representative sample, if requested, and a certification shall be submitted to and approved by Project Manager before installation.

a. Proof of Compliance:

The Manufacturer's published catalog specifications data stating that the Items are in compliance with applicable specifications will be acceptable as evidence of compliance.

b. Manufacturer's Certifications:

Certificates of Compliance: the manufacturer shall prepare Certificates when the manufacturer's published data or drawings do not indicate conformance with other requirements of these specifications.

Certified Factory Test Reports: Certified factory test reports shall be submitted when the manufacturer performs routine factory tests normally performed by the manufacturer, including tests required by ASTM standards.

#### **2.05: Backfill Materials**

Soil for backfill and dressing material shall be pumped river sand obtained from the Mississippi River, unless otherwise detailed or specified. Sand backfill material shall be an AASHTO Classification A-4 or better, having a Plasticity Index not to exceed "4", and a liquid not to exceed "25", and shall be free from trash, weeds, large lumps, humus, or any other deleterious matter.

#### **2.06: Asphalt Concrete Pavement Patching, Widening, and Joint Repair**

The work under this section shall conform to Section 510 of the Louisiana Standard Specifications for Roads and Bridges (2016 Edition and its latest revisions), unless otherwise specified. Pavement Patching shall be used when restoring removed sections of existing asphaltic concrete roadway pavement over utility repair trenches



& pipe crossings. The asphaltic roadway pavement patch shall be a minimum of 12" thick, or as otherwise specified.

Any type of asphalt concrete mixture listed in the latest LADOTD standard specification Section 502 can be used for asphalt concrete patching other than 1/2-inch nominal maximum size mixtures. Priming of the subgrade will not be required.

The asphalt mix formula shall be submitted to the Project Manager and Testing Laboratory for approval prior to construction.

For joint repair, use Incidental Paving Asphalt Concrete (Level A) complying with the latest LADOTD standard specification Section 502.

Asphalt tack coat shall comply with the requirement of the latest LADOTD standard specification Section 504.

Equipment shall meet the requirements of the latest LADOTD standard specification Section 503.

Remove existing surfacing and base materials by saw-cutting and perform all required excavation for asphalt concrete patching and widening. Saw-cuts shall be for the full depth of the pavement along the perimeter of the pavement to be removed. Saw-cuts shall be made with a diamond bladed concrete saw for the full depth of patch if patching is performed on the final riding surface. Patching performed on underlying surface can be full depth sawed with a rock saw or milled out with a roto-mill or stabilizer, unless otherwise specified.

The excavated sections for utility repair trench & pipe crossing work under asphaltic concrete pavement shall be backfilled as specified elsewhere in these specifications to the required level prior to the installation of the specified asphalt concrete patching section. The grade of the backfill on which the asphalt concrete patching section is to be placed shall be such as to provide for the installation of the full thickness specified asphalt concrete pavement patch. Prior to placing asphalt concrete pavement patching, the Contractor shall level and compact the backfill on which the patch is to be placed. The asphalt concrete pavement patch shall be placed and rolled as soon as the condition of the backfill is suitable to receive it. The asphalt concrete pavement patch section shall be maintained at no additional cost.

When through traffic is to be maintained, the Contractor shall install the asphalt pavement patching material upon completion of the utility repair and other work as specified by the end of the workday. If unable to furnish the asphalt pavement patch within the limits of a roadway by the end of the workday, with prior approval from the Project Manager and/or Owner, the Contractor shall furnish an approved temporary traffic maintenance aggregate surface as specified herein suitable to maintain traffic at no additional cost. The asphalt pavement patching and/or temporary traffic maintenance aggregate surfacing, if approved, in open areas or trenches shall be filled

and compacted by the end of the day's operations. The temporary aggregate surface shall be removed along with any other material to facilitate furnishing the full section of 12" asphalt concrete pavement patching within 48 hours, or as otherwise approved. The cost for the initial installation and subsequent removal of the temporary aggregate surface and any other material shall be at no expense to the Owner if due to the Contractor's sequencing and/or a result of the contractor's actions.

In some instances, the Parish may request the Contractor mill the asphalt concrete patch section 2" minimum plus 5' minimum (or to edge of pavement) in all directions and install a new asphaltic concrete wearing course surface. The new asphaltic concrete wearing course shall be furnished as specified elsewhere herein. The milling asphalt pavement work shall be performed in accordance with all requirements of the latest LADOTD standard specification Section 509. The cost shall be paid under the respective bid item. If a specific bid item is not included all costs shall be included in the asphaltic concrete bid item.

For joint repair, clean contact surfaces of existing pavement and apply a thin, uniform layer of approved asphalt tack coat prior to placing asphalt mixture in the joint.

Clean abutting edges or contact surfaces of pavement and apply a uniform layer of approved asphalt tack coat to the existing pavement before placement of asphalt concrete. If required do not overlay patches for a minimum of 5 calendar days.

Spread, finish, and compact the asphalt concrete patching leaving a surface smooth and slightly above the edge of existing pavement.

If an asphalt concrete pavement patching area has compacted or settled below the existing grade of the adjacent roadway, the contractor shall place and compact additional asphalt until the patched area is level with the existing grade of the surrounding roadway.

## **2.07: Asphalt Concrete Pavement**

The work under this section shall conform to Section 502 of the Louisiana Standard Specifications for Roads and Bridges (2016 Edition and its latest revisions), unless otherwise specified. Asphaltic concrete pavement includes the furnishing of all labor, materials, and equipment and performance of all asphalt work required for the construction of roadway.

Asphalt concrete mixes shall be Level 1 for wearing and binder courses. An approved asphalt wearing course material can be used in place of a binder course. A binder course asphalt material cannot be substituted where a wearing course is required. All materials shall conform to the requirements of Sections 502, 503, 504, 505, 1002, and 1003 of the Louisiana Standard Specifications for Roads and Bridges (2016 Edition and latest Revisions), or as amended herein.



Asphalt shall be batched, placed, and tested in accordance with the requirements of Sections 502 and 503 of the Louisiana Standard Specifications for Roads and Bridges, (2016 Edition and latest revisions), or as amended herein. The asphalt mix formula shall be submitted to the Project Manager and Testing Laboratory for approval prior to construction.

Equipment shall meet the requirements of the latest LADOTD standard specification Section 503.

Asphalt tack coat shall comply with the requirements of the latest LADOTD standard specification Section 504. Prime coat shall comply with the requirements of the latest LADOTD standard specification Section 505.

Asphalt courses shall be laid to the established grades and after application of prime coat to the compacted base course. Clean abutting edges or contact surfaces of pavement and apply a uniform layer of approved asphalt tack coat to the existing pavement before placement of asphalt concrete.

Dimensional, density, and material requirements and associated pay adjustments shall be as specified in the Louisiana Standard Specifications for Roads and Bridges (2016 Edition and latest revisions).

If the final asphaltic concrete pavement section has compacted or settled, the contractor shall place and compact additional asphalt until the area is at the required final finished grade of the roadway.

## **2.08: Portland Cement Concrete Pavement**

All construction under this section shall conform to Section 601 of the Louisiana Standard Specifications for Roads and Bridges (2016 Edition and its latest revisions), or as amended herein, and per Parish standards.

The permanent concrete roadway pavement shall be unreinforced high-early strength Portland cement concrete. Concrete roadways shall be 7" thick minimum for minor streets and 9" thick for major streets, or otherwise as specified or directed. If the removed existing section exceeds 9" thick, the restored pavement section shall match the existing thickness. The excavated sections for utility repair trenches shall be backfilled as specified elsewhere in these specifications to the required level prior to the installation of the permanent concrete surface.

Materials shall be in accordance with the requirements of Section 601 and Section 901 of the Louisiana Standard Specifications for Roads and Bridges (2016 Edition and its latest revisions). Concrete shall be Class A high early strength, attaining 4,000 PSI compressive strength in three (3) days, unless otherwise directed. The pavement shall not be opened to traffic until a compressive strength of 4,000 psi is attained, and in no case shall the pavement be opened to traffic within a three (3)

day period after the concrete has been placed.

Joints for the paving shall be in accordance with the Jefferson Parish standard details. All joints in roadway surface shall be cleaned prior to the installation of joint sealers. Use polyurethane polymer joint sealers in accordance with section 1005.02 of the Louisiana Standard Specifications for Roads and Bridges (2016 Edition and its latest revisions).

The following items shall be submitted for approval prior to construction:

- a) Concrete Mix Design
- b) Technical data on joint material

Portland Cement Concrete for roadway pavement and curbs shall have a 2-inch to 4-inch slump. The use of Fly Ash in the mix **will not** be permissible.

In lieu of a profilograph, the Contractor shall furnish a 10-foot metal straight edge to test transverse cross slope and longitudinal slopes and grades. Any bump which is more than  $\frac{1}{4}$  inch in 10 feet transverse or longitudinal) when tested with the 10 foot metal straight edge shall be considered a deficiency and shall require correction in accordance with the Section 601 of the Louisiana Standard Specifications for Roads and Bridges (2016 Edition and its latest revisions),

The final roadway surface finish shall be a "Drag Finish", as defined in the Louisiana Standard Specifications for Roads and Bridges (2016 Edition and its latest revisions), or as otherwise directed by the Department of Engineering and/or Department of Sewerage.

If the final concrete roadway pavement section has compacted or settled or damaged as a result of the contractor's operations, the contractor shall remove any compromised panels from joint to joint, inclusive of the base materials, and replace the same to the final finished grade of the roadway in accordance with the specifications.

## **2.09: Traffic Maintenance Surfacing**

Until permanent roadway and other pavement surfacing is restored, traffic maintenance surfacing shall be satisfactorily placed, shaped, compacted, and maintained by the Contractor. The work associated with asphalt (hard) and aggregate traffic maintenance surfacing for the maintenance of vehicular and pedestrian traffic shall be performed in accordance with the provisions of Section 402 of the Louisiana Standard Specifications for Roads and Bridges (2016 Edition and its latest revisions), unless otherwise specified.

Mainline traffic maintenance asphalt (hard) surfacing shall be furnished and constructed for the maintenance of traffic for removed paved roadway sections, shoulder areas, and parking locations as required for roadway and other required

utility (i.e., waterline facilities, sewer line facilities, and drain line facilities) work until the removed pavement sections are permanently restored as specified. Any type of asphalt concrete mixture listed in the latest LADOTD standard specification Section 502 can be used for mainline traffic maintenance (hard) surfacing materials, unless otherwise specified. The asphalt (hard) traffic maintenance surfacing shall be a minimum of 6" thick, or as otherwise specified or directed. The temporary asphalt (hard) surfacing shall be placed upon the removal of the existing paved area and completion of the utility repair and other work below the surface. The temporary asphalt (hard) surfacing shall be maintained as needed at no additional pay to provide a smooth surface. (Note: Refer to the Asphalt Concrete Pavement Patching section regarding restoration of removed asphaltic concrete pavement within the limits of a roadway.)

Temporary asphalt surfacing shall be marked "TEMPORARY" in bright yellow paint, unless otherwise directed.

Should the Contractor's sequence of construction not allow for the furnishing temporary asphalt (hard) surfacing, with prior approval from the Project Manager and/or Owner, the Contractor shall furnish a temporary traffic maintenance aggregate surface as specified herein at a minimum thickness equal to the temporary asphalt (hard) surfacing section at no additional cost. The temporary aggregate surface shall be removed, and a temporary asphalt (hard) surface shall be placed within 48 hours, or as otherwise approved. The cost for the initial installation and subsequent removal of the temporary aggregate surface shall be at no expense to the Owner if due to the Contractor's sequencing and/or a result of the contractor's actions.

Temporary aggregate surfacing (#57 limestone or as otherwise approved) shall be furnished to provide temporary vehicular and pedestrian traffic access outside the roadway limits, unless otherwise specified. Temporary hard (asphalt) surfacing may be required in lieu of temporary aggregate surfacing for some business and/or residential access drives, and other special circumstances, at the discretion of the Owner and/or Project Manager. Temporary aggregate surfacing outside the roadway limits for parking areas, drives, other and incidental concrete paving sections shall be a minimum of 6" thick, or as otherwise directed. For sidewalks, a minimum of 4" thick of temporary aggregate surface can be placed, unless otherwise indicated or directed.

The aggregate used for traffic maintenance surfacing shall be measured at the point of delivery in accordance with the applicable pay item. Aggregate materials shall be delivered on site in approved hauling vehicles in accordance with sub-section 109.01 of the Louisiana Standard Specifications for Roads and Bridges (2016 Edition and its latest revisions). The Contractor shall maintain all corresponding haul tickets and submit the same with pay requests or upon request.

In some instances, such as at major intersections and critical locations, a greater thickness may be ordered for temporary surfacing locations.

The excavated sections for utility repair trenches and locations with required structure (i.e., manholes, etc.) rehabilitation work, and other required work, shall be backfilled as specified elsewhere in these specifications to the required level prior to the installation of the specified temporary surfacing and any required base materials. Any excess material required to be removed to facilitate the permanent paving restoration shall be removed, transported, and disposed off-site at no direct payment.

The grade of the backfill on which the temporary surfacing is to be placed shall be such as to provide for the installation of the full thickness of temporary surfacing specified. The temporary surface shall be placed, rolled, maintained, and removed and disposed of by the Contractor. Prior to placing any temporary surfacing, the Contractor shall level and compact the backfill on which the surfacing is to be placed. Temporary resurfacing shall be placed as soon as the condition of the backfill is suitable to receive it and shall remain in place until such time the permanent paving is restored.

All temporary asphalt (hard) surfacing and/or temporary aggregate surfacing shall be maintained, filled, and compacted by the end of the day's operations at no additional pay to maintain a safe, passable vehicular and/or pedestrian travel way. The Contractor is responsible for ensuring positive drainage at all temporary surfacing locations.

The permanent paving restoration shall be furnished and installed approximately 30 calendar days after the initial paving removal and other subsurface work is complete, unless due to unforeseen circumstances at no fault of the Contractor's actions. The permanent paving for removed paved areas shall be performed using the required pavement type and to the minimum required thickness, or to match the pre-existing thickness if greater, in accordance with the plans and details (if provided) and the latest applicable Parish and/or LADOTD standards, unless otherwise stated in these specifications or directed by the Project Manager and/or Owner. All subsurface materials shall be properly prepared and compacted as required prior to installation of the final permanent paving.

Unless otherwise directed, previously placed temporary aggregate surface material removed to facilitate construction activities shall be stockpiled in the immediate area and reused for temporary ramps and surfacing as many times as is practical, at "No Direct Pay". New aggregate surfacing material shall be utilized only with prior approval.

When temporary ramps and surfacing is no longer necessary for maintenance of traffic, the Contractor shall remove the material from the project and properly dispose of it in accordance with latest edition of the LADOTD standard specification Section 202 at "No Direct Pay". This material shall not be used in any other portion of the project without the expressed, written consent.

Refer to the other appropriate specification sections for the permanent restoration of removed concrete and asphaltic concrete roadway pavement and the permanent paving for drives, walks, handicap curb ramps, incidental paving, and other miscellaneous surfaces.

Drives and access points to residences and businesses outside of roadways in the immediate construction area by way of temporary aggregate ramps and aggregate surfacing shall be established at the end of each workday. Temporary aggregate surfacing shall also be provided by the end of each workday for removed sidewalk sections. No disturbed paved areas shall remain open over a weekend or holiday period. No residential or business properties shall be left inaccessible overnight. If necessary during construction in an area the contractor shall provide temporary access for impacted residential & business properties.

If the temporary surfacing has compacted or settled below the existing grade of the surrounding grades, the contractor shall place and compact additional surface material until level with the existing surrounding grades.

## **2.10: Curbs, Gutters, Walks, Drives, Incidental Paving, & Miscellaneous**

### **A. Curbs & Gutters**

The work to furnish and construct curbs and gutters shall be performed in accordance with the provisions of Sections 706 & 707 of the Louisiana Standard Specifications for Roads and Bridges (2016 Edition and latest revisions), unless otherwise specified.

All work to furnish curbs & gutters shall be performed in accordance with the provisions of Section 707 of the Louisiana Standard Specifications for Roads and Bridges (2016 Edition and latest revisions), unless otherwise specified.

Materials for curbs and gutters shall be concrete and must comply with Section 707.02 of the Louisiana Standard Specifications for Roads and Bridges (2016 Edition and latest revisions). Concrete for curbs & gutters shall be high early strength, attaining 4,000 PSI compressive strength in three (3) days, unless otherwise directed.

Curbs and gutters are to be constructed in accordance with the Jefferson Parish Standard Details, or otherwise indicated. Existing catch basin and other structure tops (including frame and grate) not included the project scope shall be adjusted to match the finished gutter line at no direct pay. Modified (depressed) curbs and curb transitions required shall be considered included in the respective curb & gutter pay items.

There will be no direct payment for the removal of curb which is attached to and removed with the roadway surface.



Typically, any removed curbs & gutters are to be restored in-kind (type, section, material, etc.) with the pre-existing. If the permanent curb & gutter is unable to be installed or not required to be installed as part of the current work, the contractor shall install temporary asphalt curbing (barrier or mountable) in accordance with the Parish Standard Detail sheet. The installation and subsequent removal of temporary asphalt curbs & gutters shall be at no direct cost, unless otherwise specified. All associated costs shall be considered incidental and included in the respective patching or and/or traffic maintenance surfacing bid item.

#### B. Walks, Drives & Incidental Paving

All work to furnish concrete walks, drives, and incidental paving, including handicap ramps shall be performed in accordance with the provisions of Section 706 of the Louisiana Standard Specifications for Roads and Bridges (2016 Edition and latest revisions), unless otherwise specified.

Tie-ins of existing concrete shall be made by full depth sawing at no direct pay.

Materials shall comply with Subsection 706.02 of the Louisiana Standard Specifications for Roads and Bridges 2016 Edition and latest revisions). Select material obtained from excavation, subject to the approval of the Project Manager, or granular backfill material shall be used as base material to meet finished grades at no direct pay.

Walks, drives, and incidental paving, including handicap ramps are to be constructed in accordance with the Jefferson Parish Standard Details, or otherwise indicated. Existing catch basin and other structure tops (including frame and grate) not included the project scope shall be adjusted to match the finished grade at no direct pay.

All measurements for handicap curb ramps shall be according to Jefferson Parish Standard Plan "Curb Ramp for the Handicapped". Handicapped Curb Ramps are subject to the price adjustment provisions of Section 901 of the Louisiana Standard Specifications for Roads and Bridges 2016 Edition and latest revisions). Handicap curb ramps shall have a (24"x48") (Reddish "Terra Cotta" color) raised truncated dome per ADA Guidelines visually contrasting to adjoining surfaces. The detectable warning surface shall be set in concrete as it is curing/wet.

#### C. General / Miscellaneous

If not otherwise shown or indicated construction of walks, drives, handicap curb ramps, and other incidental paving shall be at least equal in respect to that of the structures removed as part of the work. Brick, stone, and wash gravel drives and walks shall be paid under the respective pay items. Shell, brick, stone, gravel, and other surfaces impacted by current project work without a specific pay item shall be restored at no cost to the Owner.

## **2.11: Testing Requirements**

All material and construction testing shall be in accordance with the latest edition of the Louisiana Standard Specifications for Roads and Bridges, unless modified herein, or indicated elsewhere.

### Asphalt Roadways:

- (a) One base thickness verification per 600 square yards or fraction thereof.
- (b) One density test on the sub-base (if applicable) and base material per 600 square yards or fraction thereof.
- (c) One pavement core for the thickness verification per 600 square yards or fraction thereof.

### Concrete Roadways:

- (a) One slump test minimum per 100 cubic yards (accumulated volume) of concrete or fraction thereof.
- (b) Four (4) cylinders minimum per 100 cubic yards (accumulated volume) of concrete or fraction thereof. For projects with continuous, large areas of concrete pavement to be placed, at the discretion of the Project Manager, a minimum of four (4) cylinders may be taken for each day's pour. One (1) cylinder shall be broken at one (1) day, one (1) at three (3) days, and two (2) at twenty-eight (28) days.
- (c) Independent densities, slumps, cylinders, cores, etc., will be required for isolated areas.

All initial testing shall be performed by the Parish's testing laboratory and at the Parish's expense. All costs for testing to determine compliance after the initial tests shall be borne by the Contractor and deducted from payments due the Contractor. The total deductions for testing costs to be paid by the Contractor will be included in the reconciliation of final quantities. The Contractor is also responsible for all costs for canceled or rescheduled tests.

There shall be no adjustment in bid prices for pavement thickness deficiencies. If the concrete core is less than specified, two additional cores on the same slab within a five-foot (5') radius must be taken. If one of these cores is less than specified, then the entire panel (joint to joint) must be removed, additional cores on other adjacent panels within the core range (600 square yards) must be taken, and the same procedure followed.

## **2.12: Use of Wire Mesh**

Wire mesh or rebar shall be used in the replacement of sidewalks, driveways, handicap curb ramps, and other incidental paving, if it existed in the removed sections. The size and type used shall, at a minimum, be equal or better than that removed.



There shall be no additional payment for pavement reinforcement or the use of wire mesh, unless otherwise provided for herein.

**2.13: Cleaning for Acceptance of Street**

Prior to acceptance, the Contractor shall be required to clean up any street as a result of construction activity, as directed by the Owner and/or Project Manager at no direct cost.

## **SECTION 04210 BRICKWORK**

### **Part 1 - General**

#### **1.01: Scope of Work**

- A) The Contractor shall furnish all labor, materials, equipment, and incidentals necessary to complete all brickwork, as shown on Jefferson Parish drawings and/or specified herein. This shall include, but not be limited to, brick manhole repair in manholes, adjusting grade for manhole frames and covers, and any miscellaneous uses, as directed by the Project Manager.
- B) The Contractor will only be allowed to use brick manholes when constructing a "dog house" type manhole, or when otherwise directed by the Project Manager.

### **Part 2 - Products**

#### **2.01: Materials**

- A) Cement shall be domestic Portland cement, conforming to ASTM Designation C-150, Type II.
- B) Lime for mortar shall be hydrated, conforming to ASTM Designation C-207, Type S.
- C) Sand shall be clean, sharp, durable particles, preferable siliceous, and with not more than five percent (5%) in volume of loam, mica, clay, or other harmful substances, and free from injurious amounts of organic matter. The sand shall be graded from fine to coarse so that, when tested dry, it will conform to the limits of ASTM Specification for Aggregate for Masonry Mortar C-144. Sand for grout shall be such size that when dry, one-hundred percent (100%) shall pass a No. 200 sieve, and not over five percent (5%) by weight shall be retained on a No. 100 sieve.
- D) Water shall be free from injurious amounts of oils, acids, alkalis, or organic matter, and shall be clean and fresh.
- E) Brick shall be sound, hard, uniformly burned, regular, of standard sewer brick size, uniform in shape and size, of compact texture, and satisfactory to the Project Manager. Bricks shall comply with the AASHTO M 91, Manhole Brick, Grade MM.

### **Part 3 - Execution**

#### **3.01: Installation**

- A) Mortar shall consist of 1 part cement, 3 parts sand, and hydrated lime, not to exceed ten percent (10%) of the weight of cement used. It shall be mixed only in such

quantity as may be required for immediate use, and shall be used before the initial set has taken place. Mortar shall not be retained for more than 1-1/2 hours, and shall be constantly worked over with hoe or shovel until used. Prepared mortar shall not be allowed to stand in beds during the noon hour, or overnight. It must be mixed in the exact proportions specified herein. Approximate measurement of quantities will not be permitted.

- B) Antifreeze mixtures will not be allowed in the mortar.
- C) Bricks shall be cleaned and thoroughly wet shortly before they are put into the work, and each brick shall be laid in a full bed and joint of mortar, without requiring subsequent grouting, flushing, or filling. Joints between bricks shall not exceed 1/2 inch and shall be pointed. Bricks forming the shaped inverts in manholes shall be laid on edge, as shown on the details.

### **3.02: Testing**

Brick manholes shall be visually inspected by the Project Manager. All leaks discovered by the inspection shall be repaired by the Contractor at no additional cost to the Owner.

**PUBLIC WORKS BID INSTRUCTIONS**

**A. LOUISIANA CONTRACTOR'S LICENSE FOR THIS PROJECT**

**Must be in the following category:**

Municipal and Public Works Construction

Each bidder shall comply with all rules and regulations of the Louisiana State Licensing Board for Contractors in accordance with existing state laws, and shall comply with the Licensing Requirements of Jefferson Parish Ordinance No. 13574, as amended a copy of which may be obtained from the Office of the Parish Clerk, Suite 6700, Jefferson Parish General Government Building, 200 Derbigny Street, Gretna, Louisiana 70053.

**B. PROBABLE CONSTRUCTION RANGES AND PRICES**

Range of the Probable Construction Cost for Base Bid: \_\_\_\_\_

Range of the Probable Construction Cost for Alternate No. 1: \_\_\_\_\_

Range of the Probable Construction Cost for Alternate No. 2: \_\_\_\_\_

Range of the Probable Construction Cost for Alternate No. 3: \_\_\_\_\_

Range of the Previous Contract Cap  
(Public Work Maintenance Contract): \$5,000,000 - \$7,500,000

The purpose and intention of this invitation to bid is to afford all suppliers/contractors an equal opportunity to bid on construction, maintenance, repair, operating, services, supplies and/or equipment listed in this bid proposal. Jefferson Parish will accept one bid only from each vendor. Items bid on must meet or exceed specifications. Where brand names, make, manufacturer or stock numbers are specified, it is for the purpose of establishing certain minimum standards of quality. Bidders may submit for products of equal quality, style, type and character, provided brand names and stock numbers are specified. Complete product data may be required prior to award.

The price quoted for the work shall be stated in figures. In the event there is a difference in unit prices and totals, the unit prices shall prevail. In the event there is a difference in unit prices, written unit prices shall prevail over numerical unit prices.

The quantities listed on the bid form are prepared for comparison of bids and may be approximate. Payment to the contractor will be made in accordance with measurement and payment requirements for bid items and other requirements of the project specifications. Bid item quantities may be increased, decreased, or omitted as provided in the specifications.

Jefferson Parish requires all products to be new (current), and all work must be performed according to standard practices for the project. Unless otherwise specified, no after market parts will be accepted. Unless otherwise specified, all workmanship and materials must have at least a one (1) year guaranty, in writing, from the date of delivery/acceptance of the project.

## **C. METHODS OF BID SUBMISSION**

All bids shall be submitted electronically through Jefferson Parish's eProcurement System online at no charge via Jefferson Parish's electronic procurement page by visiting [www.jeffparishbids.net](http://www.jeffparishbids.net). Registration and use of this site are free to Jefferson Parish vendors. Additional instructions are included in the text box highlighting electronic procurement.

Only bids properly signed (see more below) will be accepted. **NO LATE BIDS WILL BE ACCEPTED.** The name of the bidder must be legibly shown. If the bidder is an individual, their name and address should be shown. If the bidder is an entity, the name of the person given the requisite authority to submit the bid on behalf of the entity shall be shown and the address of the entity's place of business should be shown.

Evidence of agency, corporate, limited liability or partnership authority of the person submitting and signing the bid is required for submission of bid. A copy of a corporate resolution or other signature authorization shall be required for submission of the bid. Failure to include a copy of the appropriate signature authorization will result in the rejection of the bid unless bidder has complied with LSA-R.S. 38:2212(B)(5). Photostatic or font signatures shall result in the bid being rejected. However, an electronic signature as defined in LSA-R.S. 9:2602(8) is acceptable. Signature must be a secured digital signature. A sample corporate resolution and sample certification of sole proprietorship can be downloaded from the Jefferson Parish Purchasing Department's website <http://purchasing.jeffparish.net>, or you may provide your own document.

## **D. TIMELINES**

### **1. Prior to the closing time for receipt of scheduled bids**

A bid may be withdrawn at any time prior to the scheduled closing time for receipt of bids, provided a request in writing, executed by the bidder or his duly authorized representative, is filed with the Parish prior to that time. When such a request is received, the bid will be returned to the bidder unopened. However, no bid can be modified, corrected or withdrawn after the time set for closing such bid, except as provided by LSA-R.S. 38:2214(C) & (D).

The Parish, its engineers, architects or anyone distributing plans and specifications for Parish public work projects, equal to or over the contract limit as defined in LA-R.S. 38:2212, shall furnish all prime bidders who request bid documents and who are properly licensed by the Louisiana State Licensing Board for Contractors with at least one set of complete bid documents. A deposit or fee may be charged on the documents as authorized by LA-R.S. 38:2212.

Addenda may be issued, as authorized by LA-R.S. 38:2212 (O). All formal Addenda require written acknowledgment on the bid form by the bidder. Failure to acknowledge an Addendum on the bid form shall cause the bid to be rejected. Jefferson Parish reserves the right to award the bid to the next lowest responsive and responsible bidder in this event.

Prior to submitting a bid each bidder shall visit the site of the proposed work and fully acquaint himself with all surface and subsurface conditions as they may exist so that he may fully understand the facilities, difficulties, and restrictions attending the execution of the work under this Contract. Bidders shall also thoroughly examine and be familiar with Drawings, Specifications, and Contract Documents. The failure or omission of any bidder to receive or examine any form, instrument, drawing, or document or to visit the site and acquaint himself with conditions there existing, shall in no way relieve any bidder from any obligation with respect to

his bid and the responsibility in the premises rests with him. Submission of a bid shall be considered prima facie evidence that the bidder has made such examination and is satisfied as to the conditions to be encountered in performing the work and as to requirements of the plans, project specifications, Resolution No. 141125, as amended, and contract forms.

Any pre-bid test and boring data in connection with subsurface conditions which have been completed by the Parish or its engineers and furnished to the bidder shall not be considered as fully representative of subsurface conditions existing throughout the area tested nor shall they in any way be binding upon the Parish, it being understood that said data is furnished the bidder for his convenience only and the bidder shall be solely responsible for conducting his own boring explorations he deems necessary in preparing his bid. Any prospective bidder wishing to conduct boring explorations on Parish property must obtain written permission from Jefferson Parish prior to such explorations.

No claims shall be made against the Parish for additional compensation due to unforeseen subsurface conditions arising during progress of the work and which might be in variance with the Parish's pre-bid boring data.

## **2. Post-closing time for receipt of scheduled bids**

Except as where provided by law, bidder agrees that this bid shall be legally binding and may not be withdrawn for a period of forty-five (45) calendar days after the scheduled closing time for receiving bids. In the event the Parish issues the Letter of Award (copy of adopted resolution awarding bid by Jefferson Parish Council) during this period, the bid accepted shall continue to remain binding pending execution of the Contract.

Bidder agrees to execute the ensuing Contract and will deliver applicable Bonds to secure the faithful performance thereof.

The Parish of Jefferson reserves the right to cancel this contract for convenience by issuing a thirty (30) day written notice to contractor.

## **E. BID REVIEW AND AWARD**

### **1. Rejection of Bids**

- a. Jefferson Parish may reject any and all bids for just cause in accordance with LA R.S. 38:2214(B). Just cause, for the purpose of the construction of public works, is defined, but is not limited to, the following circumstances:
  - (1) The public entity's unavailability of funds sufficient for the construction of the proposed public work.
  - (2) The failure of any bidder to submit a bid within an established threshold of the preconstruction estimates for that public work, as part of the bid specifications.
  - (3) A substantial change by the public entity prior to the award in the scope or design of the proposed public work.
  - (4) A determination by the public entity not to build the proposed public work within twelve months of the date for the public opening and reading of bids.
  - (5) The disqualification by the public entity of all bidders.

- b. Additionally, bids may be considered irregular and be rejected for any of the following, but is not limited to the following circumstances:
  - (1) If the bid form is on a form other than that furnished by the Parish or if the form is altered or any part thereof is detached.
  - (2) If affidavits included in bid form and/or required by law are not returned with the bid or are not properly executed and notarized.
  - (3) If there are unauthorized additions, conditional or alternate bids or irregularities which alter the general terms and conditions, the plans or specifications, or make the bid incomplete, indefinite, or ambiguous as to its meaning.
  - (4) If the bidder adds provisions reserving the right to accept or reject the award or to enter into the contract pursuant to the award.
  - (5) If an owner or a principal officer of the bidding firm is an owner or a principal officer of a firm which has been declared by the Parish to be ineligible to bid.
  - (6) If the proposed bid security does not meet the requirements of Section J.
  - (7) If more than one proposal for the same work, services, materials or supplies is received from an individual, partner, firm, corporation, joint venture, other legal entity, or combination thereof under the same or a different name.
  - (8) The bid is not properly signed or the authority of the signature person submitting the bid is deemed insufficient or unacceptable.
  - (9) If the bidder does not possess the proper license(s) required as noted in the specifications.
  - (10) Any other reasons for rejection set forth by State or Parish laws, Ordinances or Resolutions.
  
- c. In awarding contracts for materials and supplies, Jefferson Parish shall reject the lowest bid if received from a bidder domiciled in a Communist country, or if the materials or supplies are manufactured in a Communist country, including but not limited to China, North Korea and Vietnam, and to award the contract to the next lowest bidder. This Section shall not apply to any country having established trade relations agreements or approvals from the government of the United States. (LSA-R.S. 38:2212.3)

**2. Disqualification of Bids**

- a. The causes for disqualification from consideration for award of a contract with Jefferson Parish are as follows (Jefferson Parish Code of Ordinances, Section 2-912):
  - (1) Conviction for commission of a criminal offense as an incident to obtaining or attempting to obtain a public or private contract or subcontract, or in the performance of such contract or subcontract;
  - (2) Conviction under state or federal statutes of embezzlement, theft, forgery, bribery, falsification or destruction of records, receiving stolen property, or any other offense indicating a lack of business integrity or business honesty which currently, seriously, and directly affects responsibility as a Parish contractor;
  - (3) Conviction under state or federal antitrust statutes arising out of the submission of bids or proposals;
  - (4) Violation of contract provisions, as set forth below, of a character which is regarded by the Purchasing Director or his designee for Jefferson Parish to be serious as to justify disqualification:
    - i. Deliberate failure without good cause to perform in accordance with the specifications or within the time limit provided in the contract; or



- ii. A recent record of failure to perform or of unsatisfactory performance in accordance with the terms of one or more contracts; provided that failure to perform or unsatisfactory performance caused by acts beyond the control of the contractor shall not be considered to be a basis for disqualification; or
    - iii. Failure to timely pay, without cause, a subcontractor for work performed under a construction contract as required under Section 2-976 in Chapter 2, Article VII, of the Jefferson Parish Code of Ordinances, provided disqualification on such basis shall not exceed a period of one (1) year from the deadline to pay the subcontractor.
  - (5) Any other cause the Purchasing Director determines to be so serious and compelling as to affect responsibility as a Parish contractor, including debarment by another governmental entity for any cause;
  - (6) Violation of the State Code of Ethics or the ethical standards set forth in the Jefferson Parish Code of Ordinances;
  - (7) Failure to secure and/or maintain necessary licenses and/or permits;
  - (8) Failure to comply with the Jefferson Parish Code of Ordinances and/or the Jefferson Parish Comprehensive Zoning Ordinance; or failure to comply with or meet bid specifications and/or failure to be a responsible bidder.
  - (9) A bid which is not responsive to, or does not meet bid specifications, will be rejected as being non-responsive, but that bidder will not be disqualified from future Parish bids, nor will that bidder be given a hearing pursuant to procedure listed below.
- b. The procedures for disqualification from consideration for award of a contract with Jefferson Parish are set forth in Sec. 2- 912 (b).

### **3. Award of Contract**

The award of the contract, if it be awarded, will be by the Parish to the lowest responsive and responsible bidder whose proposal shall have complied with all the bid requirements. The successful bidder will be notified via the e-Procurement site that his bid has been accepted. No contract shall be executed with any contractor until their certificates of insurance, performance bonds, labor and materials payment bonds, or any other bonds required are made satisfactory to the Parish.

Jefferson Parish reserves the right to award contracts or place orders on a lump sum or individual item basis, or such combination as shall, in its judgment, be in the best interest of Jefferson Parish. Every contract or order shall be awarded to the lowest responsible bidder, taking into consideration the conformity with the specifications, and the delivery and/or completion date.

Preference will be given to bidders requesting a preference in their bid in accordance with LSA-R.S. 38:2251-2261 for materials, supplies, and provisions, produced, manufactured or grown in Louisiana, quality being equal to articles offered by competitors outside the State of Louisiana, unless federal funding is directly spent by Jefferson Parish on this project.

The successful bidder shall execute the contract with the Parish in the form of the contract included in the specifications, a copy of which is annexed hereto, in such number of counterparts as the Parish may request within twelve (12) days after receipt of notice of award of the contract by the Parish. One copy of the executed contract with all documents forming a part thereof shall be filed at the expense of the contractor, with the Recorder of Mortgages in Jefferson Parish.

**PROTESTS:** Only those vendors that submit bids in response to this solicitation may protest any element of the procurement, in writing to the Director of the Purchasing Department. Written protest must be received within 48 hours of the release of the bid tabulation by the Purchasing Department. After consultation, the Parish Attorney's Office will then respond to protests in writing. (For more information, please see Chapter 2, Article VII, Division 2, Sec. 2-913 of the Jefferson Parish Code of Ordinances.)

**Upon full execution of the contract and receiving a written notice to proceed, the bidder agrees that all work shall be completed as follows:**

**The work shall be substantially complete within N/A calendar days of the written notice to proceed and completed and shall be ready for final acceptance no more than 30 calendar days after substantial completion.**

**F. SALES TAX EXEMPTION**

For this project, the contractor shall not pay any state or local sales or use taxes on materials and equipment which are affixed and made part of the immovable property of the project or which is permanently incorporated in the project (hereinafter referred to as "applicable materials and equipment"). All purchases of applicable materials or equipment shall be made by the contractor on behalf of and as the agent of Jefferson Parish (Parish), a political subdivision of the State of Louisiana. No state and local sales and use taxes are owed on applicable materials and equipment under the provisions of Act 1029 of the 1991 Regular Session – Louisiana Revised Statute 47:301(8)(c). Parish will furnish to contractor a certificate form which certifies that Parish is not required to pay such state or local sales and use taxes, and contractor shall furnish a copy of such certificate to all vendors or suppliers of the applicable materials and equipment, and report to Parish the amount of taxes not incurred.

**G. LIQUIDATED DAMAGES**

In accordance with Resolution No. 141125, as amended, Bidder agrees to pay, as liquidated damages, the sum of \$ 500.00 for: (1) each consecutive calendar day after the agreed date of substantial completion that the work remains substantially incomplete, and (2) each consecutive calendar day after the 30th day following the actual date of substantial completion that the work has not been finally completed.

In addition to, but not in lieu of the per diem liquidated damages, Parish shall also be entitled to recover from the contractor or the contractor's surety additional liquidated damages as detailed in Resolution No. 141125, as amended. These additional liquidated damages may include, but are not limited to the following, in the amounts and for each of the items identified in the Supplementary Conditions:

(1) Extended Architectural and/or Engineering Fees	\$ <u>221.49</u> /hour
(2) Extended Resident Project Representative Fee	\$ <u>104.45</u> /hour
(3) Extended Construction Management Fees	\$ <u>1,771.52</u> /day
(4) Extended Parish's Overhead and Personnel Expenses	\$ <u>265.00</u> /hour

- (5) Parish's Other Costs Directly Related to the Delay in Completion Beyond the Contract Times.

Whenever contractor's work requires inspections in excess of the budgeted amount for inspection, the contractor shall reimburse the Parish for the additional costs incurred by the Parish attributable to inspection of the contracted project in excess of the budgeted amount for inspections.

The reasonable budget for such inspections is \$ 200,000.00. Resident Project Representative overtime rates shall be calculated at 1.2 times the hourly rate. The cost of inspection in excess of this budgeted amount shall be assessed against Contractor's progress payments, all in accordance with Louisiana Public Bid Law.

#### H. ETHICAL STANDARDS AND COOPERATION WITH THE OFFICE OF THE INSPECTOR GENERAL, INCLUDING CONFLICTS OF INTEREST

Vendor agrees by bid submission to comply with all provisions of Louisiana Law as well as compliance with the Jefferson Parish Code of Ordinances, Louisiana Code of Ethics, as published on <http://ethics.la.gov> and applicable Jefferson Parish ethical standards and Jefferson Parish Terms and Conditions.

Inspector General: It shall be the duty of every Parish officer, employee, department, agency, special district, board, and commission; and the duty of every contractor, subcontractor, and licensee of the Parish, and the duty of every applicant for certification of eligibility for a Parish contract or program, to cooperate with the Inspector General in any investigation, audit, inspection, performance review, or hearing pursuant to JPCO 2-155.10(19). Every Parish contract and every bid, proposal, application or solicitation for a Parish contract, and every application for certification of eligibility for a Parish contract or program shall contain a statement that the corporation, partnership, or person understands and will abide by all provisions of JPCO 2-155.10. By submitting a bid, Bidder acknowledges this and will abide by all provisions of the referenced JPCO.

Conflicts of Interest: Jefferson Parish adheres to the Louisiana Code of Governmental Ethics, contained in Louisiana Revised Statutes Annotated, R.S. 42:1101, et seq. Vendor/Proposer by this submission warrants that there are no "conflicts of interest" related to this procurement that would violate applicable Louisiana Law. Violation of the Louisiana Code of Governmental Ethics may result in rescission of contract, permit or licenses, and the imposition of fines and/or penalties, without contractual liability to the public in accordance with applicable law.

#### I. REQUIRED AFFIDAVITS

For convenience, all legally mandated affidavits have been combined into one form, entitled **Public Works Bid Affidavit**. All bidders must submit with their bid submission, a completed, signed and properly notarized affidavit in its original format and without alteration in order to be compliant and for the bid to be considered responsive. A scanned copy of the completed, signed and properly notarized affidavit may be submitted with the bid; however, the successful bidder must submit the original affidavit in its original format and without material alteration prior to, or at contract execution. Failure to comply will result in the bid submission being rejected as non-responsive. The Parish reserves the right to award bid to the next lowest responsive and responsible bidder in this event.

The person submitting the bid, and whose authority to submit has been evidenced on the Corporate Resolution is the proper party to execute the **Public Works Bid Affidavit**.

**J. BID REQUIREMENTS (BID DOCUMENTS, SPECIFICATIONS, BONDS, W-9 AND PAYMENT INFO)**

Bidders must review the bid specifications and include any required documentation including but not limited to the LA Public Works Uniform Bid Form, Bid Security, Corporate Resolution or written evidence of signature authority, and the Public Works Affidavit. Pursuant to LA R.S. 38:2212(B)(3)(b), bidders shall also be responsible for providing any other documentation as required. Please note that the payment and performance bonds must be supplied by the successful bidder at contract signing.

No oral interpretation will be made to any bidder as to the meaning of the drawings, specifications, or contract documents. Every request for such interpretation shall be made in writing and addressed and forwarded to the Engineer, Architect or person distributing plans and specifications. No inquiry received within five (5) days prior to the day fixed for opening of the bids will be given consideration. Every interpretation made to the bidder shall be in the form of an addendum to the specifications and shall be issued as authorized by LA-R.S. 38:2212(O).

All such addenda shall become a part of the contract documents. Failure of any bidder to receive any such interpretation shall not relieve any bidder from any obligation under his bid as submitted without modification.

The specifications and plans are complementary of each other and all work called for or reasonably implied by either shall be performed as if called for by both. In case of conflict between the requirements of the specifications and plans, the specifications shall take precedence. Figured dimensions shall take precedence over scale dimensions, and larger scale details shall take precedence over smaller scale details in the general work drawings.

All vendors submitting bids shall register as a Jefferson Parish vendor, if not already registered. Registration forms may be downloaded from <http://purchasing.jeffparish.net> and click on Vendor Information. Current W-9 forms with respective Tax Identification numbers and vendor applications may be submitted at any time; however, if your company is not registered and/or a current W-9 form is not on file, vendor registration is mandatory. Vendors may experience a delay in payment if your company is not a registered vendor with Jefferson Parish.

Bidders must comply with all provisions of this Notice, the Standard General Conditions of the Construction Contract and any special conditions and specifications contained herein, all of which are made part of this bid proposal. Resolution No. 141125, as amended, will be considered a part of the bid whether attached or not. A copy of these terms and resolutions may be obtained from the Office of the Parish Clerk, Suite 6700, Jefferson Parish General Government Building, 200 Derbigny Street, Gretna, Louisiana 70053. Bidders may also obtain a copy by visiting the Purchasing Department's webpage at <http://purchasing.jeffparish.net> and clicking on online forms.

**Bid Security:** Bidders shall provide bid security in the form of an electronic bid bond in the amount of five percent (5%) of the total bid price (Base Bid and any Alternates) (as per R.S. 38:2218). The Bid Security shall remain valid until the contract is executed or until final disposition is made of the bids submitted. Such security will become the property of the Parish in the event the successful bidder fails or refuses to execute the contract or fails to produce performance and payment bonds upon contract signing. Bids shall remain binding for at least forty-five (45) days after the date set for the Bid Opening. In the event the Parish issues the Letter of Award during this period, the bid

accepted shall continue to remain binding until the execution of contract. Jefferson Parish and the lowest responsible bidder, by mutual written consent, may agree to extend the deadline for award by one or more extensions of thirty (30) calendar days.

When submitting online, bidders must submit an electronic bid bond through the respective online clearinghouse bond management system(s) as indicated in the electronic bid solicitation on Central Auction House. No scanned paper copies of any bid bond will be accepted as part of the electronic bid submission.

**Performance Bond:** A performance bond is required in 100% of the contract amount and is due at the signing of the formal contract, unless another percentage is required in the bid specifications. In the event of a conflict between these instructions and the bid specifications, the bid specifications shall control.

**Payment Bond:** A payment bond is required in 100% of the contract amount and is due at the signing of the formal contract, unless another percentage is required in the bid specifications. In the event of a conflict between these instructions and the bid specifications, the bid specifications shall control.

To the extent permitted by law, the bond requirements as set forth herein are waived insofar as Community Development Housing Rehabilitation Construction Contracts are concerned for single family, owner-occupied dwellings. The Parish Attorney's Office will omit the requirements in connection with Community Development Housing Rehabilitation Construction Contracts for single family, owner-occupied dwellings.

## **K. INSURANCE REQUIREMENTS**

All bidders must submit with bid submission a current (valid) insurance certificate evidencing required coverages. Failure to comply will cause the bid to be rejected. The current insurance certificate will be used for proof of insurance at time of evaluation. Thereafter, and prior to contract execution, the low bidder will be required to provide final insurance certificates to the Parish which shall name the **Jefferson Parish, its Districts, Departments and Agencies under the direction of the Parish President and the Parish Council** as additional insureds regarding negligence by the contractor for the Commercial General Liability and the Comprehensive Automobile Liability policies. **Additionally, said certificates should reflect the name of the Parish Department receiving goods and services and reference the respective Jefferson Parish bid number.**

### **JEFFERSON PARISH REQUIRED STANDARD INSURANCE**

#### **WORKER'S COMPENSATION INSURANCE**

**As required by Louisiana State Statute, exception; Employer's Liability, Section B shall be \$1,000,000 per occurrence when Work is to be over water and involves maritime exposures to cover all employees not covered under the State Worker's Compensation Act, otherwise this limit shall be no less than \$500,000 per occurrence.**



**COMMERCIAL GENERAL LIABILITY**

Shall provide limits not less than the following: \$1,000,000 Combined Single Limit per Occurrence for bodily injury and property damage.

**COMPREHENSIVE AUTOMOBILE LIABILITY**

Bodily injury liability \$1,000,000 each person; \$1,000,000 each occurrence. Property Damage Liability \$1,000,000 each occurrence.

**UMBRELLA LIABILITY COVERAGE**

An umbrella policy or excess may be used to meet minimum requirements.

**FOR CONSTRUCTION AND RENOVATION PROJECTS:**

The following are required if selected. Such insurance is due upon contract execution.

**OWNER'S PROTECTIVE LIABILITY**

To be for the same limits of liability for bodily injury and property damage liability established for commercial general liability.

**BUILDER'S RISK INSURANCE**

The contractor shall maintain Builder's Risk Insurance at his own expense to insure both the Parish of Jefferson and contractor as their interest may appear.

**INSURANCE DEDUCTIBLES** - The Parish Attorney with concurrence of the Director of Risk Management have waived the deductible section of the Terms and Conditions for all Invitations to Bid, until further notice.

**L. INDEMNIFICATION**

Bidder acknowledges that bidder recovered the cost of any required insurance in the contract price as required by LA R.S. 9:2780.1(l) and that bidder recovered any such cost for the purposes of insuring an obligation to indemnify Jefferson Parish, defend Jefferson Parish, or hold Jefferson Parish harmless and that bidder's indemnity liability is limited to the amount of the proceeds that are payable under the insurance policy or policies that bidder has obtained.

**M. FAMILIARITY WITH LAWS AND ORDINANCES**

Bidders shall familiarize themselves with and shall comply with all applicable Federal and State Laws, Parish/Municipal Ordinances, Resolutions, and the rules and regulations of all authorities having jurisdiction over construction of the project, which may directly or indirectly affect the work or its prosecution.

These laws and/or ordinances will be deemed to be included in the contract, the same as though herein written in full.

In case of conflict between the requirements of these specifications and any State and/or Federal Regulations or Laws, the State and/or Federal Regulations or Laws shall take precedence in all cases in which State and/or Federal Funding of the contract, in whole or in part, depends upon compliance with said State and/or Federal Regulations or Laws.

#### **N. MISCELLANEOUS**

The successful bidder may be required to furnish a statement of the origin, composition, and manufacture of materials to be used in construction of the work together with samples, which samples may be subjected to testing to determine their quality and fitness for the work, as specified.

Bidders are not to exclude from participation in, deny the benefits of, or subject to discrimination under any program or activity, any person in the United States on the grounds of race, color, national origin, sex or religion except that any exemption from such prohibition against discrimination on the basis of religion as provided in the Civil Rights Acts of 1964, or Title VI and VII of the Act of April 11, 1968 shall also apply, as amended; nor discriminate on the basis of age under the Age Discrimination Act of 1975, as amended; nor with respect to an otherwise qualified handicapped individual as provided in Section 504 of the Rehabilitation Act of 1973, as amended. This assurance includes compliance with the administrative requirements of the Revenue Sharing final handicapped discrimination provisions contained in Section 51.55 (c), (d), (e), and (k) (5) of the Regulations.

Non-negotiable contract terms include but are not limited to taxes, assignment of contract, audit of records, EEOC and ADA compliance, record retention, content of contract/order of precedence, contract changes, force majeure, governing law, including ethics statements, claims or controversies, and termination based on contingency of appropriation of funds, as applicable.



# Bid Bond

An Electronic Bid Bond must be submitted with this bid, through one of the respective clearing houses at [www.jeffparish.net](http://www.jeffparish.net) or [www.centralbidding.com](http://www.centralbidding.com). To access the bonding companies on Central Bidding, hover over the "Central Bidding" link at the top of the page and select the "Bid Bonds" link.

The electronic bid bond number is to be placed in the required section listed on the standard envelope. Scanned copies of bid bonds will not be accepted with your submission.

**\$41.6 Billion**

**38,136 Bid Opportunities**

**18,123 Vendors**

**568 Agencies**

Browse Thousands of Public Bids today!

Central Bidding founded in 2007, is one of the largest providers of electronic bidding services to public and private buying entities. Vendors have trusted Central Bidding to securely deliver more than \$31.0 Billion worth of electronic bids for more than 400 buying entities since their founding. Central Bidding works under exclusive contract with each of these buying entities and in each instance Central Bidding is the only official electronic location to receive the bid documents, the automated updates and allowance of electronic bids.

[Learn More >](#)

<https://www.centralauctionhouse.com/central-bidding/bid-bonds>

LOUISIANA UNIFORM PUBLIC WORK BID FORM

TO: Jefferson Parish Purchasing Department

200 Derbigny Street

Suite 4400

Gretna, LA 70053

(Owner to provide name and address of owner)

BID FOR: Two Year Contract for

Rehabilitation of Sanitary Sewer Manholes for the

Jefferson Parish Department of Sewerage

Bid #50-00143320

(Owner to provide name of project and other identifying information)

The undersigned bidder hereby declares and represents that she/he: a) has carefully examined and understands the Bidding Documents, b) has not received, relied on, or based his bid on any verbal instructions contrary to the Bidding Documents or any addenda, c) has personally inspected and is familiar with the project site, and hereby proposes to provide all labor, materials, tools, appliances and facilities as required to perform, in a workmanlike manner, all work and services for the construction and completion of the referenced project, all in strict accordance with the Bidding Documents prepared by: \_\_\_\_\_ and dated: \_\_\_\_\_

(Owner to provide name of entity preparing bidding documents.)

Bidders must acknowledge all addenda. The Bidder acknowledges receipt of the following ADDENDA: (Enter the number the Designer has assigned to each of the addenda that the Bidder is acknowledging) \_\_\_\_\_

TOTAL BASE BID: For all work required by the Bidding Documents (including any and all unit prices designated "Base Bid" \* but not alternates) the sum of:

\_\_\_\_\_ Dollars (\$ \_\_\_\_\_)

ALTERNATES: For any and all work required by the Bidding Documents for Alternates including any and all unit prices designated as alternates in the unit price description.

Alternate No. 1 (Owner to provide description of alternate and state whether add or deduct) for the lump sum of:

N/A \_\_\_\_\_ Dollars (\$ \_\_\_\_\_)

Alternate No. 2 (Owner to provide description of alternate and state whether add or deduct) for the lump sum of:

N/A \_\_\_\_\_ Dollars (\$ \_\_\_\_\_)

Alternate No. 3 (Owner to provide description of alternate and state whether add or deduct) for the lump sum of:

N/A \_\_\_\_\_ Dollars (\$ \_\_\_\_\_)

NAME OF BIDDER: \_\_\_\_\_

ADDRESS OF BIDDER: \_\_\_\_\_

LOUISIANA CONTRACTOR'S LICENSE NUMBER: \_\_\_\_\_

NAME OF AUTHORIZED SIGNATORY OF BIDDER: \_\_\_\_\_

TITLE OF AUTHORIZED SIGNATORY OF BIDDER: \_\_\_\_\_

SIGNATURE OF AUTHORIZED SIGNATORY OF BIDDER \*\*: \_\_\_\_\_

DATE: \_\_\_\_\_

**THE FOLLOWING ITEMS ARE TO BE INCLUDED WITH THE SUBMISSION OF THIS LOUISIANA UNIFORM PUBLIC WORK BID FORM:**

\* The Unit Price Form shall be used if the contract includes unit prices. Otherwise it is not required and need not be included with the form. The number of unit prices that may be included is not limited and additional sheets may be included if needed.

\*\* A CORPORATE RESOLUTION OR WRITTEN EVIDENCE of the authority of the person signing the bid for the public work as prescribed by LA R.S. 38:2212(B)(5).

BID SECURITY in the form of a bid bond, certified check or cashier's check as prescribed by LA R.S. 38:2218(A) attached to and made a part of this bid.

LOUISIANA UNIFORM PUBLIC WORK BID FORM  
UNIT PRICE FORM

Bid# 50-00143320

TO: JEFFERSON PARISH  
PURCHASING DEPT  
200 DERBIGNY ST. SUITE 4400  
GRETNA, LA 70053

(Owner to provide name and address of owner)

**TWO YEAR CONTRACT FOR REHABILITATION OF  
SANITARY SEWER MANHOLES FOR JEFFERSON  
PARISH CAPITAL PROJECTS.**

(Owner to provide name of project and other identifying information)

**UNIT PRICES: This form shall be used for any and all work required by the Bidding Documents and described as unit prices. Amounts shall be stated in figures and only in figures.**

<b>DESCRIPTION:</b>	<input checked="" type="checkbox"/> Base Bid      0001 - Resetting Existing Manhole Rings and Covers <input type="checkbox"/> Alt.#__			
REF NO.	QUANTITY	UNIT OF MEASURE	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times Unit Price)
1	500.00	EA		

<b>DESCRIPTION:</b>	<input checked="" type="checkbox"/> Base Bid      0002 - Furnishing and Installing New Manhole Rings and Covers <input type="checkbox"/> Alt.#__			
REF NO.	QUANTITY	UNIT OF MEASURE	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times Unit Price)
2	250.00	EA		

<b>DESCRIPTION:</b>	<input checked="" type="checkbox"/> Base Bid      0003 - Adjusting Manholes <input type="checkbox"/> Alt.#__			
REF NO.	QUANTITY	UNIT OF MEASURE	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times Unit Price)
3	500.00	EA		

<b>DESCRIPTION:</b>	<input checked="" type="checkbox"/> Base Bid      0004 - Furnish and Install Sewer Manholes (Brick) (4 Foot Diameter) <input type="checkbox"/> Alt.#__			
REF NO.	QUANTITY	UNIT OF MEASURE	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times Unit Price)
4	300.00	VF		

<b>DESCRIPTION:</b>	<input checked="" type="checkbox"/> Base Bid      0005 - Furnish and Install Sewer Manholes (Brick) (6 Foot Diameter) <input type="checkbox"/> Alt.#__			
REF NO.	QUANTITY	UNIT OF MEASURE	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times Unit Price)
5	120.00	VF		

<b>DESCRIPTION:</b>	<input checked="" type="checkbox"/> Base Bid      0006 - Furnish and Install Sewer Manholes (Precast) (4 Foot Diameter) <input type="checkbox"/> Alt.#__			
REF NO.	QUANTITY	UNIT OF MEASURE	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times Unit Price)
6	600.00	VF		

<b>DESCRIPTION:</b>	<input checked="" type="checkbox"/> Base Bid      0007 - Furnish and Install Sewer Manholes (Precast) (6 Foot Diameter) <input type="checkbox"/> Alt.#__			
REF NO.	QUANTITY	UNIT OF MEASURE	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times Unit Price)
7	150.00	VF		

<b>DESCRIPTION:</b>	<input checked="" type="checkbox"/> Base Bid      0008 - Furnish and Install Sewer Manholes (Fiber Glass) (4 Foot Diameter) <input type="checkbox"/> Alt.#__			
REF NO.	QUANTITY	UNIT OF MEASURE	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times Unit Price)
8	120.00	VF		

Wording for "DESCRIPTION" is to be provided by the Owner.  
All quantities are estimated. The contractor will be paid based upon actual quantities as verified by the Owner.

LOUISIANA UNIFORM PUBLIC WORK BID FORM  
UNIT PRICE FORM

Bid# 50-00143320

TO: JEFFERSON PARISH  
PURCHASING DEPT  
200 DERBIGNY ST. SUITE 4400  
GRETN, LA 70053

(Owner to provide name and address of owner)

**TWO YEAR CONTRACT FOR REHABILITATION OF  
SANITARY SEWER MANHOLES FOR JEFFERSON  
PARISH CAPITAL PROJECTS.**

(Owner to provide name of project and other identifying information)

**UNIT PRICES:** This form shall be used for any and all work required by the Bidding Documents and described as unit prices. Amounts shall be stated in figures and only in figures.

<b>DESCRIPTION:</b>	<input checked="" type="checkbox"/> Base Bid      0009 - Furnish and Install Sewer Manholes (Fiber Glass) (6 Foot Diameter) <input type="checkbox"/> Alt.#__			
REF NO.	QUANTITY	UNIT OF MEASURE	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times Unit Price)
9	60.00	VF		

<b>DESCRIPTION:</b>	<input checked="" type="checkbox"/> Base Bid      0010 - Repair Manhole Line Connection <input type="checkbox"/> Alt.#__			
REF NO.	QUANTITY	UNIT OF MEASURE	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times Unit Price)
10	300.00	EA		

<b>DESCRIPTION:</b>	<input checked="" type="checkbox"/> Base Bid      0011 - Remove and Replace Precast Manhole Concrete Manhole Wall/Cone <input type="checkbox"/> Alt.#__			
REF NO.	QUANTITY	UNIT OF MEASURE	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times Unit Price)
11	100.00	VF		

<b>DESCRIPTION:</b>	<input checked="" type="checkbox"/> Base Bid      0012 - Remove and Replace Manhole Wall (Brick) <input type="checkbox"/> Alt.#__			
REF NO.	QUANTITY	UNIT OF MEASURE	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times Unit Price)
12	300.00	VF		

<b>DESCRIPTION:</b>	<input checked="" type="checkbox"/> Base Bid      0013 - Rehabilitate/Rebuild Manhole Bench/Trough <input type="checkbox"/> Alt.#__			
REF NO.	QUANTITY	UNIT OF MEASURE	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times Unit Price)
13	200.00	EA		

<b>DESCRIPTION:</b>	<input checked="" type="checkbox"/> Base Bid      0014 - Manhole Inserts <input type="checkbox"/> Alt.#__			
REF NO.	QUANTITY	UNIT OF MEASURE	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times Unit Price)
14	300.00	EA		

<b>DESCRIPTION:</b>	<input checked="" type="checkbox"/> Base Bid      0015 - Install Force Main Discharge Tee/Turndown <input type="checkbox"/> Alt.#__			
REF NO.	QUANTITY	UNIT OF MEASURE	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times Unit Price)
15	20.00	EA		

<b>DESCRIPTION:</b>	<input checked="" type="checkbox"/> Base Bid      0016 - Chemical Grout to Fill Voids and Stop Leaks in Structures <input type="checkbox"/> Alt.#__			
REF NO.	QUANTITY	UNIT OF MEASURE	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times Unit Price)
16	500.00	GL		

Wording for "DESCRIPTION" is to be provided by the Owner.  
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LOUISIANA UNIFORM PUBLIC WORK BID FORM  
UNIT PRICE FORM

Bid# 50-00143320

TO: JEFFERSON PARISH  
PURCHASING DEPT  
200 DERBIGNY ST. SUITE 4400  
GRETNA, LA 70053

(Owner to provide name and address of owner)

**TWO YEAR CONTRACT FOR REHABILITATION OF  
SANITARY SEWER MANHOLES FOR JEFFERSON  
PARISH CAPITAL PROJECTS.**

(Owner to provide name of project and other identifying information)

**UNIT PRICES:** This form shall be used for any and all work required by the Bidding Documents and described as unit prices. Amounts shall be stated in figures and only in figures.

<b>DESCRIPTION:</b> <input checked="" type="checkbox"/> Base Bid      0017 - Sewer Manhole Rehabilitation by Cementitious Lining <input type="checkbox"/> Alt.#__				
REF NO.	QUANTITY	UNIT OF MEASURE	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times Unit Price)
17	5,000.00	SQFT		

<b>DESCRIPTION:</b> <input checked="" type="checkbox"/> Base Bid      0018 - Sewer Manhole Rehabilitation by Spray on Epoxy Lining <input type="checkbox"/> Alt.#__				
REF NO.	QUANTITY	UNIT OF MEASURE	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times Unit Price)
18	3,000.00	SQFT		

<b>DESCRIPTION:</b> <input checked="" type="checkbox"/> Base Bid      0019 - Sewer Manhole Rehabilitation by Multi-Layered Composite Liner <input type="checkbox"/> Alt.#__      System				
REF NO.	QUANTITY	UNIT OF MEASURE	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times Unit Price)
19	1,500.00	SQFT		

<b>DESCRIPTION:</b> <input checked="" type="checkbox"/> Base Bid      0020 - Sewer Manhole Rehabilitation by Hybrid Epoxy Liner <input type="checkbox"/> Alt.#__				
REF NO.	QUANTITY	UNIT OF MEASURE	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times Unit Price)
20	1,500.00	SQFT		

<b>DESCRIPTION:</b> <input checked="" type="checkbox"/> Base Bid      0021 - Removal and Replacement of Portland Cement Concrete Roadway <input type="checkbox"/> Alt.#__      Pavement (High-Early Strength) (Per 1 Inch Thickness)				
REF NO.	QUANTITY	UNIT OF MEASURE	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times Unit Price)
21	150.00	SQYD		

<b>DESCRIPTION:</b> <input checked="" type="checkbox"/> Base Bid      0022 - Removal of Asphaltic Concrete Pavement (Full Depth) and Placement <input type="checkbox"/> Alt.#__      of Pavement Patching (12 Inch Min. Thickness)				
REF NO.	QUANTITY	UNIT OF MEASURE	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times Unit Price)
22	500.00	SQYD		

<b>DESCRIPTION:</b> <input checked="" type="checkbox"/> Base Bid      0023 - Placement and Removal of Mainline Traffic Maintenance Surfacing (Hard) <input type="checkbox"/> Alt.#__      (6 Inch Min. Thick Asphalt)				
REF NO.	QUANTITY	UNIT OF MEASURE	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times Unit Price)
23	150.00	SQYD		

<b>DESCRIPTION:</b> <input checked="" type="checkbox"/> Base Bid      0024 - Placement and Removal of Non-Mainline Traffic Maintenance <input type="checkbox"/> Alt.#__      Surfacing (Aggregate) (Vehicular Measurement)				
REF NO.	QUANTITY	UNIT OF MEASURE	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times Unit Price)
24	200.00	CUYD		

Wording for "DESCRIPTION" is to be provided by the Owner.  
All quantities are estimated. The contractor will be paid based upon actual quantities as verified by the Owner.

LOUISIANA UNIFORM PUBLIC WORK BID FORM  
UNIT PRICE FORM

Bid# 50-00143320

TO: JEFFERSON PARISH  
PURCHASING DEPT  
200 DERBIGNY ST. SUITE 4400  
GRETNA, LA 70053

(Owner to provide name and address of owner)

**TWO YEAR CONTRACT FOR REHABILITATION OF  
SANITARY SEWER MANHOLES FOR JEFFERSON  
PARISH CAPITAL PROJECTS.**

(Owner to provide name of project and other identifying information)

**UNIT PRICES:** This form shall be used for any and all work required by the Bidding Documents and described as unit prices. Amounts shall be stated in figures and only in figures.

<b>DESCRIPTION:</b>	<input checked="" type="checkbox"/> Base Bid	0025 - Milling Asphalt Pavement (2 Inch Thick)		
	<input type="checkbox"/> Alt.#__			
REF NO.	QUANTITY	UNIT OF MEASURE	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times Unit Price)
25	100.00	SQYD		

<b>DESCRIPTION:</b>	<input checked="" type="checkbox"/> Base Bid	0026 - Asphalt Concrete (Wearing Course) (2 Inch Thick)		
	<input type="checkbox"/> Alt.#__			
REF NO.	QUANTITY	UNIT OF MEASURE	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times Unit Price)
26	100.00	SQYD		

<b>DESCRIPTION:</b>	<input checked="" type="checkbox"/> Base Bid	0027 - Removal and Replacement of Combination Concrete Curb and Gutter (Mountable)		
	<input type="checkbox"/> Alt.#__			
REF NO.	QUANTITY	UNIT OF MEASURE	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times Unit Price)
27	100.00	LF		

<b>DESCRIPTION:</b>	<input checked="" type="checkbox"/> Base Bid	0028 - Removal and Replacement of Combination Concrete Curb and Gutter (Barrier)		
	<input type="checkbox"/> Alt.#__			
REF NO.	QUANTITY	UNIT OF MEASURE	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times Unit Price)
28	100.00	LF		

<b>DESCRIPTION:</b>	<input checked="" type="checkbox"/> Base Bid	0029 - Replacement of Concrete Curb (Mountable)		
	<input type="checkbox"/> Alt.#__			
REF NO.	QUANTITY	UNIT OF MEASURE	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times Unit Price)
29	100.00	LF		

<b>DESCRIPTION:</b>	<input checked="" type="checkbox"/> Base Bid	0030 - Replacement of Concrete Curb (Barrier)		
	<input type="checkbox"/> Alt.#__			
REF NO.	QUANTITY	UNIT OF MEASURE	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times Unit Price)
30	100.00	LF		

<b>DESCRIPTION:</b>	<input checked="" type="checkbox"/> Base Bid	0031 - Removal and Replacement of Concrete Driveways (4 Inch Thick)		
	<input type="checkbox"/> Alt.#__			
REF NO.	QUANTITY	UNIT OF MEASURE	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times Unit Price)
31	50.00	SQYD		

<b>DESCRIPTION:</b>	<input checked="" type="checkbox"/> Base Bid	0032 - Removal and Replacement of Concrete Driveways (6 Inch Thick)		
	<input type="checkbox"/> Alt.#__			
REF NO.	QUANTITY	UNIT OF MEASURE	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times Unit Price)
32	200.00	SQYD		

Wording for "DESCRIPTION" is to be provided by the Owner.  
All quantities are estimated. The contractor will be paid based upon actual quantities as verified by the Owner.

LOUISIANA UNIFORM PUBLIC WORK BID FORM  
UNIT PRICE FORM

Bid# 50-00143320

TO: JEFFERSON PARISH  
PURCHASING DEPT  
200 DERBIGNY ST. SUITE 4400  
GRETN, LA 70053  
(Owner to provide name and  
address of owner)

**TWO YEAR CONTRACT FOR REHABILITATION OF  
SANITARY SEWER MANHOLES FOR JEFFERSON  
PARISH CAPITAL PROJECTS.**

(Owner to provide name of project  
and other identifying information)

**UNIT PRICES:** This form shall be used for any and all work required by the Bidding Documents and described as unit prices. Amounts shall be stated in figures and only in figures.

<b>DESCRIPTION:</b>	<input checked="" type="checkbox"/> Base Bid	0033 - Removal and Replacement of Concrete Driveways (6 Inch Thick W/Wash Gravel to Match)	<input type="checkbox"/> Alt.#__	
REF NO.	QUANTITY	UNIT OF MEASURE	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times Unit Price)
33	50.00	SQYD		

<b>DESCRIPTION:</b>	<input checked="" type="checkbox"/> Base Bid	0034 - Removal and Replacement of Concrete Driveways (6 Inch Thick W/Brick to Match)	<input type="checkbox"/> Alt.#__	
REF NO.	QUANTITY	UNIT OF MEASURE	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times Unit Price)
34	50.00	SQYD		

<b>DESCRIPTION:</b>	<input checked="" type="checkbox"/> Base Bid	0035 - Removal and Replacement of Concrete Driveways (8 Inch Thick)	<input type="checkbox"/> Alt.#__	
REF NO.	QUANTITY	UNIT OF MEASURE	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times Unit Price)
35	50.00	SQYD		

<b>DESCRIPTION:</b>	<input checked="" type="checkbox"/> Base Bid	0036 - Removal and Replacement of Driveway (Stone)	<input type="checkbox"/> Alt.#__	
REF NO.	QUANTITY	UNIT OF MEASURE	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times Unit Price)
36	20.00	SQYD		

<b>DESCRIPTION:</b>	<input checked="" type="checkbox"/> Base Bid	0037 - Removal and Replacement of Sidewalks (Concrete) (4 Inch Thick) (Residential)	<input type="checkbox"/> Alt.#__	
REF NO.	QUANTITY	UNIT OF MEASURE	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times Unit Price)
37	200.00	SQYD		

<b>DESCRIPTION:</b>	<input checked="" type="checkbox"/> Base Bid	0038 - Removal and Replacement of Sidewalks (Concrete) (4 Inch Thick W/Wash Gravel to Match)	<input type="checkbox"/> Alt.#__	
REF NO.	QUANTITY	UNIT OF MEASURE	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times Unit Price)
38	50.00	SQYD		

<b>DESCRIPTION:</b>	<input checked="" type="checkbox"/> Base Bid	0039 - Removal and Replacement of Sidewalks (Brick)	<input type="checkbox"/> Alt.#__	
REF NO.	QUANTITY	UNIT OF MEASURE	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times Unit Price)
39	20.00	SQYD		

<b>DESCRIPTION:</b>	<input checked="" type="checkbox"/> Base Bid	0040 - Removal and Replacement of Sidewalks (Stone)	<input type="checkbox"/> Alt.#__	
REF NO.	QUANTITY	UNIT OF MEASURE	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times Unit Price)
40	20.00	SQYD		

Wording for "DESCRIPTION" is to be provided by the Owner.  
All quantities are estimated. The contractor will be paid based upon actual quantities as verified by the Owner.



LOUISIANA UNIFORM PUBLIC WORK BID FORM  
UNIT PRICE FORM

Bid# 50-00143320

TO: JEFFERSON PARISH  
PURCHASING DEPT  
200 DERBIGNY ST. SUITE 4400  
GRETN, LA 70053

(Owner to provide name and address of owner)

**TWO YEAR CONTRACT FOR REHABILITATION OF  
SANITARY SEWER MANHOLES FOR JEFFERSON  
PARISH CAPITAL PROJECTS.**

(Owner to provide name of project and other identifying information)

**UNIT PRICES:** This form shall be used for any and all work required by the Bidding Documents and described as unit prices. Amounts shall be stated in figures and only in figures.

<b>DESCRIPTION:</b>	<input checked="" type="checkbox"/> Base Bid	0041 - Removal and Replacement of Sidewalks (Concrete) (5 Inch Thick)		
	<input type="checkbox"/> Alt.#__	(Commercial)		
REF NO.	QUANTITY	UNIT OF MEASURE	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times Unit Price)
41	100.00	SQYD		

<b>DESCRIPTION:</b>	<input checked="" type="checkbox"/> Base Bid	0042 - Installation of Handicap Access Ramp at Curb/Street Transition		
	<input type="checkbox"/> Alt.#__			
REF NO.	QUANTITY	UNIT OF MEASURE	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times Unit Price)
42	100.00	SQYD		

<b>DESCRIPTION:</b>	<input checked="" type="checkbox"/> Base Bid	0043 - Removal and Replacement of Incidental Concrete Paving (Up to		
	<input type="checkbox"/> Alt.#__	6 Inch Thick)		
REF NO.	QUANTITY	UNIT OF MEASURE	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times Unit Price)
43	100.00	SQYD		

<b>DESCRIPTION:</b>	<input checked="" type="checkbox"/> Base Bid	0044 - Additional Sheeting, Bracing and Foundation Lumber (as Directed)		
	<input type="checkbox"/> Alt.#__			
REF NO.	QUANTITY	UNIT OF MEASURE	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times Unit Price)
44	1,000.00	MFBM		

<b>DESCRIPTION:</b>	<input checked="" type="checkbox"/> Base Bid	0045 - Additional Granular Material		
	<input type="checkbox"/> Alt.#__			
REF NO.	QUANTITY	UNIT OF MEASURE	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times Unit Price)
45	500.00	TN		

<b>DESCRIPTION:</b>	<input checked="" type="checkbox"/> Base Bid	0046 - Additional Limestone		
	<input type="checkbox"/> Alt.#__			
REF NO.	QUANTITY	UNIT OF MEASURE	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times Unit Price)
46	100.00	TN		

<b>DESCRIPTION:</b>	<input checked="" type="checkbox"/> Base Bid	0047 - Slab Sodding		
	<input type="checkbox"/> Alt.#__			
REF NO.	QUANTITY	UNIT OF MEASURE	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times Unit Price)
47	1,000.00	SQYD		

<b>DESCRIPTION:</b>	<input checked="" type="checkbox"/> Base Bid	0048 - Setup 6 Inch By-Pass Pumping		
	<input type="checkbox"/> Alt.#__			
REF NO.	QUANTITY	UNIT OF MEASURE	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times Unit Price)
48	10.00	EA		

Wording for "DESCRIPTION" is to be provided by the Owner.  
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LOUISIANA UNIFORM PUBLIC WORK BID FORM  
UNIT PRICE FORM

Bid# 50-00143320

TO: JEFFERSON PARISH  
PURCHASING DEPT  
200 DERBIGNY ST. SUITE 4400  
GRETN, LA 70053  
(Owner to provide name and  
address of owner)

**TWO YEAR CONTRACT FOR REHABILITATION OF  
SANITARY SEWER MANHOLES FOR JEFFERSON  
PARISH CAPITAL PROJECTS.**

(Owner to provide name of project  
and other identifying information)

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<b>DESCRIPTION:</b>	<input checked="" type="checkbox"/> Base Bid      0049 - Setup 8 Inch By-Pass Pumping <input type="checkbox"/> Alt.#__			
REF NO.	QUANTITY	UNIT OF MEASURE	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times Unit Price)
49	10.00	EA		

<b>DESCRIPTION:</b>	<input checked="" type="checkbox"/> Base Bid      0050 - Setup 10 Inch By-Pass Pumping <input type="checkbox"/> Alt.#__			
REF NO.	QUANTITY	UNIT OF MEASURE	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times Unit Price)
50	10.00	EA		

<b>DESCRIPTION:</b>	<input checked="" type="checkbox"/> Base Bid      0051 - Setup 12 Inch By-Pass Pumping <input type="checkbox"/> Alt.#__			
REF NO.	QUANTITY	UNIT OF MEASURE	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times Unit Price)
51	10.00	EA		

<b>DESCRIPTION:</b>	<input checked="" type="checkbox"/> Base Bid      0052 - Operation of 6 Inch By-Pass Pumping <input type="checkbox"/> Alt.#__			
REF NO.	QUANTITY	UNIT OF MEASURE	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times Unit Price)
52	2.00	DY		

<b>DESCRIPTION:</b>	<input checked="" type="checkbox"/> Base Bid      0053 - Operation of 6 Inch By-Pass Pumping <input type="checkbox"/> Alt.#__			
REF NO.	QUANTITY	UNIT OF MEASURE	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times Unit Price)
53	1.00	WK		

<b>DESCRIPTION:</b>	<input checked="" type="checkbox"/> Base Bid      0054 - Operation of 6 Inch By-Pass Pumping <input type="checkbox"/> Alt.#__			
REF NO.	QUANTITY	UNIT OF MEASURE	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times Unit Price)
54	1.00	MO		

<b>DESCRIPTION:</b>	<input checked="" type="checkbox"/> Base Bid      0055 - Operation of 8 Inch By-Pass Pumping <input type="checkbox"/> Alt.#__			
REF NO.	QUANTITY	UNIT OF MEASURE	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times Unit Price)
55	2.00	DY		

<b>DESCRIPTION:</b>	<input checked="" type="checkbox"/> Base Bid      0056 - Operation of 8 Inch By-Pass Pumping <input type="checkbox"/> Alt.#__			
REF NO.	QUANTITY	UNIT OF MEASURE	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times Unit Price)
56	1.00	WK		

Wording for "DESCRIPTION" is to be provided by the Owner.  
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LOUISIANA UNIFORM PUBLIC WORK BID FORM  
UNIT PRICE FORM

Bid# 50-00143320

TO: JEFFERSON PARISH  
PURCHASING DEPT  
200 DERBIGNY ST. SUITE 4400  
GRETN, LA 70053

(Owner to provide name and address of owner)

**TWO YEAR CONTRACT FOR REHABILITATION OF  
SANITARY SEWER MANHOLES FOR JEFFERSON  
PARISH CAPITAL PROJECTS.**

(Owner to provide name of project and other identifying information)

**UNIT PRICES: This form shall be used for any and all work required by the Bidding Documents and described as unit prices. Amounts shall be stated in figures and only in figures.**

<b>DESCRIPTION:</b>	<input checked="" type="checkbox"/> Base Bid      0057 - Operation of 8 Inch By-Pass Pumping <input type="checkbox"/> Alt.#__			
REF NO.	QUANTITY	UNIT OF MEASURE	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times Unit Price)
57	1.00	MO		

<b>DESCRIPTION:</b>	<input checked="" type="checkbox"/> Base Bid      0058 - Operation of 10 Inch By-Pass Pumping <input type="checkbox"/> Alt.#__			
REF NO.	QUANTITY	UNIT OF MEASURE	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times Unit Price)
58	2.00	DY		

<b>DESCRIPTION:</b>	<input checked="" type="checkbox"/> Base Bid      0059 - Operaton of 10 Inch By-Pass Pumping <input type="checkbox"/> Alt.#__			
REF NO.	QUANTITY	UNIT OF MEASURE	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times Unit Price)
59	1.00	WK		

<b>DESCRIPTION:</b>	<input checked="" type="checkbox"/> Base Bid      0060 - Operation of 10 Inch By-Pass Pumping <input type="checkbox"/> Alt.#__			
REF NO.	QUANTITY	UNIT OF MEASURE	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times Unit Price)
60	1.00	MO		

<b>DESCRIPTION:</b>	<input checked="" type="checkbox"/> Base Bid      0061 - Operation of 12 Inch By-Pass Pumping <input type="checkbox"/> Alt.#__			
REF NO.	QUANTITY	UNIT OF MEASURE	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times Unit Price)
61	2.00	DY		

<b>DESCRIPTION:</b>	<input type="checkbox"/> Base Bid      0062 - Operation of 12 Inch By-Pass Pumping <input checked="" type="checkbox"/> Alt.# <u>6</u>			
REF NO.	QUANTITY	UNIT OF MEASURE	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times Unit Price)
62	1.00	WK		

<b>DESCRIPTION:</b>	<input checked="" type="checkbox"/> Base Bid      0063 - Operation of 12 Inch By-Pass Pumping <input type="checkbox"/> Alt.#__			
REF NO.	QUANTITY	UNIT OF MEASURE	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times Unit Price)
63	1.00	MO		

<b>DESCRIPTION:</b>	<input checked="" type="checkbox"/> Base Bid      0064 - Extension of Force Main (6-Inch Bypass Pump) <input type="checkbox"/> Alt.#__			
REF NO.	QUANTITY	UNIT OF MEASURE	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times Unit Price)
64	50.00	LF		

Wording for "DESCRIPTION" is to be provided by the Owner.  
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LOUISIANA UNIFORM PUBLIC WORK BID FORM  
UNIT PRICE FORM

Bid# 50-00143320

TO: JEFFERSON PARISH  
PURCHASING DEPT  
200 DERBIGNY ST. SUITE 4400  
GRETN, LA 70053

(Owner to provide name and address of owner)

**TWO YEAR CONTRACT FOR REHABILITATION OF  
SANITARY SEWER MANHOLES FOR JEFFERSON  
PARISH CAPITAL PROJECTS.**

(Owner to provide name of project and other identifying information)

**UNIT PRICES:** This form shall be used for any and all work required by the Bidding Documents and described as unit prices. Amounts shall be stated in figures and only in figures.

<b>DESCRIPTION:</b>	<input checked="" type="checkbox"/> Base Bid      0065 - Extension of Force Main (8-Inch Bypass Pump) <input type="checkbox"/> Alt.#__			
REF NO.	QUANTITY	UNIT OF MEASURE	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times Unit Price)
65	50.00	LF		

<b>DESCRIPTION:</b>	<input checked="" type="checkbox"/> Base Bid      0066 - Extension of Force Main (10-Inch Bypass Pump) <input type="checkbox"/> Alt.#__			
REF NO.	QUANTITY	UNIT OF MEASURE	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times Unit Price)
66	50.00	LF		

<b>DESCRIPTION:</b>	<input checked="" type="checkbox"/> Base Bid      0067 - Extension of Force Main (12-Inch Bypass Pump) <input type="checkbox"/> Alt.#__			
REF NO.	QUANTITY	UNIT OF MEASURE	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times Unit Price)
67	50.00	LF		

<b>DESCRIPTION:</b>	<input checked="" type="checkbox"/> Base Bid      0068 - Traffic Control (Flagman) <input type="checkbox"/> Alt.#__			
REF NO.	QUANTITY	UNIT OF MEASURE	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times Unit Price)
68	500.00	HR		

<b>DESCRIPTION:</b>	<input checked="" type="checkbox"/> Base Bid      0069 - Traffic Control (Policeman) <input type="checkbox"/> Alt.#__			
REF NO.	QUANTITY	UNIT OF MEASURE	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times Unit Price)
69	200.00	HR		

<b>DESCRIPTION:</b>	<input checked="" type="checkbox"/> Base Bid      0070 - Excavating and Uncovering Buried Manholes (Deeper Than 1 Foot) <input type="checkbox"/> Alt.#__			
REF NO.	QUANTITY	UNIT OF MEASURE	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times Unit Price)
70	50.00	EA		

<b>DESCRIPTION:</b>	<input type="checkbox"/> Base Bid <input type="checkbox"/> Alt.#__			
REF NO.	QUANTITY	UNIT OF MEASURE	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times Unit Price)

<b>DESCRIPTION:</b>	<input type="checkbox"/> Base Bid <input type="checkbox"/> Alt.#__			
REF NO.	QUANTITY	UNIT OF MEASURE	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times Unit Price)

Wording for "DESCRIPTION" is to be provided by the Owner.  
All quantities are estimated. The contractor will be paid based upon actual quantities as verified by the Owner.

**CORPORATE RESOLUTION**

EXCERPT FROM MINUTES OF MEETING OF THE BOARD OF DIRECTORS OF  
\_\_\_\_\_  
INCORPORATED.

AT THE MEETING OF DIRECTORS OF \_\_\_\_\_  
INCORPORATED, DULY NOTICED AND HELD ON \_\_\_\_\_,  
A QUORUM BEING THERE PRESENT, ON MOTION DULY MADE AND SECONDED. IT  
WAS:

RESOLVED THAT \_\_\_\_\_, BE AND IS HEREBY  
APPOINTED, CONSTITUTED AND DESIGNATED AS AGENT AND ATTORNEY-IN-  
FACT OF THE CORPORATION WITH FULL POWER AND AUTHORITY TO ACT ON  
BEHALF OF THIS CORPORATION IN ALL NEGOTIATIONS, BIDDING, CONCERNS  
AND TRANSACTIONS WITH THE PARISH OF JEFFERSON OR ANY OF ITS AGENCIES,  
DEPARTMENTS, EMPLOYEES OR AGENTS, INCLUDING BUT NOT LIMITED TO, THE  
EXECUTION OF ALL BIDS, PAPERS, DOCUMENTS, AFFIDAVITS, BONDS, SURETIES,  
CONTRACTS AND ACTS AND TO RECEIVE ALL PURCHASE ORDERS AND NOTICES  
ISSUED PURSUANT TO THE PROVISIONS OF ANY SUCH BID OR CONTRACT, THIS  
CORPORATION HEREBY RATIFYING, APPROVING, CONFIRMING, AND ACCEPTING  
EACH AND EVERY SUCH ACT PERFORMED BY SAID AGENT AND ATTORNEY-IN-  
FACT.

I HEREBY CERTIFY THE FOREGOING TO BE  
A TRUE AND CORRECT COPY OF AN  
EXCERPT OF THE MINUTES OF THE ABOVE  
DATED MEETING OF THE BOARD OF  
DIRECTORS OF SAID CORPORATION, AND  
THE SAME HAS NOT BEEN REVOKED OR  
RESCINDED.

\_\_\_\_\_  
**SECRETARY-TREASURER**

\_\_\_\_\_  
**DATE**

## **Public Works Bid Affidavit Instructions**

- **Affidavit is supplied as a courtesy to Affiants, but it is the responsibility of the affiant to insure the affidavit they submit to Jefferson Parish complies, in both form and content, with federal, state and parish laws.**
- **Affidavit must be signed by an authorized representative of the entity or the affidavit will not be accepted.**
- **Affidavit must be notarized or the affidavit will not be accepted.**
- **Notary must sign name, print name, and include bar/notary number, or the affidavit will not be accepted.**
- **Affiant MUST select either A or B when required or the affidavit will not be accepted.**
- **Affiants who select choice A must include an attachment or the affidavit will not be accepted.**
- **If both choice A and B are selected, the affidavit will not be accepted.**
- **Affidavit marked N/A will not be accepted.**
- **It is the responsibility of the Affiant to submit a new affidavit if any additional campaign contributions are made after the affidavit is executed but prior to the time the council acts on the matter.**

*Instruction sheet may be omitted when submitting the affidavit*

**Public Works Bid**

**AFFIDAVIT**

**STATE OF** \_\_\_\_\_

**PARISH/COUNTY OF** \_\_\_\_\_

BEFORE ME, the undersigned authority, personally came and appeared: \_\_\_\_\_  
\_\_\_\_\_, (Affiant) who after being by me duly sworn, deposed and said that  
he/she is the fully authorized \_\_\_\_\_ of \_\_\_\_\_ (Entity),  
the party who submitted a bid in response to Bid Number \_\_\_\_\_, to the Parish of  
Jefferson.

Affiant further said:

Campaign Contribution Disclosures

**(Choose A or B, if option A is indicated please include the required attachment):**

**Choice A** \_\_\_\_\_ Attached hereto is a list of all campaign contributions, including the date and amount of each contribution, made to current or former elected officials of the Parish of Jefferson by Entity, Affiant, and/or officers, directors and owners, including employees, owning 25% or more of the Entity during the two-year period immediately preceding the date of this affidavit or the current term of the elected official, whichever is greater. Further, Entity, Affiant, and/or Entity Owners have not made any contributions to or in support of current or former members of the Jefferson Parish Council or the Jefferson Parish President through or in the name of another person or legal entity, either directly or indirectly.

**Choice B** \_\_\_\_\_ there are **NO** campaign contributions made which would require disclosure under Choice A of this section.



Affiant further said:

Debt Disclosures

**(Choose A or B, if option A is indicated please include the required attachment):**

**Choice A** \_\_\_\_\_ Attached hereto is a list of all debts owed by the affiant to any elected or appointed official of the Parish of Jefferson, and any and all debts owed by any elected or appointed official of the parish to the Affiant.

**Choice B** \_\_\_\_\_ There are **NO** debts which would require disclosure under Choice A of this section.

Affiant further said:

That Affiant has employed no person, corporation, firm, association, or other organization, either directly or indirectly, to secure the public contract under which he received payment, other than persons regularly employed by the Affiant whose services in connection with the construction, alteration or demolition of the public building or project or in securing the public contract were in the regular course of their duties for Affiant; and

That no part of the contract price received by Affiant was paid or will be paid to any person, corporation, firm, association, or other organization for soliciting the contract, other than the payment of their normal compensation to persons regularly employed by the Affiant whose services in connection with the construction, alteration or demolition of the public building or project were in the regular course of their duties for Affiant.

Affiant further said:

Affiant personally has not been convicted of, nor has he/she entered into a plea of guilty or nolo contendere to any of the crimes or equivalent federal crimes listed below. No individual partner, incorporator, director, manager, officer, organizer, or member, who has a minimum of a ten percent ownership in the Bidding Entity, has been convicted of, or has entered a plea of guilty or nolo contendere to any of the crimes or equivalent federal crimes listed below. A conviction of or plea of guilty or nolo contendere to the following state crimes or equivalent federal crimes shall permanently bar any person or the bidding entity from bidding on public projects:

- (a) Public bribery (R.S. 14:118)
- (b) Corrupt influencing (R.S. 14:120)
- (c) Extortion (R.S. 14:66)
- (d) Money laundering (R.S. 14:230)

A conviction of or plea of guilty or nolo contendere to the following state crimes or equivalent federal crimes shall bar any person or the bidding entity from bidding on public projects for a period of five years from the date of conviction or from the date of the entrance of the plea of guilty or nolo contendere:

- (a) Theft (R.S. 14:67)
- (b) Identity Theft (R.S. 14:67, 16)
- (c) Theft of a business record (R.S. 14:67.20)
- (d) False accounting (R.S. 14:70)
- (e) Issuing worthless checks (R.S. 14:71)
- (f) Bank fraud (R.S. 14:71.1)
- (g) Forgery (R.S. 14:72)
- (h) Contractors; misapplication of payments (R.S. 14:202)
- (i) Malfeasance in office (R.S. 14:134)

The five-year prohibition provided for in this section shall apply only if the crime was committed during the solicitation or execution of a contract or bid awarded pursuant to these provisions. If evidence is submitted substantiating that a false attestation has been made and the project must be readvertised or the contract cancelled, the awarded entity making the false attestation shall be responsible to the public entity for the costs of rebidding, additional costs due to increased costs of bids and any and all delay costs due to the rebid or cancellation of this project.

*[The remainder of this page is intentionally left blank.]*

Affiant further said:

- (1) Entity is registered and participates in a status verification system to verify that all employees in the State of Louisiana are legal citizens of the United States or are legal aliens.
- (2) Entity shall continue, during the term of the contract, to utilize a status verification system to verify the legal status of all new employees in the State of Louisiana.
- (3) Entity shall require all subcontractors to submit to the Entity a sworn affidavit verifying compliance with statements (1) and (2).

\_\_\_\_\_  
Signature of Affiant

\_\_\_\_\_  
Printed Name of Affiant

SWORN AND SUBSCRIBED TO BEFORE ME

ON THE \_\_\_\_\_ DAY OF \_\_\_\_\_, 20\_\_.

\_\_\_\_\_  
Notary Public

\_\_\_\_\_  
Printed Name of Notary

\_\_\_\_\_  
Notary/Bar Roll Number

My commission expires \_\_\_\_\_.



**Designation of Construction Contractor  
as Agent of a Governmental Entity  
Sales Tax Exemption Certificate**

\_\_\_\_\_, an agency of the United States government, or an agency, board, commission, or instrumentality of the State of Louisiana or its political subdivisions, including parishes, municipalities and school boards, does hereby designate the following contractor as its agent for the purpose of making sales tax exempt purchases on behalf of the governmental body:

Name of Contractor		
Address		
City	State	ZIP

This designation of agency shall be effective for purchases of component construction materials, taxable services and leases and rentals of tangible personal property for the following named construction project:

Construction Project	Contract Number
----------------------	-----------------

This designation and acceptance of agency is effective for the period

Beginning Date (mm/dd/yyyy)	End Date (mm/dd/yyyy)
-----------------------------	-----------------------

Purchases for the named project during this period by the designated contractor shall be considered as the legal equivalent of purchases directly by the governmental body. Any materials purchased by this agent shall immediately, upon the vendor's delivery to the agent, become the property of this government entity. This government entity, as principal, assumes direct liability to the vendor for the payment of any property, services, leases, or rentals made by this designated agent. This agreement does not void or supersede the obligations of any party created under any construction contract related to this project, including specifically any contractual obligation of the construction contractor to submit payment to the vendors of materials or services for the project.

This contractor-agent is not authorized to delegate this purchasing agency to others; separate designations of agency by this governmental entity are required for each contractor or sub-contractor who is to purchase on behalf of this governmental entity. The undersigned hereby certify that this designation is the entirety of the agency designation agreement between them. In order for a purchase for an eligible governmental entity through a designated agent to be eligible for sales tax exemption, the designation of agency must be made, accepted, and disclosed to the vendor before or at the time of the purchase transaction.

Designation of Agency			Acceptance of Agency		
Signature of Authorized Designator		Date (mm/dd/yyyy)	Signature of Contractor or Subcontractor Authorized Acceptor		Date (mm/dd/yyyy)
Name of Authorized Designator			Name of Contractor's or Subcontractor's Acceptor		
Name of Governmental Entity			Name of Contractor		
Address			Address		
City	State	ZIP	City	State	ZIP

This designation of agency form, when properly executed by both the contractor and the governmental entity, shall serve as evidence of the sales tax exempt status that has been conferred onto the contractor. No other exemption certificate form is necessary to claim exemption from sales taxes. The agency agreement evidenced by this sales tax exemption certificate must be implemented at the time of contract execution with the governmental entity. The contract between the governmental entity and his agent must contain provisions to authenticate the conferment of agency.