

Section 01110

**SUMMARY OF WORK**

**PART 1 GENERAL**

**1.01 SECTION INCLUDES**

- A. Summary of the Work including work by the City, City-furnished Products, work sequence, future work, Contractor use of Premises, special conditions for substantial completion and City occupancy.

**1.02 WORK COVERED BY CONTRACT DOCUMENTS**

- A. The purpose of the project is to construct paving, storm sewer, sidewalk, water line and wastewater line improvements. The benefitted area of the project includes street listed below.
- B. Work of the Contract is for construction of Magnolia Park Section 2 Area Drainage and Paving Improvements Project No. 460, WBS No.: M-410015-0001-3, which includes reconstruction of following streets:

STREET NAME	RECONSTRUCTION LIMITS	
	FROM	TO
Baltimore Street	S. 77 <sup>th</sup> Street (incl. dead end)	S. 80 <sup>th</sup> Street (incl. dead end)
Capitol Street	S. 77 <sup>th</sup> Street	S. 80 <sup>th</sup> Street (incl. dead end)
Dayton Street	S. 78 <sup>th</sup> Street (incl. dead end)	S. 80 <sup>th</sup> Street
Elwood Street	S. 78 <sup>th</sup> Street (incl. dead end)	S. 80 <sup>th</sup> Street
Ford Street	S. 78 <sup>th</sup> Street	S. 80 <sup>th</sup> Street
Goode Street	S. 79 <sup>th</sup> Street (incl. dead end)	S. 80 <sup>th</sup> Street
Hudson Street	S. 79 <sup>th</sup> Street (incl. dead end)	S. 80 <sup>th</sup> Street
Brays Street	S. 79 <sup>th</sup> Street	S. 80 <sup>th</sup> Street
S. 77 <sup>th</sup> Street	Harrisburg Blvd.	Capitol Street
S. 78 <sup>th</sup> Street	Harrisburg Blvd.	Ford Street
S. 79 <sup>th</sup> Street	Harrisburg Blvd.	Brays Street
S. 80 <sup>th</sup> Street	Harrisburg Blvd.	Brays Street

- C. Work on the contract is for construction of reinforced concrete paving, storm sewer lines, potable water lines, wastewater lines, street lighting and tree protection. This includes obtaining necessary permits from City of Houston, Harris Country Flood Control District and other jurisdictional entities, government and non-governmental

with oversight on this project, e.g. CenterPoint Energy, AT&T and others.

- D. Demolition and removal work includes but is not limited to removal of existing concrete and asphalt pavements, curbs and gutters, driveways and sidewalks, storm sewer pipes, water lines, sanitary sewer lines, inlets, trees, landscaping, Type III barricades, miscellaneous signs and sign foundations, mailboxes and other items, to facilitate construction of this project. The removal and disposal of miscellaneous abandoned utilities lines (all sizes), cables, etc. encountered during demolition or excavation activities shall be incidental to the cost of the demolition or excavation item.

Wooden mailboxes shall be temporarily relocated and re-installed following construction. Brick mailboxes that are in conflict with proposed construction will be removed and replaced with wooden mailbox following construction.

Traffic signs are to be removed, salvaged and returned to the City.

Existing concrete street monuments are to be temporarily removed and re-installed following construction.

- E. Water line construction includes the replacement of the existing water line with a proposed water line as follows:

1. Replacement of existing 4-inch and 6-inch water line with a proposed 8-inch water line using trenchless construction methods on the following streets:
  - a. Goode Street (Dead End Only)
  - b. Dayton Street (Dead End Only)
  - c. S. 78<sup>th</sup> Street
  - d. S. 77<sup>th</sup> Street
2. Tap water mains and furnish and install new service lines for water. Replace or relocated water meter boxes to grade.
3. Installation of fire hydrant assemblies. Remove and salvage existing fire hydrants in conflict with proposed improvements.
4. Contractor is responsible for maintaining waterline service lines/taps and adjusting if required at no additional cost. This is incidental to storm sewer and sanitary sewer construction.

- F. Sanitary sewer construction includes the replacement of the existing sanitary sewer line as follows:

1. Replacement of existing 6-inch and 8-inch wastewater line with a proposed 8-inch wastewater line using open cut construction methods on the following streets:
  - a. Baltimore Street
  - b. Capitol Street (77<sup>th</sup> to 79<sup>th</sup>, incl. dead end)
  - c. Dayton Street

- d. Elwood Street (78<sup>th</sup> to 79<sup>th</sup>)
  - e. Ford Street
  - f. Goode Street
  - g. Hudson Street
  - h. Brays Street
  - i. S. 78<sup>th</sup> Street (Elwood to Ford)
  - j. S. 80<sup>th</sup> Street (Harrisburg to Baltimore, Dayton to Elwood)
2. Replacement of existing 8-inch wastewater line with a proposed 10-inch wastewater line using open cut construction methods on the following streets:
    - a. S. 80<sup>th</sup> Street (Baltimore to Dayton)
  3. Replacement of existing 8-inch and 10-inch wastewater line with a proposed 12-inch wastewater line using open cut construction methods on the following streets:
    - a. Capitol Street (79<sup>th</sup> to 80<sup>th</sup>)
    - b. Elwood Street (79<sup>th</sup> to 80<sup>th</sup>)
    - c. S. 80<sup>th</sup> Street (Hudson to Elwood)
  4. Replacement of existing 15-inch and 18-inch wastewater line with a proposed 15-inch wastewater line using open cut construction methods on the following streets:
    - a. 79<sup>th</sup> Street (Brays to Elwood)
  5. Replacement of existing 18-inch wastewater line with a proposed 18-inch wastewater line using open cut construction methods on the following streets:
    - a. 79<sup>th</sup> Street (Elwood to Capitol)
  6. Contractor is responsible for maintaining wastewater service lines and adjusting/replacing if required at no additional cost. This is incidental to storm sewer construction.
- G. Storm construction includes the removal and replacement of existing storm sewer inlets, manholes, junction boxes, trunkline and leads. The project includes the reconstruction of two new outfall structures.
- H. PAVEMENT RECONSTRUCTION
1. Pavement construction includes the reconstruction of 2-lane undivided, 16 to 24 foot wide, asphalt road and roadside ditch with a 26 foot wide (face to face), curb and gutter section with 6-inch thick reinforced concrete pavement and 8-inch thick stabilized subgrade for the following streets:
    - a. Goode Street
    - b. Hudson Street
    - c. S. 77<sup>th</sup> Street
    - d. S. 78<sup>th</sup> Street
  2. Pavement construction includes the reconstruction of 2-lane undivided, 26 to

- 36 foot wide (face to face), asphalt road with concrete curb and gutter with a 26 foot wide (face to face), curb and gutter section with 6-inch thick reinforced concrete pavement and 8-inch thick stabilized subgrade for the following streets:
- a. Baltimore Street
  - b. Capitol Street
  - c. Dayton Street
  - d. Elwood Street
3. Pavement construction includes the reconstruction of 2-lane undivided reinforced concrete road with a 36 foot wide (face to face), curb and gutter section with 9-inch thick reinforced concrete pavement and 8-inch thick stabilized subgrade for the following streets:
- a. 79<sup>th</sup> Street
4. Pavement construction includes the reconstruction of 2-lane undivided, 16 to 26 foot wide, asphalt road and roadside ditch reinforced concrete road with a 26 foot wide (face to face), curb and gutter section with 9-inch thick reinforced concrete pavement and 8-inch thick stabilized subgrade for the following streets:
- a. Brays Street
  - b. 80<sup>th</sup> Street
5. Access to all driveways shall be maintained at all times unless Contractor notifies adjacent property owner(s) a minimum of seven days when access to driveways will be denied due to construction. Contractor shall provide access to driveways using the typical commercial and residential driveway opening details provided once construction activities permit. Any driveways with an existing width less than 12 ft will be widened to 12 ft to meet standard set by the City of Houston infrastructure design manual.
- I. Sidewalk work includes the reconstruction and widening of existing sidewalk and the new construction of sidewalk and curb ramps to meet the City of Houston's minimum 5 foot width. Pedestrian elements shall be constructed in accordance with City of Houston requirements, the American Disabilities Act and Texas Accessibility Standards. TDLR final inspection will be arranged by the Engineer and will be completed at the request of the Contractor prior to acceptance of the project.
- J. Tree protection work includes clearance pruning, tree protection fencing, root pruning, tree removal and tree replacement as required to comply with the City's Street Tree Ordinance.
- K. Traffic signing and pavement markings shall be installed per the plans. The Contractor shall inventory existing signs before construction and shall be responsible for safe-guarding existing signs so that they remain visible and upright.
- L. Street lighting work including installation of new street lights, pull boxes and

conduit, if applicable, shall be installed per the street lighting plan.

M. Contractor shall adhere to the Storm Water Pollution Prevention Plan as shown in the plans.

N. Geotechnical Investigation

1. For bidding and construction purposes, Bidder shall take full responsibility for interpretation and use of information contained in Geotest Engineering, Inc. Report No. 1140230801 dated [REDACTED] and entitled Geotechnical Investigation for Magnolia Park Section 2 Area Drainage and Paving Improvements WBS No. 410015-0001-3.

O. Environmental Site Investigations

1. For bidding and construction purposes, Bidder shall take full responsibility for interpretation and use of information contained in Geotest Engineering, Inc. Report No. 1130027001 dated March 15, 2018 and entitled Phase II Environmental Site Assessment for Magnolia Park Section 2 Area, Sub-Project 1 WBS No. 410015-0001-3.
2. Soil disposal in accordance with City of Houston Specification Sections 02105 and 02120 should be adhered to for the following project limits:
  - a. S. 78<sup>th</sup> Street from Sta. 12+00 to Sta. 15+00
  - b. S. 80<sup>th</sup> Street from Sta. 23+00 to Sta. 25+50
  - c. Baltimore Street from Sta. 22+00 to Sta. 24+00
  - d. S. 80<sup>th</sup> Street from Sta. 0+00 to Sta. 3+00
  - e. Cronimet Corporations Outfall from the corner of Brays Street and S. 80<sup>th</sup> Street to the Outfall
3. Activities related to excavation and handling of soils in the designated PPCA is regulated under the OSHA Construction Standard 29 CFR 1910 Subpart H.

P. Temporary Field Office – N/A

Q. Project Identification Sign

1. Refer to 01580 Project Identification Signs. The project has multiple sites. As work progresses, relocate signs as necessary.

R. General Notes

1. Refer to Plan Sheet Number 3 for all applicable general notes for this project.

S. Protection of Existing Irrigation Systems and Components.

1. All protection of irrigation systems and components in considered incidental

to the construction of the related project. No separate pay for replacement or repair of broken/damaged systems/components.

1.03 CASH ALLOWANCES

- A. Include the following specific Cash Allowances in Contract Price under provision of General Conditions Paragraph 3.11:
  - 1. N/A

1.04 ALTERNATES

- B. From the following list of Alternates, amount included in Contract Price for only those Alternates accepted by the City and listed in the fully executed Document 00520 – Agreement, Paragraph 3.2:
  - 1. N/A

1.05 CITY-FURNISHED PRODUCTS

- B. Items Furnished by the City for Installation and final connection by Contractor: Water meter.
- C. Contractor's Responsibilities:
  - 1. Arrange and pay for product delivery to the site.
  - 2. Receive and unload products at the site: jointly with the City, inspect for completeness or damage.
  - 3. Handle store, install and finish products.
  - 4. Repair or replace damaged items.

1.06 WORK SEQUENCE

- C. Construct the Work in Phases during the construction period; coordinate construction schedule and operations with the City, Houston Fire Department, Houston Police Department, HISD Transportation Department and U.S. Postal Office.
  - 1. No Phases for this Project.
- B. The Contractor shall prove and install traffic control devices in conformance with part VI of Texas Manual on Uniform Traffic Control Devices (TMUTCD) Latest edition with revisions during the entire construction period.
- C. Detour plan should be placed as shown in the drawings.
- D. Coordination of the Work: Refer to Section 01312 – Coordination and Meetings.

1.07 CONTRACTOR USE OF PREMISES

- E. Comply with procedures for access to the site and Contractor's use of rights-of-way as specified in Section 01145 - Use of Premises.
- F. Construction Operations: Limited to the City's rights-of-way provided by the City and areas shown or described in the Contract documents.
- G. Utility Outages and Shutdown: Provide a minimum of 48 hours notice to the City and private utility companies (when applicable), excluding weekends and holidays, in advance of required utility shutdown. Coordinate all work as required.

1.08 STREET CUT ORDINANCE

- A. Excavations on or under pavement in the City's right-of-way must have a permit. Comply with City of Houston, Texas Ordinance No. 2000-1115, an ordinance amending Chapter 40 of the Code of Ordinances, Houston, Texas, relating to excavating in the Public right-of-way.
- B. Comply with the latest edition of street cut New Pavement Repair and Pavement Replacement details.
- C. Quantities are included for street cut pavement repair and replacement in applicable Specification sections for Unit Price contracts.
- D. Include payment for street cut pavement repair and replacement in lump sum bid for Stipulated Price contracts.

1.09 WARRANTY

- A. Comply with warranty requirements in accordance with Document 00700 – General Conditions.

1.10 ADDITIONAL CONDITIONS FOR SUBSTANTIAL COMPLETION

- A. In addition to requirements outlined in Document 00700 – General Conditions, for Contractor to be substantially complete with the Work and call for inspection by Project Manager to confirm, the following conditions must be met or completed:
  - 1. All Safety related work including pavement stripping, signing and signalization.
  - 2. All pay items complete report.
  - 3. Contractor shall contact Construction Project Manager to complete Texas Department of Licensing and Regulation Post Construction Inspection of pedestrian elements for Texas Accessibility Standards.
- B. No additional condition described in Paragraph 1.10 may be included in Contractor's

punch list.

PART 2 P R O D U C T S - Not Used

PART 3 E X E C U T I O N - Not Used

END OF SECTION