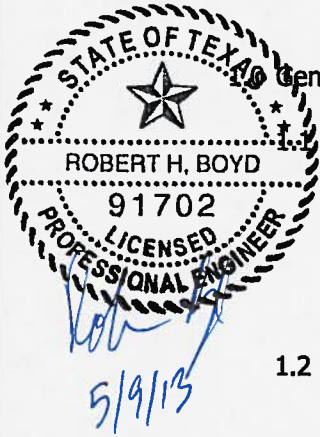


Bidding Requirements, Contract Forms and Conditions of the Contract
Technical Specifications **Section 00700**

General Specifications



These specifications shall cooperate with the accompanying plans in every detail so that any item or any work that may be specified herein and not shown on the plans, or vice-versa, is to be executed the same as if occurring in both. Any items of labor or materials which are not shown on the drawings or mentioned in these specifications but are nevertheless necessary for the proper completion of the construction, are to be provided for by the CONTRACTOR in this bid.

- 1.2 Should any drawings or figures be omitted on the scale which are necessary for a clear and comprehensive understanding, it will be the duty if the CONTRACTOR to advise the proper parties and in no case proceed with work in uncertainty.
- 1.3 All labor is to be performed in a skillful, thorough manner.
- 1.4 All material to be of the dimension and grade as herein specified.
- 1.5 The CONTRACTOR and all SUBCONTRACTORS shall comply with all federal, state and local laws, codes and ordinances applicable to the work including, but not limited to, preparing and implementing a Storm Water Pollution Prevention Plan (SW3P) and compliance with the temporary BMPs outlined in the TCEQ approved Contributing Zone Plan (CZP). Applicable Erosion Control Sheet from the TCEQ approved CZP have been provided. CONTRACTOR may request entire TCEQ approved CZP.
 - 1.5.1 The CONTRACTOR shall be responsible for obtaining and paying for any and all permits and fees required in the execution of the work.
 - 1.5.2 Under no circumstances shall any work be started before the required permits are obtained or fees paid.
 - 1.5.3 The OWNER shall be furnished with certified copies of all permits.
 - 1.5.4 The CONTRACTOR shall cooperate with all local and other governmental officials and inspectors at all times.
- 1.6 The CONTRACTOR shall protect all persons and property throughout the progress until the completion of the work.
 - 1.6.1 Work shall proceed in such a manner as to minimize the spread of dust and flying particles and to provide safe working conditions for all personnel.
 - 1.6.2 Work shall proceed in such a manner as will not interfere with existing surface drainage in the streets and areas adjacent to the project.
 - 1.6.3 CONTRACTOR shall be responsible for all traffic control and shall follow the Texas Manual on Uniform Traffic Control Devices (TMUTCD) accordingly. CONTRACTOR shall leave one lane of traffic open at all times during the project.
- 1.7 During the course of their work, all craftsmen and tradesmen shall protect all work which precedes theirs from damage and they shall make repairs and/or replacements of any damage caused either directly or indirectly by them.

Bidding Requirements, Contract Forms and Conditions of the Contract
Technical Specifications **Section 00700**

- 1.8 CONTRACTOR is responsible for providing all necessary materials, labor and equipment to complete the project. All waste material must be removed from the site at the CONTRACTOR'S sole expense.
- 1.9 Limits of the parking lot have been established by the OWNER and marked in the field accordingly. Cut and fill elevations to final grade have also been marked by OWNER in the field on wooden lathes.
- 1.10 CONTRACTOR shall lay out and correctly establish all lines, levels, grades and positions of all parts of the work, and shall be responsible for their accuracy and proper correlation with existing control lines, monuments and data points. Control lines, monuments and data points shall be carefully preserved by the CONTRACTOR, and if displaced, shall be reset by the CONTRACTOR at the CONTRACTOR'S own expense. All such resetting work shall be subject to the OWNER's approval.

2.0 Preparing ROW (TxDOT Specification 100)

- 2.1 CONTRACTOR shall clear areas shown on the plans within the area of the proposed parking area. CONTRACTOR shall clear all obstructions

3.0 Excavation (TxDOT Specification 110)

- 3.1 CONTRACTOR shall excavate areas as shown on the plans and as outlined in the field by wooden lathes established by the OWNER.
- 3.2 Compaction of subgrade shall comply with Article 132.3.D of the TxDOT Standard Specifications.
- 3.3 Testing of compaction shall be performed by laboratory hired by OWNER.
- 3.4 Any excess excavation may be left on site in area designated by the OWNER.

4.0 Embankment (TxDOT Specification 132)

- 4.1 CONTRACTOR shall furnish, place and compact materials for construction of embankment in areas as shown on the plans and as outlined in the field by wooden lathes established by the OWNER.
- 4.2 Compaction of embankment shall comply with Article 132.3.D of the TxDOT Standard Specifications.
- 4.3 Testing of compaction shall be performed by laboratory hired by OWNER.

5.0 Topsoil (TxDOT Specification 160)

- 5.1 Topsoil shall be placed in the medians to the limits shown on the plans to a depth of four inches (4").
- 5.2 CONTRACTOR shall ensure that the finished elevation of the topsoil shall be at the same elevation as the finished elevation of the hot mix parking lot.

6.0 Hydromulch (TxDOT Specification 164)

6.1 CONTRACTOR shall place bermudagrass by the cellulose fiber mulch seeding construction method in the areas of the medians as shown on the plans. Cellulose fiber mulch seeding shall be placed at a rate of 2,500 lb. per acre.

7.0 Flexible Base (TxDOT Specification 247)

7.1 CONTRACTOR shall place six inches (6") of Type A Grade 2 flexible base material to the limits shown on the plans and marked in the field. Requirement of measurement of six inches of flexible base shall be post-compaction.

7.2 Flexible base shall be compacted to 95% of the maximum density determined by the testing laboratory.

7.3 Maximum lift of pre-compacted flexible base shall be eight inches (8").

7.4 Medians within the parking lot shall not have flexible base placed in the limits shown on the plans.

8.0 Surface Treatment (TxDOT Specification 316)

8.1 CONTRACTOR shall place prime coat (CSS-1H) at a rate of 0.15 gallons per square yard to treat the compacted base.

8.2 CONTRACTOR shall place a two course surface treatment according to the following specifications:

8.2.1 First course tack coat shall be HFRS-2P placed at a rate of 0.40 gallons per square yard.

8.2.2 First course stone shall be Grade 3, Type B, placed at a rate of one (1) cubic yard per ninety (90) square yards.

8.2.3 Second course tack coat shall be HFRS-2P placed at a rate of 0.37 gallons per square yard.

8.2.4 Second course stone shall be Grade 4, Type PB placed at a rate of one (1) cubic yard per one hundred (100) square yards.

8.3 Medians shall not have surface treatment placed in the limits shown on the plans.

9.0 Excavation and Backfill for Structures (TxDOT Specification 400)

9.1 CONTRACTOR shall excavate to the lines and grades shown on the plans for two (2) 36' long 5' x 3' concrete box culverts at the location shown on the plans. The inlet of the culverts will be 791.96' and the outlet of the culverts will be at 791.58'. CONTRACTOR must grade to drain the outlet of the culverts.

10.0 Concrete Structures (TxDOT Specification 420)

10.1 CONTRACTOR shall place two (2) 36' long 5' x 3' concrete box culverts at the location and elevation shown on the plans.

Bidding Requirements, Contract Forms and Conditions of the Contract
Technical Specifications **Section 00700**

- 11.0 Headwalls and Wingwalls (TxDOT Specification 466)
- 11.1 CONTRACTOR shall place two (2) headwalls, one at each end of the drainage structure shown on the plans.
- 11.2 CONTRACTOR shall construct headwalls in accordance with TxDOT Standard, PW, Concrete Wingwalls with Parallel Wings for Box Culverts Types PW-1 and PW-2.
- 12.0 All aspects of construction shall be in accordance with the 2004 Texas Department of Transportation Standard Specifications for Construction and Maintenance of Highways, Streets, and Bridges. A copy of these specifications can be found at the website, <http://www.dot.state.tx.us/business/specifications.htm>