

TRINITY RAILWAY EXPRESS (TRE)  
TRINITY LAKES PARKING LOT PROJECT  
CONTRACT NO. 23-026

**SPECIFICATIONS**  
**TABLE OF CONTENTS**

THE FOLLOWING SPECIFICATIONS INVOKE, MODIFY, AND SUPPLEMENT THE DART “FACILITIES STANDARD SPECIFICATIONS”, DATED MAY 2016.

THE ORGANIZATION AND SEQUENCE OF ARTICLES AND PARAGRAPHS IN THESE SPECIFICATIONS SECTIONS ARE ALIGNED WITH LIKE IDENTIFIED ARTICLES AND PARAGRAPHS CONTAINED IN THE REFERENCED STANDARDS SPECIFICATIONS SECTIONS.

ACCORDINGLY, ARTICLES AND PARAGRAPHS IN THESE SPECIFICATIONS WHICH SPECIFY MODIFICATIONS SHALL BE UNDERSTOOD TO MEAN MODIFICATIONS TO THE PROVISIONS CONTAINED IN LIKE NUMBERED AND TITLED ARTICLES AND PARAGRAPHS IN THE REFERENCED STANDARDS SPECIFICATIONS SECTIONS.

REFERENCES TO DART, DALLAS AREA RAPID TRANSIT, OR VARIOUS DART PERSONNEL NOT ALREADY MODIFIED WITH A TRE TRINITY LAKES PARKING LOT SPECIAL SPECIFICATIONS ARE UNDERSTOOD TO REFER TO FWTA, TRE, FORT WORTH TRANSPIRATION AUTHORITY, TRINITY RAILWAY EXPRESS, OR FWTA/TRE PERSONNEL. THIS DOES NOT INCLUDE REFERENCES TO THE DART STANDARD OR SUPPLEMENTAL SPECIFICATIONS.

LEGEND

- FIRST COLUMN (STD SPECS): INDICATES STANDARD SPECIFICATION SECTION APPLIES TO THIS PROJECT.
- SECOND COLUMN (STD SUPP): INDICATES STANDARD SPECIFICATION SUPPLEMENT APPLIES TO THIS PROJECT.
- THIRD COLUMN: (TRE Trinity Lakes Parking Lot Project): INDICATES PROJECT SPECIFIC SPECIFICATIONS.
- FOURTH COLUMN: (Texas Department of Transportation (TxDOT)): INDICATES PROJECT SPECIFIC SPECIFICATIONS.

STD SPECS	STD SUPP	TRE TRINITY LAKES PARKING PROJECT	TXDOT SPECS	DIVISION 1 - GENERAL REQUIREMENTS	
				SECTION NUMBER	
●				01001	General Requirements
●	●			01010	Summary of the Work
●				<del>01047</del>	<del>System Safety Program</del>
●				01086	Color Codes and Color Standards
●				01220	Measurements and Payment
●	●			01312	Project Meetings
●	●			01320	Construction Schedule and Progress Reports
●				<del>01321</del>	<del>Construction Schedule and Progress Reports for Small Projects</del>
●	●			01330	Submittals
●				01340	Shop Drawings, Product Data and Samples
●	●			01345	Construction Photographs
●				01423	Reference Standards
●				01430	Contractor's Quality Assurance
●	●			01450	Quality Control
●				01454	Field Samples and Mock-Ups
●	●			01500	Temporary Facilities and Services
●				01505	Mobilization
●				01532	Tree and Shrub Protection and Care
●				<del>01533</del>	<del>Temporary Decking</del>
●	●			01560	Environmental Protection
●	●			01562	Soil Erosion and Sediment Control
●				01570	Maintenance and Control of Traffic
●	●			01580	Project Signs
●				01600	Product Requirements
●				01630	Product Substitution Procedures
●				<del>01640</del>	<del>Authority Furnished Materials and Equipment</del>
●				01715	Pre-Construction Inspection
●	●			01722	Field Engineering – Surveying
●				01731	Cutting and Patching
●				01740	Cleaning
●	●			01770	Contract Closeout
●	●			01785	Project Record Documents
●	●			01786	Operation and Maintenance Instructions
●				01790	Spare Parts and Maintenance Materials

STD SPECS	STD SUPP	TRE TRINITY LAKES PARKING PROJECT	TXDOT SPECS	DIVISION 2 – SITE CONSTRUCTION	
				SECTION NUMBER	
		●		02060	Soil Erosion and Sediment Control
		●		02072	Removal and Restoration of Miscellaneous Existing Facilities
		●		02100	Site Preparation
		●		02220	Grading, Excavation and Backfilling
		●		02221	Utility Excavation and Backfill
		●		02230	Base for Pavements
		●		02244	Soil Stabilization Lime Treatment
		●		02271	Ditch Lining and Slope Protection
		●		02525	Combined Curb and Gutter, Curb Ramps, and Walks
		●		02550	Concrete Pavement
		●		02560	Site Improvements
		●		02580	Pavement Markings and Delineators
		●		02600	Maintenance and Control of Traffic
		●		02700	Storm Sewer Systems
●				02780	Underground Electrical and Communication Distribution Systems
		●		02810	Planting Irrigation
		●		02831	Bollards
		●		02845	Aluminum Signs
		●		02850	Traffic Control
		●		02910	Topsoil and Finished Grading
		●		02920	Lawns and Grasses
		●		02930	Planting
		●		02931	Seeding and Sodding – Non-Irrigated Areas

STD SPECS	STD SUPP	TRE TRINITY LAKES PARKING PROJECT	TXDOT SPECS	DIVISION 3 – CONCRETE	
				SECTION NUMBER	
		●		03100	Concrete Formwork
		●		03200	Concrete Reinforcement
		●		03300	Cast-In-Place Concrete
		●		03305	Portland Cement Concrete
		●		03350	Concrete Finishing

STD SPECS	STD SUPP	TRE TRINITY LAKES PARKING PROJECT	TXDOT SPECS	DIVISION 16 - ELECTRICAL	
				SECTION NUMBER	
●				16110	Conduit and Raceways
●				16801	Basic Technical Requirements – Communication System
●				16837	Miscellaneous Components and Products – Communications System
●				16841	Communications Cable – Communications System
●				16845	Fiber Optic Cable Subsystem - Communications Systems
●				16850	Basic Electrical Materials and Methods - Communications Systems
●				16876	Grounding and Bonding - Communications Systems
●				16879	Power Supplies and Distribution - Communications Systems
		●		16880	Video Ip System - Communications System
●				16897	Manuals and Training - Communications Systems
●				16899	Technical Support and Spares - Communications Systems

**SECTION 01312  
PROJECT MEETINGS**

The provisions of the DART Standard Specification Supplement Section 01312, "Project Meetings", shall apply to the Work as modified herein.

**PART 1 – GENERAL**

**1.2 TYPES OF MEETINGS:** Change Paragraphs 1.2 to read as follows:

- B. Omit
- E. Omit
- G. Omit

**1.4 INITIAL COORDINATION MEETING:** The Initial Coordination Meeting shall be combined with the Pre-Construction Conference

**1.6 MONTHLY PROGRESS STATUS UPDATE:** Entire section Omitted

**1.8 CONTRACTOR'S QUALITY CONTROL MEETING:** Entire section Omitted

**END OF SECTION 01312**

**SECTION 01320  
CONSTRUCTION SCHEDULE AND PROGRESS REPORTS**

The provisions of the DART Standard Specification Supplement Section 01320, "Construction Schedule and Progress Reports", shall apply to the Work as modified herein.

**PART 1 – GENERAL**

**1.1 DESCRIPTION:** Change Section 1.1/B/2/b to read as follows:

- B.
  - 2.
    - b. Three Week Look Ahead

**1.3 CONSTRUCTION SCHEDULE PROCEDURE:** Change Section 1.3/B to read as follows:

- B. Contractor shall prepare the Construction Schedule, Schedule Reports, and Schedule Data Files using Primavera P6, MS Project, or any other software approved by the authority.

**1.4 IN-HOUSE CAPABILITY:** Change Paragraphs 1.4/C/1 to read as follows:

- C. It is the contractor's responsibility to provide an accurate, detailed, and timely schedule in compliance with specifications. The contractor shall have a scheduler whose is qualified in CPM scheduling techniques. The scheduler shall have responsibility for monitoring status, updating progress and revising the Contract Schedule to reflect current contract status.

**1.5 SUBMITTALS:** Change Paragraphs 1.5/A/1.b to read as follows:

- A.
  - 1.
    - b. Omit

**PART 2 - PRODUCTS**

**2.3 SCHEDULE DATA FILES:** Change Section 2.3/A to read as follows:

- A. An electronic copy of schedule data files shall be submitted in its native file format.

**PART 3 - EXECUTION**

**3.1 PERFORMANCE CONDITIONS:** Change Section 3.1/D/1 to read as follows:

- D.
  - 1. If, in the opinion of the Contracting Officer, the Contractor is failing to achieve the Contractual Milestone Dates, as required in the current monthly update, the Contractor shall submit a recovery plan, in the form of a Three Week Look Ahead, electronic back-up file and narrative, for the Contracting Officer's approval within 3 days of notification.

**APPENDIX C**

**TO SECTION 01320**

**SCHEDULE OF VALUES**

**I. WORK STRUCTURE:** Change Items I/A/1-5 as follows:

- A. In order to achieve a standardized coding structure, the following activity code definitions are required as a minimum:
  - 1. TRE Project Code
  - 2. TRE Function Code
  - 3. TRE Contract Number.

4. Pay Item Number
5. Area of Work
6. Sub-Area of Work

**II. ACTIVITY CODES DICTIONARY:** Change Items as follows:

<u>Name</u>	<u>Length</u>	<u>Description</u>
PROJ	9	TRE Project Code
FUNC	4	TRE Function Code
CONT	10	TRE Contract Number
PAY	6	Pay Item Number
AREA	6	Area of Work
SUBA	4	Sub-Area of Work

Note: Procurement should be and “AREA” and Submittal, Submittal Review by Contractor, TRE Approval and Delivery should all be “SUB AREAS” of work.

**III. ACTIVITY CODES DEFINITIONS:** Change Items III/1-6 as follows:

1. TRE Project Codes (PROJ): As Assigned by the Authority.
2. TRE Function Codes (FUNC): As Assigned by the Authority.
3. TRE Contract Number (CONT): As Assigned by TRE Contract Department.
4. Pay Item Number (PAY): As per the associated Item number in the Bid schedule.
5. Area of Work (AREA): As assigned by Contractor.
6. Sub-Area of Work (SUBA): As assigned by Contractor.

**END OF SECTION 01320**

**SECTION 01330  
SUBMITTALS**

The provisions of the DART Standard Specification Section 01330, "Submittals", shall apply to the Work as modified herein.

Replace Figure NO. 01330-1 with figure below:

**FIGURE NO. 01330-1**

**Review/Disposition Stamp**

\_\_\_\_ APPROVED

\_\_\_\_ APPROVED, AS NOTED

\_\_\_\_ CORRECT AND RESUBMIT \_\_\_\_ CONFIRM

\_\_\_\_ DISAPPROVED

Approval does not relieve the Contractor from responsibility for any errors or omissions in these submittals and/or shop drawings or from the responsibility for complying with the requirements of this Contract (except as otherwise provided under the provisions of the "Specifications and Drawings" clause of this contract).

**TRINITY METRO**

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

By: \_\_\_\_\_

**END OF SECTION 01330**



**SECTION 01345  
CONSTRUCTION PHOTOGRAPHS**

The provisions of the DART Standard Specification Supplement Section 01345, "Construction Photographs", shall apply to the Work as modified herein.

**PART 1 – GENERAL**

**1.1 DESCRIPTION:** Change Section 1.1/A to read as follows:

- A. Work specified in this section includes utilizing a qualified photographer to take construction record photographs periodically during the course of the Work.

**1.3 NEGATIVES AND PRINTS:** Omit entire section

**1.5 DELIVERY AND COORDINATION:** Change Paragraphs 1.5/A to read as follows:

- A. Provide electronic files of the construction photographs.

**END OF SECTION 01345**

**SECTION 01500**  
**TEMPORARY FACILITIES AND SERVICES**

The provisions of the DART Standard Specification Section 01500, "Temporary Facilities and Services", shall apply to the Work as modified herein.

**PART 1 – GENERAL**

**1.12. CONTRACTOR'S FACILITY**

- A. In accordance with the General Provisions Paragraph, "OPERATIONS AND STORAGE AREAS", submit working drawings showing the proposed locations and sizes of staging area, offices, storage areas, shops, security fencing, stationary equipment, and similar facilities. The Contractor's Facility is optional, if the Contractor utilizes a temporary facility then they must follow the requirements outlined in this specification.

**1.14. CONTRACTING OFFICER'S FACILITY: Entire section Omitted**

**1.17. ACCESS TO FIRE HYDRANTS AND FIRE ALARM BOXES: Change Paragraph 1.16/B to read as follows:**

- B. Safeguard, maintain, and protect the wires, cables, ducts, manholes, posts and poles, signals, and alarm boxes of others and FWTA/TRE. Do not cause interruption to the fire department fire alarm service, and in case of accident, promptly notify the fire department. Do not disturb fire department wire, cable, duct, manhole, post or pole, signal or fire alarm box except in the presence of the representative of the local fire department. In case such wire, cable, duct, manhole, post or pole, signal, or fire alarm box is disturbed, restore immediately to its original condition, and notify the Contracting Officer.

**END OF SECTION 01500**

**SECTION 01562**  
**SOIL EROSION AND SEDIMENT CONTROL**

The provisions of the DART Standard Specification Section 01562, "Soil Erosion and Sediment Control", shall apply to the Work as modified herein.

**PART 1 - GENERAL**

**1.1. DESCRIPTION:** Change Paragraph 1.1/A to read as follows:

- A. This section specifies soil erosion and sediment control measures and stabilization practices required during construction in order to help minimize to level of pollutants in storm water run-off from FWTA/TRE construction sites.

**1.4. PERFORMANCE REQUIREMENTS (PERMIT APLICABILITY AND COVERAGE):** Change the second sentence of 1.4/D/1/e and Change Paragraph 1.4/F/4 and the first sentence of 1.4/F/5 to read as follows:

D.

- e. In either case, the ECM shall only perform duties directly related to environmental compliance, be at the job site minimum once per week and immediately upon any occurrences, and be delegated the comprehensive authority necessary to enforce the Contractor's compliance with the applicable Federal, state and local environmental laws, regulations and ordinances.

F.

- 4. The Contractor shall be responsible for completing and posting the NOI for public information as required by the CGP.
- 5. Prior to being granted "Substantial Completion of the project", the Contractor shall request through the Contracting Officer a field inspection.

**1.5. STORM WATER POLLUTION PREVENTION PLAN:** Change 1.5/A to read as follows:

- A. The Contractor shall prepare the SWP3 for this project that meets the requirements of the CGP; the Municipal Storm Water Discharge Permit issued to the Jurisdictional Entity; and other local codes, standards and regulations.

**END OF SECTION 01562**

**SECTION 01785  
PROJECT RECORD DOCUMENTS**

The provisions of the DART Standard Specification Section 01785, "PROJECT RECORD DOCUMENTS", shall apply to the Work as modified herein.

**PART 1 - GENERAL**

**1.2. REFERENCED STANDARDS:**

- B. Removed
  - 1. Removed

**1.5. WORKING (AS-BUILT) DRAWING SET**

- H. Omit

**1.6. RECORD (AS-BUILT) DRAWING SET**

- C. Contractor shall use prints of the full-size drawings for its Working (As-Built) Drawing set and shall transfer the information from the Working (As-Built) Drawing set to the **half**-size Record (As-Built) Drawing set for final delivery to the Contracting Officer.

- I. Omit

**1.11. Omit**

**1.12. Omit**

**1.13. Omit**

**END OF SECTION 01785**