

GENERAL NOTES AND SPECIFICATION DATA--

***** SPECIFICATION DATA *****
* TEST TO BE IN ACCORDANCE WITH TEXAS DEPARTMENT OF TRANSPORTATION STANDARD TEST METHODS *
* GRADING REQUIREMENTS * CONSTANTS * BALL * NOTE *

* ITEM* DESCRIPTION * ALL * PT *
* * * * % RETAINED, SIEVES * MAX * MAX * MIN * MAX * *

* 132 * EMBK (DC) (TY C) (CL 3) * * * 40 8 * * 1 *

NOTE:
(1) BASE MATERIAL WEIGHT BASED ON 110 LB/CF (DRY-COMPACTED)

* MINIMUM COMPACTION REQUIREMENTS FOR BASE COURSES *
* % DENSITY AS DETERMINED BY COMPACTION RATIO (TEX-115-E) *

* ROADWAY * RAMPS *
* ITEM* MATERIAL * COURSE * DENSITY * COURSE * DENSITY *

* 276 * CEM TRT BS (STR-M) * ALL * 95 * N/A * N/A * *

BASIS OF ESTIMATE FOR PERMANENT CONSTRUCTION

ITEM	DESCRIPTION	RATE	UNIT	QUANTITY
166	* FERT (12-12-12)	400 #/AC	0.05 AC	0.01 TON
168	* VEGETATIVE WATERING	14 MG/AC	0.05 AC	0.7 MG
300	* ASPHALTS, OILS AND EMULSIONS	0.10 GAL/SY	8106 SY	810.6 GAL

BASIS OF ESTIMATE FOR TEMPORARY EROSION CONTROL ITEMS

SPECIFICATION DATA

06/11

SHEET A

GENERAL NOTES AND SPECIFICATION DATA--

ITEM	DESCRIPTION	RATE	UNIT	QUANTITY
5012	BACKHOE WORK	12 CY/HR	120.0 CY	10.0 HR

* FOR CONTRACTOR'S INFORMATION ONLY.
** PER APPLICATION--4 APPLICATIONS REQUIRED.

GENERAL:

BENCH MARKS AND ELEVATIONS ARE SHOWN ON THE PLANS.

PRIOR TO CONTRACT LETTING, REPRODUCIBLE EARTHWORK CROSS SECTIONS WILL BE AVAILABLE AT THE DISTRICT OFFICE FOR BORROWING BY COPYING--SERVICE COMPANIES FOR THE PURPOSE OF MAKING COPIES FOR THE PROSPECTIVE BIDDERS, AT THE PROSPECTIVE BIDDER'S EXPENSE.

THE CONSTRUCTION, OPERATION AND MAINTENANCE OF THIS PROPOSED PROJECT WILL BE CONSISTENT WITH THE STATE IMPLEMENTATION PLAN AS PREPARED BY THE TEXAS AIR CONTROL BOARD.

THE DETERMINATION OF THE LIQUID LIMIT OF SOILS SHALL BE IN ACCORDANCE WITH TEST METHOD TEX-104-E.

UPON REQUEST OF THE ENGINEER, THE CONTRACTOR SHALL FURNISH TO THE ENGINEER A NARRATIVE REPORT, SIGNED AND DATED BY THE CONTRACTOR, OUTLINING THE MANNER OF PROSECUTION OF WORK THAT HE INTENDS TO FOLLOW IN THE SUBSEQUENT SEVEN DAY PERIOD.

IF AT ANY TIME DURING THE CONSTRUCTION OF THIS PROJECT THE CONTRACTOR FALLS MORE THAN 30 DAYS BEHIND HIS SCHEDULE SUBMITTED UNDER THE PROVISIONS OF ARTICLE 8-2 HE SHALL FURNISH THE ENGINEER WITH AN UPDATED REALISTIC CONSTRUCTION SCHEDULE.

ERECTION OF POLES, LUMINAIRES AND STRUCTURES LOCATED NEAR ANY OVERHEAD OR UNDERGROUND UTILITIES SHALL BE ACCOMPLISHED USING ESTABLISHED INDUSTRY AND UTILITY SAFETY PRACTICES. THE CONTRACTOR SHALL CONSULT WITH THE APPROPRIATE UTILITY COMPANY PRIOR TO BEGINNING SUCH WORK.

THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING AN ACCURATE VERTICAL AND HORIZONTAL CONTROL THROUGHOUT THE CONTRACT. SURVEY MONUMENTS, FURNISHED BY THE DEPARTMENT, SHALL BE PLACED BY THE CONTRACTOR AT POINTS INDICATED AND AS DETAILED IN THE PLANS OR AS

SPECIFICATION DATA

06/11

SHEET B

GENERAL NOTES AND SPECIFICATION DATA--

GENERAL: CONT'D
DIRECTED BY THE ENGINEER, THE CONTRACTOR SHALL FURNISH THE RESIDENT ENGINEER SURFACE CORRDINATES AND THE ELEVATION OF THE SET MONUMENT AND AN AZIMUTH FROM THE MONUMENT TO SOME PROMINENT PHYSICAL FEATURE. PREFERABLY ANOTHER SURVEY MONUMENT ON THE PROJECT. THIS WORK WILL NOT BE PAID FOR DIRECTLY BUT SHALL BE CONSIDERED SUBSIDIARY TO THE VARIOUS BID ITEMS.

THE CONTRACTOR SHALL MAKE EVERY EFFORT TO PRESERVE EXISTING TREES DESIGNATED BY THE ENGINEER TO REMAIN FOLLOWING CONSTRUCTION. THE CONTRACTOR IS REQUESTED TO FOLLOW THE TEXAS DEPARTMENT OF TRANSPORTATION'S PRUNING GUIDELINES AND OBSERVE RECOGNIZED TREE SURGERY PRACTICES. ADDITIONALLY, CARE SHALL BE TAKEN TO MINIMIZE DISRUPTION OR DAMAGE TO THE ROOT SYSTEM OF THESE DESIGNATED TREES.

THE CONTRACTOR IS RESPONSIBLE FOR STABILIZING ALL UNPAVED AREAS OF THE PROJECT WITH A MINIMUM 70% DENSITY OF VEGETATIVE COVER. THIS IS TO BE ACCOMPLISHED UTILIZING THE ITEMS IN THIS CONTRACT.

THE CONTRACTOR SHALL LOCATE ALL UTILITIES, BOTH UNDERGROUND AND ABOVE GROUND, IN THE PROJECT AREA PRIOR TO BEGINNING WORK SO THAT CONFLICTS ARE AVOIDED.

THE CONTRACTOR'S ATTENTION IS DIRECTED TO THE POSSIBLE PRESENCE OF UNDERGROUND UTILITIES OWNED BY THE TOWN OF ADDISON OR OTHER ENTITIES (IRRIGATION, SIGNAL, ILLUMINATION AND/OR SURVEILLANCE, COMMUNICATION AND CONTROL) ON THE RIGHT OF WAY ON THIS PROJECT. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO CALL JEFF MARKIEWICZ (972-450-2860) AT THE ADDISON PUBLIC WORKS DEPT. AT LEAST 48 HOURS IN ADVANCE OF EXCAVATION.

THE CONTRACTOR SHALL TAKE EXTREME CARE WHEN EXCAVATING IN THE VICINITY OF UTILITIES. THE CONTRACTOR MAY BE REQUIRED TO PROBE OR EXPOSE THESE FACILITIES. THE CONTRACTOR WILL BE RESPONSIBLE FOR DAMAGES TO ANY UTILITIES IF THE DAMAGE IS CAUSED BY NEGLIGENCE OR A FAILURE TO HAVE TXDOT LOCATES PERFORMED.

THE FOLLOWING STANDARD DETAIL SHEETS HAVE BEEN MODIFIED:

TS-FD-96

THE CONTRACTOR'S ATTENTION IS CALLED TO THE SEQUENCE OF CONSTRUCTION SHEET, THE PAVING AND DRAINAGE PLAN/PROFILE SHEETS, AND THE REMOVAL PLAN SHEETS FOR ADDITIONAL GENERAL NOTES.

SPECIFICATION DATA

06/11

SHEET C

GENERAL NOTES AND SPECIFICATION DATA--

GENERAL: CONT'D
IF SWEEPING, PLANNING OR OTHER CLEANUP OPERATIONS RESULT IN DUST BECOMING AN ENVIRONMENTAL PROBLEM, THE ENGINEER MAY REQUIRE THE CONTRACTOR TO USE VACUUM-TYPE SWEEPER EQUIPMENT TO REPLACE CONVENTIONAL SWEEPERS.

ALL PRE-BID QUESTIONS RECEIVED, ALONG WITH TXDOT RESPONSE, CONCERNING THESE PLANS WILL BE RECORDED AND AVAILABLE FOR VIEWING AND/OR COPING BY ANY INTERESTED PARTY AT THE NORTHWEST AREA OFFICE, 12000 GREENVILLE AVE., DALLAS, TEXAS 75243-3506, TELEPHONE NUMBER 972/235-7797.

ANY NECESSARY PILOT MARKINGS FOR ANY STRIPING OPERATION SHALL BE THE SAME COLOR AS THE PROPOSED STRIPE. PILOT MARKINGS SHALL BE LIMITED TO ONE (1) 2 INCH DIAMETER MARK FOR EACH 100 FEET OF STRIPE. ALL PILOT MARKINGS SHALL BE TOTALLY OBLITERATED AFTER COMPLETION OF THE STRIPING OPERATION.

ITEM 6:

THE CONTRACTOR WILL BE REQUIRED TO FURNISH THE ENGINEER WITH A COPY OF CALCULATIONS AND MEASUREMENTS FOR ALL VEHICLES DESCRIBED IN ARTICLE 6.7 AS MAY BE NECESSARY TO ESTABLISH THE MAXIMUM LEGAL WEIGHT FOR EACH VEHICLE HAULING MATERIALS ON OR DELIVERING MATERIALS TO THE PROJECT. THESE WILL BE PROVIDED PRIOR TO THE UNLOADING OF THE VEHICLE INVOLVED AND WILL BE USED AS A BASIS FOR ENFORCING THE ACCEPTANCE PROVISIONS OF THIS ITEM FOR THE VEHICLE FOR THE DURATION OF THE PROJECT. THE MEASUREMENTS AND CALCULATIONS SHALL BE NEAT, LEGIBLE AND ON A GOOD GRADE OF PAPER SUITABLE FOR FILING FOR A PERMANENT RECORD. MEASUREMENTS AND CALCULATIONS SHALL AS MINIMUM, CONSIST OF: THE DATES MEASURED AND CALCULATED, THE NAMES AND SIGNATURES OF THE PERSONS MAKING THEM, THE LICENSE NUMBER OR OTHER IDENTIFYING MARK ON THE VEHICLE, AND A SKETCH OR DESCRIPTION OF THE VEHICLE. VEHICLES NOT OWNED, LEASED, HIRED OR OTHERWISE UNDER THE CONTROL OF THE CONTRACTOR OR HIS SUBCONTRACTORS USED FOR THE DELIVERY OF MATERIALS FROM COMMERCIAL SOURCES MAY BE EXEMPTED FOR THIS REQUIREMENT PROVIDED THE CONTRACTOR MAKES USFFICIENT SPOT CHECKS OF VEHICLES FOR EACH SOURCE TO SATISFY THE ENGINEER THAT OVERLOADING IS NOT OCCURRING. COPIES OF MEASUREMENTS AND CALCULATIONS WILL BE FURNISHED, AS DESCRIBED ABOVE AS EVIDENCE OF SPOT CHECKS. FURNISHING OF THE ABOVE DESCRIBED MATERIALS BY THE CONTRACTOR WILL CONSTITUTE CERTIFICATION BY HIM AS TO THE ACCURACY OF THE MEASUREMENTS AND CALCULATIONS THEREON. FULFILLING OF THE ABOVE REQUIREMENTS WILL NOT BE PAID FOR DIRECTLY BUT WILL BE SIBSIDIARY TO THE VARIOUS BID ITEMS.

SPECIFICATION DATA

06/11

SHEET D

GENERAL NOTES AND SPECIFICATION DATA--

ITEM 100:

THE LIMITS OF PREPARING RIGHT-OF-WAY WILL BE MEASURED FROM STA. 47+55.63 TO STA. 56+81.18 AND FROM STA. 87+43.34 TO STA. 95+75.73 ALONG THE CENTERLINE OF CONSTRUCTION.

TIMBER SHALL BE CLEARED ONLY FROM THOSE AREAS DESIGNATED BY THE ENGINEER.

ITEM 104:

ALL OF THE EXISTING OLD CONCRETE TO BE REMOVED ON THIS PROJECT WILL BECOME THE PROPERTY OF THE CONTRACTOR AND BE DISPOSED OF BY HIM OUTSIDE THE LIMITS OF THE RIGHT-OF-WAY AT HIS OWN EXPENSE AND IN A MANNER APPROVED BY THE ENGINEER.

SAWING OF CONCRETE, WHERE PORTIONS ARE TO BE LEFT IN PLACE, WILL NOT BE PAID FOR DIRECTLY, BUT SHALL BE CONSIDERED SUBSIDIARY TO THIS ITEM.

ITEMS 104 AND 496:

CONCRETE PAVEMENT REMOVED AS A RESULT OF REMOVING THE INLET WILL NOT BE PAID FOR DIRECTLY BUT SHALL BE CONSIDERED AS SUBSIDIARY TO ITEM 496.

ITEM 105:

EXISTING ASPHALT TO BE REMOVED SHALL BE SAWED ALONG NEAT LINES WHERE PORTIONS ARE TO BE LEFT IN PLACE TEMPORARILY OR PERMANENTLY. SAWING WILL BE CONSIDERED SUBSIDIARY TO THIS ITEM AND NO DIRECT PAYMENT WILL BE MADE.

ITEM 110:

EXCAVATION FOR DRIVEWAYS AND INTERSECTIONS WILL NOT BE PAID FOR DIRECTLY, BUT SHALL BE CONSIDERED SUBSIDIARY TO THIS ITEM.

SPECIFICATION DATA

06/11

SHEET E

GENERAL NOTES AND SPECIFICATION DATA--

ITEMS 110, 132 AND 276:

THE CONTRACTOR WILL BE RESPONSIBLE FOR THE FURNISHING, MAINTENANCE AND STORAGE OF ONE NUCLEAR DENSITY GAUGE ON THE PROJECT DURING THE PLACEMENT OF THE CEMENT TREATED BASE, ACP AND EMBANKMENT OR AT THE CONTRACTORS OPTION, USE THE SERVICES OF A COMMERCIAL TESTING LABORATORY.

ALL EQUIPMENT, STORAGE, REQUIRED LICENSES AND SAFETY FEES INCURRED BY THE CONTRACTOR (OR THE SERVICES OF A COMMERCIAL TESTING LABORATORY) WILL NOT BE PAID FOR DIRECTLY BUT WILL BE CONSIDERED SUBSIDIARY TO THE VARIOUS BID ITEMS.

ITEM 132:

THIS MATERIAL SHALL CONSIST OF SUITABLE EARTH MATERIAL SUCH AS LOAM, CLAY OR OTHER MATERIALS THAT WILL FORM A STABLE EMBANKMENT AND BE FREE FROM VEGETATION OR OTHER OBJECTIONABLE MATTER AND, WHEN TESTED BY TEXAS DEPARTMENT OF TRANSPORTATION METHODS, SHALL MEET THE SOIL CONSTANT REQUIREMENTS ON SHEET "A" IN ITS NATURAL STATE OR AFTER THE ADDITION OF A MAXIMUM OF 3% BY WEIGHT OF LIME. FURNISHING, APPLICATION AND MIXING OF LIME WILL NOT BE PAID FOR DIRECTLY, BUT WILL BE CONSIDERED SUBSIDIARY TO THIS ITEM.

WHEN THE MOISTURE CONTENT OF THE EMBANKMENT EXCEEDS THE SPECIFIED OPTIMUM CONTENT, AS DETERMINED BY THE ENGINEER, IT SHALL BE AERATED BY DISKING, HARROWING, BLADING OR OTHER MEANS SATISFACTORY TO THE ENGINEER, TO REDUCE THE MOISTURE CONTENT TO THE OPTIMUM CONDITION BEFORE ROLLING COMMENCES. THE CONTRACTOR WILL NOT BE PERMITTED TO AERATE WET MATERIAL WITH COMPACTION EQUIPMENT SUCH AS SHEEPSFOOT ROLLERS OR OTHER DEVICES THAT TEND TO OVER-COMPACT THE PREVIOUS LAYER OF MATERIAL. SUCH AERATION WILL BE CONSIDERED AS SUBSIDIARY TO THIS ITEM AND WILL NOT BE PAID FOR DIRECTLY.

SHALE WILL NOT BE CONSIDERED AS SUITABLE MATERIAL. SHALEY CLAYS MAY NOT BE USED IN EMBANKMENTS UNLESS APPROVED IN WRITING BY THE ENGINEER.

BORROW SOURCES SHALL BE LOCATED NO CLOSER THAN 300 FEET FROM THE ROADWAY RIGHT OF WAY. THE SOURCE OR SOURCES SHALL BE LOCATED SUCH THAT NATURAL SCREENING IS AFFORDED TO ELIMINATE UNSIGHTLY AREAS FROM THE TRAVELLED LANES.

SPECIFICATION DATA

06/11

SHEET F 15