

F.R. DIV.6	TEXAS	STP 96(830)MM	SHEET	4
ROCKWALL	COUNTY	HWY FM 740	CONT	1014-3-41

GENERAL NOTES AND SPECIFICATION DATA--

.....
 SPECIFICATION DATA
 TEST TO BE IN ACCORDANCE WITH TEXAS DEPARTMENT OF TRANSPORTATION STANDARD TEST METHODS

 GRADING REQUIREMENTS CONSTANTS *

 PI
 Z RETAINED, SIEVES

 MAX MIN

 132*ENBK (TY C) 40 8
 132*ENBK (TY C)(MOD) 20 8

.....
 MINIMUM COMPACTION REQUIREMENTS FOR BASE COURSES
 * Z DENSITY AS DETERMINED BY COMPACTION RATIO (TEX-114-E)

 ROADWAY RAMPS

 COURSE DENSITY *COURSE* DENSITY *

 260* LIME TREAT SUBGR * ALL * 95 * ALL * 95 *

BASIS OF ESTIMATE FOR PERMANENT CONSTRUCTION

ITEM	DESCRIPTION	RATE	UNIT	QUANTITY
168	VEGETATIVE WATERING (BLOCK SOD)(13 WK)	2.8 GAL/SY/WK	6895 SY	58 MG
260	LIME (TY A SLURRY) OR (TY B)	4% BY WT.	20874 SY	209 TON

SPECIFICATION DATA

06/14 SHEET A

F.R. DIV.6	TEXAS	STP 96(830)MM	SHEET	4
ROCKWALL	COUNTY	HWY FM 740	CONT	1014-3-41

GENERAL NOTES AND SPECIFICATION DATA--

.....
 BASIS OF ESTIMATE FOR TEMPORARY EROSION CONTROL ITEMS

ITEM	DESCRIPTION	RATE	UNIT	QUANTITY
164	BRODST SEED (TEMP)(COOL)	SEE SPECS	-	6823 SY
168	VEGETATIVE WATERING (BRODST SEED TEMP) (6 WK)	2.8 GAL/SY/WK	6823 SY	115 MG

GENERAL:

 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. BENCH MARKS WILL BE SET BY TEXAS DEPARTMENT OF TRANSPORTATION FORCES PRIOR TO BEGINNING OF CONSTRUCTION.
 PRIOR TO CONTRACT LETTING, REPRODUCIBLE EARTHWORK CROSS SECTIONS WILL BE AVAILABLE AT THE DISTRICT OFFICE.
 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.
 THE CONTRACTOR SHALL MAINTAIN 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 DIRECTED BY THE ENGINEER. THE CONTRACTOR SHALL FURNISH THE AREA ENGINEER SURFACE COORDINATES 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.
 IF AT ANY TIME DURING THE CONSTRUCTION OF THIS PROJECT THE CONTRACTOR FALLS MORE THAN 30 DAYS BEHIND HIS SCHEDULE SUBMITTED UNDER PROVISIONS OF ARTICLE 8.2, HE SHALL FURNISH THE ENGINEER WITH AN UPDATED.

SPECIFICATION DATA

06/14 SHEET B

F.R. DIV.6	TEXAS	STP 96(830)MM	SHEET	4
ROCKWALL	COUNTY	HWY FM 740	CONT	1014-3-41

GENERAL NOTES AND SPECIFICATION DATA--

GENERAL: CONT'D
 REALISTIC CONSTRUCTION SCHEDULE.
 EXISTING ROADS WITHIN THE LIMITS OF THE PROJECT THAT ARE TO REMAIN TEMPORARILY FOR THE PURPOSE OF HANDLING TRAFFIC THROUGH THE PROJECT SHALL BE MAINTAINED BY THE CONTRACTOR IN A MANNER THAT IS ACCEPTABLE TO THE ENGINEER. THIS WORK WILL NOT BE PAID FOR DIRECTLY, BUT SHALL BE CONSIDERED SUBSIDIARY TO THE VARIOUS BID ITEMS.
 THE CONTRACTOR SHALL STABILIZE ALL UNPAVED AREAS OF THE PROJECT WITH A MINIMUM 70% DENSITY OF VEGETATIVE COVER UTILIZING THE ITEMS IN THIS CONTRACT.
 THE ENVIRONMENTAL DOCUMENT PREPARED FOR THIS PROJECT BY THE DEPARTMENT IS AVAILABLE FOR ANYONE TO PURCHASE AND READ FROM THE DISTRICT OFFICE.

ITEM 6:

 THE CONTRACTOR SHALL 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 SHALL 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 AS A PERMANENT RECORD. MEASUREMENTS AND CALCULATIONS SHALL, AS A 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 FROM THIS REQUIREMENT PROVIDED THE CONTRACTOR MAKES SUFFICIENT SPOT CHECKS OF VEHICLES FROM EACH SOURCE TO SATISFY THE ENGINEER THAT OVERLOADING IS NOT OCCURRING. COPIES OF MEASUREMENTS AND CALCULATIONS SHALL BE FURNISHED, AS DESCRIBED ABOVE, AS EVIDENCE OF SPOT CHECKS. FURNISHING OF THE ABOVE DESCRIBED MATERIALS BY THE CONTRACTOR CONSTITUTES CERTIFICATION BY HIM TO THE ACCURACY OF THE MEASUREMENTS AND CALCULATIONS THEREON. FULFILLING OF THE ABOVE REQUIREMENTS WILL NOT BE PAID FOR DIRECTLY BUT SHALL BE CONSIDERED SUBSIDIARY TO THE VARIOUS BID ITEMS.

SPECIFICATION DATA

06/14 SHEET C

F.R. DIV.6	TEXAS	STP 96(830)MM	SHEET	4
ROCKWALL	COUNTY	HWY FM 740	CONT	1014-3-41

GENERAL NOTES AND SPECIFICATION DATA--

ITEM 104:

 EXISTING CONCRETE PAVEMENT TO BE REMOVED SHALL BE SAHED ALONG NEAT LINES WHERE PORTIONS ARE TO BE LEFT IN PLACE. SAWING WILL NOT BE PAID FOR DIRECTLY, BUT SHALL BE CONSIDERED SUBSIDIARY TO THIS ITEM.
 ALL OF THE EXISTING OLD CONCRETE TO BE REMOVED ON THIS PROJECT BECOMES THE PROPERTY OF THE CONTRACTOR TO BE DISPOSED OF BY HIM OUTSIDE THE LIMITS OF THE RIGHT-OF-WAY AT HIS EXPENSE AND IN A MANNER APPROVED BY THE ENGINEER.
 THE QUANTITY FOR REMOVAL OF EXISTING CURBS FOR WHEELCHAIR RAMPS AT THE 14 30 INTERSECTIONS IS CALCULATED FOR 21 LOCATIONS.

ITEM 110:

 EXCAVATION FOR DRIVEWAYS AND INTERSECTIONS WILL NOT BE PAID FOR DIRECTLY, BUT SHALL BE CONSIDERED SUBSIDIARY TO THIS ITEM.
 ALL EXCAVATION MATERIAL NOT NEEDED ELSEWHERE ON THE PROJECT WILL BECOME THE PROPERTY OF THE CONTRACTOR AND BE DISPOSED OF BY HIM OUTSIDE THE LIMITS OF THE PROJECT.

ITEMS 110 AND 260:

 THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE FURNISHING, MAINTENANCE AND STORAGE OF ONE NUCLEAR DENSITY GAUGE ON THE PROJECT DURING THE PLACEMENT OF THE LIME TREATED SUBGRADE, ACP AND EMBANKMENT.

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.
 WHEN THE MOISTURE CONTENT OF THE EMBANKMENT EXCEEDS THE SPECIFIED OPTIMUM CONTENT, AS DETERMINED BY THE ENGINEER, IT SHALL BE AERATED BY

SPECIFICATION DATA

06/14 SHEET D

F.R. DIV.6	TEXAS	STP 96(830)MM	SHEET	4
ROCKWALL	COUNTY	HWY FM 740	CONT	1014-3-41

GENERAL NOTES AND SPECIFICATION DATA--

ITEM 132: CONT'D
 DISKING, HARROWING, BLADING OR OTHER MEANS SATISFACTORY TO THE ENGINEER, TO REDUCE THE MOISTURE CONTENT TO THE OPTIMUM CONDITION BEFORE ROLLING COMMENCES. THE CONTRACTOR SHALL NOT 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 SHALL BE CONSIDERED 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.

ITEM 160:

 THE CONTRACTOR SHALL ARRANGE THE SEQUENCE OF HIS OPERATIONS IN SUCH A MANNER THAT TOPSOIL WILL BE SALVAGED FROM ONE LOCATION AND PLACED DIRECTLY ON NEARBY SLOPE AREAS TO RECEIVE THIS ITEM. STOCKPILING OF TOPSOIL AND GRASS SOD SHALL BE KEPT TO A MINIMUM AND SHALL BE AS APPROVED BY THE ENGINEER.
 TOP SOIL SHALL BE PLACED ON ALL UNSURFACED DISTURBED AREAS WITHIN THE LIMITS OF THE RIGHT-OF-WAY, AS DIRECTED BY THE ENGINEER.

ITEMS 162 AND 166:

 BLOCK SOD (PRAIRIE BUFFALO) AND FERTILIZER SHALL BE PLACED ON ALL UNSURFACED DISTURBED AREAS WITHIN LIMITS OF RIGHT-OF-WAY, AS DIRECTED BY THE ENGINEER.
 PERMANENT EROSION CONTROL ITEMS SHALL BE PLACED ON APPROVED AREAS AS SOON AS POSSIBLE AT THE END OF EACH PHASE DURING THE WARM-SEASON. TEMPORARY EROSION CONTROL ITEMS SHALL BE PLACED ON APPROVED AREAS AS SOON AS POSSIBLE AT THE END OF EACH PHASE DURING THE COOL-SEASON. SODDING WILL NOT BE DELAYED UNTIL THE END OF THE PROJECT. MULTIPLE MOVE-INS FOR SODDING WILL BE REQUIRED.

ITEM 204:

 AN APPROVED ANTI-STRIPPING AGENT WILL BE REQUIRED. TEST METHOD TEX-530-C IS REQUIRED FOR EVALUATION TESTING DURING DESIGN AND ALSO FOR PRODUCTION STAGES.
 THE EFFECTIVENESS OF THE ANTI-STRIPPING AGENT WILL BE EVALUATED AT THE RATES SHOWN:
 LIME AT 1% AND 2% OF THE TOTAL AGGREGATE TO BE PLACED IN SLURRY FORM, OR LIQUID AGENTS AT 0.5% AND 1% OF THE ASPHALT IN THE MIX.

SPECIFICATION DATA

06/14 SHEET E

F.R. DIV.6	TEXAS	STP 96(830)MM	SHEET	4
ROCKWALL	COUNTY	HWY FM 740	CONT	1014-3-41

GENERAL NOTES AND SPECIFICATION DATA--

ITEM 204: CONT'D
 SPRINKLING, AS ORDERED BY THE ENGINEER TO CONTROL DUST ON THIS PROJECT, SHALL BE CONSIDERED SUBSIDIARY TO THE VARIOUS BID ITEMS.

ITEM 260:

 THE STANDARD PLATFORM TRUCK SCALES WILL BE REQUIRED FOR THIS PROJECT AND SHALL BE LOCATED AT A POINT APPROVED BY THE ENGINEER. CERTIFIED PUBLIC SCALES, WHEN APPROVED BY THE ENGINEER, MAY BE USED, PROVIDING THEY CONFORM TO THE REQUIREMENTS SET FORTH IN ARTICLE 520.3(1).
 THE LIMITS OF PAYMENT FOR THIS ITEM SHALL BE TO THE NEAT LINES AS SHOWN ON THE TYPICAL SECTIONS.
 UNLESS OTHERWISE DIRECTED BY THE ENGINEER IN WRITING, LIME SHALL BE CURED WITH MS-2 ASPHALT APPLIED AT A RATE OF 0.25 GAL/SY AND WILL NOT BE PAID FOR DIRECTLY BUT SHALL BE CONSIDERED SUBSIDIARY TO THIS ITEM.
 THE FINISHED GRADE OF "LIME TREAT SUBGR (DC)(16)" SHALL BE TO THE SECTION OF THE BOTTOM OF THE ASPHALTIC CONCRETE PAVEMENT AND CONCRETE PAVEMENT AS SHOWN ON THE PLANS, OR LOWER. PATCHING OF CURB BASE SECTIONS WILL NOT BE ALLOWED, BUT SHALL BE FILLED WITH EXTRA DEPTH ASPHALTIC CONCRETE PAVEMENT OR BE REWORKED COMPLETELY BY SCARIFYING, ADDING MATERIAL, APPLYING LIME SLURRY AND RECOMPACTING. NO ADDITIONAL COMPENSATION WILL BE MADE FOR THE WORK REQUIRED TO REWORK A SECTION OF SUBGRADE. THE EXTRA DEPTH ASPHALTIC CONCRETE PAVEMENT SHALL BE AT THE CONTRACTORS EXPENSE.

ITEMS 301 AND 3063:

 AN APPROVED ANTI-STRIPPING AGENT WILL BE REQUIRED. TEST METHOD TEX-530-C IS REQUIRED FOR EVALUATION TESTING DURING DESIGN AND ALSO FOR PRODUCTION STAGES.
 THE EFFECTIVENESS OF THE ANTI-STRIPPING AGENT WILL BE EVALUATED AT THE RATES SHOWN:
 LIME AT 1% AND 2% OF THE TOTAL AGGREGATE TO BE PLACED IN SLURRY FORM, OR LIQUID AGENTS AT 0.5% AND 1% OF THE ASPHALT IN THE MIX.

SPECIFICATION DATA

06/14 SHEET F