

F.R. DIV.6	TEXAS	CM 97(449)	SHEET 15A
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GENERAL NOTES AND SPECIFICATION DATA--

ITEM 160:

THE CONTRACTOR WILL BE REQUIRED, WHERE POSSIBLE, TO 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.

THE TOPSOIL REQUIRED FOR THIS ITEM SHALL BE SALVAGED FROM THE RIGHT OF WAY ON THIS PROJECT AS DIRECTED BY THE ENGINEER AND SHALL BE FERTILE LOAM OR CLAY FROM NOT MORE THAN 6 INCHES BELOW NATURAL GROUND.

ITEM 162 AND 166

BLOCK SOD AND FERTILIZER SHALL BE PLACED ON ALL UNSURFACED AREAS WITHIN THE LIMITS OF THE RIGHT-OF-WAY, AS DIRECTED BY THE ENGINEER.

ITEM 166:

THE MINIMUM RATE OF APPLICATION FOR FERTILIZER SHALL BE 400 LB/AC.

THE ANALYSIS OF THE FERTILIZER AS SPECIFIED IN ARTICLE 166.2 WILL BE (12-12-12) UNLESS OTHERWISE APPROVED BY THE ENGINEER.

ITEM 204:

SPRINKLING, AS ORDERED BY THE ENGINEER, TO CONTROL DUST ON THIS PROJECT, SHALL BE CONSIDERED SUBSIDIARY TO THE VARIOUS BID ITEMS.

ITEM 360:

THE DOWEL SUPPORT ASSEMBLIES USED IN CONCRETE PAVEMENT SHALL BE CONSTRUCTED USING NO. 1/0 (0.306" DIAMETER) WIRE IN THE MAIN VERTICAL MEMBERS. DOWELS SHALL BE RIGIDLY SUPPORTED IN PARALLEL POSITIONS AND SHALL BE WELDED ON ONE END TO THE SUPPORT FRAME. THE WELD ATTACHMENT SHALL BE MADE ALTERNATELY ON OPPOSITE ENDS OF SUCCESSIVE DOWELS. THE SUPPORT ASSEMBLY SHALL BE SUBJECT TO THE APPROVAL OF THE ENGINEER.

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ITEM 360: CONT'D

WHEN USED, THREADED CONNECTOR TIEBARS SHALL BE CHAIRED AND/OR TIED TO THE PAVEMENT REINFORCING STEEL.

ALL CURBS, EXCEPT DOWEL CURBS, SHALL BE CONSTRUCTED MONOLITHICALLY WITH THE CONCRETE PAVEMENT. IF CONTINUOUS MONOLITHIC CURB HAS TO BE TEMPORARILY OMITTED FOR ANY REASON, THE CONTRACTOR WILL BE REQUIRED TO DOWEL ON PROPOSED CURBS AS DETAILED IN THE PLANS. AN APPROVED EPOXY RESIN SHALL BE APPLIED TO THE PAVEMENT TO RECEIVE THE CURB AS DIRECTED BY THE ENGINEER. THIS WORK AND MATERIALS SHALL BE SUBSIDIARY TO THIS ITEM AND WILL NOT BE PAID FOR DIRECTLY.

THE DOWELED CURB SHALL HAVE SAWED JOINTS PLACED AT SAME INTERVALS AS CPCD AND 3/4-INCH EXPANSION JOINT MATERIAL PROVIDED AT THE SAME LOCATIONS AS ON THE EXISTING PAVEMENT.

CONCRETE AGGREGATES SHALL BE STOCKPILED AT THE PLANT SITE.

THE CURING MACHINE SHALL BE PROVIDED WITH RUBBER TIRES, OR ANOTHER ARRANGEMENT APPROVED BY THE ENGINEER, SO THAT THE MACHINE WILL BRIDGE OVER OR SPAN THE PAVEMENT AND MONOLITHIC CURB OPERATIONS, IN A MANNER SATISFACTORY TO THE ENGINEER.

CURB TRANSITIONS WILL BE PAID FOR AS TYPE II CURB.

JOINTS 3/8" AND LESS IN WIDTH SHALL BE FILLED WITH RUBBER JOINT SEALING COMPOUND OR PREFORMED NEOPRENE COMPRESSION SEAL. JOINTS WIDER THAN 3/8" SHALL BE FILLED WITH TWO COMPONENT CLASS 1-A OR 1-B, SYNTHETIC POLYMER JOINT MATERIAL OR PREFORMED NEOPRENE COMPRESSION SEAL (CLASS 4).

THE INSTALLATION OF CURB OPENINGS SHALL NOT BE PAID FOR DIRECTLY, BUT SHALL BE CONSIDERED SUBSIDIARY TO THIS ITEM.

THESE PLANS REQUIRE SAWED JOINTS. CONSTRUCTION, SAWED AND CONTRACTION JOINTS SHALL BE PLACED IN ACCORDANCE WITH THE PAVEMENT DETAIL SHEET AND AS DIRECTED BY THE ENGINEER. JOINT LOCATIONS, OTHER THAN AS SHOWN ON THE PLANS, SHALL BE SUBJECT TO THE APPROVAL OF THE ENGINEER.

THE CONTRACTOR WILL BE REQUIRED TO SAW TRANSVERSE JOINTS ACROSS PAVEMENT AND CURBS.

THE CONTRACTOR WILL BE ALLOWED TO USE A DOWEL INSERTOR OF A DESIGN THAT HAS PROVEN EFFECTIVE AND PERFORMS IN A MANNER ACCEPTABLE TO THE ENGINEER. THE CONTRACTOR, IF HE ELECTS TO USE SUCH A DOWEL INSERTOR,

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ITEM 360: CONT'D

WILL PROVIDE A DEVICE TO MEASURE THE DEPTH OF THE INSERTED DOWEL IN PLACE.

PAVEMENT LEAVEOUTS WILL BE REQUIRED ON THIS PROJECT AS NECESSARY TO PROVIDE FOR TRAFFIC AT DRIVEWAYS AND SIDE STREETS AS SHOWN IN THE PLANS OR AS DIRECTED BY THE ENGINEER. THE COST OF PROVIDING THESE LEAVEOUTS, INCLUDING THE CONSTRUCTION OF A SUITABLE CROSSOVER CONNECTION AT EACH SITE, WILL NOT BE PAID FOR DIRECTLY BUT SHALL BE CONSIDERED SUBSIDIARY TO THIS ITEM.

IF A TRAVELING FORM PAVER IS USED, IT SHALL BE EQUIPPED WITH AN ELECTRONICALLY OPERATED HORIZONTAL CONTROL DEVICE.

TIEBARS USED IN LONGITUDINAL JOINTS SHALL NOT BE PLACED WITHIN 15 INCHES OF TRANSVERSE JOINTS.

ANY AREA IN EXCESS OF THREE SQUARE YARDS WITH GROOVES LESS THAN 1/8" DEEP WILL BE SAW GROOVED BY THE CONTRACTOR AT HIS OWN EXPENSE.

USE OF "MECHANICAL STEEL PLACING EQUIPMENT" WILL BE AT THE DISCRETION OF THE ENGINEER ON THIS PROJECT.

ITEMS 360 AND 421:

THE ACID INSOLUBLE RESIDUE OF THE FINE AGGREGATE USED IN SLAB CONCRETE SUBJECT TO DIRECT TRAFFIC SHALL BE NOT LESS THAN 60 PERCENT BY WEIGHT WHEN TESTED IN ACCORDANCE WITH TEST METHOD TEX-612-J.

ITEMS 416 AND 656:

THE TOP 2 INCHES OF ALL DRILLED SHAFTS FOR SIGNS, SIGNALS AND LIGHTS SHALL BE FORMED OR PROVIDED A SMOOTH FINISH SATISFACTORY TO THE ENGINEER. THE COST OF THIS WORK SHALL BE INCLUDED IN THE UNIT BID PRICE FOR THIS ITEM.

ITEMS 360 AND 421:

THE COARSE AGGREGATE FROM EACH SOURCE MUST COMPLY WITH THE SPECIFIED QUALITY TESTS.

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ITEMS 360 AND 421: CONT'D

ITEMS 110, 400, 416 AND 656:

PRIOR TO ANY EXCAVATION OR DRILLING IN THE CLOSE VICINITY OF EXISTING UTILITIES OR SEWERS, THE CONTRACTOR SHALL BE REQUIRED TO PROBE OR EXPOSE THESE FACILITIES TO DETERMINE THEIR EXACT LOCATION. ALL COSTS INVOLVED WILL BE SUBSIDIARY TO THE RELATED BID ITEMS.

ITEM 421:

THE LOSS BY DECONTAMINATION IN ACCORDANCE WITH TEST METHOD TEX-406-A PLUS THE ALLOWABLE WEIGHT OF CLAY LUMPS, SHALL NOT EXCEED 0.9% OR THE VALUE SHOWN ON THE PLANS, WHICHEVER IS SMALLER. IN THE CASE OF AGGREGATES MADE PRIMARILY FROM THE CRUSHING OF STONE, IF THE MATERIAL PASSING THE 200 SIEVE IS DEFINITELY ESTABLISHED TO BE DUST FROM THE CRUSHING PROCESS, ESSENTIALLY FREE FROM SHALE OR CLAY, AS ESTABLISHED BY PART III OF TEST METHOD TEX-406-A, THE PERCENT CLAY MAY BE INCREASED TO 1.2%

FINE AGGREGATE WILL BE SUBJECT TO THE SAND EQUIVALENT TEST (TEST METHOD TEX-203-F). THE SAND EQUIVALENT SHALL NOT BE LESS THAN 85 UNLESS OTHERWISE SHOWN ON THE PLANS.

ITEM 423:

THE FACIA PATTERN MUST BE THE SAME THROUGHOUT THE ENTIRE PROJECT.

ANY DAMAGE TO THE PRECAST UNITS MUST BE REPLACED AT THE CONTRACTOR'S EXPENSE.

THE FOLLOWING COLOR SHALL BE THAT OF KEYSTONE'S "TERRA COTTA", VERSA-LOK'S "TERRA COTTA", PAVESTONE'S "OAKS BLEND", OR AN APPROVED EQUAL AS DIRECTED BY THE ENGINEER.

THE CONTRACTOR SHALL SUPPLY SAMPLES SHOWING COLOR FOR APPROVAL BY THE ENGINEER PRIOR TO BEGINNING WORK. THE SAMPLES SHALL INDICATE THE FULL RANGE OF SPECIFIED COLORS. THIS WORK WILL NOT BE PAID FOR DIRECTLY, BUT SHALL BE CONSIDERED SUBSIDIARY TO THIS ITEM.

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ITEM 423: CONT'D

MIXING OF CONCRETE BLOCKS FROM DIFFERENT MANUFACTURERS WILL NOT BE PERMITTED.

NO SPACE IS AVAILABLE FOR EARTH REINFORCEMENTS BEHIND THE CONCRETE BLOCK RETAINING WALLS ON THIS PROJECT. THE CONCRETE BLOCK UNIT CHOSEN SHALL BE CAPABLE OF SATISFYING THE STABILITY CRITERIA WITH THE BLOCK UNIT ALONE. THE STABILITY REQUIREMENTS GIVEN FOR LANDSCAPE WALLS MAY BE USED.

THE FOLLOWING CONCRETE BLOCK RETAINING WALL SYSTEMS ARE APPROVED FOR THIS PROJECT:

KEYSTONE RETAINING WALLS JEWELL CONCRETE PRODUCTS, INC. P.O. BOX 7115 WACO, TEXAS 76716 (800) 792-3216

ANCHOR WALL SYSTEM PAVESTONE COMPANY P.O. BOX 1868 GRAPEVINE, TEXAS 76051 (817) 481-5802

VERSA-LOC RETAINING WALLS TEXAS INDUSTRIES 1341 W. MOCKINGBIRD LANE DALLAS, TEXAS 75247 (972) 647-3717

THE TOP BLOCK SHALL BE FASTENED TO THE WALL WITH A CONSTRUCTION ADHESIVE. THE ADHESIVE SHALL BE AS RECOMMENDED BY THE MANUFACTURER AND APPROVED BY THE ENGINEER.

ITEM 464:

ANY ABANDONED UTILITIES OR DRAINAGE STRUCTURES THAT ARE ENCOUNTERED BY THE CONTRACTOR SHALL BE REMOVED TO A MINIMUM OF ONE FOOT BELOW SUBGRADE AND PLUGGED WITH A CONCRETE PLUG OF A THICKNESS EQUAL TO 1-1/2 INCHES PER FOOT OF DIAMETER OF PIPE WITH A MINIMUM THICKNESS OF 3 INCHES. THE COST OF THE PLUGS SHALL BE CONSIDERED SUBSIDIARY TO THE VARIOUS BID ITEMS.

THE CONCRETE COLLARS AND THE CONNECTIONS OF PIPES TO EXISTING OR PROPOSED CONCRETE BOXES OR PIPE SHALL BE CONSTRUCTED AS SHOWN IN THE PLANS OR AS DIRECTED BY THE ENGINEER. THIS WORK WILL NOT BE PAID FOR DIRECTLY, BUT SHALL BE CONSIDERED SUBSIDIARY TO THE PRICE BID PER FOOT FOR "RC PIPE".

WHERE STORM SEWERS DEAD-END, THEY SHALL BE PLUGGED WITH A CONCRETE PLUG OF A THICKNESS EQUAL TO 1-1/2 INCHES PER FOOT OF DIAMETER OF PIPE WITH A MINIMUM THICKNESS OF 3 INCHES. THE COST OF THE PLUGS SHALL BE

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ITEM 464: CONT'D

INCLUDED IN THE UNIT PRICE BID PER FOOT OF THE VARIOUS RC PIPES.

ITEM 471:

ALL INLET GRATES AND MANHOLE COVERS SHALL BE TACKWELDED TO THE FRAME WITH TWO 1-INCH WELDS. PAYMENT SHALL BE SUBSIDIARY TO ITEM 465. NO PAINTING WILL BE REQUIRED FOR THE CAST IRON INLET GRATE.

ITEM 496:

STRUCTURES LISTED ON THE PLANS WILL BE REMOVED UNDER THIS ITEM. ALL OTHER STRUCTURES ENCOUNTERED SHALL BE REMOVED UNDER ITEM 100.

EXCEPT AS OTHERWISE PROVIDED, EXISTING STRUCTURES OR PARTS OF THE EXISTING STRUCTURE TO BE REMOVED SHALL BECOME THE PROPERTY OF THE CONTRACTOR AND SHALL BE DISPOSED OF BY HIM OUTSIDE THE LIMITS OF THE RIGHT-OF-WAY AT HIS OWN EXPENSE.

ITEM 502:

THE CONTRACTOR ON THIS PROJECT WILL BE REQUIRED TO CARRY ON A CONTINUOUS WIDENING OPERATION IN ORDER TO PROTECT THE TRAVELING PUBLIC FROM PAVEMENT DROP OFFS FOR AN EXTENDED PERIOD OF TIME. THE CONTRACTOR SHALL PROVIDE IN HIS SEQUENCE OF WORK A DETAILED LIST OF LOCATIONS (STATIONS, LANE DIRECTION AND SIDE OF ROADWAY) FOR EXCAVATION, INSTALLATION OF DRAINAGE FACILITIES, CEMENT TREATED BASE AND CONCRETE PAVEMENT PLACEMENT. THIS SEQUENCE OF WORK SHALL BE APPROVED BY THE ENGINEER BEFORE CONSTRUCTION BEGINS. THE LENGTH OF ROADWAY EXCAVATED SHALL BE A SERIES OF SHORT SECTIONS WITH THE PAVING OF EACH SECTION TO FOLLOW IMMEDIATELY TO FORM A CONTINUOUS WIDENING OPERATION. IF THE CONTRACTOR MOVES HIS EQUIPMENT OFF THE WIDENING OPERATION OR DOES NOT IN THE OPINION OF THE ENGINEER CARRY ON A CONTINUOUS OPERATION, HE WILL BE REQUIRED TO BACKFILL THE EDGE OF THE EXISTING OR WIDENED PAVEMENT WITH CRUSHED STONE, FLEXIBLE BASE OR WHITE ROCK WITH 2% LIME TO CREATE A 3:1 SLOPE AT HIS OWN EXPENSE. THE WIDENING OPERATION SHALL NOT RESUME UNTIL HE HAS AGAIN COMPLIED WITH THIS PARAGRAPH.

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