

INDEX OF SHEETS

SHEET NO.	DESCRIPTION
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**STATE OF TEXAS
DEPARTMENT OF TRANSPORTATION**

**PLANS OF PROPOSED
STATE HIGHWAY IMPROVEMENT
FEDERAL AID PROJECT NO. STP 2017(458), ETC**

**US 190/377
MCCULLOCH COUNTY**

LIMITS: FROM E. MAINT ST. TO BOY ST.
FOR THE CONSTRUCTION OF REHABILITATION OF EXISTING ROAD
CONSISTING OF RECONSTRUCT URBAN ROAD

DESCRIPTION	LENGTH			
	CONTRL	ROADWAY	BRIDGES	TOTAL
0128-04-035		3895.13 LF = 0.737 MI	272.00 LF = 0.052 MI	4167.13 LF = 0.789 MI

REQUIRED SIGNS SHALL BE IN ACCORDANCE WITH BC (1) - 14 THRU BC (12) - 14 AND THE "TEXAS MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES".

REGISTERED ACCESSIBILITY SPECIALIST (RAS)
INSPECTION REQUIRED
TDLR NO. EABPRJ B7811337

FEDERAL AID PROJECT NO.				
STP 2017(458), ETC				
CONT	SECT	JOB	HIGHWAY	
0128	04	035, ETC	US190, ETC	
DIST	COUNTY			SHEET NO.
BWD	MCCULLOCH			1

DESIGN SPEED
MAINLANES = 30 MPH
CROSS STREETS = 30 MPH
A.D.T. (2017) = 8,400
A.D.T. (2047) = 12,900
FUNCTIONAL CLASS: PRINCIPAL ARTERIAL

FINAL PLANS

LETTING DATE: _____
DATE CONTRACTOR BEGAN WORK: _____
DATE WORK WAS COMPLETED: _____
DATE WORK WAS ACCEPTED: _____
ORIGINAL CONTRACT WORKING DAYS: _____
USED OF WORKING DAYS _____
NO. OF CHANGE ORDERS: _____
FINAL CONTRACT COST: _____
PERCENT OVER/UNDER RUN: _____
CONTRACTOR: _____

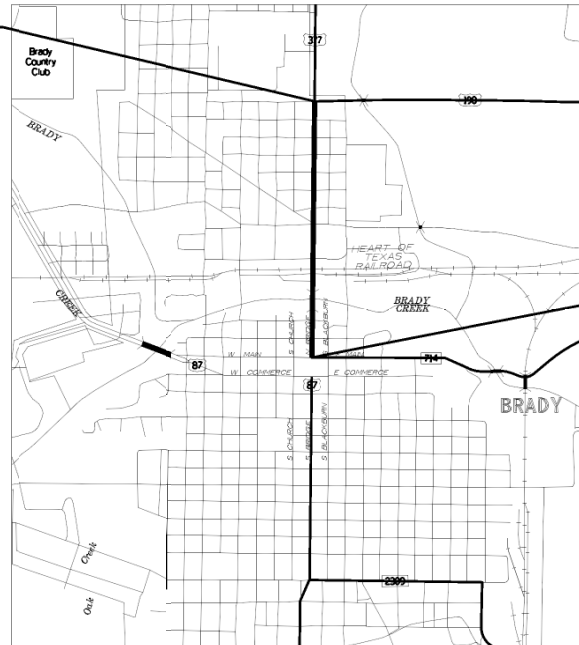
I CERTIFY THAT THIS PROJECT WAS BUILT IN ACCORDANCE WITH PLANS AND SPECIFICATIONS.

AREA ENGINEER _____ DATE _____

CONCURRENCE: 2/3/2017
Anthony W. James
MAYOR, CITY OF BRADY



END PROJECT
CSJ: 0128-04-035
US 190
STA: 1039+35.13
TRM=454+1.956



BEGIN PROJECT
CSJ: 0128-04-035
US 190
STA: 1000+40.00
TRM=454+1.169

SCALE: 1" = 2000'

EXCEPTIONS: NONE
EQUATIONS: NONE
RAILROAD CROSSINGS: CIXR AT RRMP 0065.91 (DOT NO. 024 813F)
US 377 STA 1013+42.84

ATTACHMENT NO. 1-16 TO SPECIAL AGREEMENT FOR CONSTRUCTION, MAINTENANCE AND OPERATION OF CONTINUOUS HIGHWAY LIGHTING SYSTEMS WITHIN MUNICIPALITY, (BLANKET), DATED JANUARY 18, 2000. THE CITY-STATE CONSTRUCTION, MAINTENANCE AND OPERATION RESPONSIBILITIES SHALL BE AS HERETOFORE AGREED TO, ACCEPTED, AND SPECIFIED IN THE AGREEMENT TO WHICH THESE PLANS ARE MADE A PART.

SPECIFICATIONS ADOPTED BY THE TEXAS DEPARTMENT OF TRANSPORTATION, NOVEMBER 1, 2014 AND SPECIFICATION ITEMS LISTED AND DATED AS FOLLOWS, SHALL GOVERN ON THIS PROJECT: REQUIRED CONTRACT PROVISIONS FOR ALL FEDERAL-AID CONSTRUCTION CONTRACTS (FORM FHWA 1273, MAY 2012)

SUBMITTED FOR LETTING: 11/16/2017	APPROVED FOR LETTING: <input type="checkbox"/>
DocuSigned by: <i>Chris Graf, P.E.</i> 5D8FD958F8543B DISTRICT DESIGN ENGINEER	DIRECTOR, BRIDGE DIVISION
RECOMMENDED FOR LETTING: 11/16/2017	APPROVED FOR LETTING: <input type="checkbox"/>
DocuSigned by: <i>M. STARR</i> 77D147783486F... DISTRICT DIRECTOR OF TRANSPORTATION PLANNING AND DEVELOPMENT	DIRECTOR, TRAFFIC OPERATIONS DIVISION
RECOMMENDED FOR LETTING: 11/16/2017	APPROVED FOR LETTING: <input type="checkbox"/>
DocuSigned by: <i>Elias Kmeili, P.E.</i> BB9FD402431A443... DISTRICT ENGINEER	DIRECTOR, DESIGN DIVISION

DATE: 11/16/2017 11:32:56 AM FILE: I:\BMD\SG\TEAM_Design\Projects\McCulloch\0128-04-035_US_190_&_377\McCulloch\Revised_Files\U3770CS01_SHT

SPECIAL NOTICE TO CONTRACTOR

Soil excavated between STA 1019+00 and 1020+00 at depths below 5 feet and deeper shall be removed from the excavation and placed on plastic or other containment to protect from petroleum hydrocarbon affected soil coming into contact with the ground surface. In addition, these soil stock piles shall be covered with plastic to protect from precipitation and storm water run-off. When backfilling in the area, this stockpiled soil may be used as backfill and placed back into excavated areas within the ROW. If not used in ROW, soil shall be transported off site to a state-licensed landfill for proper disposal in accordance with state and federal regulations. For detailed information on the nature and extent of petroleum hydrocarbon affected soil in the vicinity of STA 1019+00 and 1020+00, an environmental assessment report containing the analytical testing results for the affected soil is available from the Environmental Coordinator located at the TxDOT District Office in Brownwood.

PROTECTION NOTES FOR THE REMOVAL OF EXISTING PAVEMENT, CURB OR SIDEWALK AND CONSTRUCTION OF NEW PAVEMENT, CURB OR SIDEWALK ADJACENT TO HISTORIC BUILDINGS, CANOPIES, MATERIALS, FENCES, AND RETAINING WALLS

The McCulloch County courthouse is a State Antiquities Landmark (SAL). Any work necessary outside of the existing concrete sidewalk must be coordinated with the District Environmental Coordinator so that the necessary permits can be acquired.

Where proposed work is in proximity to historic buildings or other structures (walls, canopies, retaining walls, fences), and planting beds, and vegetation/groundcover, follow the procedures listed below for demolition, protection, and construction.

- To minimize potential damage to historic structures and materials, contractor to saw cut existing sidewalk 8 to 12 inches away from the historic structure, canopy supports, fence, or retaining wall.
- Contractor to construct new sidewalk next to the saw cut edge with installation of expansion joint in between. If existing sidewalk is to be removed entirely, the remaining 8 to 12 inches next to the historic structure, canopy supports, material, fence, or retaining wall will be removed by hand. Expansion joint to be placed between historic structure, canopy support, material, fence, or retaining wall and new sidewalk.
- Contractor is responsible for preventing damage to historic structure, canopy and its supports, materials, fences, retaining walls, including garden elements (planting beds, plantings) during the entire construction project, especially during removal of existing pavement, curb, or sidewalk. During the saw cut and hand removal process, contractor will exercise utmost caution and will physically protect historic structure foundation, canopy supports, materials, elevations, entryways with decorative flooring, fences, retaining walls, and landscape elements.
- Contractor to repair or replace in kind, at his own expense, any historic materials damaged in the course of executing the work. Contractor is responsible for locating replacement source for historic materials damaged in the course of the work. TxDOT-Environmental Affairs Division to be informed of

proposed repairs to facilitate consultation with Texas Historical Commission prior to execution of repair work.

GENERAL NOTES

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

Item	Description	Soil Constants		
		Max LL.	Max. PI	Min. PI
* 132	Embankment (Final)(Ord Comp)(Ty C)	40	30	3
* 132	Embankment (Final)(Dens Cont)(Ty C)	40	30	3
247	FI Bs (Cmp In Plc)(TyD GR1-2)(Fnal Pos)			3

* Applies to borrow only.

Asphalt Surface Areas-SY

Item	Description	Course	Roadway
316	ASPH (RC-250)	Clean-Up	3,000
316	AGGR (Ty-B GR-5)	Clean-Up	3,000
341	D-GR HMA TY-B PG 64-22	1 st	25,722
341	D-GR HMA TY-B PG 64-22	2 nd	25,777
344	SUPERPAVE MIXTURES SP-C SAC B PG70-22	3 rd	28,134

Basis of Estimate

Item	Description	Course	Rate	SY	Quantity
316	ASPH (RC-250)	Clean-Up	0.20 gal/sy	3,000	600 gal
316	AGGR (Ty-B GR-5)	Clean-Up	140 sy/cy	3,000	22 cy
341	D-GR HMA TY-B PG 64-22	1 st	110 lbs/sy/in	25,722	6,939 tons
341	D-GR HMA TY-B PG 64-22	2 nd	110 lbs/sy/in	25,777	5,671 tons
344	SUPERPAVE MIXTURES SP-C SAC B PG70-22	3 rd	111 lbs/sy/in	28,134	2,830 tons

GENERAL

A "Regulatory Construction Speed Zone" has been requested for this project.

Saw-Cutting with approved equipment as directed by the Engineer will be required at project limits to establish clean and straight joints. This work will not be paid for directly but shall be considered subsidiary to various bids.

Estimate Sheet

ESTIMATE SUMMARY															
		CONTROL 0128-04-036 US 190 ROW 128-4-36		CONTROL 0070-06-050 US 87 STP1702(167)HES		CONTROL 0128-04-035 US 190 STP 2017(458)		A L T	ITEM CODE			DESCRIPTION	UNIT	TOTAL	
EST	FINAL	EST	FINAL	EST	FINAL	EST	FINAL		ITEM CODE	DESC CODE	SP NO			EST	FINAL
									100	6002		PREPARING ROW	STA	0.500	
									100	6004		PREPARING ROW(TREE)(12" TO 24" DIA)	EA	1.000	
									104	6001		REMOVING CONC (PAV)	SY	4892.000	
									104	6017		REMOVING CONC (DRIVEWAYS)	SY	1695.000	
									104	6028		REMOVING CONC (MISC)	SY	10.000	
									104	6029		REMOVING CONC (CURB OR CURB & GUTTER)	LF	5201.000	
									104	6036		REMOVING CONC (SIDEWALK OR RAMP)	SY	1845.000	
									110	6001		EXCAVATION (ROADWAY)	CY	18254.000	
							101.000		132	6005		EMBANKMENT (FINAL)(ORD COMP)(TY C)	CY	101.000	
									132	6006		EMBANKMENT (FINAL)(DENS CONT)(TY C)	CY	183.000	
									162	6002		BLOCK SODDING	SY	5542.000	
							1790.000		164	6003		BROADCAST SEED (PERM) (RURAL) (CLAY)	SY	1790.000	
									164	6009		BROADCAST SEED (TEMP) (WARM)	SY	895.000	
									164	6011		BROADCAST SEED (TEMP) (COOL)	SY	895.000	
							44.000		168	6001		VEGETATIVE WATERING	MG	169.000	
									247	6053		FL BS (CMP IN PLC)(TYD GR1-2)(FNAL POS)	CY	3955.000	
									316	6029		ASPH (RC-250)	GAL	600.000	
									316	6177		AGGR(TY-B GR-5 SAC-B)	CY	22.000	
									341	6008	001	D-GR HMA TY-B PG64-22	TON	12610.000	
									341	6043	001	D-GR HMA TY-D PG70-22	TON	17.000	
									344	6048		SUPERPAVE MIXTURES SP-C SAC-B PG70-22	TON	2830.000	
									361	6033		FULL - DEPTH REPAIR CPCD (8")	SY	25.000	
									401	6001		FLOWABLE BACKFILL	CY	875.000	
									402	6001		TRENCH EXCAVATION PROTECTION	LF	3999.000	
									416	6029		DRILL SHAFT (RDWY ILL POLE) (30 IN)	LF	128.000	
									423	6008		RETAINING WALL (CAST - IN - PLACE)	SF	300.000	
									464	6005		RC PIPE (CL III)(24 IN)	LF	3065.000	
									464	6007		RC PIPE (CL III)(30 IN)	LF	819.000	
									464	6008		RC PIPE (CL III)(36 IN)	LF	115.000	
									465	6002		MANH (COMPL)(PRM)(48IN)	EA	6.000	
									465	6013		INLET (COMPL)(PCO)(3FT)(NONE)	EA	4.000	
									465	6014		INLET (COMPL)(PCO)(3FT)(LEFT)	EA	8.000	
									465	6015		INLET (COMPL)(PCO)(3FT)(RIGHT)	EA	9.000	
									465	6016		INLET (COMPL)(PCO)(3FT)(BOTH)	EA	5.000	
									465	6017		INLET (COMPL)(PCO)(4FT)(NONE)	EA	3.000	
									465	6018		INLET (COMPL)(PCO)(4FT)(LEFT)	EA	3.000	
									465	6020		INLET (COMPL)(PCO)(4FT)(BOTH)	EA	1.000	
									465	6180		INLET (COMPL)(CURB)(TY 2)(10')	EA	5.000	
									465	6181		INLET (COMPL)(CURB)(TY 2)(15')	EA	1.000	
									466	6097		HEADWALL (CH - PW - 0) (DIA= 24 IN)	EA	1.000	
									466	6130		HEADWALL (CH - PW - S) (DIA= 24 IN)	EA	1.000	
									467	6390		SET (TY II) (24 IN) (RCP) (4: 1) (C)	EA	1.000	
									496	6002		REMOV STR (INLET)	EA	8.000	
									496	6007		REMOV STR (PIPE)	LF	169.000	
									500	6001		MOBILIZATION	LS	1.000	
									502	6001		BARRICADES, SIGNS AND TRAFFIC HANDLING	MO	25.000	
									506	6020	003	CONSTRUCTION EXITS (INSTALL) (TY 1)	SY	100.000	
									506	6024	003	CONSTRUCTION EXITS (REMOVE)	SY	100.000	
									506	6038	003	TEMP SEDMT CONT FENCE (INSTALL)	LF	6615.000	
									506	6039	003	TEMP SEDMT CONT FENCE (REMOVE)	LF	6615.000	

ESTIMATE & QUANTITY SHEET

DIST	COUNTY	CCSJ	SHEET
23	MCCULLOCH	0128-04-035, ETC	11

Estimate Sheet

ESTIMATE SUMMARY															
		CONTROL 0128-04-036 US 190 ROW 128-4-36		CONTROL 0070-06-050 US 87 STP1702(167)HES		CONTROL 0128-04-035 US 190 STP 2017(458)		A L T	ITEM CODE			DESCRIPTION	UNIT	TOTAL	
EST	FINAL	EST	FINAL	EST	FINAL	EST	FINAL		ITEM CODE	DESC CODE	SP NO			EST	FINAL
						529.000			506	6041	003	BIODEG EROSN CONT LOGS (INSL) (12")	LF	529.000	
						529.000			506	6043	003	BIODEG EROSN CONT LOGS (REMOVE)	LF	529.000	
						3791.000			508	6001		CONSTRUCTING DETOURS	SY	3791.000	
						80.000			512	6009		PORT CTB (FUR & INST)(LOW PROF)(TY 1)	LF	80.000	
						20.000			512	6010		PORT CTB (FUR & INST)(LOW PROF)(TY 2)	LF	20.000	
						80.000			512	6057		PORT CTB (REMOVE)(LOW PROF)(TY 1)	LF	80.000	
						20.000			512	6058		PORT CTB (REMOVE)(LOW PROF)(TY 2)	LF	20.000	
						6972.000			529	6008		CONC CURB & GUTTER (TY II)	LF	6972.000	
						1657.400			530	6004		DRIVEWAYS (CONC)	SY	1657.400	
						2717.000			531	6002		CONC SIDEWALKS (5")	SY	2717.000	
						4.000			531	6005		CURB RAMPS (TY 2)	EA	4.000	
						6.000			531	6008		CURB RAMPS (TY 5)	EA	6.000	
						2.000			531	6010		CURB RAMPS (TY 7)	EA	2.000	
						32.000			531	6013		CURB RAMPS (TY 10)	EA	32.000	
						1.000			531	6016		CURB RAMPS (TY 21)	EA	1.000	
					850.000				540	6001		MTL W-BEAM GD FEN (TIM POST)	LF	850.000	
					75.000				540	6002		MTL W-BEAM GD FEN (STEEL POST)	LF	75.000	
					20.000				540	6009		MTL BEAM GD FEN TRANS (T6)	EA	20.000	
					3025.000				542	6001		REMOVE METAL BEAM GUARD FENCE	LF	3025.000	
					22.000				542	6002		REMOVE TERMINAL ANCHOR SECTION	EA	22.000	
					26.000				544	6001		GUARDRAIL END TREATMENT (INSTALL)	EA	26.000	
					4.000				544	6003		GUARDRAIL END TREATMENT (REMOVE)	EA	4.000	
						22.000			560	6001		MAILBOX INSTALL-S (TWG-POST) TY 1	EA	22.000	
						33.000			610	6007		REMOVE RD IL ASM (SHOE-BASE)	EA	33.000	
						16.000			610	6288		IN RD IL (TY SA) 50T-10 (400W EQ) LED	EA	16.000	
						2956.000			618	6046		CONDT (PVC) (SCH 80) (2")	LF	2956.000	
						965.000			618	6047		CONDT (PVC) (SCH 80) (2") (BORE)	LF	965.000	
						4186.000			620	6009		ELEC CONDR (NO.6) BARE	LF	4186.000	
						12753.000			620	6010		ELEC CONDR (NO.6) INSULATED	LF	12753.000	
						39.000			624	6002		GROUND BOX TY A (122311)W/APRON	EA	39.000	
						1.000			624	6028		REMOVE GROUND BOX	EA	1.000	
						2.000			628	6011		ELC SRV TY A 120/240 060(NS)SS(E)TP(O)	EA	2.000	
						16.000			636	6001		ALUMINUM SIGNS (TY A)	SF	16.000	
						45.000			644	6001		IN SM RD SN SUP&AM TY10BWG(1)SA(P)	EA	45.000	
						2.000			644	6030		IN SM RD SN SUP&AM TYS80(1)SA(T)	EA	2.000	
						3.000			644	6034		IN SM RD SN SUP&AM TYS80(1)SA(U-1EXT)	EA	3.000	
						2.000			644	6068		RELOCATE SM RD SN SUP&AM TY 10BWG	EA	2.000	
						45.000			644	6076		REMOVE SM RD SN SUP&AM	EA	45.000	
					39.000				658	6062		INSL DEL ASSM (D-SW)SZ 1(BRF)GF2(BI)	EA	39.000	
						7436.000			662	6004		WK ZN PAV MRK NON-REMOV (W)4"(SLD)	LF	7436.000	
						66.000			662	6016		WK ZN PAV MRK NON-REMOV (W)24"(SLD)	LF	66.000	
						7024.000			662	6034		WK ZN PAV MRK NON-REMOV (Y)4"(SLD)	LF	7024.000	
						11628.000			662	6063		WK ZN PAV MRK REMOV (W)4"(SLD)	LF	11628.000	
						222.000			662	6069		WK ZN PAV MRK REMOV (W)8"(DOT)	LF	222.000	
						128.000			662	6075		WK ZN PAV MRK REMOV (W)24"(SLD)	LF	128.000	
						4.000			662	6086		WK ZN PAV MRK REMOV (W)(RR XING)	EA	4.000	
						10866.000			662	6095		WK ZN PAV MRK REMOV (Y)4"(SLD)	LF	10866.000	
						600.000			662	6109		WK ZN PAV MRK SHT TERM (TAB)TY W	EA	600.000	
						1000.000			662	6111		WK ZN PAV MRK SHT TERM (TAB)TY Y-2	EA	1000.000	
						500.000			666	6036		REFL PAV MRK TY I (W)8"(SLD)(100MIL)	LF	500.000	

ESTIMATE & QUANTITY SHEET

DIST	COUNTY	CCSJ	SHEET
23	MCCULLOCH	0128-04-035, ETC	11A

Estimate Sheet

ESTIMATE SUMMARY															
		CONTROL 0128-04-036 US 190 ROW 128-4-36		CONTROL 0070-06-050 US 87 STP1702(167)HES		CONTROL 0128-04-035 US 190 STP 2017(458)		A L T	ITEM CODE			DESCRIPTION	UNIT	TOTAL	
EST	FINAL	EST	FINAL	EST	FINAL	EST	FINAL		ITEM CODE	DESC CODE	SP NO			EST	FINAL
						391.000			666	6048		REFL PAV MRK TY I (W)24"(SLD)(100MIL)	LF	391.000	
						9.000			666	6054		REFL PAV MRK TY I (W)(ARROW)(100MIL)	EA	9.000	
						5.000			666	6078		REFL PAV MRK TY I (W)(WORD)(100MIL)	EA	5.000	
						2.000			666	6093		REFL PAV MRK TY I (W)(RR XING)(100MIL)	EA	2.000	
						3.000			666	6099		REF PAV MRK TY I(W)18"(YLD TRI)(100MIL)	EA	3.000	
						6199.000			666	6303		RE PM W/RET REQ TY I (W)4"(SLD)(100MIL)	LF	6199.000	
						720.000			666	6312		RE PM W/RET REQ TY I (Y)4"(BRK)(100MIL)	LF	720.000	
						7655.000			666	6315		RE PM W/RET REQ TY I (Y)4"(SLD)(100MIL)	LF	7655.000	
						25.000			672	6007		REFL PAV MRKR TY I-C	EA	25.000	
						126.000			672	6009		REFL PAV MRKR TY II-A-A	EA	126.000	
						15402.000			677	6001		ELIM EXT PAV MRK & MRKS (4")	LF	15402.000	
						84.000			677	6007		ELIM EXT PAV MRK & MRKS (24")	LF	84.000	
						2.000			677	6016		ELIM EXT PAV MRK & MRKS (RR XING)	EA	2.000	
						1.000			681	6001		TEMP TRAF SIGNALS	EA	1.000	
						1.000			685	6004		INSTL RDSO FLSH BCN ASSM (SOLAR PWRD)	EA	1.000	
						1.000			685	6006		REMOV RDSO FLSH BCN AM (SOLAR PWRD)	EA	1.000	
						2.000			1004	6001		TREE PROTECTION	EA	2.000	
		774.000							7125	6001		TEMPORARY PAVEMENT	LF	774.000	
		366.000							7125	6002		INSTALL 1 1/4" GAS LINE	LF	366.000	
		1040.000							7125	6003		INSTALL 2" GAS LINE	LF	1040.000	
		1263.000							7125	6004		INSTALL 4" GAS LINE	LF	1263.000	
		202.000							7125	6005		INSTALL 6" GAS LINE	LF	202.000	
		117.000							7125	6006		INSTALL 4" CASING PIPE	LF	117.000	
		544.000							7125	6007		INSTALL 8" CASING PIPE	LF	544.000	
		228.000							7125	6008		INSTALL 10" CASING PIPE	LF	228.000	
		19.000							7125	6009		RECONNECT EXISTING SERVICE	EA	19.000	
		3460.000							7125	6010		REMOVE EXISTING GAS PIPE	LF	3460.000	
		1.990							7126	6001		CAST IRON FITTINGS	TON	1.990	
		3.000							7126	6002		CUT AND PLUG WATER MAIN FOR TEST	EA	3.000	
		5530.000							7126	6003		TRENCH EXCAVATION SAFETY AND SUPPORT	LF	5530.000	
		239.640							7126	6004		ROCK FOUNDATION	CY	239.640	
		586.090							7126	6005		SAND BACKFILL	CY	586.090	
		1.000							7126	6006		DISPOSE HEAVY CHLORINATED WATER MAIN	LS	1.000	
		13.000							7126	6007		ADJUST AND/OR RELOCATE WATER METER BOX	EA	13.000	
		2.000							7126	6008		ADJ. WATER VALVE COVRS AND VALVE STACKS	EA	2.000	
		2488.000							7126	6009		ABNDON EXSTWTRLINE/ PRESSUREGROUT2"-12"	LF	2488.000	
		10.000							7126	6010		CUT ADN PLUG EXIST WATERLINE (2"-12")	EA	10.000	
		235.000							7126	6011		REMOVE EXIST WATERLINE (2"-12")	LF	235.000	
		6.000							7126	6012		CONNECT PROP 6"WTRLINE TO EXST 4"WTR LIN	EA	6.000	
		6.000							7126	6013		CONNECT PROP 6"WTRLINE TO EXST 6"WTR LIN	EA	6.000	
		4.000							7126	6014		2" GATE VALVE	EA	4.000	
		2.000							7126	6015		3" GATE VALVE	EA	2.000	
		2.000							7126	6016		4" GATE VALVE	EA	2.000	
		43.000							7126	6017		6" GATE VALVE	EA	43.000	
		4.000							7126	6018		8" GATE VALVE	EA	4.000	
		162.000							7126	6019		3" DR-26 C900 PVC WATERLINE	LF	162.000	
		5195.000							7126	6020		6"DR-26 C900 PVC WATER LINE	LF	5195.000	
		173.000							7126	6021		8" DR-18 C900 PVC WATER LINE	LF	173.000	
		116.000							7126	6022		ENCASEMNT FR 6"WATERLINE (BORE/OPN CUT)	LF	116.000	
		133.000							7126	6023		ENCASEMNT FR 8"WATERLINE (BORE/OPN CUT)	LF	133.000	

ESTIMATE & QUANTITY SHEET

DIST	COUNTY	CCSJ	SHEET
23	MCCULLOCH	0128-04-035, ETC	11B

Estimate Sheet

ESTIMATE SUMMARY															
		CONTROL 0128-04-036 US 190 ROW 128-4-36		CONTROL 0070-06-050 US 87 STP1702(167)HES		CONTROL 0128-04-035 US 190 STP 2017(458)		A L T	ITEM CODE			DESCRIPTION	UNIT	TOTAL	
EST	FINAL	EST	FINAL	EST	FINAL	EST	FINAL		ITEM CODE	DESC CODE	SP NO			EST	FINAL
		40.000							7126	6025		4" ENCASMENT PIPE	LF	40.000	
		15.000							7126	6026		WATER SERVICE RECONNECTS	EA	15.000	
		61.000							7126	6027		2" WATER SERVICE RECONNECTS	EA	61.000	
		12.000							7126	6028		INSTALL NEW FIRE HYDRANT	EA	12.000	
		4.000							7126	6029		REMOVE EXIST FIRE HYDRANT	EA	4.000	
		5572.000							7126	6030		TEMPORARY PAVEMENT REPLACEMENT	LF	5572.000	
		2.000							7126	6031		CONECT PROP 3"WATRLINE TO EXST 3"WTRLNE	EA	2.000	
		869.000							7127	6001		REMOVE EXISTING SEWER LINE 2"-12"	LF	869.000	
		140.000							7127	6002		ABNDON EXST SWRLINE/PRESURE GROUT2"-12"	LF	140.000	
		6.000							7127	6003		REMOVE STRUCTURAL MANHOLE	EA	6.000	
		12.000							7127	6004		VACUUM TEST FOR WASTEWATER MANHOLE	EA	12.000	
		3338.000							7127	6005		TELEVISION INSPECTION	LF	3338.000	
		197.670							7127	6006		ROCK FOUNDATION	CY	197.670	
		314.770							7127	6007		SAND BACKFILL	CY	314.770	
		12.000							7127	6008		48" PRECAST CONCRETE MANHOLE	EA	12.000	
		8.000							7127	6009		RECONNECT EXISTING SEWER MAINS	EA	8.000	
		34.000							7127	6010		RECONNECT EXISTING SEWER SERVICES	EA	34.000	
		2908.000							7127	6011		8" SDR-26 PVC GRAVITY SEWER LINE	LF	2908.000	
		95.000							7127	6013		ENCASEMENT FR 8"SEWR LINE(BORE/OPN CUT)	LF	95.000	
		2726.000							7127	6014		TRENCH SAFETY (DEPTHS GREATER THAN 5FT)	LF	2726.000	
		2654.000							7127	6015		TEMPORARY PAVEMENT REPLACEMENT	LF	2654.000	
		27.000							7127	6016		18"ENCASMNT EXST FORCEMAIN BORE/OPN-CUT	LF	27.000	
		10049.000							7128	6001		336 AAC PRIMARY PHASE CONDUCTOR	LF	10049.000	
		3348.000							7128	6002		#4/0 AAC PRIMARY NEUTRAL CONDUCTOR	LF	3348.000	
		1196.000							7128	6003		#2ACSR PRIMRY PHASE AND NEUTRAL CONDTR	LF	1196.000	
		1288.000							7128	6004		SECONDARY CONDUCTOR #2AL TRIPLEX CABLES	LF	1288.000	
		1239.000							7128	6005		MULTI 3" CONDUITS AND CONDUCTORS (BORE)	LF	1239.000	
		45.000							7131	6001		INSTALL POLE (HARDWARE,ANCHOR,AND MISC)	EA	45.000	
		24.000							7131	6002		INSTALL SERVICE (PRIMARY ONLY)	EA	24.000	
		16.000							7131	6003		INSTALL SERVICE(PRIMARY/SECONDARY ONLY)	EA	16.000	
		9.000							7131	6004		INSTALL SERVICE (SECONDARY ONLY)	EA	9.000	
		14.000							7131	6005		TRANSFORMER (INSTALL ONLY)	EA	14.000	
		41.000							7131	6006		REMOVE POLE	EA	41.000	
		49.000							7131	6007		REMOVE CABLE	EA	49.000	
		18.000							7131	6008		REMOVE TRANSFORMER	EA	18.000	
												RAILROAD FORCE ACCOUNT WORK (PART)			
												RAILROAD FLAGGING(60 DAYS AT \$1100/DAY)	LS	1.000	
												RAILROAD FORCE ACCOUNT WORK (PART)			
												RAILROAD TRACKWORK	LS	1.000	
												CONTRACTOR FORCE ACCOUNT WORK (PART)			
												IRRIGATION REPAIR	LS	1.000	
												CONTRACTOR FORCE ACCOUNT WORK (PART)			
												EROSION CONTROL MAINTENANCE	LS	1.000	

ESTIMATE & QUANTITY SHEET

DIST	COUNTY	CCSJ	SHEET
23	MCCULLOCH	0128-04-035, ETC	11C

Estimate Sheet

ESTIMATE SUMMARY															
		CONTROL 0128-04-036 US 190 ROW 128-4-36		CONTROL 0070-06-050 US 87 STP1702(167)HES		CONTROL 0128-04-035 US 190 STP 2017(458)		A L T	ITEM CODE			DESCRIPTION	UNIT	TOTAL	
EST	FINAL	EST	FINAL	EST	FINAL	EST	FINAL		ITEM CODE	DESC CODE	SP NO			EST	FINAL
												CONTRACTOR FORCE ACCOUNT WORK (PART)			
												SAFETY CONTINGENCY	LS		1.000

ESTIMATE & QUANTITY SHEET

DIST	COUNTY	CCSJ	SHEET
23	MCCULLOCH	0128-04-035, ETC	11D

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