

SUBJECT: PLANS AND PROPOSAL ADDENDUMS

PROJECT: F 2024(994)

CONTROL: 0008-03-133

COUNTY: PARKER

LETTING: 05/03/2024

REFERENCE NO: 0418

**PROPOSAL ADDENDUMS**

- 
- PROPOSAL COVER
  - BID INSERTS (SH. NO.: 2-26,3-26 thru 9-26,15-26,16-26 and 23-26 )
  - GENERAL NOTES (SH. NO.: ALL )
  
  - SPEC LIST (SH. NO.: )
  - SPECIAL PROVISIONS: )
  - ADDED:
  
  - DELETED:
  
  - SPECIAL SPECIFICATIONS:
  - ADDED:
  
  - DELETED:
  
  - OTHER: See changes below

DESCRIPTION OF ABOVE CHANGES  
(INCLUDING PLANS SHEET CHANGES)

BID INSERTS:SHEET 2-26-Revised quantity for items 310-6001 & 360-6007  
SHEET 3-26-Added item 416-6018  
SHEET 4-26-Revised quantity for item 423-6005  
SHEET 5-26-Revised quantity for items 464-6005 & 464-6009  
Added item 464-6003. Deleted 462-6057  
SHEET 6-26-Revised quantity for items 465-6416,465-6493 and  
465-6514  
SHEET 7-26-Added items 466-6136 & 467-6363. Deleted 466-6056  
SHEET 8-26-Revised quantity for items 467-6395,476-6013  
476-6019 and 496-6004  
SHEET 9-26-Revised quantity for item 496-6007  
SHEET 15-26-Revised quantity for item 636-6003  
Added item 636-6002  
SHEET 16-26-Added item 647-6001  
SHEET 23-26-Revised quantity for item 3076-6001  
GENERAL NOTES:SHEET 17F-Deleted first and second paragraphs under item 7  
(Legal relations and responsibility)  
PLAN SHEETS: Revised sheets 17F,18,18A,18B,18D,18E,18G,19,21,22,23,24,25,  
27,47,49,58,406,409 and 415

**Control:** 0008-03-133, ETC.

**Sheet M**

**County:** PARKER, ETC.

**Highway:** IH 20, ETC.

**Item 6. Control of Materials**

To comply with the latest provisions of Build America, Buy America Act (BABA Act) of the Bipartisan Infrastructure Law, the contractor must submit a notarized original of the TxDOT Construction Material Buy America Certification Form for all items classified as construction materials. This form is not required for materials classified as a manufactured product.

Refer to the Buy America Material Classification Sheet for clarification on material categorization.

The Buy America Material Classification Sheet is located at the below link.

<https://www.txdot.gov/business/resources/materials/buy-america-material-classification-sheet.html> for clarification on material categorization.

**Item 7. Legal Relations and Responsibilities**



Do not initiate activities in a project specific location (PSL) associated with a U.S. Army Corps of Engineers (USACE) permit area that has not been previously evaluated by the USACE as part of the permit review of this project. Such activities include, but are not limited to haul roads, equipment staging areas, borrow and disposal sites. "Associated" as defined here means materials are delivered to or from the PSL. The permit area includes all waters of the U.S. or associated wetlands affected by activities associated with this project. Special restrictions may be required for such work. The contractor will be responsible for all consultations with the USACE regarding activities, including project specific locations (PSLs) that have not been previously evaluated by the USACE. Provide the Department with a copy of all consultations or approvals from the USACE prior to initiating activities.

The Contractor may proceed with activities in PSLs that do not affect a USACE permit area if a self-determination has been made that the PSL is non-jurisdictional or proper USACE clearances have been obtained in jurisdictional areas or have been previously evaluated by the USACE as part of the permit review of this project. The contractor is solely responsible for documenting any determinations that their activities do not affect a USACE permit area. Maintain copies of these determinations for review by the Department or any regulatory agency.

Document and coordinate with the USACE, if required, prior to any excavation hauled from or embankment hauled into a USACE permit area by either (1) or (2) below.

General Notes

Sheet M

**Control:** 0008-03-133, ETC.

**Sheet N**

**County:** PARKER, ETC.

**Highway:** IH 20, ETC.

- (1) **Restricted Use of Materials for Previously Evaluated Permit Areas.** Document both the project specific location (PSL) and its authorization. Maintain copies for review by the Department or any regulatory agency. When an area within the project limits has been evaluated by the USACE as part of the permit process for this project:
  - a. Suitable excavation of required material in the areas shown on the plans and cross sections as specified in Item 110 is used for permanent or temporary fill (Item 132, Embankment) within a USACE permit area;
  - b. Suitable embankment (Item 132) from within the USACE permit area is used as fill within a USACE evaluated area; and,
  - c. Unsuitable excavation or excess excavation ["Waste"] (Item 110) that is disposed of at a location approved by the Engineer within a USACE evaluated area.
- (2) **Contractor Materials from Areas Other than Previously Evaluated Areas.** Provide the Department with a copy of all USACE coordination or approvals prior to initiating any activities for an area within the project limits that has not been evaluated by the USACE or for any off right of way locations used for the following, but not limited to haul roads, equipment staging areas, borrow and disposal sites:
  - a. Item 132, Embankment, used for temporary or permanent fill within a USACE permit area; and,
  - b. Unsuitable excavation or excess excavation ["Waste"] (Item 110, Excavation) that is disposed of outside a USACE evaluated area.

The total area disturbed for this project is 188.64 acres. The disturbed area in this project, all project locations in the Contract, and the Contractor project specific locations (PSLs), within 1 mile of the project limits, for the Contract will further establish the authorization requirements for storm water discharges. The Department will obtain an authorization to discharge storm water from the Texas Commission on Environmental Quality (TCEQ) for the construction activities shown on the plans. The Contractor is to obtain required authorization from the TCEQ for Contractor PSLs for construction support activities on or off the right of way. When the total area disturbed in the Contract and PSLs within 1 mile of the project limits exceeds 5 acres, provide a copy of the Contractor NOI for PSLs on the right of way to the Engineer and to the local government that operates a separate storm sewer system.

When a bridge deck is milled, seal coated and overlaid, remove excess material. Do not just broom to the sides of the bridge, under guardrail, etc. Cover or protect all sealed expansion joints and rails on bridges and all railroad tracks encountered as approved. Clean and repair all of these features if they weren't properly protected at contractor's expense. This work is subsidiary work to applicable bid items.

Prevention of Migratory Bird Nesting

It is anticipated that migratory birds, a protected group of species, may try to nest on bridges, culverts, vegetation, or gravel substrate, at any time of the year. The preferred nesting season for

General Notes

Sheet 17F



# Estimate & Quantity Sheet

CONTROLLING PROJECT ID 0008-03-133

DISTRICT Fort Worth  
HIGHWAY IH 20, IH 30

COUNTY Parker, Tarrant

CONTROL SECTION JOB				0008-03-133		1068-01-238		1068-05-014		TOTAL EST.	TOTAL FINAL
PROJECT ID				A00184065		A00201407		A00062597			
COUNTY				Parker		Tarrant		Parker			
HIGHWAY				IH 20		IH 30		IH 30			
ALT	BID CODE	DESCRIPTION	UNIT	EST.	FINAL	EST.	FINAL	EST.	FINAL		
	100-6002	PREPARING ROW	STA	102.850				76.150		179.000	
	104-6001	REMOVING CONC (PAV)	SY	22,801.000				35,137.000		57,938.000	
	104-6010	REMOVING CONC (RIPRAP)	CY	197.000				405.000		602.000	
	104-6017	REMOVING CONC (DRIVEWAYS)	SY	956.000				137.000		1,093.000	
	104-6021	REMOVING CONC (CURB)	LF	467.000				495.000		962.000	
	104-6036	REMOVING CONC (SIDEWALK OR RAMP)	SY	119.000				18.000		137.000	
	104-6054	REMOVING CONCRETE(MOW STRIP)	LF	2,900.000				4,100.000		7,000.000	
	105-6091	REMOVING STAB BASE & ASPH PAV (8"-12")	SY	48,978.000				3,696.000		52,674.000	
	106-6002	OBLITERATING ABANDONED ROAD	SY	21,029.000						21,029.000	
	110-6001	EXCAVATION (ROADWAY)	CY	201,592.000				213,735.000		415,327.000	
	132-6006	EMBANKMENT (FINAL)(DENS CONT)(TY C)	CY	31,881.000				11,333.000		43,214.000	
	161-6017	COMPOST MANUF TOPSOIL (4")	SY	329,147.000				174,248.000		503,395.000	
	162-6002	BLOCK SODDING	SY	7,212.000				6,350.000		13,562.000	
	164-6035	DRILL SEEDING (PERM) (RURAL) (CLAY)	SY	329,147.000				174,248.000		503,395.000	
	164-6041	DRILL SEEDING (TEMP) (WARM)	SY	164,578.000				87,125.000		251,703.000	
	164-6043	DRILL SEEDING (TEMP) (COOL)	SY	164,578.000				87,125.000		251,703.000	
	168-6001	VEGETATIVE WATERING	MG	11,559.000				6,209.000		17,768.000	
	169-6001	SOIL RETENTION BLANKETS (CL 1) (TY A)	SY	10,608.000				1,555.000		12,163.000	
	247-6236	FL BS (RDWY DEL)(TY A GR 1-2)(FNAL POS)	CY	7,513.000				10,223.000		17,736.000	
	260-6016	LIME (HYD, COM, OR QK(SLURRY))	TON	2,127.000				1,220.000		3,347.000	
	260-6027	LIME TRT (EXST MATL)(8")	SY	127,488.000				73,298.000		200,786.000	
1	310-6001	PRIME COAT (MULTI OPTION)	GAL	62,510.000				28,561.000		91,071.000	
1	354-6048	PLANE ASPH CONC PAV (3")	SY	133,145.000				62,337.000		195,482.000	
	360-6007	CONC PVMT (CONT REINF - CRCP) (13")	SY	86,742.000				25,314.000		112,056.000	
	360-6080	CONC PVMT(CRCP)(TRANSITION SLAB)	SY	129.000				129.000		258.000	
	400-6002	STRUCT EXCAV (BOX)	CY	196.000				1,916.000		2,112.000	
	400-6003	STRUCT EXCAV (PIPE)	CY	8,530.000				4,733.000		13,263.000	
	400-6005	CEM STABIL BKFL	CY	615.000				113.000		728.000	
	400-6006	CUT & RESTORING PAV	SY	263.000				23.000		286.000	
	402-6001	TRENCH EXCAVATION PROTECTION	LF	9,624.000				6,595.000		16,219.000	
	403-6001	TEMPORARY SPL SHORING	SF	11,780.000				15,600.000		27,380.000	
	416-6005	DRILL SHAFT (42 IN)	LF	28.000				30.000		58.000	
	416-6006	DRILL SHAFT (48 IN)	LF	52.000		21.000		125.000		198.000	
	416-6007	DRILL SHAFT (54 IN)	LF			50.000				50.000	
1	416-6018	DRILL SHAFT (SIGN MTS) (24 IN)	LF	16.000				8.000		24.000	
	416-6029	DRILL SHAFT (RDWY ILL POLE) (30 IN)	LF	208.000				168.000		376.000	
	420-6066	CL C CONC (RAIL FOUNDATION)	CY	85.000				37.000		122.000	

1 REVISED  
4/17/2024

DISTRICT	COUNTY	CCSJ	SHEET
Fort Worth	Parker	0008-03-133	18



# Estimate & Quantity Sheet

CONTROLLING PROJECT ID 0008-03-133

DISTRICT Fort Worth  
HIGHWAY IH 20, IH 30

COUNTY Parker, Tarrant

CONTROL SECTION JOB				0008-03-133		1068-01-238		1068-05-014		TOTAL EST.	TOTAL FINAL
PROJECT ID				A00184065		A00201407		A00062597			
COUNTY				Parker		Tarrant		Parker			
HIGHWAY				IH 20		IH 30		IH 30			
ALT	BID CODE	DESCRIPTION	UNIT	EST.	FINAL	EST.	FINAL	EST.	FINAL		
	420-6138	CL C CONC (VEH DEFL WALL)	CY					140.410		140.410	
1	423-6001	RETAINING WALL (MSE)	SF	3,668.000						3,668.000	
	423-6005	RETAINING WALL (SPREAD FOOTING)	SF	4,918.000						4,918.000	
	432-6001	RIPRAP (CONC)(4 IN)	CY	861.000		5.000		1,463.000		2,329.000	
	432-6031	RIPRAP (STONE PROTECTION)(12 IN)	CY	121.000				15.000		136.000	
	432-6033	RIPRAP (STONE PROTECTION)(18 IN)	CY					111.000		111.000	
	432-6045	RIPRAP (MOW STRIP)(4 IN)	CY	359.000		19.000		234.000		612.000	
	432-6046	RIPRAP (MOW STRIP)(5 IN)	CY	17.000						17.000	
	432-6047	RIPRAP (MOW STRIP)(6 IN)	CY	507.000				370.000		877.000	
	450-6023	RAIL (TY SSTR)	LF	2,257.000						2,257.000	
	450-6027	RAIL (TY T80SS)	LF					301.000		301.000	
	450-6054	RAIL (TY SSTR) (W/DRAIN SLOTS)	LF	550.000						550.000	
	450-6103	RAIL (TY PR11)	LF					1,305.000		1,305.000	
	462-6004	CONC BOX CULV (4 FT X 3 FT)	LF	52.000				995.000		1,047.000	
	462-6007	CONC BOX CULV (5 FT X 3 FT)	LF	19.000				561.000		580.000	
	462-6008	CONC BOX CULV (5 FT X 4 FT)	LF	35.000						35.000	
	462-6011	CONC BOX CULV (6 FT X 4 FT)	LF	30.000						30.000	
1	464-6003	RC PIPE (CL III)(18 IN)	LF	104.000						104.000	
	464-6005	RC PIPE (CL III)(24 IN)	LF	7,596.000				3,093.000		10,689.000	
	464-6007	RC PIPE (CL III)(30 IN)	LF	2,033.000				388.000		2,421.000	
	464-6008	RC PIPE (CL III)(36 IN)	LF	2,391.000				2,224.000		4,615.000	
1	464-6009	RC PIPE (CL III)(42 IN)	LF	582.000				372.000		954.000	
	464-6010	RC PIPE (CL III)(48 IN)	LF					56.000		56.000	
	464-6026	RC PIPE (CL V)(24 IN)	LF					161.000		161.000	
1	465-6416	INLET (COMPL)(CO)(10 FT)(FTW)	EA	74.000				19.000		93.000	
	465-6436	INLET (COMPL)(COB-C)(10 FT)(FTW)	EA					1.000		1.000	
	465-6461	INLET (COMPL)(FGS2)(FTW)	EA	1.000						1.000	
	465-6467	INLT (COMPL)(AD)(4'X 4'-3' X 3')(FTW)	EA	2.000				1.000		3.000	
	465-6470	INLT (COMPL)(AD)(5'X 5'-3' X 3')(FTW)	EA	2.000						2.000	
	465-6474	INLT (COMPL)(AD)(6'X 6'-3' X 3')(FTW)	EA	1.000						1.000	
	465-6476	INLT (COMPL)(AD)(7'X 4'-3' X 3')(FTW)	EA					1.000		1.000	
	465-6487	INLET (COMPL)(AD-2)(FTW)	EA	27.000				10.000		37.000	
1	465-6493	MANH (COMPL)(TY SD)(5'X 3'-3'X 3')(FTW)	EA	2.000						2.000	
	465-6514	JUNCT BOX (COMPL)(JB)(4FT X 4FT)(FTW)	EA	4.000						4.000	
	465-6523	JUNCT BOX (COMPL)(JB)(7FT X 4FT)(FTW)	EA					1.000		1.000	
	465-6526	JUNCT BOX (COMPL)(JB)(7FT X 7FT)(FTW)	EA					1.000		1.000	
	466-6005	HEADWALL (CH - FW - 0) (DIA= 24 IN)	EA	3.000				1.000		4.000	

1 REVISED  
4/17/2024

DISTRICT	COUNTY	CCSJ	SHEET
Fort Worth	Parker	0008-03-133	18A



# Estimate & Quantity Sheet

CONTROLLING PROJECT ID 0008-03-133

DISTRICT Fort Worth  
HIGHWAY IH 20, IH 30

COUNTY Parker, Tarrant

CONTROL SECTION JOB				0008-03-133		1068-01-238		1068-05-014		TOTAL EST.	TOTAL FINAL
PROJECT ID				A00184065		A00201407		A00062597			
COUNTY				Parker		Tarrant		Parker			
HIGHWAY				IH 20		IH 30		IH 30			
ALT	BID CODE	DESCRIPTION	UNIT	EST.	FINAL	EST.	FINAL	EST.	FINAL		
	466-6009	HEADWALL (CH - FW - 0) (DIA= 36 IN)	EA	2.000						2.000	
	466-6010	HEADWALL (CH - FW - 0) (DIA= 42 IN)	EA	1.000						1.000	
1	466-6035	HEADWALL (CH - FW - 30) (DIA= 24 IN)	EA					1.000		1.000	
	466-6101	HEADWALL (CH - PW - 0) (DIA= 36 IN)	EA	1.000						1.000	
	466-6130	HEADWALL (CH - PW - S) (DIA= 24 IN)	EA	2.000						2.000	
1	466-6136	HEADWALL (CH - PW - S) (DIA= 48 IN)	EA					1.000		1.000	
	466-6165	WINGWALL (FW - S) (HW=4 FT)	EA	1.000						1.000	
	466-6194	WINGWALL (PW - 2) (HW=5 FT)	EA	4.000						4.000	
	466-6197	WINGWALL (PW - 2) (HW=8 FT)	EA					1.000		1.000	
	466-6198	WINGWALL (PW - 2) (HW=9 FT)	EA					1.000		1.000	
1	467-6363	SET (TY II) (18 IN) (RCP) (6: 1) (P)	EA	4.000						4.000	
	467-6390	SET (TY II) (24 IN) (RCP) (4: 1) (C)	EA	2.000						2.000	
1	467-6395	SET (TY II) (24 IN) (RCP) (6: 1) (P)	EA	6.000				2.000		8.000	
	467-6419	SET (TY II) (30 IN) (RCP) (4: 1) (C)	EA	1.000						1.000	
	467-6423	SET (TY II) (30 IN) (RCP) (6: 1) (P)	EA	2.000				1.000		3.000	
1	476-6013	JACK BOR OR TUN PIPE(24 IN)(RC)(CL III)	LF	134.000						134.000	
	476-6015	JACK BOR OR TUN PIPE(24 IN)(RC)(CL V)	LF	94.000						94.000	
1	476-6019	JACK BOR OR TUN PIPE(30 IN)(RC)(CL III)	LF	203.000						203.000	
	476-6024	JACK BOR OR TUN PIPE(36 IN)(RC)(CL III)	LF	225.000						225.000	
	476-6029	JACK BOR OR TUN PIPE(42 IN)(RC)(CL III)	LF	125.000						125.000	
	480-6001	CLEAN EXIST CULVERTS	EA					3.000		3.000	
	496-6002	REMOV STR (INLET)	EA	18.000				5.000		23.000	
1	496-6004	REMOV STR (SET)	EA	15.000						15.000	
	496-6005	REMOV STR (WINGWALL)	EA	2.000				7.000		9.000	
	496-6006	REMOV STR (HEADWALL)	EA	2.000						2.000	
1	496-6007	REMOV STR (PIPE)	LF	2,989.000				111.000		3,100.000	
	496-6008	REMOV STR (BOX CULVERT)	LF					14.000		14.000	
	496-6035	REMOV STR (DRILL SHAFT)	EA	2.000				6.000		8.000	
	500-6001	MOBILIZATION	LS	0.600		0.010		0.390		1.000	
	502-6001	BARRICADES, SIGNS AND TRAFFIC HANDLING	MO	19.000				20.000		39.000	
	506-6002	ROCK FILTER DAMS (INSTALL) (TY 2)	LF	180.000				274.000		454.000	
	506-6011	ROCK FILTER DAMS (REMOVE)	LF	180.000				274.000		454.000	
	506-6020	CONSTRUCTION EXITS (INSTALL) (TY 1)	SY	390.000				390.000		780.000	
	506-6024	CONSTRUCTION EXITS (REMOVE)	SY	390.000				390.000		780.000	
	506-6038	TEMP SEDMT CONT FENCE (INSTALL)	LF	730.000				1,025.000		1,755.000	
	506-6039	TEMP SEDMT CONT FENCE (REMOVE)	LF	730.000				1,025.000		1,755.000	
	506-6041	BIODEG EROSN CONT LOGS (INSTL) (12")	LF	2,082.000				861.000		2,943.000	

1 REVISED  
4/17/2024

DISTRICT	COUNTY	CCSJ	SHEET
Fort Worth	Parker	0008-03-133	18B



# Estimate & Quantity Sheet

CONTROLLING PROJECT ID 0008-03-133

DISTRICT Fort Worth  
HIGHWAY IH 20, IH 30

COUNTY Parker, Tarrant

CONTROL SECTION JOB				0008-03-133		1068-01-238		1068-05-014		TOTAL EST.	TOTAL FINAL
PROJECT ID				A00184065		A00201407		A00062597			
COUNTY				Parker		Tarrant		Parker			
HIGHWAY				IH 20		IH 30		IH 30			
ALT	BID CODE	DESCRIPTION	UNIT	EST.	FINAL	EST.	FINAL	EST.	FINAL		
	506-6043	BIODEG EROSN CONT LOGS (REMOVE)	LF	2,082.000				861.000		2,943.000	
	508-6001	CONSTRUCTING DETOURS	SY	31,100.000				63,350.000		94,450.000	
	512-6001	PORT CTB (FUR & INST)(SGL SLOPE)(TY 1)	LF	9,080.000				32,240.000		41,320.000	
	512-6009	PORT CTB (FUR & INST)(LOW PROF)(TY 1)	LF	15,460.000				4,060.000		19,520.000	
	512-6010	PORT CTB (FUR & INST)(LOW PROF)(TY 2)	LF	160.000				20.000		180.000	
	512-6025	PORT CTB (MOVE)(SGL SLP)(TY 1)	LF	48,640.000				85,240.000		133,880.000	
	512-6033	PORT CTB (MOVE)(LOW PROF)(TY 1)	LF	28,120.000				12,980.000		41,100.000	
	512-6034	PORT CTB (MOVE)(LOW PROF)(TY 2)	LF	280.000				120.000		400.000	
	512-6049	PORT CTB (REMOVE)(SGL SLP)(TY 1)	LF	41,320.000						41,320.000	
	512-6057	PORT CTB (REMOVE)(LOW PROF)(TY 1)	LF	19,520.000						19,520.000	
	512-6058	PORT CTB (REMOVE)(LOW PROF)(TY 2)	LF	180.000						180.000	
	514-6001	PERM CTB (SGL SLOPE) (TY 1) (42 )	LF	12,161.000				8,744.000		20,905.000	
	514-6038	PERM CTB (SSCB)(TY 1)(MOD)	LF					105.000		105.000	
	529-6005	CONC CURB (MONO) (TY II)	LF	31,742.000				9,454.000		41,196.000	
	530-6004	DRIVEWAYS (CONC)	SY	2,044.000				618.000		2,662.000	
	531-6001	CONC SIDEWALKS (4")	SY	19,941.000				11,660.000		31,601.000	
	531-6005	CURB RAMPS (TY 2)	EA					1.000		1.000	
	531-6006	CURB RAMPS (TY 3)	EA	3.000						3.000	
	531-6017	CURB RAMPS (TY 22)	EA	2.000						2.000	
	540-6001	MTL W-BEAM GD FEN (TIM POST)	LF	4,960.000		250.000		3,263.000		8,473.000	
	540-6006	MTL BEAM GD FEN TRANS (THRIE-BEAM)	EA					1.000		1.000	
	540-6007	MTL BEAM GD FEN TRANS (TL2)	EA					2.000		2.000	
	540-6016	DOWNSTREAM ANCHOR TERMINAL SECTION	EA	12.000		2.000		13.000		27.000	
	542-6001	REMOVE METAL BEAM GUARD FENCE	LF	125.000				875.000		1,000.000	
	542-6002	REMOVE TERMINAL ANCHOR SECTION	EA	1.000				4.000		5.000	
	542-6003	REMOVE DOWNSTREAM ANCHOR TERMINAL	EA	2.000				4.000		6.000	
	543-6020	CABLE BARRIER TERMINAL SECTION (TL-4)	EA	3.000				3.000		6.000	
	543-6021	REMOVE CABLE BARRIER	LF	10,285.000				7,615.000		17,900.000	
	544-6001	GUARDRAIL END TREATMENT (INSTALL)	EA	12.000		2.000		16.000		30.000	
	545-6003	CRASH CUSH ATTEN (MOVE & RESET)	EA	10.000				7.000		17.000	
	545-6005	CRASH CUSH ATTEN (REMOVE)	EA	15.000						15.000	
	545-6019	CRASH CUSH ATTEN (INSTL)(S)(N)(TL3)	EA	13.000				2.000		15.000	
	545-6026	CRASH CUSHION ATTEN (INSTALL) (QUAD)(N)	EA	4.000				3.000		7.000	
	560-6011	MAILBOX INSTALL-S (TWW-POST) TY 4	EA	4.000						4.000	
	560-6012	MAILBOX INSTALL-D (TWW-POST) TY 4	EA	1.000						1.000	
	610-6009	REMOVE RD IL ASM (TRANS-BASE)	EA	4.000				6.000		10.000	
	610-6102	REPLACE LUMINAIRE W/LED (250W EQ)	EA	6.000						6.000	

1 REVISIED  
4/17/2024



DISTRICT	COUNTY	CCSJ	SHEET
Fort Worth	Parker	0008-03-133	18C





# Estimate & Quantity Sheet

CONTROLLING PROJECT ID 0008-03-133

DISTRICT Fort Worth  
HIGHWAY IH 20, IH 30

COUNTY Parker, Tarrant

CONTROL SECTION JOB				0008-03-133		1068-01-238		1068-05-014		TOTAL EST.	TOTAL FINAL
PROJECT ID				A00184065		A00201407		A00062597			
COUNTY				Parker		Tarrant		Parker			
HIGHWAY				IH 20		IH 30		IH 30			
ALT	BID CODE	DESCRIPTION	UNIT	EST.	FINAL	EST.	FINAL	EST.	FINAL		
	610-6104	IN RD IL (U/P) (TY 1) (150W EQ) LED	EA					16.000		16.000	
	610-6218	IN RD IL (TY SA) 40T-12 (250W EQ) LED	EA	26.000				21.000		47.000	
	618-6023	CONDT (PVC) (SCH 40) (2")	LF	9,928.000		103.000		8,535.000		18,566.000	
	618-6029	CONDT (PVC) (SCH 40) (3")	LF	2,090.000		190.000		1,850.000		4,130.000	
	618-6033	CONDT (PVC) (SCH 40) (4")	LF	850.000						850.000	
	618-6047	CONDT (PVC) (SCH 80) (2") (BORE)	LF	1,839.000		525.000		960.000		3,324.000	
	618-6054	CONDT (PVC) (SCH 80) (3") (BORE)	LF	1,180.000		380.000		540.000		2,100.000	
	618-6064	CONDT (RM) (1")	LF					1,013.000		1,013.000	
	620-6003	ELEC CONDR (NO.12) BARE	LF	8,955.000				6,862.000		15,817.000	
	620-6004	ELEC CONDR (NO.12) INSULATED	LF	17,910.000				13,724.000		31,634.000	
	620-6007	ELEC CONDR (NO.8) BARE	LF	10,091.000		5,161.000		12,541.000		27,793.000	
	620-6008	ELEC CONDR (NO.8) INSULATED	LF	1,002.000		406.000		2,816.000		4,224.000	
	620-6009	ELEC CONDR (NO.6) BARE	LF	2,520.000						2,520.000	
	620-6010	ELEC CONDR (NO.6) INSULATED	LF	410.000						410.000	
	620-6011	ELEC CONDR (NO.4) BARE	LF			231.000				231.000	
	620-6012	ELEC CONDR (NO.4) INSULATED	LF			681.000				681.000	
	620-6015	ELEC CONDR (NO.2) BARE	LF			421.000				421.000	
	620-6016	ELEC CONDR (NO.2) INSULATED	LF			1,263.000				1,263.000	
	620-6021	ELEC CONDR (NO.2/0) BARE	LF	2,991.000				2,671.000		5,662.000	
	620-6022	ELEC CONDR (NO.2/0) INSULATED	LF	5,982.000				5,342.000		11,324.000	
	624-6002	GROUND BOX TY A (122311)W/APRON	EA	11.000				8.000		19.000	
	624-6009	GROUND BOX TY D (162922)	EA	1.000						1.000	
	624-6010	GROUND BOX TY D (162922)W/APRON	EA	11.000		5.000		15.000		31.000	
	628-6001	RELOCATE ELECTRICAL SERVICES	EA	2.000						2.000	
	628-6045	ELC SRV TY A 240/480 060(NS)SS(E)SP(O)	EA	2.000						2.000	
	628-6046	ELC SRV TY A 240/480 060(NS)SS(E)SP(U)	EA					1.000		1.000	
	628-6145	ELC SRV TY D 120/240 060(NS)SS(E)SP(O)	EA	1.000						1.000	
	628-6194	ELC SRV TY D 120/240 070(NS)SS(N)SP(O)	EA	2.000		2.000		2.000		6.000	
	628-6195	ELC SRV TY D 120/240 070(NS)SS(N)SP(U)	EA	1.000				1.000		2.000	
	636-6001	ALUMINUM SIGNS (TY A)	SF	110.000						110.000	
	636-6002	ALUMINUM SIGNS (TY G)	SF	236.000				140.000		376.000	
	636-6003	ALUMINUM SIGNS (TY O)	SF	3,519.000		579.000		640.000		4,738.000	
	644-6001	IN SM RD SN SUP&AM TY10BWG(1)SA(P)	EA	33.000				24.000		57.000	
	644-6004	IN SM RD SN SUP&AM TY10BWG(1)SA(T)	EA	38.000				13.000		51.000	
	644-6007	IN SM RD SN SUP&AM TY10BWG(1)SA(U)	EA	2.000						2.000	
	644-6030	IN SM RD SN SUP&AM TYS80(1)SA(T)	EA	5.000				2.000		7.000	
	644-6033	IN SM RD SN SUP&AM TYS80(1)SA(U)	EA	1.000						1.000	

1

1 REVISIED  
4/17/2024

DISTRICT	COUNTY	CCSJ	SHEET
Fort Worth	Parker	0008-03-133	18D



# Estimate & Quantity Sheet

CONTROLLING PROJECT ID 0008-03-133

DISTRICT Fort Worth  
HIGHWAY IH 20, IH 30

COUNTY Parker, Tarrant

CONTROL SECTION JOB				0008-03-133		1068-01-238		1068-05-014		TOTAL EST.	TOTAL FINAL
PROJECT ID				A00184065		A00201407		A00062597			
COUNTY				Parker		Tarrant		Parker			
HIGHWAY				IH 20		IH 30		IH 30			
ALT	BID CODE	DESCRIPTION	UNIT	EST.	FINAL	EST.	FINAL	EST.	FINAL		
1	644-6050	IN SM RD SN SUP&AM TYS80(2)SA(P)	EA	3.000				3.000		6.000	
	644-6064	IN BRIDGE MNT CLEARANCE SGN ASSM(TY N)	EA	2.000				2.000		4.000	
	644-6065	IN BRIDGE MNT CLEARANCE SGN ASSM(TY S)	EA					4.000		4.000	
	644-6076	REMOVE SM RD SN SUP&AM	EA	60.000				20.000		80.000	
	647-6001	INSTALL LRSS (STRUCT STEEL)	LB	968.000				503.000		1,471.000	
	650-6025	INS OH SN SUP(25 FT CANT)	EA	1.000						1.000	
	650-6032	INS OH SN SUP(30 FT CANT)	EA	2.000				3.000		5.000	
	650-6035	INS OH SN SUP(35 FT BAL TEE)	EA			2.000				2.000	
	650-6038	INS OH SN SUP(35 FT CANT)	EA					1.000		1.000	
	650-6045	INS OH SN SUP(40 FT CANT)	EA			2.000				2.000	
	650-6204	REMOVE OVERHD SIGN SUP	EA	1.000		2.000		1.000		4.000	
	650-6205	REMOVE OVERHD SIGN SUP (SIGN ONLY)	EA	29.000				4.000		33.000	
	654-6006	SIGN WALKWAY (48 IN) WITH HNDRL	LF			10.000				10.000	
	658-6013	INSTL DEL ASSM (D-SW)SZ (BRF)CTB	EA	28.000				21.000		49.000	
	658-6015	INSTL DEL ASSM (D-SW)SZ (BRF)GF1	EA	92.000		11.000		59.000		162.000	
	658-6026	INSTL DEL ASSM (D-SY)SZ (BRF)CTB	EA	52.000				35.000		87.000	
	658-6028	INSTL DEL ASSM (D-SY)SZ (BRF)GF1	EA	13.000				28.000		41.000	
	658-6080	INSTL DEL ASSM (D-SW)SZ 1(WFLX)GND	EA	44.000				56.000		100.000	
	658-6099	INSTL OM ASSM (OM-2Z)(WFLX)GND	EA	8.000				4.000		12.000	
	662-6060	WK ZN PAV MRK REMOV (W)4"(BRK)	LF	37,530.000				64,090.000		101,620.000	
	662-6061	WK ZN PAV MRK REMOV (W)4"(DOT)	LF	136.000						136.000	
	662-6063	WK ZN PAV MRK REMOV (W)4"(SLD)	LF	62,100.000				44,405.000		106,505.000	
	662-6071	WK ZN PAV MRK REMOV (W)8"(SLD)	LF	920.000						920.000	
	662-6095	WK ZN PAV MRK REMOV (Y)4"(SLD)	LF	57,225.000				44,405.000		101,630.000	
	662-6109	WK ZN PAV MRK SHT TERM (TAB)TY W	EA	8,070.000				3,975.000		12,045.000	
	662-6111	WK ZN PAV MRK SHT TERM (TAB)TY Y-2	EA	8,490.000				4,215.000		12,705.000	
	666-6018	REFL PAV MRK TY I (W)6"(DOT)(100MIL)	LF	190.000				279.000		469.000	
	666-6021	REFL PAV MRK TY I (W)6"(LNDP)(100MIL)	LF	405.000				297.000		702.000	
	666-6036	REFL PAV MRK TY I (W)8"(SLD)(100MIL)	LF	11,482.000				8,460.000		19,942.000	
	666-6042	REFL PAV MRK TY I (W)12"(SLD)(100MIL)	LF	7,566.000				2,640.000		10,206.000	
666-6048	REFL PAV MRK TY I (W)24"(SLD)(100MIL)	LF	597.000						597.000		
666-6054	REFL PAV MRK TY I (W)(ARROW)(100MIL)	EA	16.000				1.000		17.000		
666-6072	REFL PAV MRK TY I(W)(LNDP ARW)(100MIL)	EA	6.000				8.000		14.000		
666-6075	REFL PAV MRK TY I (W)(NUMBER)(100MIL)	EA	2.000				4.000		6.000		
666-6078	REFL PAV MRK TY I (W)(WORD)(100MIL)	EA	12.000				3.000		15.000		
666-6099	REF PAV MRK TY I(W)18"(YLD TRI)(100MIL)	EA	18.000				8.000		26.000		
666-6225	PAVEMENT SEALER 6"	LF	104,076.000				75,264.000		179,340.000		

1 REVISED 4/17/2024

DISTRICT	COUNTY	CCSJ	SHEET
Fort Worth	Parker	0008-03-133	18E





# Estimate & Quantity Sheet

CONTROLLING PROJECT ID 0008-03-133

DISTRICT Fort Worth  
HIGHWAY IH 20, IH 30

COUNTY Parker, Tarrant

CONTROL SECTION JOB				0008-03-133		1068-01-238		1068-05-014		TOTAL EST.	TOTAL FINAL
PROJECT ID				A00184065		A00201407		A00062597			
COUNTY				Parker		Tarrant		Parker			
HIGHWAY				IH 20		IH 30		IH 30			
ALT	BID CODE	DESCRIPTION	UNIT	EST.	FINAL	EST.	FINAL	EST.	FINAL		
	666-6226	PAVEMENT SEALER 8"	LF	11,482.000				8,460.000		19,942.000	
	666-6228	PAVEMENT SEALER 12"	LF	7,566.000				2,640.000		10,206.000	
	666-6230	PAVEMENT SEALER 24"	LF	597.000						597.000	
	666-6231	PAVEMENT SEALER (ARROW)	EA	16.000				1.000		17.000	
	666-6232	PAVEMENT SEALER (WORD)	EA	12.000				3.000		15.000	
	666-6237	PAVEMENT SEALER (LNDP ARROW)	EA	5.000				6.000		11.000	
	666-6243	PAVEMENT SEALER (YLD TRI)	EA	18.000				8.000		26.000	
	666-6248	PAVEMENT SEALER (NUMBER)	EA	2.000				4.000		6.000	
	666-6306	RE PM W/RET REQ TY I (W)6"(BRK)(100MIL)	LF	19,180.000				12,190.000		31,370.000	
	666-6309	RE PM W/RET REQ TY I (W)6"(SLD)(100MIL)	LF	42,528.000				31,208.000		73,736.000	
	666-6321	RE PM W/RET REQ TY I (Y)6"(SLD)(100MIL)	LF	41,773.000				31,290.000		73,063.000	
	666-6350	REFL PAV MRK TY I (W)12"(DOT)(100MIL)	LF	525.000				111.000		636.000	
	668-6115	PREFAB PAV MRK TY C (MULTI) (SHIELD)	EA	5.000						5.000	
	672-6007	REFL PAV MRKR TY I-C	EA	1,023.000				611.000		1,634.000	
	672-6010	REFL PAV MRKR TY II-C-R	EA	904.000				572.000		1,476.000	
	677-6001	ELIM EXT PAV MRK & MRKS (4")	LF	64,700.000				75,980.000		140,680.000	
	677-6003	ELIM EXT PAV MRK & MRKS (8")	LF					300.000		300.000	
	677-6005	ELIM EXT PAV MRK & MRKS (12")	LF	515.000						515.000	
	678-6002	PAV SURF PREP FOR MRK (6")	LF	104,076.000				75,264.000		179,340.000	
	678-6004	PAV SURF PREP FOR MRK (8")	LF	11,482.000				8,460.000		19,942.000	
	678-6006	PAV SURF PREP FOR MRK (12")	LF	7,566.000				2,640.000		10,206.000	
	678-6008	PAV SURF PREP FOR MRK (24")	LF	597.000						597.000	
	678-6009	PAV SURF PREP FOR MRK (ARROW)	EA	22.000				9.000		31.000	
	678-6015	PAV SURF PREP FOR MRK (NUMBER)	EA	2.000				4.000		6.000	
	678-6016	PAV SURF PREP FOR MRK (WORD)	EA	12.000				3.000		15.000	
	678-6022	PAV SURF PREP FOR MRK (18")(YLD TRI)	EA	18.000				8.000		26.000	
	678-6033	PAV SURF PREP FOR MRK (RPM)	EA	1,920.000				1,185.000		3,105.000	
	680-6002	INSTALL HWY TRF SIG (ISOLATED)	EA	1.000						1.000	
	682-6001	VEH SIG SEC (12")LED(GRN)	EA	11.000						11.000	
	682-6002	VEH SIG SEC (12")LED(GRN ARW)	EA	9.000						9.000	
	682-6003	VEH SIG SEC (12")LED(YEL)	EA	15.000						15.000	
	682-6004	VEH SIG SEC (12")LED(YEL ARW)	EA	3.000						3.000	
	682-6005	VEH SIG SEC (12")LED(RED)	EA	15.000						15.000	
	682-6006	VEH SIG SEC (12")LED(RED ARW)	EA	1.000						1.000	
	682-6054	BACKPLATE W/REF BRDR(3 SEC)(VENT)ALUM	EA	12.000						12.000	
	682-6055	BACKPLATE W/REF BRDR(4 SEC)(VENT)ALUM	EA	2.000						2.000	
	682-6056	BACKPLATE W/REF BRDR(5 SEC)(VENT)ALUM	EA	2.000						2.000	

1 REVISIED  
4/17/2024

DISTRICT	COUNTY	CCSJ	SHEET
Fort Worth	Parker	0008-03-133	18F



# Estimate & Quantity Sheet

CONTROLLING PROJECT ID 0008-03-133

DISTRICT Fort Worth  
HIGHWAY IH 20, IH 30

COUNTY Parker, Tarrant

CONTROL SECTION JOB				0008-03-133		1068-01-238		1068-05-014		TOTAL EST.	TOTAL FINAL
PROJECT ID				A00184065		A00201407		A00062597			
COUNTY				Parker		Tarrant		Parker			
HIGHWAY				IH 20		IH 30		IH 30			
ALT	BID CODE	DESCRIPTION	UNIT	EST.	FINAL	EST.	FINAL	EST.	FINAL		
	684-6007	TRF SIG CBL (TY A)(12 AWG)(2 CONDR)	LF	6,755.000						6,755.000	
	684-6008	TRF SIG CBL (TY A)(12 AWG)(3 CONDR)	LF	4,820.000						4,820.000	
	684-6033	TRF SIG CBL (TY A)(14 AWG)(7 CONDR)	LF	4,426.000						4,426.000	
	684-6042	TRF SIG CBL (TY A)(14 AWG)(16 CONDR)	LF	3,380.000						3,380.000	
	687-6002	PEDESTRIAN PUSH BUTTON POLE	EA	1.000						1.000	
	687-6003	RELOCATE PED POLE ASSEMBLY	EA	1.000						1.000	
	687-6004	RELOCATE PED PUSH BUTTON POST ASSEM	EA	1.000						1.000	
	688-6001	PED DETECT PUSH BUTTON (APS)	EA	2.000						2.000	
	690-6131	INSTALL BBU SYSTEM	EA	1.000						1.000	
	730-6107	FULL - WIDTH MOWING	CYC	5.000				7.000		12.000	
	731-6007	PAVEMENT EDGES, STRUCTURES & FIXTURES	MI	9.000				8.000		17.000	
	734-6002	LITTER REMOVAL	CYC	19.000				20.000		39.000	
	738-6010	CLEANING / SWEEPING (SPOT)	MI	34.000				34.000		68.000	
	740-6005	ANTI - GRAFFITI COATNG(PERMNENT-TY III)	SF	6,114.000						6,114.000	
	760-6001	DITCH CLEANING AND RESHAPING (FOOT)	LF	11,700.000				17,750.000		29,450.000	
	3076-6001	D-GR HMA TY-B PG64-22	TON	42,930.000				35,559.000		78,489.000	
	3076-6066	TACK COAT	GAL	5,410.000				7,405.000		12,815.000	
	3080-6008	STONE-MTRX-ASPH SMA-D SAC-A PG76-28	TON	26,957.000				17,200.000		44,157.000	
	3080-6029	TACK COAT	GAL	13,009.000				8,215.000		21,224.000	
	5116-6001	AMPHIBIAN/REPTILE EXCLUSION FENCE INST	LF	20,287.000				14,773.000		35,060.000	
	5116-6002	AMPHIBIAN/REPTILE EXCLUSION FENCE REM	LF	20,287.000				14,773.000		35,060.000	
	6001-6002	PORTABLE CHANGEABLE MESSAGE SIGN	EA	8.000						8.000	
	6007-6050	FO CBL (36 SMF)	LF	4,755.000		880.000		4,352.000		9,987.000	
	6007-6062	FO CBL (72 SMF)	LF	17,340.000		9,703.000		25,787.000		52,830.000	
	6007-6087	FO SPLICE ENCLOSURE (TYPE 1)	EA	13.000		6.000		8.000		27.000	
	6007-6094	FIBER OPTIC FUSION SPLICE	EA	156.000		72.000		144.000		372.000	
	6010-6002	CCTV FIELD EQUIPMENT (DIGITAL)	EA	1.000		1.000		3.000		5.000	
	6010-6004	CCTV MOUNT (POLE)	EA	1.000		1.000		3.000		5.000	
	6016-6006	ITS MULTI-DUCT CND (PVC-40)	LF	15,180.000		7,736.000		15,936.000		38,852.000	
	6016-6011	ITS MULTI-DUCT CND (PVC-80)(BORE)	LF	2,310.000		2,320.000		3,340.000		7,970.000	
	6016-6015	FIBER OPTIC CABLE ROAD MARKER	EA	18.000		10.000		23.000		51.000	
	6028-6001	INSTALL DMS (POLE MTD CABINET)	EA			2.000				2.000	
	6062-6043	REMOVE ITS RADIO	EA	2.000						2.000	
	6064-6019	ITS POLE (40 FT)(90 MPH)	EA	1.000		1.000		2.000		4.000	
	6064-6055	ITS POLE (60 FT)(90 MPH)	EA	1.000		1.000		3.000		5.000	
	6064-6084	ITS POLE MNT CAB (TY 2)(CONF 2)	EA	1.000				2.000		3.000	
	6064-6092	ITS POLE MNT CAB (TY 3)(CONF 2)	EA	1.000		1.000		3.000		5.000	

1

1 REVISED  
4/17/2024

DISTRICT	COUNTY	CCSJ	SHEET
Fort Worth	Parker	0008-03-133	18G



# Estimate & Quantity Sheet

CONTROLLING PROJECT ID 0008-03-133

DISTRICT Fort Worth  
HIGHWAY IH 20, IH 30

COUNTY Parker, Tarrant

CONTROL SECTION JOB				0008-03-133		1068-01-238		1068-05-014		TOTAL EST.	TOTAL FINAL
PROJECT ID				A00184065		A00201407		A00062597			
COUNTY				Parker		Tarrant		Parker			
HIGHWAY				IH 20		IH 30		IH 30			
ALT	BID CODE	DESCRIPTION	UNIT	EST.	FINAL	EST.	FINAL	EST.	FINAL		
	6125-6001	TERMINAL SERVER (INSTALL ONLY)	EA	2.000		1.000		5.000		8.000	
	6155-6001	RADAR DETECTOR	EA	2.000						2.000	
	6155-6002	RADAR COMMUNICATION CABLE	LF	5,920.000						5,920.000	
	6185-6002	TMA (STATIONARY)	DAY	80.000				20.000		100.000	
	6185-6005	TMA (MOBILE OPERATION)	DAY	76.000				24.000		100.000	
	6186-6002	ITS GND BOX(PCAST) TY 1 (243636)W/APRN	EA	13.000		7.000		21.000		41.000	
	6186-6008	ITS GND BOX(PCAST) TY 2 (366036)W/APRN	EA	5.000		3.000		4.000		12.000	
	6304-6002	ITS RVSD (DATA COLLECT & WWA) SYS	EA	2.000		1.000		4.000		7.000	
	6327-6003	INSTALL OF HARD ETHERNET SWITCH	EA	4.000		4.000		7.000		15.000	
	06	MATERIAL FURNISHED BY THE STATE	LS	1.000						1.000	
	14	PUBLIC UTILITY FORCE ACCT WORK (PARTICIPATING)	LS	1.000						1.000	
	18	SAFETY CONTINGENCY: CONTRACTOR FORCE ACCOUNT WORK (PARTICIPATING)	LS	1.000						1.000	
		EROSION CONTROL MAINTENANCE: CONTRACTOR FORCE ACCOUNT WORK (PART)	LS	1.000						1.000	
		LAW ENFORCEMENT: CONTRACTOR FORCE ACCOUNT WORK (PARTICIPATING)	LS	1.000						1.000	

1 REVISD  
4/17/2024



DISTRICT	COUNTY	CCSJ	SHEET
Fort Worth	Parker	0008-03-133	18H

TRAFFIC CONTROL PLAN SUMMARY

1 REVISED 4/17/2024

Main table with columns for LOCATION, 104 6054, \* 400 6005, \* 400 6006, 403 6001, 502 6001, \*\* 508 6001, 512 6001, 512 6009, 512 6010, 512 6025, 512 6033, 512 6034, 512 6049, 512 6057, 512 6058, 543 6020, 545 6003, 545 6005. Rows include PHASE 1: CSJ 0008-03-133, PHASE 2: CSJ 1068-05-014, PHASE 3: CSJ 1068-05-014, PHASE 4: CSJ 1068-05-014, PHASE 5: CSJ 0008-03-133, PHASE 6: CSJ 0008-03-133.

\* ITEM 400 - CUT & RESTORE PAVEMENT (SY) ITEM 400 - CEMENT-STABILIZED BACKFILL (CY)

CUT AND RESTORE EXISTING FRONTAGE ROAD PAVEMENT OVER PROPOSED STORM SEWER CONDUIT TRENCHES & REMOVAL OF EXISTING CULVERTS.

\*\* ITEM 508 - CONSTRUCTING DETOURS (SY)

ACP OVERLAY ON EXISTING SHOULDERS TO ELIMINATE EXISTING SHOULDER TEXTURING SHALL CONSISTS OF THE FOLLOWING:

D-GR HMA TY-C PG76-22 (2")(LAYER)

TEMPORARY PAVEMENT WIDENING SHALL CONSISTS OF THE FOLLOWING:

D-GR HMA TY-C PG76-22 (2")(TOP LAYER) D-GR HMA TY-B PG64-22 (12")(BOTTOM LAYER)

TEMPORARY 20' EXTENSION OF 6'x6' BOX CULVERT AT STA 3054+45 IS SUBSIDIARY TO ITEM 508.

BGE, Inc. 101 West Louis Henna Blvd, Suite 400, Austin, TX 78728 Tel: 512-879-0400 • www.bgeinc.com TBPE Registration No. F-1046

Texas Department of Transportation

IH 20 SUMMARY OF QUANTITIES

SHEET 1 OF 13

Summary table with columns: CONT, SECT, JOB, HIGHWAY, DIST, COUNTY, SHEET NO. Values: 0008 03 133,ETC. IH 20,ETC. FTW PARKER 19

DATE: 2/1/2024 9:54:10 AM FILE: G:\TXC\Projects\TXDOT\19868-01\_IH 20\103 CADD\01\_Shts\100-GEN\IH 20\_SUMMARIES.dgn

REMOVAL SUMMARY

LOCATION	104 6001	104 6010	104 6017	104 6021	104 6036	105 6091	106 6002	496 6002	496 6004	496 6005	496 6006	496 6007	496 6035	542 6001	542 6002	542 6003	543 6021	610 6009	677 6005
	REMOVING CONC (PAV) SY	REMOVING CONC (RIPRAP) CY	REMOVING CONC (DRIVEWAYS) SY	REMOVING CONC (CURB) LF	REMOVING CONC (SIDEWALK OR RAMP) SY	REMOVING STAB BASE & ASPH PAV (8"-12") SY	OBLITERATING ABANDONED ROAD SY	REMOV STR (INLET) EA	REMOV STR (SET) EA	REMOV STR (WINGWALL) EA	REMOV STR (HEADWALL) EA	REMOV STR (PIPE) LF	REMOV STR (DRILL SHAFT) EA	REMOVE METAL BEAM GUARD FENCE LF	REMOVE TERMINAL ANCHOR SECTION EA	REMOVE DOWNSTREAM ANCHOR TERMINAL EA	REMOVE CABLE BARRIER LF	REMOVE RD IL ASM (TRANS-BASE) EA	ELIM EXT PAV MRK & MRKS (12") LF
REMOVAL LAYOUT SHEET 1 OF 19 CSJ 0008-03-133		6				987	987										500		
REMOVAL LAYOUT SHEET 2 OF 19 CSJ 0008-03-133	4241	19				6189	6189	1				1243			1		1200		50
REMOVAL LAYOUT SHEET 3 OF 19 CSJ 0008-03-133	1763	48	198	182	65	2149		1											289
REMOVAL LAYOUT SHEET 4 OF 19 CSJ 0008-03-133	10482	25				5750	5750	3						125		1	1200		
REMOVAL LAYOUT SHEET 5 OF 19 CSJ 0008-03-133	17	6		285	54	3339	828												176
REMOVAL LAYOUT SHEET 6 OF 19 CSJ 0008-03-133	1779	15				11332	5860	1	6			151							
REMOVAL LAYOUT SHEET 7 OF 19 CSJ 0008-03-133		15	123			4336	1333	4		2	2	200							1200
REMOVAL LAYOUT SHEET 8 OF 19 CSJ 0008-03-133	455	15	287			3802		1	1			57							1200
REMOVAL LAYOUT SHEET 9 OF 19 CSJ 0008-03-133	2133	15	348			3327		4	3			246							1200
REMOVAL LAYOUT SHEET 10 OF 19 CSJ 0008-03-133	1931	15				3530	82	3	3			188							1200
REMOVAL LAYOUT SHEET 11 OF 19 CSJ 0008-03-133		15				3804			2			60	1						1200
REMOVAL LAYOUT SHEET 12 OF 19 CSJ 0008-03-133						230							1						1
REMOVAL LAYOUT SHEET 13 OF 19 CSJ 0008-03-133		3				203										1	185		2
CSJ 0008-03-133 TOTAL	22801	197	956	467	119	48978	21029	18	15	2	2	2989	2	125	1	2	10285	4	515
REMOVAL LAYOUT SHEET 12 OF 19 CSJ 1068-05-014						1265				3		99	4						4
REMOVAL LAYOUT SHEET 13 OF 19 CSJ 1068-05-014	737	25				1003							2	100	1	1	1015	2	
REMOVAL LAYOUT SHEET 14 OF 19 CSJ 1068-05-014	14778	27				1428								100	1	1	1200		
REMOVAL LAYOUT SHEET 15 OF 19 CSJ 1068-05-014	4392	15	137	495				1		1									1200
REMOVAL LAYOUT SHEET 16 OF 19 CSJ 1068-05-014	2919	15						2											1200
REMOVAL LAYOUT SHEET 17 OF 19 CSJ 1068-05-014	12311	301			18									675	2	2			1200
REMOVAL LAYOUT SHEET 18 OF 19 CSJ 1068-05-014		15																	1200
REMOVAL LAYOUT SHEET 19 OF 19 CSJ 1068-05-014		7							1										600
CSJ 1068-05-014 TOTAL	35137	405	137	495	18	3696	0	3	0	4	0	111	6	875	4	4	7615	6	0
PROJECT TOTALS	57938	602	1093	962	137	52674	21029	21	15	6	2	3100	8	1000	5	6	17900	10	515

ROADWAY SUMMARY

LOCATION	100 6002	247 6236	260 6016	260 6027	310 6001	354 6048	360 6007	360 6080	420 6066	432 6001	432 6045	432 6047	450 6023	450 6027	450 6054
	PREPARING ROW STA	FL BS (RDWY DEL)(TY A GR 1-2)(FINAL POS) CY	LIME (HYD, COM, OR OK(SLURRY)) TON	LIME TRT (EXST MATL)(8") SY	PRIME COAT (MULTI OPTION) GAL	PLANE ASPH CONC PAV (3") SY	CONC PVMT (CONC REINF - CRCP) (13") SY	CONC PVMT(CRCP) TRANSITION SLAB) SY	CL C CONC (RAIL FOUNDATION) CY	RIPRAP (CONC)(4 IN) CY	RIPRAP (MOW STRIP)(4 IN) CY	RIPRAP (MOW STRIP)(6 IN) CY	RAIL (TY SSTR) LF	RAIL (TY T80SS) LF	RAIL (TY SSTR) (W/DRAIN SLOTS) LF
ML PLAN AND PROFILE SHEET 1 OF 17 CSJ 0008-03-133						14989					12	62			
ML PLAN AND PROFILE SHEET 2 OF 17 CSJ 0008-03-133		3969	298	17861	5115	1884				110	55	59			550
ML PLAN AND PROFILE SHEET 3 OF 17 CSJ 0008-03-133		2004	150	9016	2582	13023				10	28	59			
ML PLAN AND PROFILE SHEET 4 OF 17 CSJ 0008-03-133						8953				79	31	31			
ML PLAN AND PROFILE SHEET 5 OF 17 CSJ 0008-03-133						9467				27	20	31			
ML PLAN AND PROFILE SHEET 6 OF 17 CSJ 0008-03-133		187	14	842	241	18169					7	59			
ML PLAN AND PROFILE SHEET 7 OF 17 CSJ 0008-03-133		544	41	2447	701	18706					78	59			
ML PLAN AND PROFILE SHEET 8 OF 17 CSJ 0008-03-133		809	61	3640	1042	17858					5	59	86		
ML PLAN AND PROFILE SHEET 9 OF 17 CSJ 0008-03-133						18775						57			
ML PLAN AND PROFILE SHEET 10 OF 17 CSJ 0008-03-133						11321					98	31	31		
ML PLAN AND PROFILE SHEET 11 OF 17 CSJ 1068-05-014						6490					7	18	25		
ML PLAN AND PROFILE SHEET 12 OF 17 CSJ 1068-05-014		2609	183	10981	3145	6094			14	3	25	55		76	
ML PLAN AND PROFILE SHEET 13 OF 17 CSJ 1068-05-014		2440	196	11740	3362	4760			5		9	58		28	
ML PLAN AND PROFILE SHEET 14 OF 17 CSJ 1068-05-014						8828					24	35			
ML PLAN AND PROFILE SHEET 15 OF 17 CSJ 1068-05-014		2092	162	9693	2776	9756				26	27	59			
ML PLAN AND PROFILE SHEET 16 OF 17 CSJ 1068-05-014		3081	231	13866	3971	5026				340	25	59			
ML PLAN AND PROFILE SHEET 17 OF 17 CSJ 1068-05-014						16225						59			
ML PLAN AND PROFILE SHEET 18 OF 17 CSJ 1068-05-014						5158						20			
EB FR PLAN AND PROFILE SHEET 1 OF 12 CSJ 0008-03-133			65	3876	2138		3589								
EB FR PLAN AND PROFILE SHEET 2 OF 12 CSJ 0008-03-133			89	5337	3010		4941			4					
EB FR PLAN AND PROFILE SHEET 3 OF 12 CSJ 0008-03-133			99	5919	3339		5480								
EB FR PLAN AND PROFILE SHEET 4 OF 12 CSJ 0008-03-133			98	5899	3328		5462								
EB FR PLAN AND PROFILE SHEET 5 OF 12 CSJ 0008-03-133			98	5889	3323		5453								
EB FR PLAN AND PROFILE SHEET 6 OF 12 CSJ 0008-03-133			98	5899	3328		5462								
EB FR PLAN AND PROFILE SHEET 7 OF 12 CSJ 0008-03-133			92	5508	3109		5100			272	0				
EB FR PLAN AND PROFILE SHEET 8 OF 12 CSJ 1068-05-014			69	4157	2346		3849			9	0				
EB FR PLAN AND PROFILE SHEET 9 OF 12 CSJ 1068-05-014			60	3608	2035		3341			1	16		95		
EB FR PLAN AND PROFILE SHEET 10 OF 12 CSJ 1068-05-014			12	695	392		644			21					
EB FR PLAN AND PROFILE SHEET 11 OF 12 CSJ 1068-05-014			17	1009	569		934			3					
EB FR PLAN AND PROFILE SHEET 12 OF 12 CSJ 1068-05-014										18					
WB FR PLAN AND PROFILE SHEET 1 OF 12 CSJ 0008-03-133			114	6823	3862		6318			98					
WB FR PLAN AND PROFILE SHEET 2 OF 12 CSJ 0008-03-133			98	5903	3330		5466			71					
WB FR PLAN AND PROFILE SHEET 3 OF 12 CSJ 0008-03-133			110	6622	3736		6132			3	10		397		
WB FR PLAN AND PROFILE SHEET 4 OF 12 CSJ 0008-03-133			98	5890	3323		5453								
WB FR PLAN AND PROFILE SHEET 5 OF 12 CSJ 0008-03-133			98	5907	3332		5469								
WB FR PLAN AND PROFILE SHEET 6 OF 12 CSJ 0008-03-133			85	5118	2888		4739			3					
WB FR PLAN AND PROFILE SHEET 7 OF 12 CSJ 0008-03-133			70	4176	2356		3867								
WB FR PLAN AND PROFILE SHEET 8 OF 12 CSJ 0008-03-133			16	956	550		886								
WB FR PLAN AND PROFILE SHEET 8 OF 12 CSJ 1068-05-014			53	3206	1799		2969				12				
WB FR PLAN AND PROFILE SHEET 9 OF 12 CSJ 1068-05-014			48	2900	1635		2685								
WB FR PLAN AND PROFILE SHEET 10 OF 12 CSJ 1068-05-014			28	1683	949		1558			9					
WB FR PLAN AND PROFILE SHEET 11 OF 12 CSJ 1068-05-014			35	2075	1075		1922			112					
WB FR PLAN AND PROFILE SHEET 12 OF 12 CSJ 1068-05-014										553					
EB RAMP PLAN AND PROFILE SHEET 1 OF 5 CSJ 0008-03-133			26	1537	867		1424		43						
EB RAMP PLAN AND PROFILE SHEET 2 OF 5 CSJ 0008-03-133			31	1887	1065		1747			68	32				
EB RAMP PLAN AND PROFILE SHEET 2 OF 5 CSJ 1068-05-014			7	449	252		415				0				
EB RAMP PLAN AND PROFILE SHEET 3 OF 5 CSJ 1068-05-014			26	1580	885		1463								
EB RAMP PLAN AND PROFILE SHEET 4 OF 5 CSJ 1068-05-014			13	768	433		711		43	18	13		102		
EB RAMP PLAN AND PROFILE SHEET 5 OF 5 CSJ 1068-05-014			28	1678	946		1553		43		0				
WB RAMP PLAN AND PROFILE SHEET 1 OF 7 CSJ 0008-03-133			41	2432	1373		2252		43	19			106		
WB RAMP PLAN AND PROFILE SHEET 2 OF 7 CSJ 0008-03-133			33	1968	1111		1822				26				
WB RAMP PLAN AND PROFILE SHEET 3 OF 7 CSJ 0008-03-133			35	2083	1174		1928		43						
WB RAMP PLAN AND PROFILE SHEET 4 OF 7 CSJ 0008-03-133			68	4053	2287		3752				23				

DW: 4/17/2024 6:57:04 AM  
 DW: G:\TXC\Projects\TXDOT\9868-01\_IH 20\03\_CADD\01\_Shts\100-GEN\IH 20 SUMMARIES.dgn

**ROADWAY SUMMARY (CONTINUED)**

1

LOCATION	450 6103	514 6001	514 6038	529 6005	530 6004	531 6001	531 6005	531 6006	531 6017	540 6001	540 6006	540 6007	540 6016	543 6020	544 6001	545 6026	560 6011	560 6012	3076 6001	3076 6066	3080 6008	3080 6029	
	RAIL (TY PR11) LF	PERM CTB (SGL SLOPE) (TY 1) (42) LF	PERM CTB (SSCB)(TY 1)(MOD) LF	CONC CURB (MONO) (TY II) LF	DRIVEWAYS (CONC) SY	CONC SIDEWALKS (4") SY	CURB RAMP (TY 2) EA	CURB RAMP (TY 3) EA	CURB RAMP (TY 22) EA	MTL W-BEAM GD FEN (TIM POST) LF	MTL BEAM GD FEN TRANS (THRIE-BEAM) EA	MTL BEAM GD FEN TRANS (TL2) EA	DOWNSTREAM ANCHOR TERMINAL SECTION EA	CABLE BARRIER TERMINAL SECTION (TL-4) EA	GUARDRAIL END TREATMENT (INSTALL) EA	CRASH CUSHION ATTEN (INSTALL)(QUAD)(N) EA	MAILBOX INSTALL-S (TWW-POST) TY 4 EA	MAILBOX INSTALL-D (TWW-POST) TY 4 EA	D-GR HMA TY-B PG64-22 TON	TACK COAT GAL	STONE-MTRX-A SPH SMA-D SAC-A PG76-28 TON	TACK COAT GAL	
ML PLAN AND PROFILE SHEET 1 OF 17 CSJ 0008-03-133		1250								125			1	1	1							2462	1199
ML PLAN AND PROFILE SHEET 2 OF 17 CSJ 0008-03-133		1200								725			2		2	1			11297	2858	2996	1396	
ML PLAN AND PROFILE SHEET 3 OF 17 CSJ 0008-03-133		1200								400			2		2			5703	1443	3495	1671		
ML PLAN AND PROFILE SHEET 4 OF 17 CSJ 0008-03-133		625								475			1		2						1471	716	
ML PLAN AND PROFILE SHEET 5 OF 17 CSJ 0008-03-133		625								425			2		1						1555	757	
ML PLAN AND PROFILE SHEET 6 OF 17 CSJ 0008-03-133		1200								135			1						532	135	3112	1512	
ML PLAN AND PROFILE SHEET 7 OF 17 CSJ 0008-03-133		1200								1715					2				1548	392	3441	1667	
ML PLAN AND PROFILE SHEET 8 OF 17 CSJ 0008-03-133		1200								60			1						2302	582	3481	1683	
ML PLAN AND PROFILE SHEET 9 OF 17 CSJ 0008-03-133		1150																			3084	1502	
ML PLAN AND PROFILE SHEET 10 OF 17 CSJ 0008-03-133		635																			1860	906	
ML PLAN AND PROFILE SHEET 10 OF 17 CSJ 1068-05-014		515								425		3			3						1066	519	
ML PLAN AND PROFILE SHEET 11 OF 17 CSJ 1068-05-014		1111		89						225	1	1			2			6945	1757	2653	1253		
ML PLAN AND PROFILE SHEET 12 OF 17 CSJ 1068-05-014		1184		16						100		1			1			7426	1878	2548	1200		
ML PLAN AND PROFILE SHEET 13 OF 17 CSJ 1068-05-014		700								585		1									1450	706	
ML PLAN AND PROFILE SHEET 14 OF 17 CSJ 1068-05-014		1200								302.5		1			3			6131	1551	3060	1457		
ML PLAN AND PROFILE SHEET 15 OF 17 CSJ 1068-05-014		1200								550		2			1			8770	2219	2911	1369		
ML PLAN AND PROFILE SHEET 16 OF 17 CSJ 1068-05-014		1200																			2665	1298	
ML PLAN AND PROFILE SHEET 17 OF 17 CSJ 1068-05-014		400								125				1		1					847	413	
EB FR PLAN AND PROFILE SHEET 1 OF 12 CSJ 0008-03-133				1830	228	1239		1	1										892				
EB FR PLAN AND PROFILE SHEET 2 OF 12 CSJ 0008-03-133				2397	82	1434													1227				
EB FR PLAN AND PROFILE SHEET 3 OF 12 CSJ 0008-03-133				2400	53	1445													1361				
EB FR PLAN AND PROFILE SHEET 4 OF 12 CSJ 0008-03-133				2142	679	1296											2	1	1357				
EB FR PLAN AND PROFILE SHEET 5 OF 12 CSJ 0008-03-133				2158	680	1312										2		1355					
EB FR PLAN AND PROFILE SHEET 6 OF 12 CSJ 0008-03-133				2372	208	1464												1357					
EB FR PLAN AND PROFILE SHEET 7 OF 12 CSJ 0008-03-133		556		1653		1466										1		1267					
EB FR PLAN AND PROFILE SHEET 8 OF 12 CSJ 1068-05-014	106	102		2208	153	907												956					
EB FR PLAN AND PROFILE SHEET 9 OF 12 CSJ 1068-05-014	60			1870		1188				150	1				1			830					
EB FR PLAN AND PROFILE SHEET 10 OF 12 CSJ 1068-05-014				330		1336												160					
EB FR PLAN AND PROFILE SHEET 11 OF 12 CSJ 1068-05-014				373		1466												232					
EB FR PLAN AND PROFILE SHEET 12 OF 12 CSJ 1068-05-014	145					786	1																
WB FR PLAN AND PROFILE SHEET 1 OF 12 CSJ 0008-03-133				2246	114	1239		2	1									1569					
WB FR PLAN AND PROFILE SHEET 2 OF 12 CSJ 0008-03-133				2400		1467												1358					
WB FR PLAN AND PROFILE SHEET 3 OF 12 CSJ 0008-03-133				1974		1466										1		1523					
WB FR PLAN AND PROFILE SHEET 4 OF 12 CSJ 0008-03-133				2400		1469												1355					
WB FR PLAN AND PROFILE SHEET 5 OF 12 CSJ 0008-03-133				2400		1466												1359					
WB FR PLAN AND PROFILE SHEET 6 OF 12 CSJ 0008-03-133				2400		1363												1177					
WB FR PLAN AND PROFILE SHEET 7 OF 12 CSJ 0008-03-133				2400		1467												960					
WB FR PLAN AND PROFILE SHEET 8 OF 12 CSJ 0008-03-133				570		348												220					
WB FR PLAN AND PROFILE SHEET 8 OF 12 CSJ 1068-05-014				1830		1123				125		1			1			737					
WB FR PLAN AND PROFILE SHEET 9 OF 12 CSJ 1068-05-014	64			1534		924												667					
WB FR PLAN AND PROFILE SHEET 10 OF 12 CSJ 1068-05-014	644			748	115	1313												387					
WB FR PLAN AND PROFILE SHEET 11 OF 12 CSJ 1068-05-014	163	258		561	350	1464												477					
WB FR PLAN AND PROFILE SHEET 12 OF 12 CSJ 1068-05-014	123					1152																	
EB RAMP PLAN AND PROFILE SHEET 1 OF 5 CSJ 0008-03-133																			354				
EB RAMP PLAN AND PROFILE SHEET 2 OF 5 CSJ 0008-03-133		1320																	434				
EB RAMP PLAN AND PROFILE SHEET 2 OF 5 CSJ 1068-05-014		109																	103				
EB RAMP PLAN AND PROFILE SHEET 3 OF 5 CSJ 1068-05-014																			363				
EB RAMP PLAN AND PROFILE SHEET 4 OF 5 CSJ 1068-05-014										75		1			1				177				
EB RAMP PLAN AND PROFILE SHEET 5 OF 5 CSJ 1068-05-014		423														1			386				
WB RAMP PLAN AND PROFILE SHEET 1 OF 7 CSJ 0008-03-133																			559				
WB RAMP PLAN AND PROFILE SHEET 2 OF 7 CSJ 0008-03-133										581		1							453				
WB RAMP PLAN AND PROFILE SHEET 3 OF 7 CSJ 0008-03-133												1							479				
WB RAMP PLAN AND PROFILE SHEET 4 OF 7 CSJ 0008-03-133										319		1			2				932				
WB RAMP PLAN AND PROFILE SHEET 5 OF 7 CSJ 1068-05-014																			378				
WB RAMP PLAN AND PROFILE SHEET 6 OF 7 CSJ 1068-05-014		600								500		1			1	1			434				
WB RAMP PLAN AND PROFILE SHEET 7 OF 7 CSJ 1068-05-014										225		2			2								
<b>CSJ 0008-03-133 TOTAL</b>	<b>0</b>	<b>12161</b>	<b>0</b>	<b>31742</b>	<b>2044</b>	<b>19941</b>	<b>0</b>	<b>3</b>	<b>2</b>	<b>4960</b>	<b>0</b>	<b>0</b>	<b>12</b>	<b>1</b>	<b>12</b>	<b>4</b>	<b>4</b>	<b>1</b>	<b>42930</b>	<b>5410</b>	<b>26957</b>	<b>13009</b>	
<b>CSJ 1068-05-014 TOTAL</b>	<b>1305</b>	<b>9002</b>	<b>105</b>	<b>9454</b>	<b>618</b>	<b>11660</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>3388</b>	<b>1</b>	<b>2</b>	<b>13</b>	<b>1</b>	<b>16</b>	<b>3</b>	<b>0</b>	<b>0</b>	<b>35559</b>	<b>7405</b>	<b>17200</b>	<b>8215</b>	
<b>PROJECT TOTALS</b>	<b>1305</b>	<b>21163</b>	<b>105</b>	<b>41196</b>	<b>2662</b>	<b>31601</b>	<b>1</b>	<b>3</b>	<b>2</b>	<b>8348</b>	<b>1</b>	<b>2</b>	<b>25</b>	<b>2</b>	<b>28</b>	<b>7</b>	<b>4</b>	<b>1</b>	<b>78490</b>	<b>12815</b>	<b>44157</b>	<b>21224</b>	

**RETAINING WALL SUMMARY**

LOCATION	403 6001	420 6066	423 6001	423 6005	432 6046	450 6023	740 6005
	TEMPORARY SPL SHORING SF	CL C CONC (RAIL FOUNDATION) CY	RETAINING WALL (MSE) SF	RETAINING WALL (SPREAD FOOTING) SF	RIPRAP (MOW STRIP)(5 IN) CY	RAIL (TY SSTR) LF	ANTI - GRAFFITI COATNG (PERMNET-TY III) SF
RETAINING WALL RW-1 CSJ 0008-03-133			3668		17	542	3668
RETAINING WALL RW-2 CSJ 0008-03-133	5480	51		4918		1126	2446
<b>CSJ 0008-03-133 TOTAL</b>	<b>5480</b>	<b>51</b>	<b>3668</b>	<b>4918</b>	<b>17</b>	<b>1668</b>	<b>6114</b>
<b>PROJECT TOTALS</b>	<b>5480</b>	<b>51</b>	<b>3668</b>	<b>4918</b>	<b>17</b>	<b>1668</b>	<b>6114</b>

1

**BGE, Inc.**  
101 West Louis Henna Blvd, Suite 400, Austin, TX 78728  
Tel: 512-879-0400 • www.bgeinc.com  
TBPE Registration No. F-1046

©2023

**Texas Department of Transportation**

**IH 20**

**SUMMARY OF QUANTITIES**

SHEET 4 OF 13

CONT	SECT	JOB	HIGHWAY
0008	03	133, ETC.	IH 20, ETC
DIST	COUNTY	SHEET NO.	
FTW	PARKER	22	

1

REVISED 4/17/2024



**DRAINAGE SUMMARY**

LOCATION	400	400	400	402	432	432	462	462	462	462	464	464	464	464	464	464	465	465	
	6002	6003	6005	6001	6031	6033	6004	6007	6008	6011	6003	6005	6007	6008	6009	6010	6026	6416	6436
	STRUCT EXCAV (BOX)	STRUCT EXCAV (PIPE)	CEM STABIL BKFL	TRENCH EXCAVATION PROTECTION	RIPRAP (STONE PROTECTION)( 12 IN)	RIPRAP (STONE PROTECTION)( 18 IN)	CONC BOX CULV (4 FT X 3 FT)	CONC BOX CULV (5 FT X 3 FT)	CONC BOX CULV (5 FT X 4 FT)	CONC BOX CULV (6 FT X 4 FT)	RC PIPE (CL III)(18 IN)	RC PIPE (CL III)(24 IN)	RC PIPE (CL III)(30 IN)	RC PIPE (CL III)(36 IN)	RC PIPE (CL III)(42 IN)	RC PIPE (CL III)(48 IN)	RC PIPE (CL V)(24 IN)	INLET (COMPL)(CO)( 10 FT)(FTW)	INLET (COMPL)(COB C)(10 FT)(FTW)
CY	CY	CY	LF	CY	CY	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	EA	EA	
DRAINAGE PLAN SHEET 1 OF 17																			
DRAINAGE PLAN SHEET 2 OF 17																		3	
DRAINAGE PLAN SHEET 3 OF 17														66				8	
DRAINAGE PLAN SHEET 4 OF 17																		11	
DRAINAGE PLAN SHEET 5 OF 17						29												11	
DRAINAGE PLAN SHEET 6 OF 17						74												11	
DRAINAGE PLAN SHEET 7 OF 17						11												13	
DRAINAGE PLAN SHEET 8 OF 17											104		122					10	
DRAINAGE PLAN SHEET 9 OF 17																		6	
DRAINAGE PLAN SHEET 10 OF 17																		3	
DRAINAGE PLAN SHEET 11 OF 17																		4	
DRAINAGE PLAN SHEET 12 OF 17																		5	
DRAINAGE PROFILE SHEET 1 OF 21	32	696		455															
DRAINAGE PROFILE SHEET 2 OF 21		380	24	254					23				1158		311				
DRAINAGE PROFILE SHEET 3 OF 21		839	13	1272									324		299	67			
DRAINAGE PROFILE SHEET 4 OF 21	25	407		956									732	821	54				
DRAINAGE PROFILE SHEET 5 OF 21	54	540		931			52	19					662		54				
DRAINAGE PROFILE SHEET 6 OF 21		707		930									414	61	424				
DRAINAGE PROFILE SHEET 7 OF 21		357	18	639									1325		23				
DRAINAGE PROFILE SHEET 8 OF 21	17	1685		1185									719						
DRAINAGE PROFILE SHEET 9 OF 21		520	19	438					12						1006	397			
DRAINAGE PROFILE SHEET 10 OF 21		853	97	924									431	68	119				
DRAINAGE PROFILE SHEET 11 OF 21	68	477		303							30		1360				81		
DRAINAGE PROFILE SHEET 12 OF 21		984	52	1185													37		
DRAINAGE PROFILE SHEET 14 OF 21		85		152									241	966					
													108	51					
<b>CSJ 0008-03-133 TOTAL</b>	<b>196</b>	<b>8530</b>	<b>223</b>	<b>9624</b>	<b>121</b>	<b>0</b>	<b>52</b>	<b>19</b>	<b>35</b>	<b>30</b>	<b>104</b>	<b>7596</b>	<b>2033</b>	<b>2391</b>	<b>582</b>	<b>0</b>	<b>0</b>	<b>74</b>	<b>0</b>
DRAINAGE PLAN SHEET 9 OF 17																		2	
DRAINAGE PLAN SHEET 10 OF 17																		6	
DRAINAGE PLAN SHEET 11 OF 17																			
DRAINAGE PLAN SHEET 12 OF 17																		1	
DRAINAGE PLAN SHEET 13 OF 17																		7	
DRAINAGE PLAN SHEET 14 OF 17													52					3	
DRAINAGE PLAN SHEET 15 OF 17																			1
DRAINAGE PLAN SHEET 16 OF 17																			
DRAINAGE PLAN SHEET 17 OF 17																			
DRAINAGE PROFILE SHEET 13 OF 21		552		660										207	341				
DRAINAGE PROFILE SHEET 15 OF 21		147											238	49					
DRAINAGE PROFILE SHEET 16 OF 21		993		465									665	53	554				
DRAINAGE PROFILE SHEET 17 OF 21		1688		1200											1085				
DRAINAGE PROFILE SHEET 18 OF 21		196	25	284									244	97		31		41	
DRAINAGE PROFILE SHEET 19 OF 21		496	44	1307									1275				120		
DRAINAGE PROFILE SHEET 20 OF 21	1916	211	19	1970			995	561							378				
DRAINAGE PROFILE SHEET 21 OF 21		450		599									560	189					
CULVERT LAYOUT CULVERT 30-2 SHEET 1 OF 2									64										
CULVERT LAYOUT CULVERT 30-2 SHEET 2 OF 2																			
CULVERT LAYOUT CULVERT 30-3A																			
CULVERT LAYOUT CULVERT 30-3B									47							56			
CULVERT LAYOUT CULVERT 30-4 SHEET 1 OF 2													25						
CULVERT LAYOUT CULVERT 30-4 SHEET 2 OF 2				60	15														
CULVERT LAYOUT CULVERT 30-5 SHEET 1 OF 2																			
CULVERT LAYOUT CULVERT 30-5 SHEET 2 OF 2				50									34						1
<b>CSJ 1068-05-014 TOTAL</b>	<b>1916</b>	<b>4733</b>	<b>88</b>	<b>6595</b>	<b>15</b>	<b>111</b>	<b>995</b>	<b>561</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>3093</b>	<b>388</b>	<b>2224</b>	<b>372</b>	<b>56</b>	<b>161</b>	<b>19</b>	<b>1</b>
<b>PROJECT TOTALS</b>	<b>2112</b>	<b>13263</b>	<b>311</b>	<b>16219</b>	<b>136</b>	<b>111</b>	<b>1047</b>	<b>580</b>	<b>35</b>	<b>30</b>	<b>104</b>	<b>10689</b>	<b>2421</b>	<b>4615</b>	<b>954</b>	<b>56</b>	<b>161</b>	<b>93</b>	<b>1</b>



**BGE, Inc.**  
 101 West Louis Henna Blvd, Suite 400, Austin, TX 78728  
 Tel: 512-879-0400 • www.bgeinc.com  
 TBPE Registration No. F-1046



**IH 20**  
**SUMMARY OF QUANTITIES**

SHEET 5 OF 13			
CONT	SECT	JOB	HIGHWAY
0008	03	133,ETC.	IH 20,ETC
DIST	COUNTY	SHEET NO.	
FTW	PARKER	23	

1  
 REVISED  
 4/17/2024

DATE: 4/16/2024 5:12:19 PM  
 FILE: G:\TXC\Projects\TXDOT\19868-01\_IH 20\03\_CADD\01\_Shts\00-GEN\IH 20 SUMMARIES.dgn

**DRAINAGE SUMMARY (CONTINUED)**

LOCATION	465 6461	465 6467	465 6470	465 6474	465 6476	465 6487	465 6493	465 6514	465 6523	465 6526	466 6005	466 6009	466 6010	466 6035	466 6101	466 6130	466 6136	466 6165	466 6194
	INLET (COMPL)(FGS2 ) (FTW)	INLT (COMPL)(AD)(4 'X 4'-3' X 3') (FTW)	INLT (COMPL)(AD)(5 'X 5'-3' X 3') (FTW)	INLT (COMPL)(AD)(6 'X 6'-3' X 3') (FTW)	INLT (COMPL)(AD)(7 'X 4'-3' X 3') (FTW)	INLET (COMPL)(AD-2 ) (FTW)	MANH (COMPL)(TY SD)(5'X 3'-3'X 3') (FTW)	JUNCT BOX (COMPL)(JB)(4 FT X 4FT) (FTW)	JUNCT BOX (COMPL)(JB)(7 FT X 4FT) (FTW)	JUNCT BOX (COMPL)(JB)(7 FT X 7FT) (FTW)	HEADWALL (CH - FW - 0) (DIA= 24 IN)	HEADWALL (CH - FW - 0) (DIA= 36 IN)	HEADWALL (CH - FW - 0) (DIA= 42 IN)	HEADWALL (CH - FW - 30) (DIA= 24 IN)	HEADWALL (CH - PW - 0) (DIA= 36 IN)	HEADWALL (CH - PW - 5) (DIA= 24 IN)	HEADWALL (CH - PW - 5) (DIA= 48 IN)	WINGWALL (FW - 5) (HW=4 FT)	WINGWALL (PW - 2) (HW=5 FT)
	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
DRAINAGE PLAN SHEET 1 OF 17				1														1	
DRAINAGE PLAN SHEET 2 OF 17		1	2			4	2												
DRAINAGE PLAN SHEET 3 OF 17		1				2													
DRAINAGE PLAN SHEET 4 OF 17						1					1	2	1						1
DRAINAGE PLAN SHEET 5 OF 17						5					1								1
DRAINAGE PLAN SHEET 6 OF 17						3		1			1				1				
DRAINAGE PLAN SHEET 7 OF 17						5													1
DRAINAGE PLAN SHEET 8 OF 17	1					3		1											1
DRAINAGE PLAN SHEET 9 OF 17						2													
DRAINAGE PLAN SHEET 10 OF 17																			
DRAINAGE PLAN SHEET 11 OF 17						2		1											
DRAINAGE PLAN SHEET 12 OF 17								1									2		
DRAINAGE PROFILE SHEET 1 OF 21																			
DRAINAGE PROFILE SHEET 2 OF 21																			
DRAINAGE PROFILE SHEET 3 OF 21																			
DRAINAGE PROFILE SHEET 4 OF 21																			
DRAINAGE PROFILE SHEET 5 OF 21																			
DRAINAGE PROFILE SHEET 6 OF 21																			
DRAINAGE PROFILE SHEET 7 OF 21																			
DRAINAGE PROFILE SHEET 8 OF 21																			
DRAINAGE PROFILE SHEET 9 OF 21																			
DRAINAGE PROFILE SHEET 10 OF 21																			
DRAINAGE PROFILE SHEET 11 OF 21																			
DRAINAGE PROFILE SHEET 12 OF 21																			
DRAINAGE PROFILE SHEET 14 OF 21																			
<b>CSJ 0008-03-133 TOTAL</b>	<b>1</b>	<b>2</b>	<b>2</b>	<b>1</b>	<b>0</b>	<b>27</b>	<b>2</b>	<b>4</b>	<b>0</b>	<b>0</b>	<b>3</b>	<b>2</b>	<b>1</b>	<b>0</b>	<b>1</b>	<b>2</b>	<b>0</b>	<b>1</b>	<b>4</b>
DRAINAGE PLAN SHEET 9 OF 17						1													
DRAINAGE PLAN SHEET 10 OF 17						2													
DRAINAGE PLAN SHEET 11 OF 17																			
DRAINAGE PLAN SHEET 12 OF 17																			
DRAINAGE PLAN SHEET 13 OF 17																			
DRAINAGE PLAN SHEET 14 OF 17		1				2													
DRAINAGE PLAN SHEET 15 OF 17						1													
DRAINAGE PLAN SHEET 16 OF 17						2					1			1					
DRAINAGE PLAN SHEET 17 OF 17																			
DRAINAGE PROFILE SHEET 13 OF 21																			
DRAINAGE PROFILE SHEET 15 OF 21																			
DRAINAGE PROFILE SHEET 16 OF 21																			
DRAINAGE PROFILE SHEET 17 OF 21																			
DRAINAGE PROFILE SHEET 18 OF 21																			
DRAINAGE PROFILE SHEET 19 OF 21																			
DRAINAGE PROFILE SHEET 20 OF 21																			
DRAINAGE PROFILE SHEET 21 OF 21																			
CULVERT LAYOUT CULVERT 30-2 SHEET 1 OF 2																			
CULVERT LAYOUT CULVERT 30-2 SHEET 2 OF 2																			
CULVERT LAYOUT CULVERT 30-3A																			
CULVERT LAYOUT CULVERT 30-3B																	1		
CULVERT LAYOUT CULVERT 30-4 SHEET 1 OF 2						1			1										
CULVERT LAYOUT CULVERT 30-4 SHEET 2 OF 2					1					1									
CULVERT LAYOUT CULVERT 30-5 SHEET 1 OF 2																			
CULVERT LAYOUT CULVERT 30-5 SHEET 2 OF 2						1													
<b>CSJ 1068-05-014 TOTAL</b>	<b>0</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>1</b>	<b>10</b>	<b>0</b>	<b>0</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>1</b>	<b>0</b>	<b>0</b>
<b>PROJECT TOTALS</b>	<b>1</b>	<b>3</b>	<b>2</b>	<b>1</b>	<b>1</b>	<b>37</b>	<b>2</b>	<b>4</b>	<b>1</b>	<b>1</b>	<b>4</b>	<b>2</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>2</b>	<b>1</b>	<b>1</b>	<b>4</b>

1 1

1

DATE: 4/16/2024 5:12:20 PM  
FILE: G:\TXC\Projects\TXDOT\19868-01\_IH 20\03\_CADD\01\_Shts\00-GEN\IH 20 SUMMARIES.dgn

**BGE, Inc.**  
101 West Louis Henna Blvd, Suite 400, Austin, TX 78728  
Tel: 512-879-0400 • www.bgeinc.com  
TBPE Registration No. F-1046

**Texas Department of Transportation**

**IH 20**  
**SUMMARY OF QUANTITIES**

SHEET 6 OF 13			
CONT	SECT	JOB	HIGHWAY
0008	03	133,ETC.	IH 20,ETC
DIST	COUNTY	SHEET NO.	
FTW	PARKER	24	

1 REVISED  
4/17/2024

**DRAINAGE SUMMARY (CONTINUED)**

LOCATION	466	466	467	467	467	467	467	476	476	476	476	476	480	496	496	496	
	6197	6198	6363	6390	6395	6419	6423	6013	6015	6019	6024	6029	6001	6002	6005	6007	
	WINGWALL (PW - 2) (HW=8 FT)	WINGWALL (PW - 2) (HW=9 FT)	SET (TY II) (18 IN) (RCP) (6: 1) (P)	SET (TY II) (24 IN) (RCP) (4: 1) (C)	SET (TY II) (24 IN) (RCP) (6: 1) (P)	SET (TY II) (30 IN) (RCP) (4: 1) (C)	SET (TY II) (30 IN) (RCP) (6: 1) (P)	JACK BOR OR TUN PIPE(24 IN)(RC)(CL III)	JACK BOR OR TUN PIPE(24 IN)(RC)(CL V)	JACK BOR OR TUN PIPE(30 IN)(RC)(CL III)	JACK BOR OR TUN PIPE(36 IN)(RC)(CL III)	JACK BOR OR TUN PIPE(42 IN)(RC)(CL III)	CLEAN EXIST CULVERTS	REMOV STR (INLET)	REMOV STR (WINGWALL)	REMOV STR (PIPE)	
EA	EA	EA	EA	EA	EA	EA	EA	LF	LF	LF	LF	LF	EA	EA	EA	LF	
DRAINAGE PLAN SHEET 1 OF 17																	
DRAINAGE PLAN SHEET 2 OF 17																	
DRAINAGE PLAN SHEET 3 OF 17							1	2									
DRAINAGE PLAN SHEET 4 OF 17																	
DRAINAGE PLAN SHEET 5 OF 17																	
DRAINAGE PLAN SHEET 6 OF 17						4											
DRAINAGE PLAN SHEET 7 OF 17			2														
DRAINAGE PLAN SHEET 8 OF 17			2														
DRAINAGE PLAN SHEET 9 OF 17																	
DRAINAGE PLAN SHEET 10 OF 17																	
DRAINAGE PLAN SHEET 11 OF 17				1	2												
DRAINAGE PLAN SHEET 12 OF 17				1													
DRAINAGE PROFILE SHEET 1 OF 21																	
DRAINAGE PROFILE SHEET 2 OF 21																	
DRAINAGE PROFILE SHEET 3 OF 21																	
DRAINAGE PROFILE SHEET 4 OF 21										203							
DRAINAGE PROFILE SHEET 5 OF 21																	
DRAINAGE PROFILE SHEET 6 OF 21																	
DRAINAGE PROFILE SHEET 7 OF 21																	
DRAINAGE PROFILE SHEET 8 OF 21																	
DRAINAGE PROFILE SHEET 9 OF 21								134	94								
DRAINAGE PROFILE SHEET 10 OF 21											225						
DRAINAGE PROFILE SHEET 11 OF 21												125					
DRAINAGE PROFILE SHEET 12 OF 21																	
DRAINAGE PROFILE SHEET 14 OF 21																	
<b>CSJ 0008-03-133 TOTAL</b>	0	0	4	2	6	1	2	134	94	203	225	125	0	0	0	0	
DRAINAGE PLAN SHEET 9 OF 17																	
DRAINAGE PLAN SHEET 10 OF 17																	
DRAINAGE PLAN SHEET 11 OF 17																	
DRAINAGE PLAN SHEET 12 OF 17																	
DRAINAGE PLAN SHEET 13 OF 17																	
DRAINAGE PLAN SHEET 14 OF 17					2		1										
DRAINAGE PLAN SHEET 15 OF 17																	
DRAINAGE PLAN SHEET 16 OF 17																	
DRAINAGE PLAN SHEET 17 OF 17																	
DRAINAGE PROFILE SHEET 13 OF 21																	
DRAINAGE PROFILE SHEET 15 OF 21																	
DRAINAGE PROFILE SHEET 16 OF 21																	
DRAINAGE PROFILE SHEET 17 OF 21																	
DRAINAGE PROFILE SHEET 18 OF 21																	
DRAINAGE PROFILE SHEET 19 OF 21																	
DRAINAGE PROFILE SHEET 20 OF 21																	
DRAINAGE PROFILE SHEET 21 OF 21																	
CULVERT LAYOUT CULVERT 30-2 SHEET 1 OF 2																	
CULVERT LAYOUT CULVERT 30-2 SHEET 2 OF 2																	
CULVERT LAYOUT CULVERT 30-3A	1														1		
CULVERT LAYOUT CULVERT 30-3B													1		1		
CULVERT LAYOUT CULVERT 30-4 SHEET 1 OF 2													1	1			20
CULVERT LAYOUT CULVERT 30-4 SHEET 2 OF 2													1	1			
CULVERT LAYOUT CULVERT 30-5 SHEET 1 OF 2		1													1		
CULVERT LAYOUT CULVERT 30-5 SHEET 2 OF 2																	
<b>CSJ 1068-05-014 TOTAL</b>	1	1	0	0	2	0	1	0	0	0	0	0	3	2	3	20	
<b>PROJECT TOTALS</b>	1	1	4	2	8	1	3	134	94	203	225	125	3	2	3	20	

1

1

1

1

1 REVISED  
4/17/2024

**BGE, Inc.**  
101 West Louis Henna Blvd, Suite 400, Austin, TX 78728  
Tel: 512-879-0400 • www.bgeinc.com  
TBPE Registration No. F-1046

**Texas Department of Transportation**

**IH 20**  
**SUMMARY OF QUANTITIES**

SHEET 7 OF 13			
CONT	SECT	JOB	HIGHWAY
0008	03	133,ETC.	IH 20,ETC
DIST	COUNTY	SHEET NO.	
FTW	PARKER	25	

DATE: 4/16/2024 5:12:21 PM  
FILE: G:\TXC\Projects\TXDOT\19868-01\_IH 20\03\_CADD\01\_Shts\00-GEN\IH 20 SUMMARY.ES.dgn

**SIGNING SUMMARY**

LOCATION	416	416	416	416	636	636	644	644	644	644	644	644	644	644
	6005	6006	6007	6018	6002	6003	6001	6004	6007	6030	6033	6050	6064	6065
	DRILL SHAFT (42 IN)	DRILL SHAFT (48 IN)	DRILL SHAFT (54 IN)	DRILL SHAFT (SIGN MTS) (24 IN)	ALUMINUM SIGNS (TY G)	ALUMINUM SIGNS (TY O)	IN SM RD SN SUP&AM TY10BWG(1)SA (P)	IN SM RD SN SUP&AM TY10BWG(1) SA (T)	IN SM RD SN SUP&AM TY10BWG(1) SA (U)	IN SM RD SN SUP&AM TYS80(1)SA(T)	IN SM RD SN SUP&AM TYS80(1)SA(U)	IN SM RD SN SUP&AM TYS80(2)SA(P)	IN BRIDGE MNT CLEARANCE SGN ASSM(TY N)	IN BRIDGE MNT CLEARANCE SGN ASSM(TY S)
	LF	LF	LF	LF	SF	SF	EA	EA	EA	EA	EA	EA	EA	EA
SIGNING LAYOUT SHEET 1 OF 24 CSJ 0008-03-133				8	97	450								
SIGNING LAYOUT SHEET 2 OF 24 CSJ 0008-03-133						165								
SIGNING LAYOUT SHEET 3 OF 24 CSJ 0008-03-133	13					113								
SIGNING LAYOUT SHEET 4 OF 24 CSJ 0008-03-133							1	1						
SIGNING LAYOUT SHEET 5 OF 24 CSJ 0008-03-133				8	139	207	5	5	2		1			
SIGNING LAYOUT SHEET 6 OF 24 CSJ 0008-03-133		16					6	3					2	
SIGNING LAYOUT SHEET 7 OF 24 CSJ 0008-03-133							4	3				1		
SIGNING LAYOUT SHEET 8 OF 24 CSJ 0008-03-133						975	2	2		1	1			
SIGNING LAYOUT SHEET 9 OF 24 CSJ 0008-03-133							3	7						
SIGNING LAYOUT SHEET 10 OF 24 CSJ 0008-03-133						867	3	6		2				
SIGNING LAYOUT SHEET 11 OF 24 CSJ 0008-03-133							4	8				1		
SIGNING LAYOUT SHEET 12 OF 24 CSJ 0008-03-133		15				743	4	3		1				
SIGNING LAYOUT SHEET 13 OF 24 CSJ 0008-03-133														
SIGNING LAYOUT SHEET 14 OF 24 CSJ 0008-03-133							1					1		
SIGNING LAYOUT SHEET 15 OF 24 CSJ 0008-03-133														
CSJ 0008-03-133 TOTAL	13	31	0	16	236	3519	33	38	2	5	1	3	2	0
SIGNING LAYOUT SHEET 14 OF 24 CSJ 1068-05-014		16				167	2							
SIGNING LAYOUT SHEET 15 OF 24 CSJ 1068-05-014		15				147		2						
SIGNING LAYOUT SHEET 16 OF 24 CSJ 1068-05-014							5	1		1		1		4
SIGNING LAYOUT SHEET 17 OF 24 CSJ 1068-05-014							9	2						
SIGNING LAYOUT SHEET 18 OF 24 CSJ 1068-05-014		15				166	6	6		1		1		
SIGNING LAYOUT SHEET 19 OF 24 CSJ 1068-05-014				8	140		1	2					2	
SIGNING LAYOUT SHEET 20 OF 24 CSJ 1068-05-014							1							
SIGNING LAYOUT SHEET 21 OF 24 CSJ 1068-05-014												1		
SIGNING LAYOUT SHEET 22 OF 24 CSJ 1068-05-014														
SIGNING LAYOUT SHEET 23 OF 24 CSJ 1068-05-014		16				160								
CSJ 1068-05-014 TOTAL	0	62	0	8	140	640	24	13	0	2	0	3	2	4
SIGNING LAYOUT SHEET 21 OF 24 CSJ 1068-01-238				18		272								
SIGNING LAYOUT SHEET 24 OF 24 CSJ 1068-01-238				18		307								
CSJ 1068-01-238 TOTAL	0	0	36	0	0	579	0	0	0	0	0	0	0	0
PROJECT TOTALS	13	93	36	24	376	4737	57	51	2	7	1	6	4	4

**SIGNING SUMMARY (CONTINUED)**

LOCATION	644	647	650	650	650	650	650	650	658	658	658	658	658	658
	6076	6001	6025	6032	6038	6045	6204	6205	6013	6015	6026	6028	6080	6099
	REMOVE SM RD SN SUP&AM	INSTALL LRSS (STRUCT STEEL)	INS OH SN SUP(25 FT CANT)	INS OH SN SUP(30 FT CANT)	INS OH SN SUP(35 FT CANT)	INS OH SN SUP(40 FT CANT)	REMOVE OVERHD SIGN SUP	REMOVE OVERHD SIGN SUP (SIGN ONLY)	INSTR DEL ASSM (D-SW)SZ (BRF)CTB	INSTR DEL ASSM (D-SW)SZ (BRF)GF1	INSTR DEL ASSM (D-SY)SZ (BRF)CTB	INSTR DEL ASSM (D-SY)SZ (BRF)GF1	INSTR DEL ASSM (D-SW)SZ 1(WFLX)GND	INSTR OM ASSM (OM-2Z)(WFL X)GND
	EA	LB	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
SIGNING LAYOUT SHEET 1 OF 24 CSJ 0008-03-133		402.4												
SIGNING LAYOUT SHEET 2 OF 24 CSJ 0008-03-133														
SIGNING LAYOUT SHEET 3 OF 24 CSJ 0008-03-133			1					5		4	2			
SIGNING LAYOUT SHEET 4 OF 24 CSJ 0008-03-133									1		2	3	7	
SIGNING LAYOUT SHEET 5 OF 24 CSJ 0008-03-133	11													
SIGNING LAYOUT SHEET 6 OF 24 CSJ 0008-03-133	2	565.6		1					5	8	3	10	14	
SIGNING LAYOUT SHEET 7 OF 24 CSJ 0008-03-133	9													
SIGNING LAYOUT SHEET 8 OF 24 CSJ 0008-03-133	20									6	4		23	3
SIGNING LAYOUT SHEET 9 OF 24 CSJ 0008-03-133	2							7		13	9			2
SIGNING LAYOUT SHEET 10 OF 24 CSJ 0008-03-133	5									11	4			
SIGNING LAYOUT SHEET 11 OF 24 CSJ 0008-03-133	4							6		30	3			2
SIGNING LAYOUT SHEET 12 OF 24 CSJ 0008-03-133	6								11	16	3			1
SIGNING LAYOUT SHEET 13 OF 24 CSJ 0008-03-133				1				11	7	4	14			
SIGNING LAYOUT SHEET 14 OF 24 CSJ 0008-03-133														
SIGNING LAYOUT SHEET 15 OF 24 CSJ 0008-03-133	1								4		8			
CSJ 0008-03-133 TOTAL	60	968	1	2	0	0	1	29	28	92	52	13	44	8
SIGNING LAYOUT SHEET 14 OF 24 CSJ 1068-05-014						1				4			2	1
SIGNING LAYOUT SHEET 15 OF 24 CSJ 1068-05-014					1			1	2	2	6		8	
SIGNING LAYOUT SHEET 16 OF 24 CSJ 1068-05-014										2	3		9	1
SIGNING LAYOUT SHEET 17 OF 24 CSJ 1068-05-014										6	12		1	2
SIGNING LAYOUT SHEET 18 OF 24 CSJ 1068-05-014					1					11	14		10	
SIGNING LAYOUT SHEET 19 OF 24 CSJ 1068-05-014		503						2		5	2		9	17
SIGNING LAYOUT SHEET 20 OF 24 CSJ 1068-05-014											3			
SIGNING LAYOUT SHEET 21 OF 24 CSJ 1068-05-014											2			
SIGNING LAYOUT SHEET 22 OF 24 CSJ 1068-05-014														
SIGNING LAYOUT SHEET 23 OF 24 CSJ 1068-05-014				1						8				
CSJ 1068-05-014 TOTAL	20	503	0	3	1	0	1	4	21	59	35	28	56	4
SIGNING LAYOUT SHEET 21 OF 24 CSJ 1068-01-238										1	1			
SIGNING LAYOUT SHEET 24 OF 24 CSJ 1068-01-238										1	1			
CSJ 1068-01-238 TOTAL	0	0	0	0	0	0	2	2	0	0	3	0	0	0
PROJECT TOTALS	80	1471	1	5	1	2	4	33	49	154	87	41	100	12

1 REVISED  
4/17/2024

**BGE, Inc.**  
101 West Louis Henna Blvd, Suite 400, Austin, TX 78728  
Tel: 512-879-0400 • www.bgeinc.com  
TBPE Registration No. F-1046

**Texas Department of Transportation**

**IH 20**  
**SUMMARY OF QUANTITIES**

CONT	SECT	JOB	HIGHWAY
0008	03	133,ETC.	IH 20,ETC
DIST	COUNTY	SHEET NO.	
FTW	PARKER	27	

DATE: 4/15/2024 11:27:58 AM  
FILE: G:\TXC\Projects\TXDOT\19868-01\_IH 20\03\_CADD\01\_Shts\00-GEN\IH 20 SUMMARIES.dgn

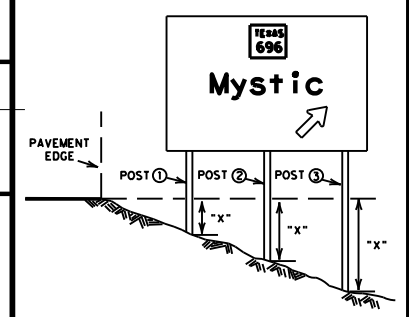
1

DISCLAIMER: The use of this standard is governed by the "Texas Engineering Practice Act". No warranty of any kind is made by TxDOT for any purpose whatsoever. TxDOT assumes no responsibility for the conversion of this standard to other formats or for incorrect results or damages resulting from its use.

DATE: 4/15/2024 10:30:46 AM  
 FILE: G:\TXDOT\Projects\TxDOT\9868-01\_IH\_20\03\CADD\01\*SHTS\00-GEN\SOLS\*01.dgn

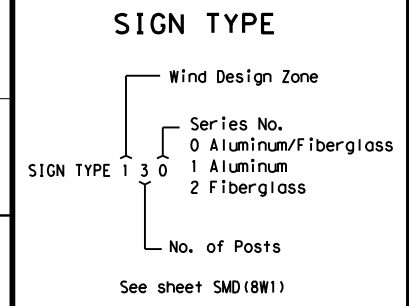
# SUMMARY OF LARGE SIGNS

PLAN SHEET NO.	SIGN NO.	SIGN BACK-GROUND COLOR	SIGN TEXT	SIGN DIMENSIONS	PLAQUES, & OTHER ATTACHMENTS		BACKGROUND SUBSTRATE (SQ FT)		TYPE OF MOUNT	"X" DIMENSION			GALVANIZED STRUCTURAL STEEL				DRILLED SHAFT			
					DIRECT APPLY	* ALUMINUM (TYPE A)	GROUND MOUNT (TYPE G)	OVERHEAD (TYPE O)		post ①	post ②	post ③	SIZE	LINEAR FEET post ①	LINEAR FEET post ②	LINEAR FEET post ③	TOTAL WEIGHT LBS.	NON-REINF 12"φ	LINEAR FEET REINFORCED 24"φ	30"φ
1	1	GREEN	EXIT 420 A	10'0" X 2'6"				25.00												
		GREEN	FM 1187	14'0" X 10'0"	12.25			140.00												
		GREEN	FM 3325		16.00															
		GREEN	ALEDO																	
		WHITE	1 1/2 MILES	12'0" X 5'0"				60.00												
WHITE	NO TRUCKS LEFT LANE																			
1	2	GREEN	EXIT 420 A	10'0" X 2'6"				25.00												
		GREEN	FM 1187	14'0" X 10'0"	12.25			140.00												
		GREEN	FM 3325		16.00															
		GREEN	ALEDO																	
		WHITE	1/2 MILES	12'0" X 5'0"				60.00												
WHITE	NO TRUCKS LEFT LANE																			
1	3	GREEN	EXIT 420 B	10'0" X 2'6"				25.00												
		GREEN	FRONTAGE ROAD	16'0" X 4'6"				72.00	320	1.5	1.5		W6X9	16.5	16.5		402.4		8	
		GREEN	1 MILE																	
2	4	GREEN	EXIT 420 A	10'0" X 2'6"				25.00												
		GREEN	FM 1187	14'0" X 10'0"	12.25			140.00												
		GREEN	FM 3325		16.00															
		GREEN	ALEDO																	
3	5	GREEN	EXIT 420 B	10'0" X 2'6"				25.00												
		GREEN	FRONTAGE ROAD	17'6" X 5'0"				87.50												
		GREEN	1/2 MILE																	
6	6	GREEN	LEFT	8'6" X 4'6"	7.50			38.25												
		GREEN	EXIT 421		9.00															
		GREEN	INTERSTATE 30 EAST	13'6" X 12'6"				168.75												
		GREEN	DOWNTOWN																	
		GREEN	FT WORTH																	
GREEN	1 1/4 MILES																			
6	7	GREEN	EXIT 420 B	10'0" X 2'6"				25.00												
		GREEN	FRONTAGE ROAD	17'6" X 6'6"				113.75	320	4.5	5.0		W6X12	19.5	20.0		565.6		8	
9	8	GREEN	INTERSTATE 20 EAST	14'6" X 12'6"	9.00			181.25												
		GREEN	DALLAS																	
		GREEN	SHREVEPORT																	
		GREEN	LEFT	8'6" X 4'6"	7.50			38.25												
		GREEN	EXIT 421		9.00															
		GREEN	INTERSTATE 30 EAST	31'0" X 13'0"				403.00												
		GREEN	DOWNTOWN																	
		GREEN	FORT WORTH																	
		WHITE	EXIT ONLY		93.00															
		WHITE	END	12'0" X 2'0"				24.00												
WHITE	NO TRUCKS	12'0" X 5'0"				60.00														
WHITE	LEFT LANE																			



⊖ The "X" dimension is the elevation difference at the post between the ground and the edge of pavement or top of curb.  
 Sign supports shall be located as shown on the plans, except that the Engineer may shift the sign supports, within design guidelines, where necessary to secure a more desirable location or to avoid conflict with utilities. Unless otherwise shown on the plans, the Contractor shall stake and the Engineer will verify all sign support locations.  
 The post lengths listed here are approximations. The corrected post lengths will be furnished by the Contractor after the stud posts are placed.  
 Tower heights shall be verified with the Engineer before fabrication.

\* This column is for aluminum Type A and not direct apply. Direct apply is subsidiary to the sign.



1 REVISED 4/17/2024

SHEET 1 OF 3

SUMMARY OF LARGE SIGNS			
SOLS			
© TxDOT May 1987			
DN: TxDOT	REVISIONS		
CR: TxDOT	11-93	1-04	
DR: TxDOT	8-95	9-08	
CR: TxDOT	5-01		
CONT	SECT	JOB	HIGHWAY
0008	03	133, ETC.	IH 20, ETC
DIST	COUNTY	SHEET NO.	
FTW	PARKER	47	

PAGE TOTALS

235.75 1641.00

PAGE TOTALS

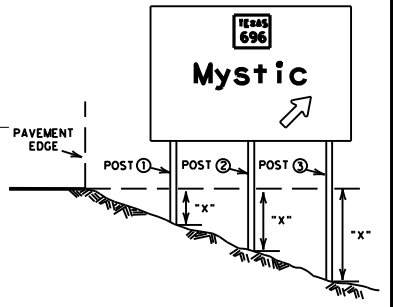
19

DISCLAIMER: The use of this standard is governed by the "Texas Engineering Practice Act". No warranty of any kind is made by TxDOT for any purpose whatsoever. TxDOT assumes no responsibility for the conversion of this standard to other formats or for incorrect results or damages resulting from its use.

DATE: 4/15/2024 10:30:47 AM  
 FILE: G:\TXDOT\Projects\TxDOT\9868-01\_IH\_20\03\CADD\01\*Shts\00-GEN\SOLS\*03.dgn

# SUMMARY OF LARGE SIGNS

PLAN SHEET NO.	SIGN NO.	SIGN BACK-GROUND COLOR	SIGN TEXT	SIGN DIMENSIONS	PLAQUES, & OTHER ATTACHMENTS		BACKGROUND SUBSTRATE (SQ FT)		TYPE OF MOUNT	"X" DIMENSION			GALVANIZED STRUCTURAL STEEL				DRILLED SHAFT										
					DIRECT APPLY	* ALUMINUM (TYPE A)	GROUND MOUNT (TYPE G)	OVERHEAD (TYPE O)		post ①	post ②	post ③	SIZE	LINEAR FEET			TOTAL WEIGHT LBS.	LINEAR FEET REINFORCED									
														post ①	post ②	post ③		12"φ	24"φ	30"φ	36"φ						
15	15	GREEN	EXIT 1 A	7'6" X 2'6"				18.75																			
		GREEN	WALSH RANCH	16'0" X 8'0"				128.00																			
			PARKWAY																								
			1/4 MILE																								
18	16	GREEN	EXIT 420	7'6" X 2'6"				18.75																			
		GREEN	FM 1187	14'0" X 10'6"	12.25			147.00																			
			FM 3325		16.00																						
			ALEDO		42.00																						
19	17	GREEN	FM 1187	14'0" X 10'0"	12.25		140.00	320	2.6	2.6	W6X12	17.6	17.6	503.0	8												
			FM 3325		16.00																						
			ALEDO																								
			EXIT 420																								
21	18	GREEN	EXIT 420	8'0" X 2'6"				20.00																			
		GREEN	FM 1187	14'0" X 10'0"	12.25		140.00																				
			FM 3325		16.00																						
			ALEDO																								
		GREEN	EXIT 1 A	7'6" X 2'6"				18.75																			
		GREEN	WALSH RANCH	15'6" X 6'0"				93.00																			
	PARKWAY																										
23	19	GREEN	EXIT 420	8'0" X 2'6"				20.00																			
		GREEN	FM 1187	14'0" X 10'0"	12.25		140.00																				
			FM 3325		16.00																						
			ALEDO																								
	1 MILE																										
24	20	GREEN	EXIT 420	8'0" X 2'6"				20.00																			
		GREEN	FM 1187	14'0" X 10'0"	12.25		140.00																				
			FM 3325		16.00																						
			ALEDO																								
		GREEN	EXIT 1 A	7'6" X 2'6"				18.75																			
		GREEN	WALSH RANCH	16'0" X 8'0"				128.00																			
	PARKWAY																										
	1/2 MILE																										



⊙ The "x" dimension is the elevation difference at the post between the ground and the edge of pavement or top of curb.

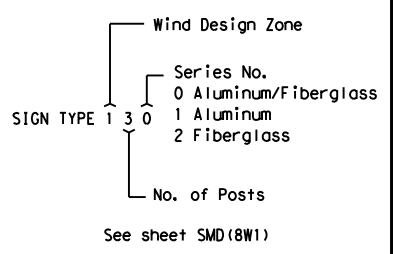
Sign supports shall be located as shown on the plans, except that the Engineer may shift the sign supports, within design guidelines, where necessary to secure a more desirable location or to avoid conflict with utilities. Unless otherwise shown on the plans, the Contractor shall stake and the Engineer will verify all sign support locations.

The post lengths listed here are approximations. The corrected post lengths will be furnished by the Contractor after the stud posts are placed.

Tower heights shall be verified with the Engineer before fabrication.

\* This column is for aluminum Type A and not direct apply. Direct apply is subsidiary to the sign.

### SIGN TYPE



1 REVISED 4/17/2024

SHEET 3 OF 3

## SUMMARY OF LARGE SIGNS SOLS

© TxDOT May 1987			
DN. - TxDOT	11-93	REVISIONS	
CR. - TxDOT	8-95	1-04	
DN. - TxDOT	5-01	9-08	
CR. - TxDOT			
CONT	SECT	JOB	HIGHWAY
0008	03	133, ETC.	IH 20, ETC
DIST	COUNTY		SHEET NO.
FTW	PARKER		49

PAGE TOTALS

140.00 1051.00

PAGE TOTALS



DATE: 4/16/2024 4:12:56 PM  
FILE: G:\TXC\Projects\TXDOT\19868-01\_IH 20103\_CADD\01\_Shts\02-TCP\IH 20 TCP\_SEQ1.dgn

# TRAFFIC CONTROL PLAN NARRATIVE

## GENERAL:

FOLLOW THE CONSTRUCTION SEQUENCING UNLESS OTHERWISE APPROVED.

THE CONTRACTOR MAY PROPOSE MODIFICATIONS TO THE SEQUENCE OF WORK FOR CONSIDERATION BY THE ENGINEER. ANY RECOMMENDATION RESULTING IN MAJOR MODIFICATIONS TO THE SEQUENCE OF WORK BY THE CONTRACTOR SHALL INCLUDE ANY CHANGES TO THE VARIOUS PAY ITEMS, IMPACT TO TRAFFIC, AND EFFECT TO OVERALL PROJECT TIME, COST, ETC. THE CONTRACTOR SHALL NOT WORK OUT OF THE SEQUENCE OF PHASES SHOWN ON THE TRAFFIC CONTROL PLANS UNLESS DIRECTED BY THE ENGINEER IN WRITING.

TWO WEEKS PRIOR TO BEGINNING ANY CONSTRUCTION, PORTABLE CHANGEABLE MESSAGE SIGNS SHALL BE PLACED ON BOTH ENDS OF THE PROJECT. MESSAGE AS DIRECTED BY THE ENGINEER.

IT IS THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE EXACT LOCATION OF UTILITIES PRIOR TO STARTING CONSTRUCTION WITHIN A WORK AREA.

CONTRACTOR SHALL NOT WORK IN AREAS WITH UTILITY CONFLICTS UNTIL THE UTILITIES HAVE CLEARED.

CONTRACTOR WILL MAINTAIN ACCESS TO DRIVEWAYS AND SIDE STREETS AT ALL TIMES UNLESS APPROVED BY THE ENGINEER OR SHOWN OTHERWISE IN THE PLANS.

SIDE STREETS AND DRIVEWAYS CAN BE CONSTRUCTED UTILIZING DAILY/TEMPORARY ONE WAY TRAFFIC CONTROL AND BE OPENED TO FULL WIDTH AT THE END OF THE WORKDAY MAINTAINING ACCESS AT ALL TIMES UNLESS APPROVED BY THE ENGINEER.

FOR ALL PHASES THE CONTRACTOR WILL PROVIDE TEMPORARY PIPE DRAINS OR CULVERTS AND TAKE SUCH MEASURES AS DIRECTED TO PROVIDE FOR CONTINUED DRAINAGE FROM ALL ABUTTING PROPERTY, THE RIGHT OF WAY AND THE ROADWAY DURING CONSTRUCTION OPERATIONS. LABOR AND MATERIALS INVOLVED IN THIS WORK WILL NOT BE PAID FOR DIRECTLY, BUT WILL BE CONSIDERED SUBSIDIARY TO THE VARIOUS BID ITEMS OF THE CONTRACT.

WORK ZONE PAVEMENT MARKINGS AND CONCRETE BARRIERS FOR ALL PHASES ARE OFFSET FROM PROPOSED ALIGNMENTS OF THE PROJECT. SEE TRAFFIC CONTROL PLAN TYPICAL SECTIONS AND LAYOUTS FOR DIMENSIONS AND DETAILS.

CONTRACTOR TO UTILIZE TXDOT STANDARDS TCP (6-1)-12 AND TCP (6-7)-12 TO INSTALL CANTILEVER OVERHEAD SIGNS AND OVERHEAD SIGN BRIDGES.

BEFORE BEGINNING ANY WORK, PLACE ALL APPLICABLE BARRICADES IN ACCORDANCE WITH TXDOT STANDARDS BC (1-12)-21.

## PHASE 1 - FRONTAGE ROAD CONSTRUCTION:

**WESTBOUND STA 1930+00 - 2011+68 (R PWBFR-1)**  
**EASTBOUND STA 3919+00 - 4016+72 (R PEBFR-1)**  
PHASE 1 CONSTRUCTION CONSISTS OF PARTIAL CONSTRUCTION OF WESTBOUND & EASTBOUND FRONTAGE ROADS, RAMPS & APPURTENANCES.

### STEP 1:

INSTALL TEMPORARY EROSION CONTROL DEVICES FOR CONSTRUCTION ACTIVITIES AS SHOWN ON SW3P LAYOUTS FOR ENTIRE PROJECT. TEMPORARY EROSION CONTROL DEVICES WILL REQUIRE ADJUSTMENTS AS PHASES PROGRESS.

### STEP 2:

BEGIN JACK & BORING OPERATIONS FOR STORM SEWER CONDUITS CROSSINGS ON IH 20 / 30 WESTBOUND & EASTBOUND MAINLANES AT THE FOLLOWING LOCATIONS: STA 2941+00, STA 2949+00, STA 2964+00 AND STA 2974+48 (C PIH2030). THEN INSTALL STORM SEWER CONDUITS AND INLETS AT THESE LOCATIONS. ALSO BEGIN STORM SEWER CONDUIT CROSSINGS FOR WESTBOUND & EASTBOUND FRONTAGE ROADS. CONSTRUCT STORM SEWER CONDUITS IN HALF WIDTHS ACROSS EXISTING FRONTAGE ROADS USING STANDARD TCP (2-4) - 18 (ONE LANE CLOSED) FOR DAILY LANE CLOSURES. CONDUIT CROSSINGS TO BE BACKFILLED TO THE TOP OF EXISTING ROADWAY SURFACE BY THE END OF EACH DAY. ALL LANES ON FRONTAGE ROADS TO BE OPEN AT END OF EACH DAY. THE ROADWAY SHALL ALLOW FOR THE SAFE AND EFFICIENT PASSAGE OF TRAFFIC. TRAFFIC CONTROL PLAN WILL REMAIN IN EFFECT 24 HOURS A DAY UNTIL THE ROADWAY IS CONSIDERED SAFE AND SUITABLE FOR TRAFFIC BY THE ENGINEER. CONDUITS TO BE CONSTRUCTED TO PROPOSED LOCATIONS OF STORM SEWER INLETS AND CAPPED. COMPLETE CONDUIT CONNECTIONS TO INLETS IN PHASE 2 CONSTRUCTION.

### STEP 3:

OBLITERATE EXISTING PAVEMENT MARKINGS FOR WESTBOUND FRONTAGE ROAD FROM STA 1927+00 (R PWBFR-1) TO 119+20 (R PWBFR-2) AND FOR EASTBOUND FRONTAGE ROAD STA 3919+60 (R PEBFR-1) TO 220+00 (R PEBFR-2). CONSTRUCT WORK ZONE PAVEMENT MARKINGS IN ACCORDANCE WITH PHASE 1 LANE CONFIGURATION AND INSTALL LOW PROFILE CONCRETE BARRIER ALONG WORK ZONE AND ON OUTSIDE EDGE OF EASTBOUND FRONTAGE ROAD PHASE 1 LANE FROM STA 4000+00 TO 4009+00 (R PEBFR-1). ALSO INSTALL SINGLE SLOPE CONCRETE BARRIER ON EXISTING OUTSIDE SHOULDER OF IH 20 EXIT RAMP FOR FM 3325 FROM STA 2933+35 TO 2938+42 (C PIH2030).

### STEP 4:

INSTALL SINGLE SLOPE CONCRETE BARRIER ON EXISTING OUTSIDE SHOULDER OF IH 20 WESTBOUND MAINLANES FROM STA 2966+00 (C PIH2030) TO 986+05 (R EDW20W20), ON EXISTING OUTSIDE SHOULDER OF IH 20 EASTBOUND ENTRANCE RAMP STA 2926+00 TO 2938+00 (C PIH2030), AND ON EXISTING OUTSIDE SHOULDER OF IH 20 EASTBOUND MAIN LANES FROM STA 1988+00 TO 2003+00 (R EDE20E20). ALSO INSTALL SINGLE SLOPE CONCRETE BARRIER FOR CONSTRUCTION OF PROPOSED IH 20 MEDIAN DRAINAGE INLETS AT STA 2940+98.53, 2949+00, 2964+00 & 2974+48 (C PIH2030). REMOVE SINGLE SLOPE CONCRETE BARRIER AS INLETS ARE COMPLETED. USE STANDARD TCP (6-1)-12 FOR INSTALLATION OF SINGLE SLOPE CONCRETE BARRIER LOCATIONS.

### STEP 5:

BEGIN ROADWAY CONSTRUCTION FOR WESTBOUND FRONTAGE ROAD STA 1930+00 TO 2011+68 (R PWBFR-1) & EASTBOUND FRONTAGE ROAD STA 3919+00 TO 4016+72 (R PEBFR-1). EXCAVATE AND REMOVE EXISTING MATERIALS. CONSTRUCT PROPOSED PAVEMENT SECTION THROUGH CONCRETE PAVEMENT WITH CURB AND SEEDING ALL SLOPES. CONSTRUCT EXIT RAMP FOR IH 20 WESTBOUND MAIN LANES (R PRWXDW20) AND ENTRANCE RAMP FOR IH 20 EASTBOUND MAINLANES (R PREEDE20) IN CONJUNCTION WITH FRONTAGE ROAD CONSTRUCTION. TEMPORARY SPECIAL SHORING WILL BE REQUIRED FOR CONSTRUCTION OF EASTBOUND FRONTAGE ROAD FROM STA 3998+00 TO 4004+00 (R PEBFR-1).

CONSTRUCT RETAINING WALL RW-2 WITH TRAFFIC RAIL ALONG IH 20 WESTBOUND MAINLANES (R EDW20W20). TEMPORARY SPECIAL SHORING WILL BE REQUIRED FOR CONSTRUCTION OF RETAINING WALL. SEE RETAINING WALL RW-2 PLAN AND PROFILE SHEETS AND TXDOT RETAINING WALL STANDARDS FOR ADDITIONAL INFORMATION AND DETAILS.

### STEP 6:

CONSTRUCT TRAFFIC RAIL ALONG EASTBOUND FRONTAGE ROAD STA 3989+44 TO 3996+02 (R PEBFR-1) AND ALONG ENTRANCE RAMP FOR IH 20 EASTBOUND MAINLANES STA 14+20 TO 20+76 (R PREEDE20).

### STEP 7:

AFTER COMPLETION OF WESTBOUND FRONTAGE ROAD AND IH 20 WESTBOUND MAINLANE EXIT RAMP (R PRWXDW20). SET - UP TCP (6-1)-12 (ONE LANE CLOSURE) ON IH 20 WESTBOUND MAINLANES (R EDW20W20) TO CONSTRUCT ACP OVERLAY ON EXIST INSIDE SHOULDER TO ELIMINATE EXISTING SHOULDER TEXTURING. ACP OVERLAY TO BE DONE IN ACCORDANCE WITH ITEM 508. AFTER COMPLETION OF SHOULDER ACP OVERLAY, SET-UP LANE CLOSURE FOR OUTSIDE LANE OF IH 20 WESTBOUND MAINLANES (R EDW20W20) AND MERGING LANE FOR ENTRANCE RAMP AT IH 20 WESTBOUND MAINLANES. ALL TRAFFIC TO BE ON INSIDE LANE FOR STEP 8 CONSTRUCTION. SEE TRAFFIC CONTROL PLAN LAYOUTS PHASE 1 STEP 8 SHEETS FOR MORE INFORMATION.

REMOVE SINGLE SLOPE CONCRETE BARRIER FROM STA 2966+00 (C PIH2030) TO 986+05 (R EDW20W20) AND MOVE SINGLE SLOPE CONCRETE BARRIER ALONG WORK ZONE FOR CONSTRUCTION OF STEP 8. SEE TRAFFIC CONTROL PLAN LAYOUTS PHASE 1 STEP 8 SHEETS FOR MORE INFORMATION.

SET-UP TCP (6-1)-12 FOR DAILY LANE CLOSURES AND CONSTRUCT ACP OVERLAY ON EXISTING INSIDE SHOULDER OF IH 30 WESTBOUND MAIN LANES TO ELIMINATE SHOULDER TEXTURING FOR PHASE 1 STEPS 8 & 10 FROM STA 2961+85 TO STA 2980+25 (C PIH2030). ACP OVERLAY TO BE DONE IN ACCORDANCE WITH ITEM 508. ELIMINATE EXISTING PAVEMENT MARKINGS ON IH 30 AND CONSTRUCT WORK ZONE PAVEMENT MARKINGS FROM STA 2961+85 TO STA 2980+26 (C PIH2030) FOR PHASE 1 STEPS 8 & 10 TRAFFIC CONTROL LANES. SEE TRAFFIC CONTROL PLAN LAYOUTS PHASE 1 STEP 8 SHEETS FOR MORE INFORMATION.

### STEP 8:

(PHASE 1 STEP 8 HAVE INDEPENDENT TRAFFIC CONTROL PLAN SHEETS)  
CONSTRUCT IH 20 WESTBOUND MAINLANES OUTSIDE SHOULDER WIDENING FROM STA 2946+30 TO 2966+85 (C PIH2030) AND IH 20 WESTBOUND OUTSIDE LANE WITH SHOULDER FROM STA 966+85 TO 993+24 (R EDW20W20). CONSTRUCT PROPOSED PAVEMENT SECTION THROUGH CONCRETE PAVEMENT.

### STEP 9:

AFTER COMPLETION OF STEP 8 CONSTRUCTION, SET-UP LANE CLOSURE FOR INSIDE LANE OF IH 20 WESTBOUND MAINLANES FROM STA 961+85 TO 992+20 (R EDW20W20) AND MERGING LANE FOR ENTRANCE RAMP AT IH 20 WESTBOUND MAINLANES (R EDW20W20). ALL TRAFFIC TO BE ON OUTSIDE LANE FOR STEP 10 CONSTRUCTION. SEE TRAFFIC CONTROL PLAN LAYOUTS PHASE 1 STEP 10 SHEETS FOR MORE INFORMATION.

CONSTRUCT WORK ZONE PAVEMENT MARKINGS FROM STA 961+85 TO 1000+60 (R EDW20W20) FOR STEP 10. MOVE SINGLE SLOPE CONCRETE BARRIER FROM STEP 8 WORK ZONE TO ALONG STEP 10 WORK ZONE FROM STA 964+85 TO 981+10 (R EDW20W20). ALSO INSTALL SINGLE SLOPE CONCRETE BARRIER ON EXISTING OUTSIDE SHOULDER OF IH 30 WESTBOUND LANES FROM STA 2964+85 TO 2977+24 (C PIH2030). WORK ZONE PAVEMENT MARKINGS ON IH 30 WESTBOUND MAINLANES FROM STEP 8 TO REMAIN FOR STEP 10 CONSTRUCTION. SEE TRAFFIC CONTROL PLAN LAYOUTS PHASE 1 STEP 10 SHEETS FOR MORE INFORMATION.

### STEP 10:

(PHASE 1 STEP 10 HAVE INDEPENDENT TRAFFIC CONTROL PLAN SHEETS)  
CONSTRUCT IH 20 WESTBOUND INSIDE LANE WITH SHOULDER AND GORE AREA FROM STA 966+85 TO 978+94 (R EDW20W20). CONSTRUCT PROPOSED PAVEMENT SECTION THROUGH CONCRETE PAVEMENT.

AFTER COMPLETION OF STEP 10 PAVEMENT CONSTRUCTION, SET-UP TCP (6-1) - 12 AND REMOVE SINGLE SLOPE CONCRETE BARRIER FROM WORK ZONE AND SHOULDER OF IH 30 WESTBOUND LANES. CONSTRUCT WORK ZONE PAVEMENT MARKINGS IN ACCORDANCE WITH ORIGINAL IH 30 WESTBOUND MAINLANE CONFIGURATION FROM STA 2961+85 TO 2980+25 (C PIH2030). FINAL PAVEMENT MARKINGS AND SURFACE TO BE COMPLETED IN PHASE 6.

### STEP 11:

AFTER ALL CONSTRUCTION OF PHASE 1 WESTBOUND & EASTBOUND FRONTAGE ROADS AND RAMPS HAVE BEEN COMPLETED. CONSTRUCT TEMPORARY PAVEMENT IN ACCORDANCE WITH ITEM 508 FOR TRANSITIONING FROM EXISTING ROADWAY TO ROADWAY CONSTRUCTED IN PHASE 1 ON EASTBOUND FRONTAGE ROAD FROM STA 3923+00 TO 3926+00 (R PEBFR-1) AND WESTBOUND FRONTAGE ROAD FROM STA 1924+60 TO 1930+00 (R PWBFR-1). CONSTRUCT WORK ZONE PAVEMENT MARKINGS IN ACCORDANCE WITH PHASE 2 LANE CONFIGURATIONS FOR WESTBOUND & EASTBOUND FRONTAGE ROADS AND MOVE LOW PROFILE CONCRETE BARRIER ALONG WORK ZONE WITH OPENINGS FOR DRIVEWAYS.

PROPOSED IH 20 WESTBOUND MAINLANE EXIT RAMP (R PRWXDW20) AND IH 20 EASTBOUND MAINLANE ENTRANCE RAMP (R PREEDE20) CONSTRUCTED IN PHASE 1 TO REMAIN CLOSED UNTIL COMPLETION OF PHASE 2.

REMOVE SINGLE SLOPE CONCRETE BARRIER FROM IH 20 EASTBOUND ENTRANCE RAMP STA 2926+00 TO 2932+00 (C PIH2030) AND SHOULDER OF IH 20 EASTBOUND MAINLANES STA 1988+00 TO 2003+00 (R EDE20E20).

### STEP 12:

AFTER COMPLETION OF ALL STEPS FOR PHASE 1, SHIFT TRAFFIC TO PHASE 2 LANE CONFIGURATION ON WESTBOUND & EASTBOUND FRONTAGE ROADS AS SHOWN IN TRAFFIC CONTROL PLAN TYPICAL SECTIONS AND LAYOUTS PHASE 2 SHEETS.

AFTER COMPLETION OF ALL STEPS PROCEED TO PHASE 2 CONSTRUCTION.

1 REVISED  
4/17/2024



*Elena Ramon*  
4/16/2024

**BGE, Inc.**  
101 West Louis Henna Blvd, Suite 400, Austin, TX 78728  
Tel: 512-879-0400 • www.bgeinc.com  
TBPE Registration No. F-1046

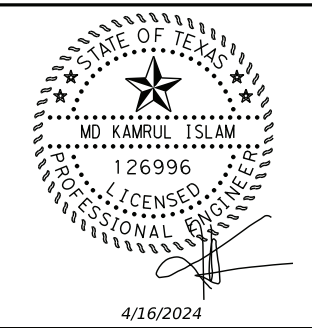
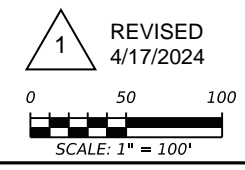
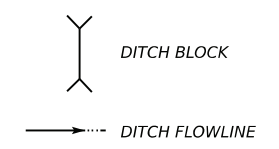


<b>IH 20</b>			
<b>TRAFFIC CONTROL PLAN NARRATIVE</b>			
SHEET 1 OF 4			
CONT	SECT	JOB	HIGHWAY
0008	03	133,ETC.	IH 20,ETC
DIST	COUNTY	SHEET NO.	
FTW	PARKER	58	

CK:  
DW:  
CK:  
DW:



**LEGEND**



4/16/2024  
**BGE, Inc.**  
 101 West Louis Henna Blvd, Suite 400, Austin, TX 78728  
 Tel: 512-879-0400 • www.bgeinc.com  
 TBPE Registration No. F-1046

Texas Department of Transportation

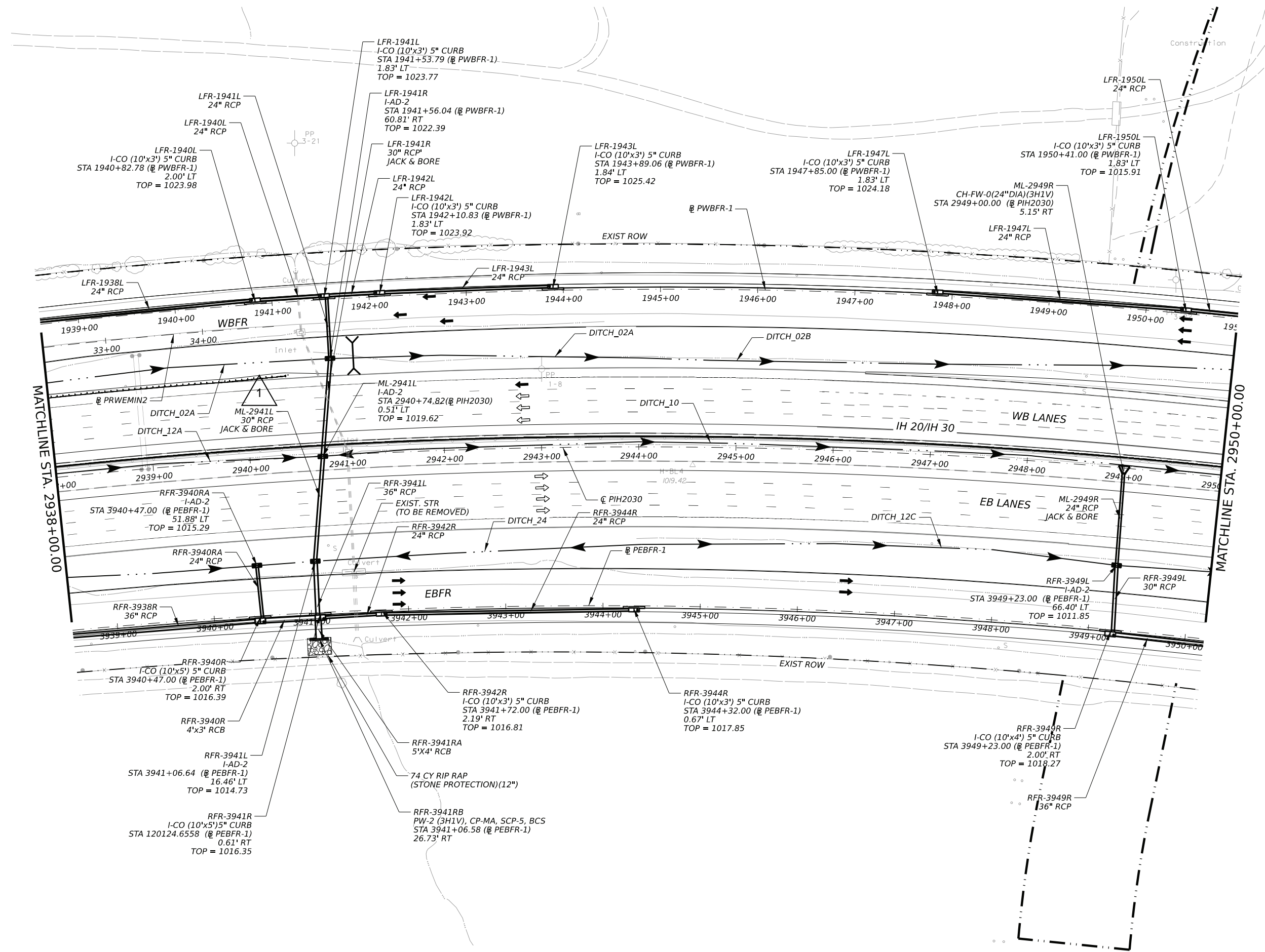
**IH 20  
DRAINAGE PLAN**

STA 2938+00 TO STA 2950+00

SHEET 5 OF 17

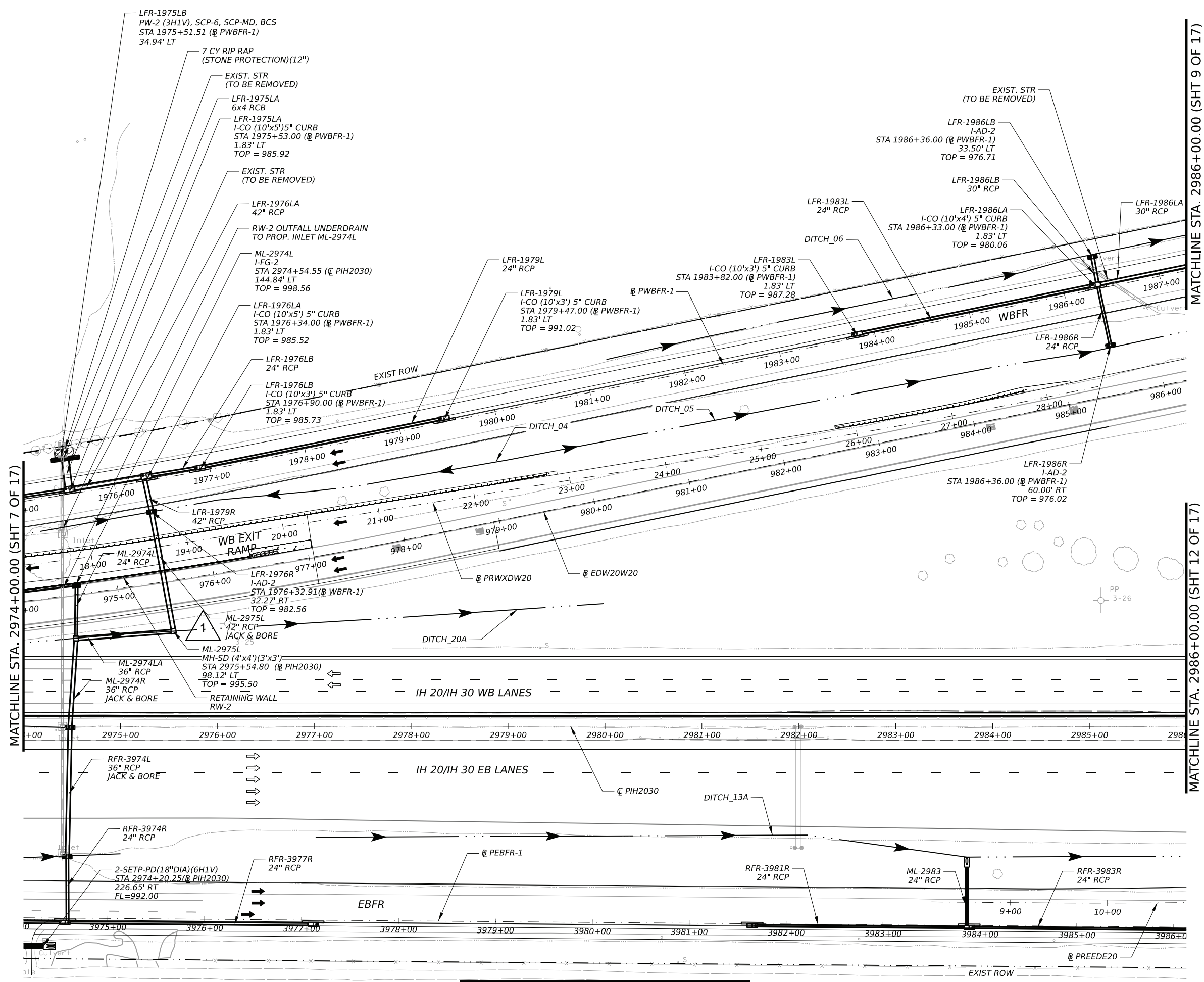
CONT	SECT	JOB	HIGHWAY
0008	03	133, ETC.	IH 20, ETC
DIST	COUNTY	SHEET NO.	
FTW	PARKER	406	

DATE: 4/16/2024 4:09:51 PM  
 FILE: G:\TXC\Projects\TXDOT\19868-01\_IH 20\03\_CADD\01\_Shts\06-DRNG\01\_DRNG\_PLAN\_05.dgn





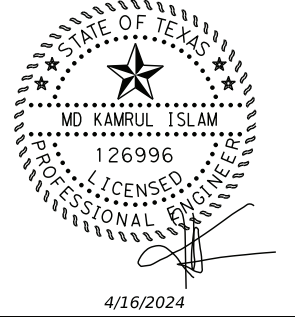
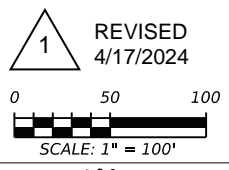
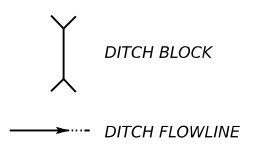
CK: DW: CK: DW:



DATE: 4/16/2024 4:08:39 PM  
FILE: G:\TXC\Projects\TXDOT\19868-01\_IH 20\103\_CADD\01\_Shts\106-DRNG\17\_20\_DRNG\_PLAN\_08.dgn



LEGEND



**BGE, Inc.**  
101 West Louis Henna Blvd, Suite 400, Austin, TX 78728  
Tel: 512-879-0400 • www.bgeinc.com  
TBPE Registration No. F-1046



IH 20  
DRAINAGE PLAN

STA 2974+00 TO STA 2986+00

SHEET 8 OF 17

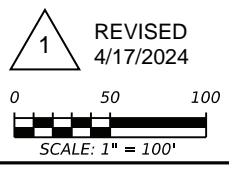
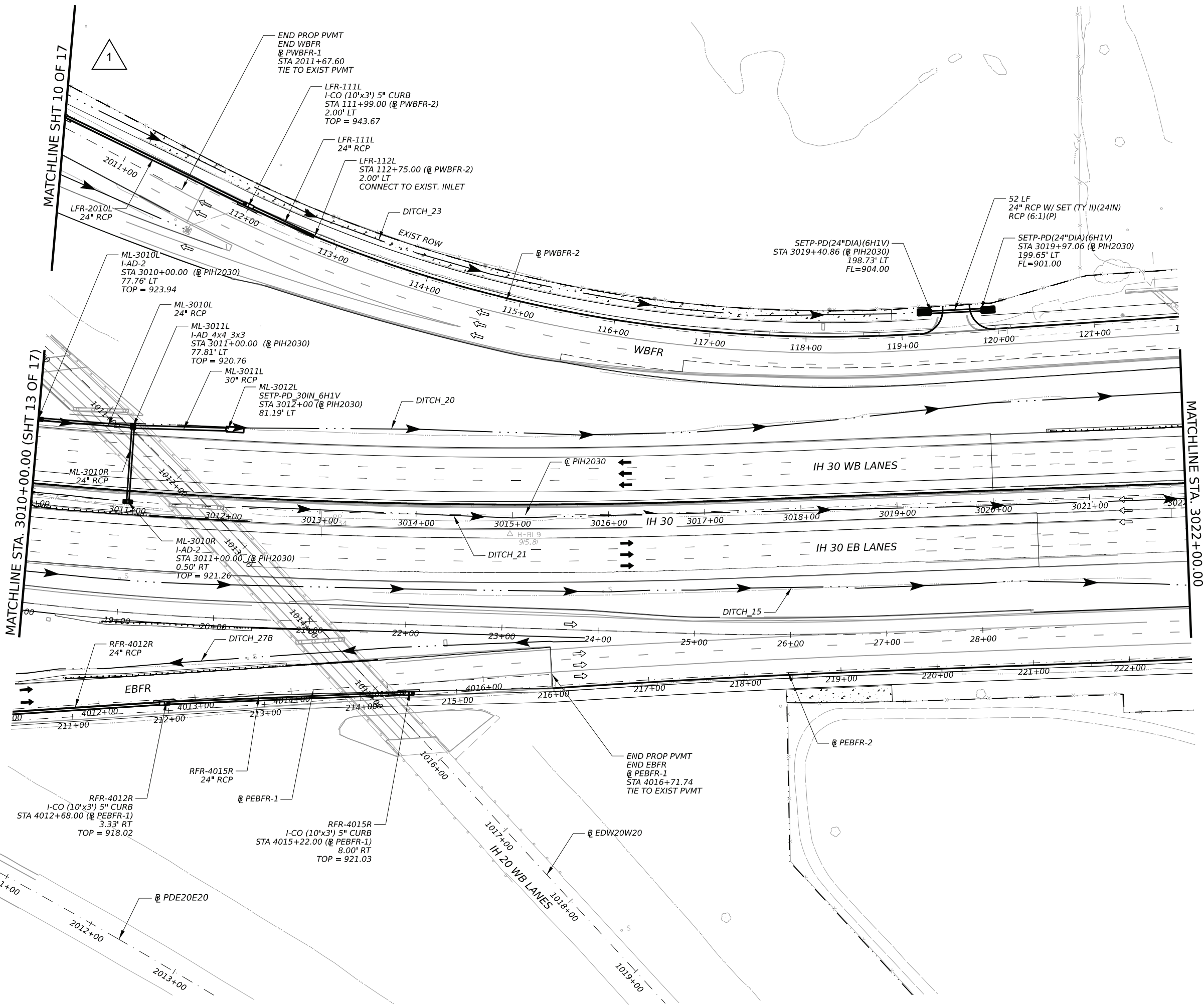
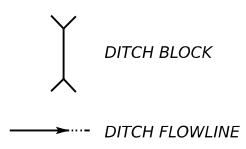
CONT	SECT	JOB	HIGHWAY
0008	03	133,ETC.	IH 20,ETC
DIST	COUNTY	SHEET NO.	
FTW	PARKER	409	

MATCHLINE SHT 11 OF 17

CK: DW: CK: DW:



**LEGEND**



STATE OF TEXAS  
 MD KAMRUL ISLAM  
 126996  
 LICENSED PROFESSIONAL ENGINEER  
 4/16/2024

**BGE, Inc.**  
 101 West Louis Henna Blvd, Suite 400, Austin, TX 78728  
 Tel: 512-879-0400 • www.bgeinc.com  
 TBPE Registration No. F-1046



**IH 20  
 DRAINAGE PLAN**

STA 3010+00 TO STA 3022+00

SHEET 14 OF 17

CONT	SECT	JOB	HIGHWAY
0008	03	133, ETC.	IH 20, ETC
DIST	COUNTY	SHEET NO.	
FTW	PARKER	415	

DATE: 4/16/2024 4:05:22 PM  
 FILE: G:\TXC\Projects\TXDOT\19868-01\_IH 20\103\_CADD\01\_Shts\06-DRNG\14\_DRNG\_PLAN\_14.dgn