






<b>Work Package</b>	<b>RD07S Package 7: Loop Ramps - Signing &amp; Striping RD12S Package 12: Comanche and NB Frontage Road - Signing &amp; Striping</b>
<b>Revision</b>	<b>00</b>
<b>Submittal Stage</b>	<b>Release For Construction</b>
<b>Date</b>	<b>8/23/2017</b>

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INDEX OF SHEETS

SHEET NUMBER	DESCRIPTION	REVISION
STR-FM; 002	LARGE SIGN FORMATS	0
STR-FS; 002	SMALL SIGN FORMATS	0
STR-OSSE; 008 TO 009	OVERHEAD SIGN ELEVATIONS	0
STR-LOSS; 003	SUMMARY OF LARGE SIGNS: SH 286 FRONTAGE ROADS	0
STR-SOSS; 013 TO 018	SUMMARY OF SMALL SIGNS	0
STR-NSFR; 007 TO 010	PAVEMENT MARKING AND SIGNING, SH 286 FRONTAGE ROADS STA 1151+00 TO STA 1188+48	0
STR-XRCM; 001	PAVEMENT MARKING AND SIGNING, COMANCHE STREET STA 20+00 TO STA 30+00	0
STR-XRLI; 001	PAVEMENT MARKING AND SIGNING, LIPAN STREET STA 4+95 TO STA 24+25	0

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US 181 HARBOR BRIDGE			
PAVEMENT MARKING & SIGNING SH 286 FRONTAGE ROADS INDEX OF SHEETS			
<div><div></div><div>FLATIRON DRAGADOS LLC</div></div>			
<div><div></div><div>2000 Berling Drive, Suite 102 Houston, Texas 77057 281-772-2880</div></div>			
DP-007 & 012			
<div><div></div><div>Texas Department of Transportation</div></div>			
FED. RD. DIV. NO.		FEDERAL AID PROJECT NO.	
6		HP X597 (1)	
STATE		COUNTY	
TEXAS		NUECES	
CONT.		HIGHWAY NO.	
0101		US181	

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FOR INFORMATION ONLY

SIGNING LEGEND

	EXIST SMALL SIGN TO BE RELOCATED		PREFAB PAV MRK W/WNTY TY B(W) (6IN) (BRK) CNTST WITH 2IN(B) ON EACH SIDE (10IN TOTAL WIDTH PER STD SHEET CPM(1)-14 (CONTRAST AND SHADOW PAVEMENT MARKINGS
	EXIST SMALL SIGN TO BE REMOVED		REFL PAV MRKR TY II-C-R
	EXIST LARGE SIGN TO BE REMOVED		REFL PAV MRKR TY I-C
	PROPOSED SMALL SIGN		REFL PAV MRKR TY II-Y-Y
	PROPOSED LARGE SIGN OR OVHD SIGN		INSTL DEL ASSM (D-SW)SZ 1(FLX)GF2
	EXISTING SIGN TO REMAIN		INSTL DEL ASSM (D-SY)SZ 1(FLX)GF2
	PROPOSED SMALL SIGN ASSEMBLY		INSTL DEL ASSM (D-SW)SZ (BR)CTB AT 80' SPA
	EXISTING SMALL SIGN ASSEMBLY TO REMAIN		INSTL DEL ASSM (D-SY)SZ (BR)CTB AT 80' SPA
	PROPOSED LARGE SIGN ASSEMBLY, GROUND MOUNT		REFL PAV MRK W/RET REQ TY I (W) 4"(BRK)
	PROPOSED OVERHEAD SIGN BRIDGE STRUCTURE		
	PROPOSED CANTILEVER SIGN STRUCTURE		

	REFL PAV MRK W/RET REQ TY I (Y) 4"(BRK)		ELIM EXT PAV MRK & MRKR (4IN)
	REFL PAV MRK W/RET REQ TY I (W) 4"(SLD)		ELIM EXT PAV MRK MRKR (18" AND 36")
	REFL PAV MRK EL PROF TY I (W) 4"(SLD)		ELIM EXT PAV MRK & MRKR (WORD)
	REFL PAV MRK W/RET REQ TY I (Y) 4" (SLD)		"ONLY" "MERGE" PREFAB PAV MRK TY C (W) (WORD)
	REFL PAV MRK TY I (Y)4"(SLD) (DBL)		PREFAB PAV MRK TY C (W) (ARROW)
	REFL PAV MRK EL PROF TY I (Y) 4"(SLD)		EXISTING PAV MRK TO REMAIN
	REFL PAV MRK TY I (BLACK)6"(SHADOW) (100 MIL)		RAILROAD CROSSING
	REFL PAV MRK TY I (W)8"(SLD) (100 MIL)		4" DOTTED WHITE LINE (3' LINE, 9' GAP)
	REFL PAV MRK TY I (W)12"(SLD) (100 MIL)		4" DOTTED WHITE LINE (2' LINE, 6' GAP)
	REFL PAV MRK TY I (W)24"(SLD) (100 MIL)		12" DOTTED WHITE LINE (3' LINE, 9' GAP)
	REFL PAV MRK TY I (Y)24"(SLD) (100 MIL)		YIELD LINES

SIGNING AND PAVEMENT MARKING NOTES

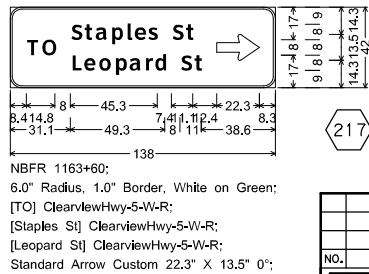
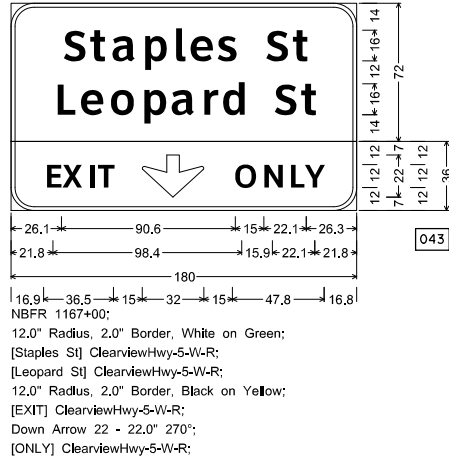
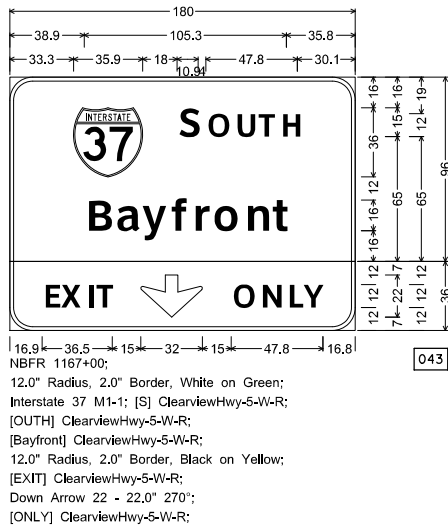
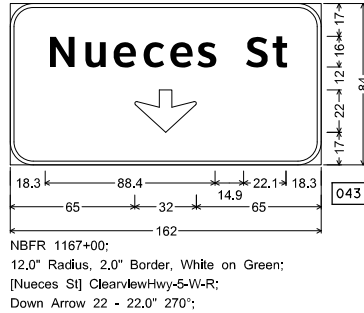
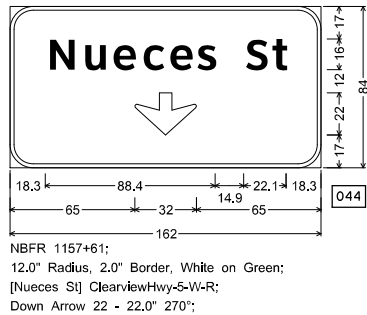
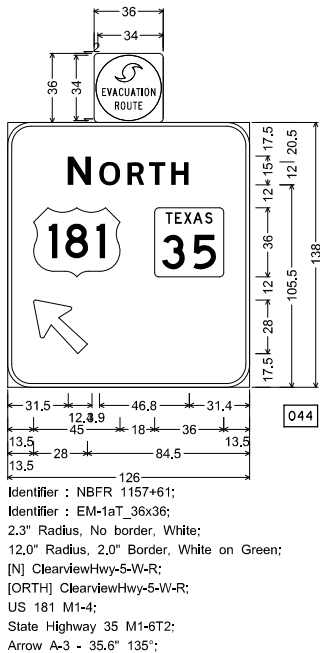
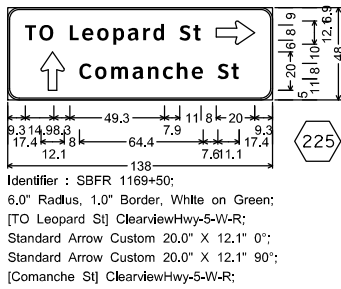
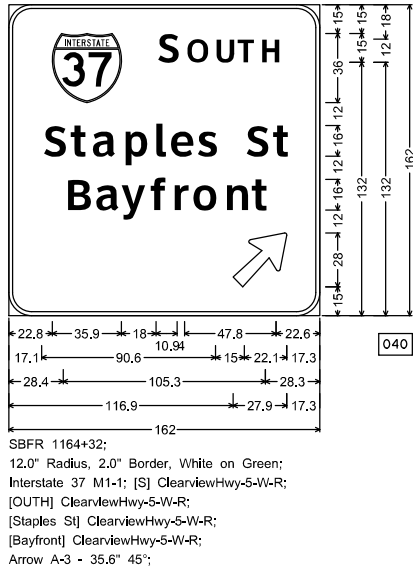
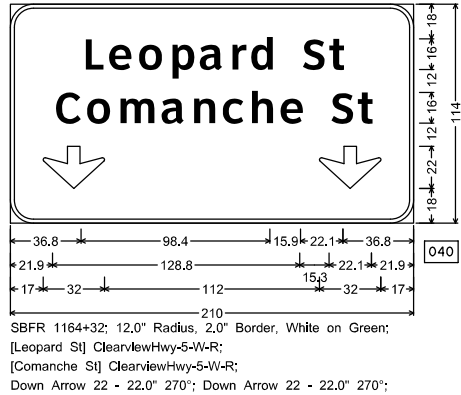
- ALL SIGN LEGENDS AND OFFSETS PER THE TEXAS MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (TMUTCD), LATEST STANDARDS AND CORPUS CHRISTI DISTRICT POLICIES.
- ACTUAL CLEARANCE TO BE SHOWN WILL BE VERIFIED IN THE FIELD BY THE CONTRACTOR PRIOR TO FABRICATION OF THE SIGN.
- ALL EXISTING TEXAS LOGO SIGNS TO BE RELOCATED BY LONE STAR LOGOS AND SIGNS. CONTRACTOR SHALL CALL MR. RICK RENDON AT (512) 462-1310, FAX (512) 462-1315, TWO WEEKS PRIOR TO COORDINATE THIS WORK.
- FIELD VERIFY ALL PROPOSED SIGN LOCATIONS BEFORE INSTALLING.
- LOCATION OF PROPOSED SIGNS IS APPROXIMATE AND SHALL BE ADJUSTED AS SPECIFIED BY TXDOT IN THE FIELD.
- FOR ALL SIGN STATION CALLOUTS ON ALL PLAN SHEETS, SEE THE SIGN SUMMARY SHEETS FOR ROADWAY CENTERLINE DESIGNATION.
- ALL PAVEMENT MARKINGS ARE ACCORDING TO THE TEXAS PAVEMENT MARKING MANUAL, LATEST STANDARDS AND CORPUS CHRISTI DISTRICT POLICIES.
- ALL EXISTING SIGNS WITHIN PROJECT LIMITS WILL BE REMOVED UNLESS DESIGNATED TO REMAIN, IDENTIFIED BY HATCHING AS SHOWN IN THE SIGNING LEGEND ABOVE.

PAVEMENT MARKING AND SIGNING STANDARDS

TSR	TYPICAL SIGN REQUIREMENTS
RCD	RAILROAD CROSSING DETAILS SIGNING, STRIPING AND DEVICE PLACEMENT
BLPM	BICYCLE LANE PAVEMENT MARKINGS
D&OM	DELINEATORS & OBJECT MARKERS
PM	PAVEMENT MARKINGS
FPM	FREEWAY PAVEMENT MARKINGS
SMD(GEN)	SIGN MOUNTING DETAILS, SMALL ROADSIDE SIGNS, GENERAL NOTES & DETAILS
SMD(SLIP)	SIGN MOUNTING DETAILS, SMALL ROADSIDE SIGNS, TRIANGULAR SLIPBASE SYSTEM
SMD(TWT)	SIGN MOUNTING DETAILS, SMALL ROADSIDE SIGNS, WEDGE & UNIVERSAL ANCHOR WITH THIN WALL TUBING POST
SMD(FRP)	SIGN MOUNTING DETAILS, SMALL ROADSIDE SIGNS, UNIVERSAL ANCHOR SYSTEM WITH FRP POST
SMD(BR)	BRIDGE RAILING SIGN MOUNT
SMD(2-1)	SIGN MOUNTING DETAILS, EXTRUDED ALUMINUM SIGN PANELS & HARDWARE
SMD(2-2)	SIGN MOUNTING DETAILS, LARGE ROADSIDE SIGNS FOUNDATION & STUB
SMD(2-3)	SIGN MOUNTING DETAILS, LARGE ROADSIDE SIGNS
SMD(2-4)	SIGN MOUNTING DETAILS, OVERHEAD SIGNS, EXTRUDED ALUMINUM
SMD(2-6)	SIGN MOUNTING DETAILS, LARGE ROADSIDE SIGNS, ELECTRICAL CONNECTION
SMD(8W1)	LARGE ROADSIDE SIGN SUPPORTS, POST SELECTION WORKSHEET
SMD(8W2)	LARGE ROADSIDE SIGN SUPPORTS, FOUNDATION WORKSHEET
DMS(TM)	DMS-TO-TRUSS MOUNTING AT OVERHEAD SIGN SUPPORTS
OSB-Z1	OVERHEAD SIGN BRIDGE DETAILS
HOSB-Z1	HIGH LEVEL OVERHEAD SIGN BRIDGE DETAILS
OSBC	OVERHEAD SIGN BRIDGE TRUSS DETAILS
OSBC-SC-Z1	OVERHEAD SIGN BRIDGE TRUSS DETAILS SINGLE COLUMN
COSS & OSB-SZ	OVERHEAD SIGN BRIDGE DETAILS
COSS-Z1-10	CANTILEVER OVERHEAD SIGN SUPPORTS
HCOSS-Z1-10	HIGH LEVEL CANTILEVER OVERHEAD SIGN SUPPORTS
COSSD	CANTILEVER OVERHEAD SIGN SUPPORT DETAILS

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US 181 HARBOR BRIDGE			
PAVEMENT MARKING & SIGNING GENERAL NOTES AND LEGEND			
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STATE	STATE DIST. NO.	COUNTY	001
TEXAS	CRP	NUECES	
CONT.	SECT	JOB	HIGHWAY NO.
0101	06	095	US181

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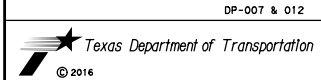
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US 181 HARBOR BRIDGE

PAVEMENT MARKING & SIGNING

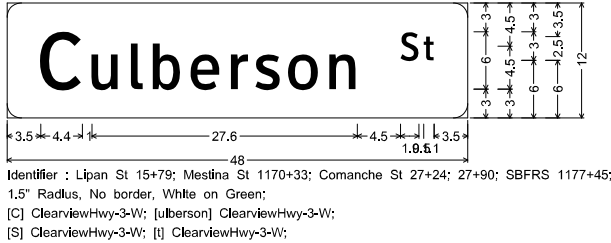
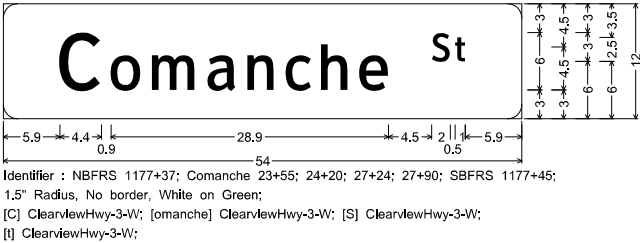
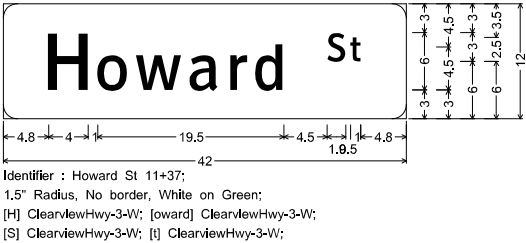
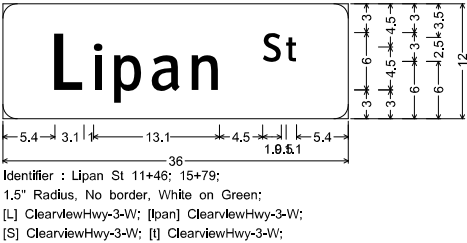
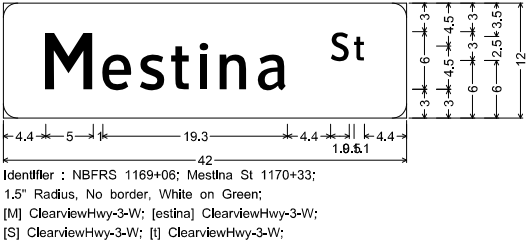
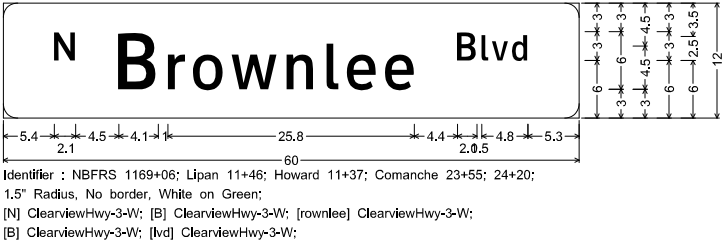
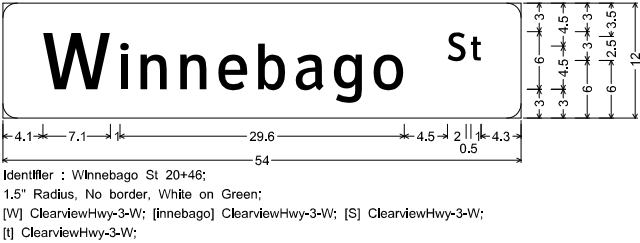
US 181/SH 286

LARGE SIGN FORMATS



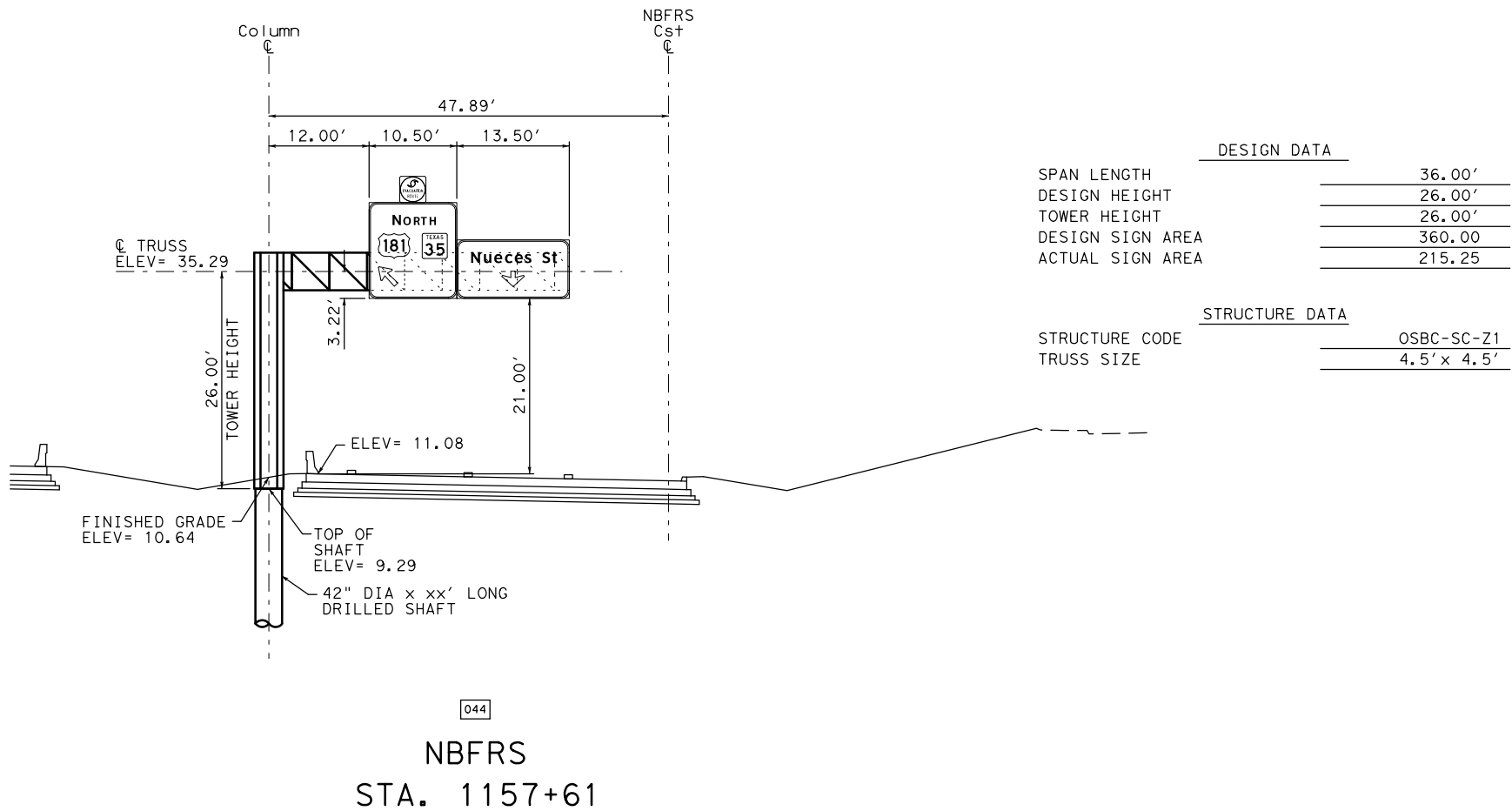
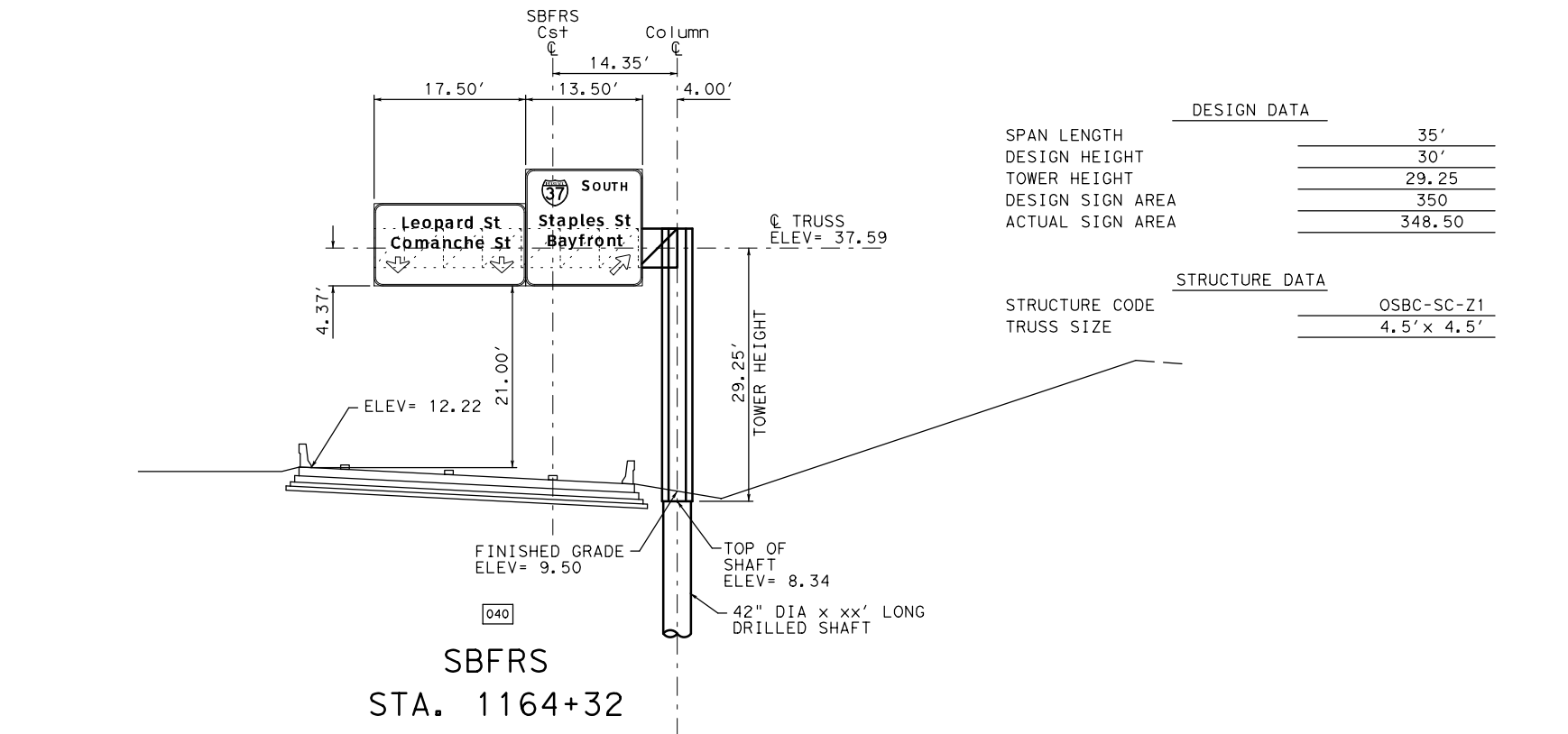
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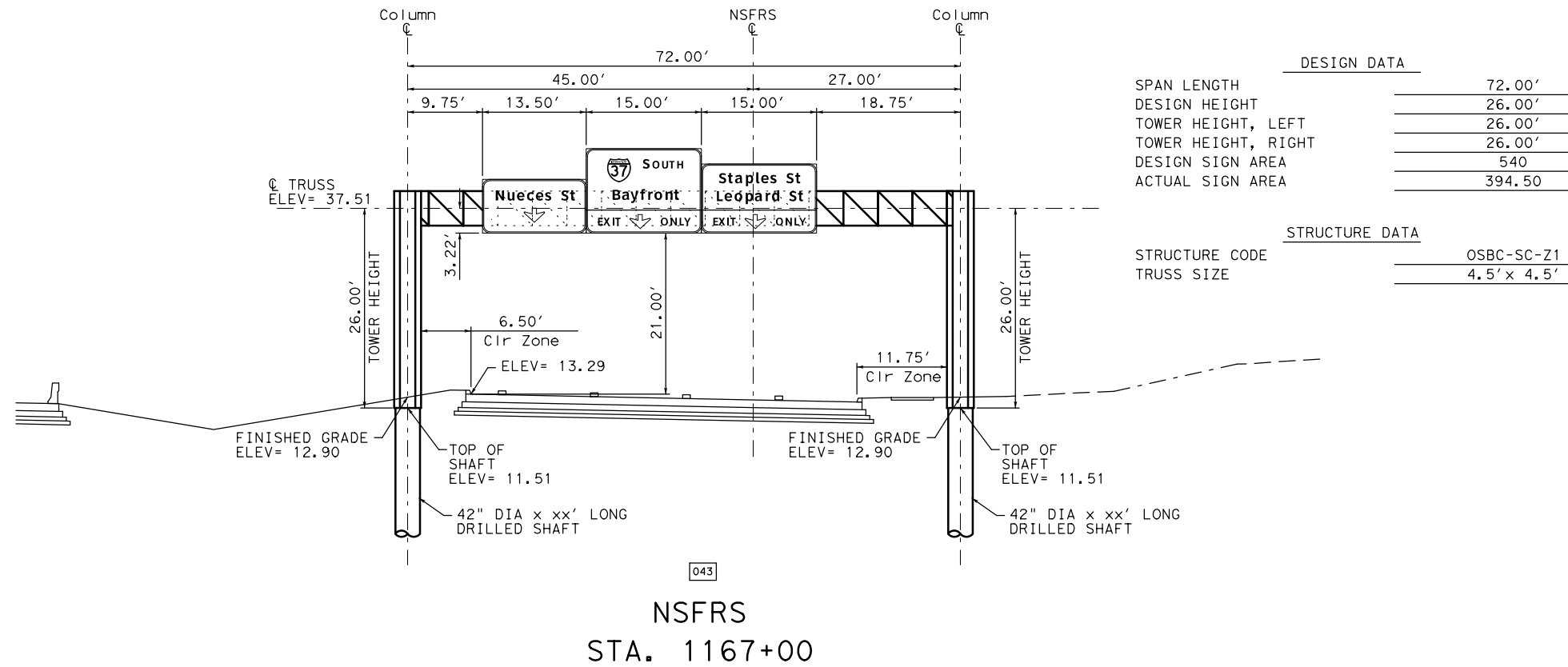
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US 181 HARBOR BRIDGE			
PAVEMENT MARKING & SIGNING US 181/SH 286 SMALL SIGN FORMATS			
 <b>FLATIRON/Dragados LLC</b>			
 2020 Berling Drive, Suite 102 Houston, Texas 77057 281-772-2880			
DP-007 & 012			
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0101	06	095	US181

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P.E. No.: 70943			
Date: 8/2/17			
US 181 HARBOR BRIDGE			
PAVEMENT MARKING & SIGNING			
NB AND SB FRONTAGE ROADS			
OVERHEAD SIGN			
STRUCTURE ELEVATIONS			
FLATIRON/DRAGADOS LLC			
AZTEC			
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Texas Department of Transportation			
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P.E. No.: 70943

Date: 8/2/17

US 181 HARBOR BRIDGE

PAVEMENT MARKING & SIGNING

NB AND SB FRONTAGE ROADS

OVERHEAD SIGN

STRUCTURE ELEVATIONS

**FLATIRON/DRAGADOS LLC**

**AZTEC**

2000 Berling Drive, Suite 102  
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6	HP X597(1)	STR-OSSE
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












SUMMARY OF LARGE OVERHEAD SIGNS	
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<p style="font-size: 18px; margin: 0;"><b>PAVEMENT MARKING &amp; SIGNING</b></p> <p style="font-size: 18px; margin: 0;"><b>SH 286 FRONTAGE ROADS</b></p> <p style="font-size: 18px; margin: 0;"><b>SUMMARY OF LARGE SIGNS</b></p>		
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CONT. SECT <b>0101</b>	JOB <b>06</b>	HIGHWAY NO. <b>US181</b>



SUMMARY OF SMALL SIGNS

SUMMARY OF SMALL SIGNS																	
PLAN SHEET NO.	SIGN NO.	STATION AND OFFSET	SIGN NOMENCLATURE	SIGN	DIMENSIONS	FLAT ALUMINUM (TYPE A)	EXAL ALUMINUM (TYPE G)	SM RD SGN ASSM TY   XXXXX   (X)   XX   (X-XXXX)					BRIDGE MOUNT CLEARANCE SIGNS (See Note 2)				
								POST TYPE		POSTS	ANCHOR TYPE	MOUNTING DESIGNATION					
								FRP = Fiberglass TWT = Thin-Wall 10BWG = 10 BWG S80 = Sch 80 Rail = SMD (BR) -14	1 or 2			UA=Universal Conc UB=Universal Bolt SA=Slipbase-Conc SB=Slipbase-Bolt 130 MPH=Bridge Railing Sign Mount		PREFABRICATED	1EXT or 2EXT = # of Ext		
														P = "Plain" T = "T" U = "U"	BM = Extruded Wind Beam		
													WC = 1.12 #/ft Wing Channel				
												EXAL= Extruded Alum Sign Panels	TY = TYPE				
												TY N TY S					
STR-NSFR 007	200	STA 1151+77 3' R+ NBFR	R3-7L		30" x 30"	X		10BWG	1	SA	P	EXAL					
STR-NSFR 007	201	STA 1154+40 3' L+ NBFRS	W4-1aR		36" x 36"	X		10BWG	1	SA	T	EXAL					
STR-NSFR 007	202	STA 1155+19 3' R+ NBFRS	R6-1R		36" x 12"	X		10BWG	1	SA	P	BM					
STR-NSFR 007	203	STA 1155+10 6' R+ SBFRS	W4-3R		36" x 36"	X		10BWG	1	SA	P	EXAL					
STR-NSFR 007	204	STA 1159+37 3' R+ NBFRS	R6-1R		36" x 12"	X		10BWG	1	SA	P	BM					
STR-NSFR 007	205	STA 1159+45 6' L+ NBFRS	R3-1		36" x 36"	X		10BWG	1	SA	P	EXAL					
STR-NSFR 007	206	STA 20+46 4' L+ WINNEBAGO ST	R6-1R D3-1 (WINNEBAGO) R1-1		36" x 12" 54" x 12" 36" x 36"	X		10BWG	1	SA	T	EXAL					
STR-NSFR 007	207	STA 122+52 3' R+ RAMP C	R6-1R R1-1		36" x 12" 36" x 36"	X		10BWG	1	SA	T	EXAL					
STR-NSFR 007	208	STA 1151+20 6' L+ NW LOOP	W1-8R		36" x 48"	X		S80	1	SA	T	EXAL					
STR-NSFR 007	209	STA 1152+00 6' L+ NW LOOP	W1-8R		36" x 48"	X		S80	1	SA	T	EXAL					
STR-NSFR 007	210	STA 1152+80 6' L+ NW LOOP	W1-8R		36" x 48"	X		S80	1	SA	T	EXAL					
STR-NSFR 007	211	STA 1153+60 6' L+ NW LOOP	W1-8R		36" x 48"	X		S80	1	SA	T	EXAL					
STR-NSFR 007	212	STA 1154+40 6' L+ NW LOOP	W1-8R		36" x 48"	X		10BWG	1	SA	T	EXAL					
STR-NSFR 007	213	STA 1155+20 6' L+ NW LOOP	W1-8R		36" x 48"	X		10BWG	1	SA	T	EXAL					
STR-NSFR 007	214	STA 1155+50 3' R+ NW LOOP	W4-3R		36" x 36"	X		10BWG	1	SA	P	EXAL					

ALUMINUM SIGN BLANKS THICKNESS	
Square Feet	Minimum Thickness
Less than 7.5	0.080"
7.5 to 15	0.100"
Greater than 15	0.125"

The Standard Highway Sign Designs for Texas (SHSD) can be found at the following website.

- NOTE:
- 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.
  - For installation of bridge mount clearance signs, see Bridge Mounted Clearance Sign Assembly (BMCS) Standard Sheet.
  - For Sign Support Descriptive Codes, see Sign Mounting Details Small Roadside Signs General Notes & Details SMD (GEN).
  - Offsets measured from face of curb, barrier and guardrail to near edge of sign in station direction.

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Engineer, Robert Wright

P.E. No. 170943

Date 8/2/17

US 181 HARBOR BRIDGE

PAVEMENT MARKING & SIGNING  
SUMMARY OF SMALL SIGNS  
US181/SH286



FLATIRON/DRAGADOS

AZTEC














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6	HP X597 (1)	STR-SOSS
STATE	STATE DIST. NO.	COUNTY
TEXAS	CRP	NUECES
CONT.	SECT	JOB
0101	06	095
		HIGHWAY NO.
		US181

# SUMMARY OF SMALL SIGNS





PLAN SHEET NO.	SIGN NO.	STATION AND OFFSET	SIGN NOMENCLATURE	SIGN	DIMENSIONS	FLAT ALUMINUM (TYPE A)	EXAL ALUMINUM (TYPE G)	SM RD SGN ASSM TY XXXXX (X) XX (X-XXXX)					BRIDGE MOUNT CLEARANCE SIGNS (See Note 2)
								POST TYPE	POSTS	ANCHOR TYPE	MOUNTING DESIGNATION		
											PREFABRICATED	1EXT or 2EXT = # of Ext BM = Extruded Wind Beam WC = 1.12 #/ft Wing Channel EXAL= Extruded Alum Sign Panels	
													P = "Plain" T = "T" U = "U"
STR-NSFR 007	215	STA 1159+96 3' Lt NW LOOP	W1-8R		36" x 48"	X		10BWG	1	SA	T	EXAL	
STR-NSFR 008	216	STA 1162+45 6' Lt NBFRS	GUIDE ASSEMBLY	M3-3 M1-1 M6-1 RIGHT 	24" x 12" 24" x 24" 21" x 15"	X		10BWG	1	SA	P	EXAL	
STR-NSFR 008	217	STA 1163+60 12' Lt NBFRS	DESTINATION GREEN GUIDE SIGN		138" x 42"	X		S80	2	SA	P	EXAL	
STR-NSFR 008	219	STA 1165+60 2' Rt SBFRS	E5-1bT		72" x 60"	X		10BWG	2	SA	P	EXAL	
STR-NSFR 008	220	STA 1167+44 2' Lt NBFRS	W4-1aL		36" x 36"	X		10BWG	1	SA	T	EXAL	
STR-NSFR 008	221	STA 1167+60 2' Rt NBFRS	R6-1R		36" x 12"	X		10BWG	1	SA	P	BM	
STR-NSFR 008	222	STA 1167+86 2' Lt NBFRS	R1-2 R1-2bTP		48" x 48" x 48" 21" x 15"	X		10BWG	1	SA	T	EXAL	
STR-NSFR 008	223	STA 1169+06 19' Lt NBFRS	R6-1R D3-1 (BROWNLEE) D3-1 (MESTINA) R1-1		36" x 12" 60" x 12" 42" x 12" 36" x 36"	X		10BWG	1	SA	T	EXAL	
STR-NSFR 008	224	STA 1169+10 3' Rt NBFRS	R6-1R		36" x 12"	X		RAIL	1	130 MPH	P	BM	
STR-NSFR 008	225	STA 1169+50 6' Rt SBFRS	DESTINATION GREEN GUIDE SIGN		138" x 48"	X		10BWG	2	SA	P	EXAL	
STR-NSFR 008	226	STA 1169+60 3' Rt NBFRS	W4-3R		36" x 36"	X		10BWG	1	SA	T	EXAL	
STR-NSFR 008	227	STA 1170+55 2' Lt NBFR	R5-1A		42" x 30"	X		10BWG	1	SA	T	EXAL	
STR-NSFR 008	228	STA 1170+55 3' Rt NBFRS	R5-1A W4-3R		36" x 24" 36" x 36"	X		10BWG	1	SA	T	EXAL	

ALUMINUM SIGN BLANKS THICKNESS	
Square Feet	Minimum Thickness
Less than 7.5	0.080"
7.5 to 15	0.100"
Greater than 15	0.125"

The Standard Highway Sign Designs for Texas (SHSD) can be found at the following website.

NOTE:

1. 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.
2. For installation of bridge mount clearance signs, see Bridge Mounted Clearance Sign Assembly (BMCS) Standard Sheet.
3. For Sign Support Descriptive Codes, see Sign Mounting Details Small Roadside Signs General Notes & Details SMD(GEN).
4. Offsets measured from face of curb, barrier and guardrail to near edge of sign in station direction.

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Engineer, <u>Robert Wright</u>					
P.E. No., <u>70943</u>					
Date, <u>8/2/17</u>					
US 181 HARBOR BRIDGE					
PAVEMENT MARKING & SIGNING SUMMARY OF SMALL SIGNS US181/SH286					
 <b>FLATIRON/DRAGADOS LLC</b>					
  2000 Bering Drive, Suite 702 Houston, Texas 77057 346-772-2860					
DP-007 & 012					
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FED. RD. DIV. NO.		FEDERAL AID PROJECT NO.			SHEET NO.
6		HP X597 (1)			STR-SOSS <b>014</b>
STATE	STATE DIST. NO.	COUNTY			
TEXAS	CRP	NUECES			
CONT.	SECT	JOB			
0101		06		095	HIGHWAY NO. US181

[illegible]

The Standard Highway Sign Designs for Texas (SHSD) can be found at the following website.

1. 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.
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3. For Sign Support Descriptive Codes, see Sign Mounting Details Small Roadside Signs General Notes & Details SMD (GEN).
4. Offsets measured from face of curb, barrier and guardrail to near edge of sign in station direction.

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The Standard Highway Sign Designs for Texas (SHSD) can be found at the following website.

4. Offsets measured from face of curb, barrier and guardrail to near edge of sign in station direction.

- |     |  |  |  |  |    |  |      |
|-----|--|--|--|--|----|--|------|
|     |  |  |  |  |    |  |      |
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| NO. |  |  |  |  | BY |  | DATE |
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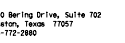
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*P.E. No.,* 70943

*Date,* 8/2/17

PAVEMENT MARKING & SIGNING  
SUMMARY OF SMALL SIGNS  
US181/SH286



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6	HP X597(1)		STR-SSOS
STATE	STATE DIST. NO.	COUNTY	<b>016</b>
TEXAS	CRP	NUECES	
CONT.	SECT	JOB	
0101	06	095	HIGHWAY NO. US181

SUMMARY OF SMALL SIGNS													
PLAN SHEET NO.	SIGN NO.	STATION AND OFFSET	SIGN NOMENCLATURE	SIGN	DIMENSIONS	FLAT ALUMINUM (TYPE A)	EXAL ALUMINUM (TYPE G)	SM RD SGN ASSM TY XXXXX (X) XX (X-XXXX)					BRIDGE MOUNT CLEARANCE SIGNS (See Note 2)
								POST TYPE	POSTS	ANCHOR TYPE	MOUNTING DESIGNATION		
											FRP = Fiberglass TWT = Thin-Wall 10BWG = 10 BWG S80 = Sch 80 Rail = SMD (BR)-14	1 or 2	
													TY N TY S
STR-XRCM 001	262	STA 27+27 3' R+ COMANCHE ST	D3-1 (CULBERSON) D3-1 (COMANCHE) R6-1L R6-1R  R1-1 R1-4		48" x 12" 54" x 12" 36" x 12" 36" x 12"  36" x 36"  30" x 12"	X		RAIL	1	130 MPH	T	EXAL	
STR-XRCM 001	263	STA 27+90 3' L+ COMANCHE ST	D3-1 (CULBERSON) D3-1 (COMANCHE) R6-1L R6-1R  R1-1 R1-4		48" x 12" 54" x 12" 36" x 12" 36" x 12"  36" x 36"  30" x 12"	X		10BWG	1	SA	T	EXAL	
STR-XRCM 001	264	STA 1176+66 2' L+ NBFRS	GUIDE ASSEMBLY	M3-3 (24" x 12") M1-6T (24" x 24") M6-1 LEFT (21" x 15") 	24" x 12" 24" x 24"  21" x 15"	X		10BWG	1	SA	U	EXAL	
STR-XRCM 001	265	STA 1177+43 2' L+ NBFRS	R5-1  D3-1 (COMANCHE)  R1-1  R1-4		30" x 30"  54" x 12" 36" x 36" 30" x 12"	X		10BWG	1	SA	T	EXAL	
STR-XRCM 001	266	STA 1177+50 3' R+ NBFRS	R5-1  R1-1  R1-4		30" x 30"  36" x 36" 30" x 12"	X		RAIL	1	130 MPH	T	EXAL	
STR-XRCM 001	267	STA 1177+42 3' L+ SBFRS	R5-1 R1-1 R1-4		30" x 30"  36" x 36" 30" x 12"	X		10BWG	1	SA	T	EXAL	
STR-XRCM 001	268	STA 1177+45 2' R+ SBFRS	D3-1 (CULBERSON)  D3-1 (COMANCHE)  R5-1  R1-1  R1-4		48" x 12" 54" x 12" 30" x 30" 36" x 36" 30" x 12"	X		10BWG	1	SA	T	EXAL	
STR-XRCM 001	269	STA 1178+10 2' R+ SBFRS	GUIDE ASSEMBLY	M4-5 (24" x 12") M1-1 (24" x 24") M6-1L (21" x 15") 	24" x 12" 24" x 24" 21" x 15"	X		10BWG	1	SA	U	EXAL	
STR-XRCM 001	270	STA 1178+25 3' L+ SBFRS	GUIDE ASSEMBLY	M4-5 (24" x 12") M1-1 (24" x 24") M5-1L (21" x 15") 	24" x 12" 24" x 24" 21" x 15"	X		10BWG	1	SA	U	EXAL	
STR-XRLI 001	271	STA 5+40 2' R+ LIPAN ST	W4-1aL		36" x 36"	X		10BWG	1	SA	T	EXAL	

The Standard Highway Sign Designs for Texas (SHSD) can be found at the following website.


NO. \_\_\_\_\_ BY \_\_\_\_\_ DATE \_\_\_\_\_

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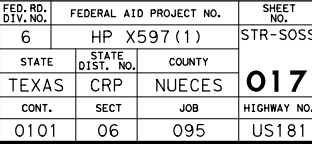
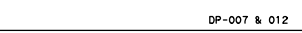
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OR UNDER THE SUPERVISION OF:

*Engineer:* Robert Wright

*P.E. No.:* 70943

*Date:* 8/2/17

PAVEMENT MARKING & SIGNING  
SUMMARY OF SMALL SIGNS  
US181/SH286



[illegible]

The Standard Highway Sign Designs for Texas (SHSD) can be found at the following website.

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*P.E. No.,* 70943

*Date,* 8/2/17

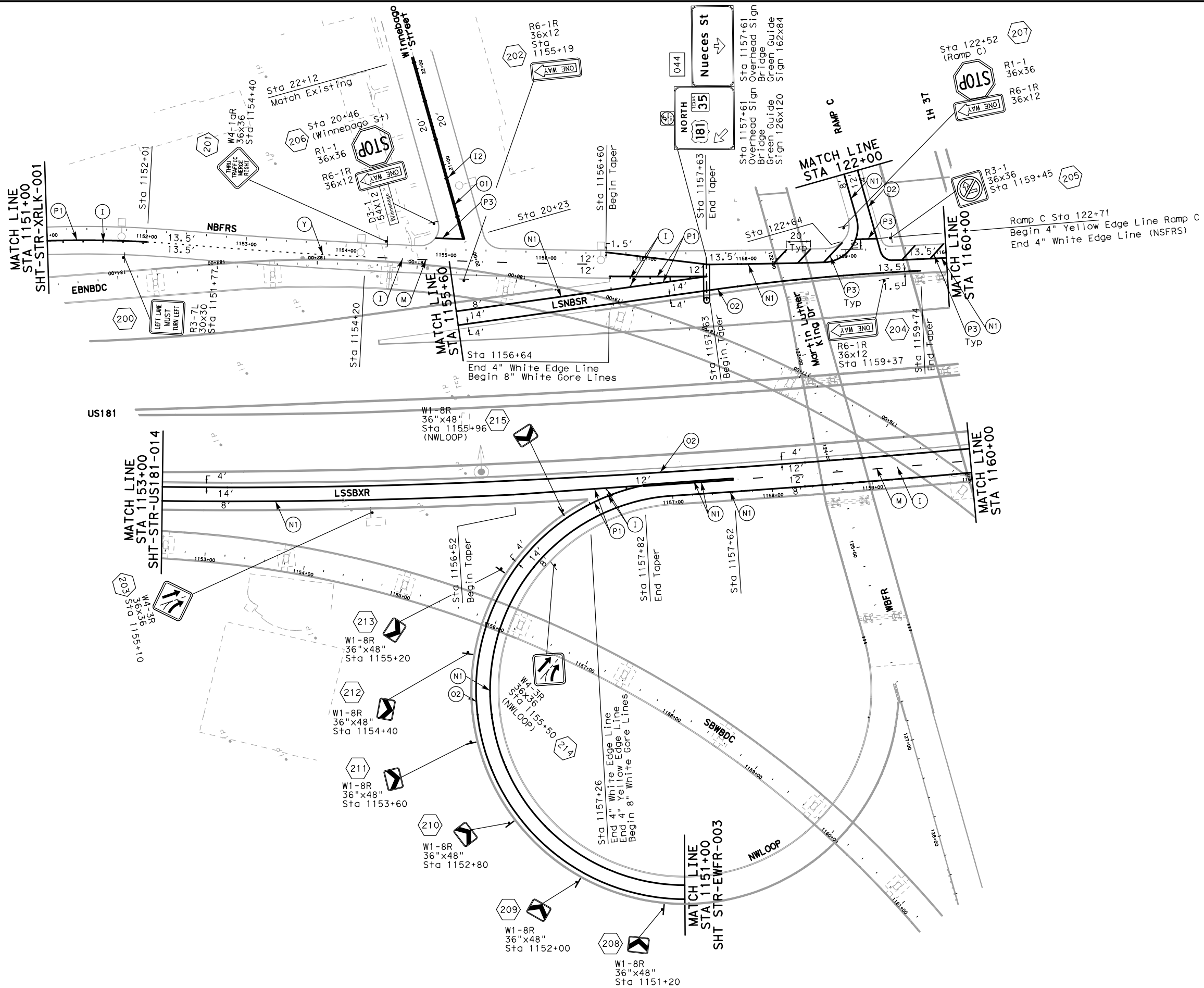
PAVEMENT MARKING & SIGNING  
SUMMARY OF SMALL SIGNS  
US181/SH286





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STATE	STATE DIST. NO.	COUNTY	
TEXAS	CRP	NUECES	
CONT.	SECT	JOB	
0101	06	095	

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Note:  
For Bridge Barrier/Barrier Mounted Signs,  
See TXDOT Standard Detail SMD (BR)-14.



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US 181 HARBOR BRIDGE			
PAVEMENT MARKING & SIGNING US181/SH286, FRONTAGE ROADS STA. 1151+00 - STA. 1160+00			
SCALE: 1"=100'			
 <b>FLATIRON/DRAGADOS LLC</b>			
 <b>AZTEC</b> 2000 Berling Drive, Suite 102 Houston, Texas 77057 281-772-2880			
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6	HP X597(1)	STR-NSFR	
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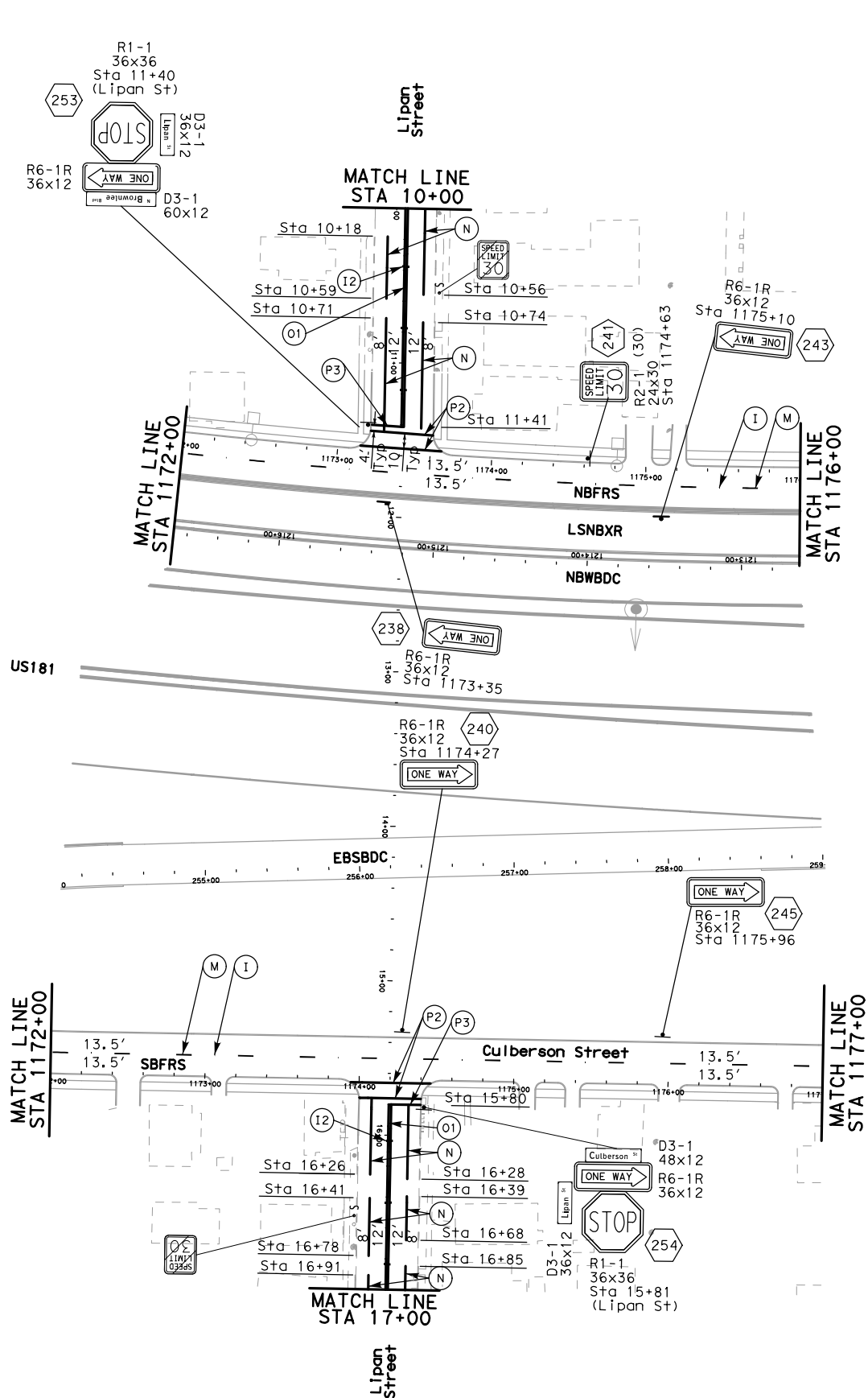
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SH286 SOUTHBOUND FRONTAGE ROAD SOUTH - CULBERSON STREET

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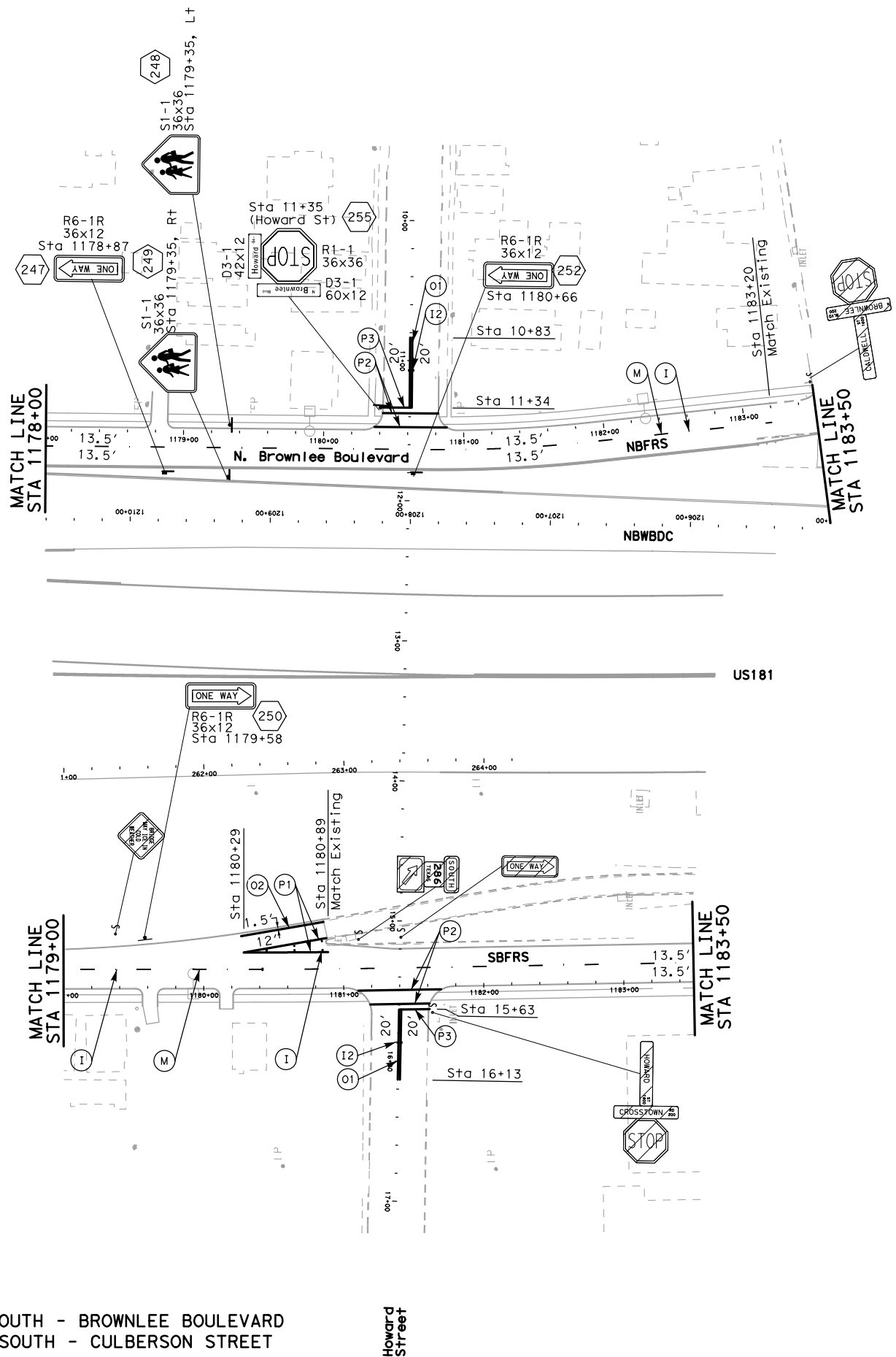
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Note:  
For Bridge Barrier/Barrier Mounted Signs,  
See TXDOT Standard Detail SMD (BR)-14.



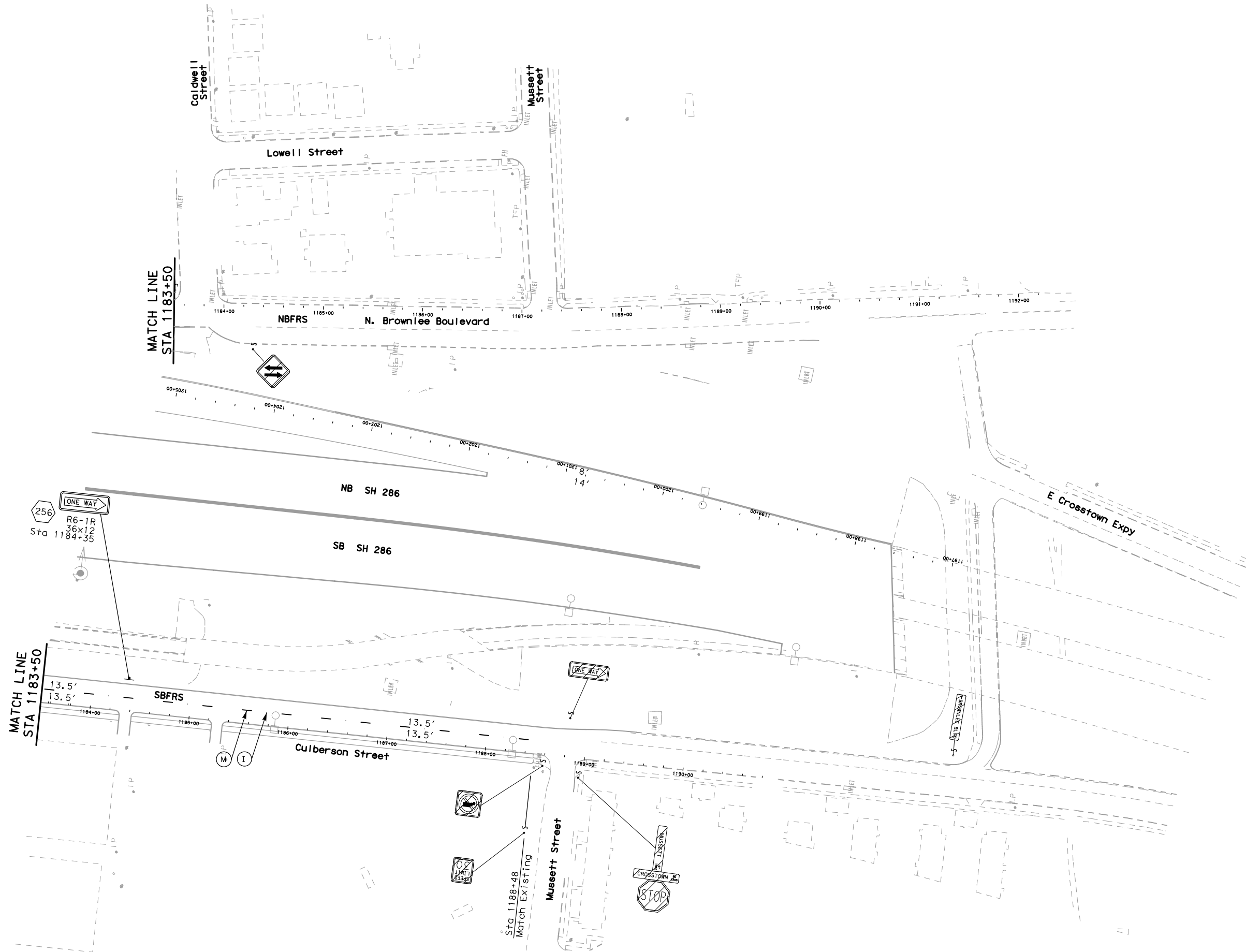
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See Sheet STR-XRCM-001

SH 286 NORTHBOUND FRONTAGE ROAD SOUTH - BROWNLEE BOULEVARD  
SH 286 SOUTHBOUND FRONTAGE ROAD SOUTH - CULBERSON STREET



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US 181 HARBOR BRIDGE			
PAVEMENT MARKING & SIGNING US181/SH286, FRONTAGE ROADS STA. 1172+00 - STA. 1183+50			
SCALE: 1"=100'			
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6	HP X597(1)	STR-NSFR	
STATE	STATE DIST. NO.	COUNTY	009
TEXAS	CRP	NUECES	
CONT.	SECT	JOB	HIGHWAY NO.
0101	06	095	US181

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SH 286 NORTHBOUND FRONTAGE ROAD SOUTH - BROWNLEE BOULEVARD  
SH 286 SOUTHBOUND FRONTAGE ROAD SOUTH - CULBERSON STREET

NO. BY DATE

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**Engineer: Robert Wright**  
**P.E. No. 70943**  
**Date: 8/2/17**

US 181 HARBOR BRIDGE

PAVEMENT MARKING & SIGNING  
US181/SH286, FRONTAGE ROADS  
STA. 1183+50 - STA. 1188+48  
SCALE: 1"=100'

**FLATIRON/Dragados LLC**

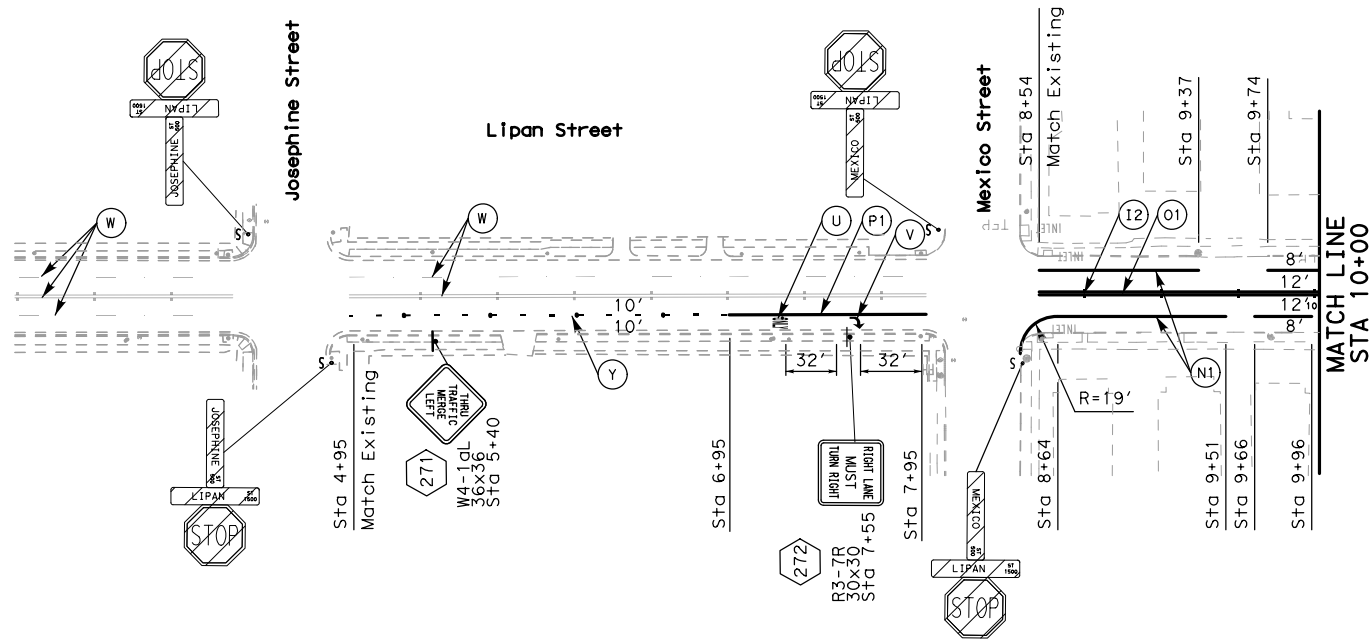
**AZTEC**  
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281-772-2800

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6	HP X597(1)	STR-NSFR
STATE	STATE DIST. NO.	COUNTY
TEXAS	CRP	NUECES
CONT.	SECT	JOB
0101	06	095
		HIGHWAY NO.
		US181

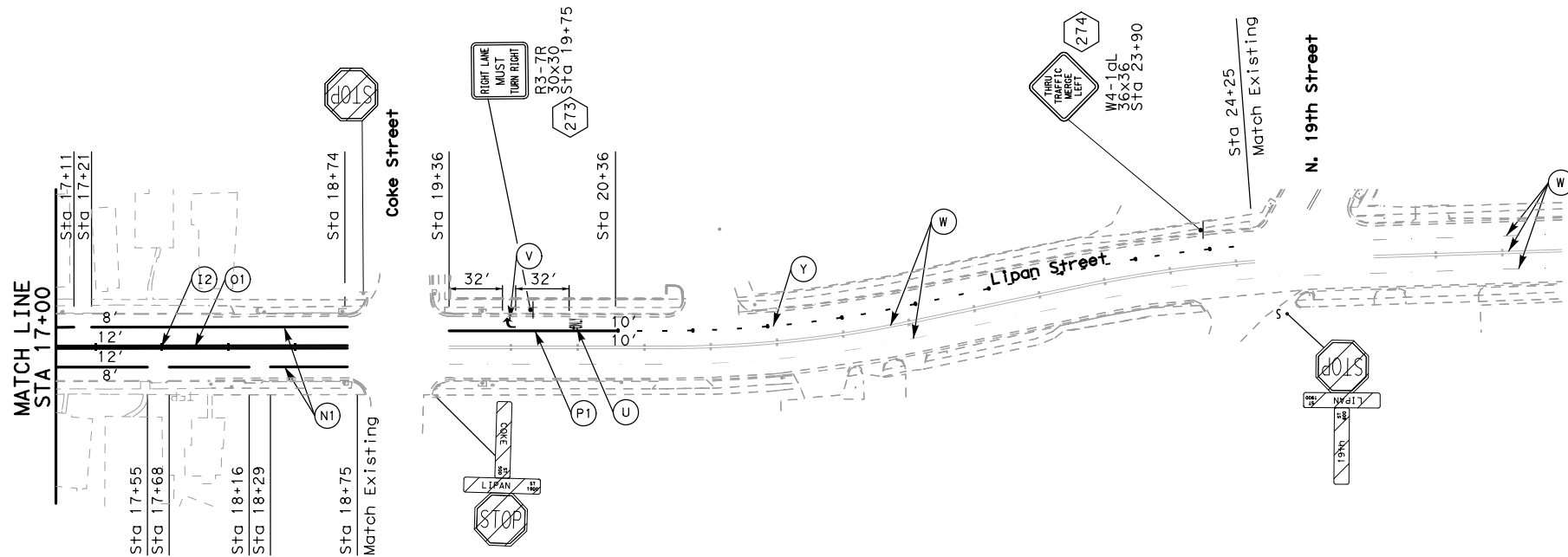


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NBFRS  
See Sheet STR-NSFR-009

SBFRS  
See Sheet STR-NSFR-009



LIPAN STREET

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US 181 HARBOR BRIDGE			
PAVEMENT MARKING & SIGNING US181/SH286, CROSS STREETS LIPAN STREET STA. 4+95 - STA. 24+25  SCALE: 1"=100'			
 <b>FLATIRON/Dragados LLC</b>			
 <b>AZTEC</b> 2000 Berling Drive, Suite 102 Houston, Texas 77057 281-772-2880			
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FED. RD. DIV. NO.	FEDERAL AID PROJECT NO.		SHEET NO.
6	HP X597(1)		STR-XRL1
STATE	STATE DIST. NO.	COUNTY	<b>001</b>
TEXAS	CRP	NUECES	
CONT.	SECT	JOB	HIGHWAY NO.
0101	06	095	US181