Texas Department of Transportation

DESIGN SCHEMATIC

KELLY O. MORRIS, P.E.
LUFKIN DISTRICT ENGINEER

ROLL 3 OF 4

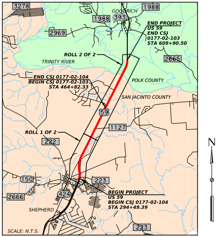
DATE:	STATE DISTRICT	COUNTY	CONTROL NO.	SEC NO.	JOB NO.
12/12/2024	LUFKIN	SAN JACINTO, POLK	0177	02	103, 104

TERRAIN: ROLLING
LIMITS: 0.74 MI. S. OF FM 223 TO 0.70 MI N. OF THE TRINITY RIVER
E MAX: 6%
EXIST ADT: 31,454
PROJ. ADT: 60,392

ROADWAY	FUNCTIONAL CLASSIFICATION	DESIGN SPEEDS
US 59 MAINLANES	RURAL FRWY. PRINCIPAL ARTERIAL	75 MPH
FRONTAGE ROADS	RURAL MAJOR COLLECTOR	50 MPH
RAMPS	RURAL RAMPS	65 MPH
FM 1127	RURAL MAJOR COLLECTOR	40 MPH
SL 424/LAKE POOL RD	RURAL LOCAL	30 MPH
LOCAL ROADS	RURAL LOCAL	30 MPH

PROJECT LOCATION MAP

POLK AND SAN JACINTO COUNTY


3278
1988
GOODRICH
1988
393
2969
END PROJECT
US 59
END CSJ
0177-02-103
STA 609+90.50
ROLL 2 OF 2
TRINITY RIVER
2665
END CSJ 0177-02-104
BEGIN CSJ 0177-02-103
STA 464+82.33
POLK COUNTY
SAN JACINTO COUNTY
59
1127
ROLL 1 OF 2
222
N
150
223
2666
424
BEGIN PROJECT
US 59
BEGIN CSJ 0177-02-104
STA 294+49.39
SHEPHERD
223
SCALE: N.T.S.

PROJECT LENGTH	FEDERAL AID PROJECT NO.	FED. RD. DIV. NO.	HIGHWAY NUMBER
5.90 MILES	XX, XXXXX	6	US 59

PRELIMINARY
SUBJECT TO REVISIONS

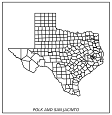
SCHEMATIC PREPARED BY:

NAME	P.E. NUMBER
TREVOR CASTILLA	85405

DATE: 12/12/2024

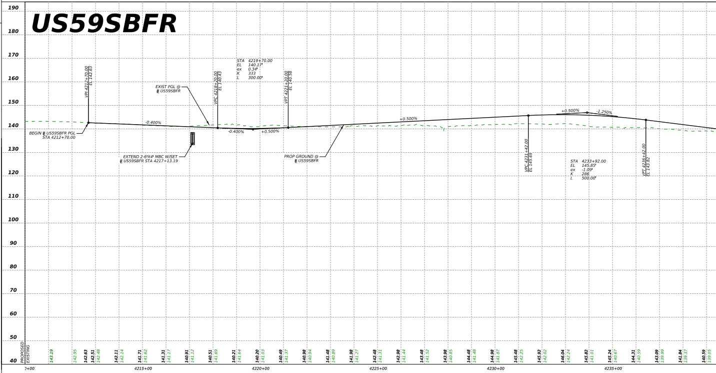
NOT INTENDED FOR CONSTRUCTION, BIDDING, OR PERMIT PURPOSES

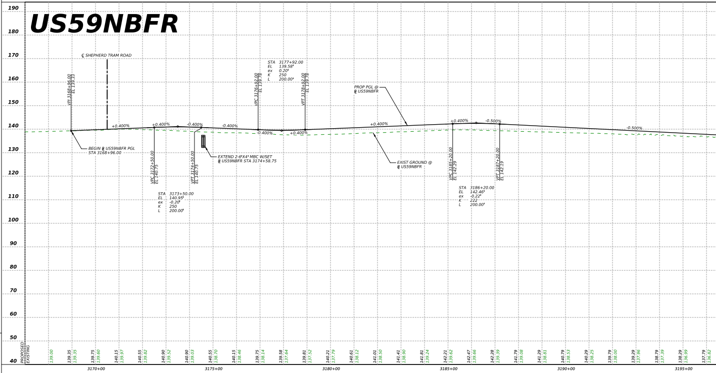
SCALE:1"=200'-H
SCALE:1"= 20'-V

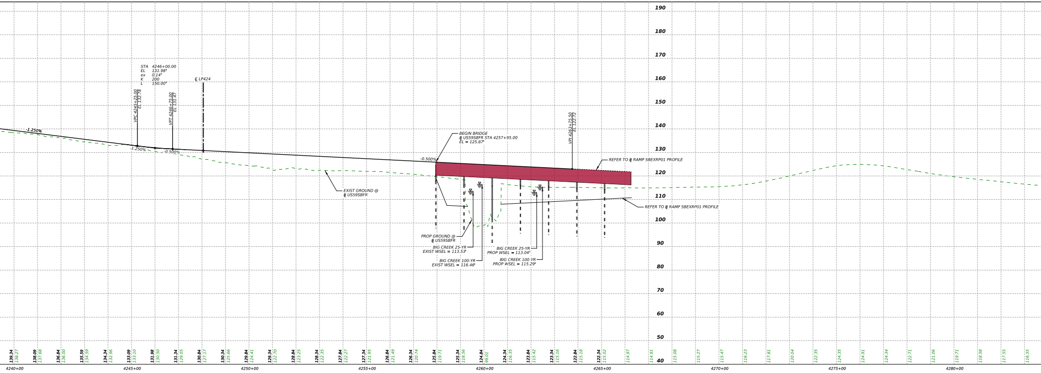

POLK AND SAN JACINTO

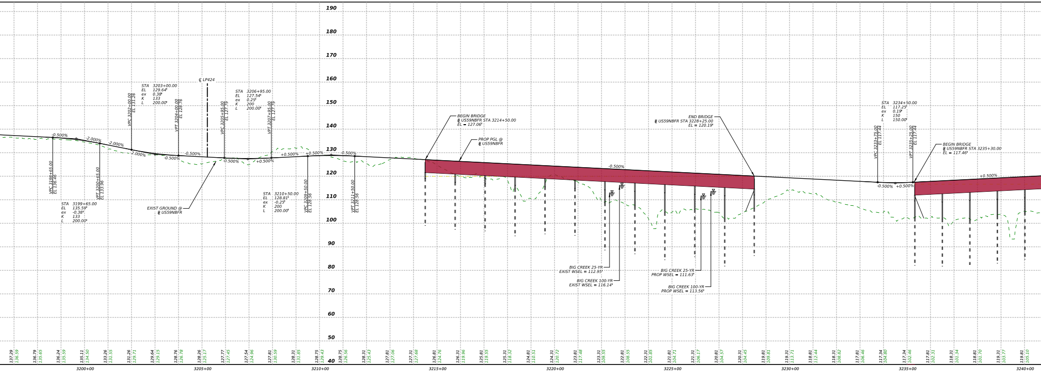
TEXAS COUNTY MAP (N.T.S.)

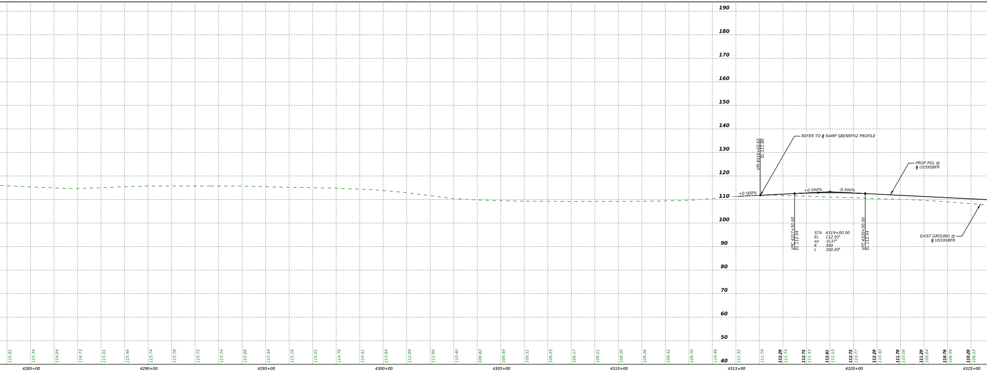
JMT
7300 STATE HWY 121, STE. 550
MCKINNEY, TEXAS 75070
P 972.569.9193 F 972.569.9197
TEXAS REGISTERED ENGINEERING FIRM NO. F-16341

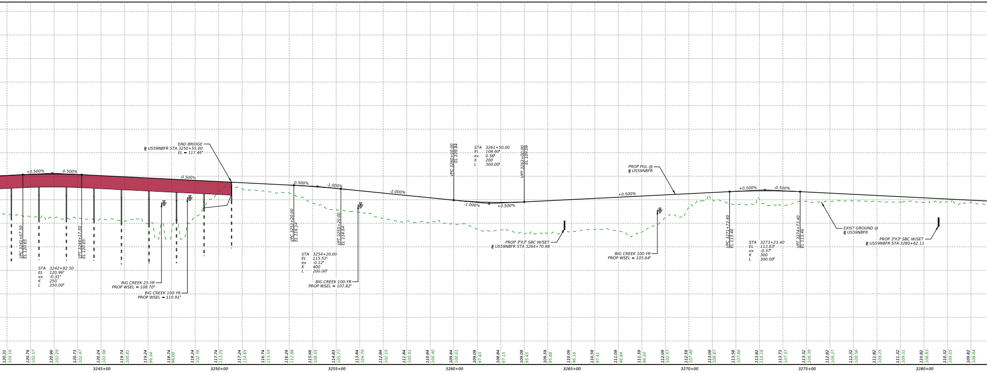

US59SBFR
190
180
170
160
150
140
130
120
110
100
90
80
70
60
50
40
VPI 4212+70.00
EL 142.63
BEGIN ℄ US59SBFR PGL
STA 4212+70.00
-0.400%
EXIST PGL @
℄ US59SBFR
EXTEND 2-6'X4' MBC W/SET
℄ US59SBFR STA 4217+13.19
VPC 4218+20.00
EL 140.43
STA 4219+70.00
EL 140.17'
ex 0.34'
K 333
L 300.00'
-0.400%
+0.500%
VPT 4221+20.00
EL 140.58
PROP GROUND @
℄ US59SBFR
+0.500%
VPC 4231+42.00
EL 145.69
+0.500%
-1.250%
STA 4233+92.00
EL 145.85'
ex -1.09'
K 286
L 500.00'
VPT 4236+42.00
EL 143.82
PROPOSED
EXISTING
143.19
142.95
142.63
142.51
142.48
142.11
142.14
141.71
141.62
141.31
141.17
140.91
141.12
140.51
141.69
140.21
141.64
140.20
141.03
140.49
141.37
140.98
140.94
141.48
140.89
141.98
141.27
142.48
141.31
142.98
141.44
143.48
141.52
143.98
140.85
144.48
141.48
144.98
141.87
145.48
142.25
145.92
142.02
146.04
142.24
145.82
141.01
145.24
140.67
144.31
140.59
143.09
139.99
141.84
139.37
140.59
139.05
4215+00
4220+00
4225+00
4230+00
4235+00


US59NBFR
190
180
170
160
150
140
130
120
110
100
90
80
70
60
50
40
℄ SHEPHERD TRAM ROAD
VPI 3168+96.00
EL 139.33
BEGIN ℄ US59NBFR PGL
STA 3168+96.00
+0.400%
+0.400%
-0.400%
VPC 3172+50.00
EL 140.75
VPT 3174+50.00
EL 140.75
STA 3173+50.00
EL 140.95'
ex -0.20'
K 250
L 200.00'
EXTEND 2-6'X4' MBC W/SET
℄ US59NBFR STA 3174+58.75
-0.400%
VPC 3176+92.00
EL 139.78
STA 3177+92.00
EL 139.58'
ex 0.20'
K 250
L 200.00'
-0.400%
+0.400%
VPT 3178+92.00
EL 139.78
PROP PGL @
℄ US59NBFR
+0.400%
EXIST GROUND @
℄ US59NBFR
+0.400%
-0.500%
VPC 3185+20.00
EL 142.29
VPT 3187+20.00
EL 142.19
STA 3186+20.00
EL 142.46'
ex -0.22'
K 222
L 200.00'
-0.500%
PROPOSED
EXISTING
139.00
139.35
139.35
139.75
139.60
140.15
139.97
140.55
139.82
140.90
139.52
140.90
139.03
140.55
138.70
140.15
138.46
139.75
138.14
139.58
137.64
139.81
137.52
140.21
137.79
140.61
138.12
141.01
138.50
141.41
138.90
141.81
139.24
142.21
139.62
142.47
139.66
142.28
139.39
141.79
139.08
141.29
138.81
140.79
138.53
140.29
138.25
139.79
138.00
139.29
137.96
138.79
137.39
138.29
136.99
137.79
136.82
3170+00
3175+00
3180+00
3185+00
3190+00
3195+00


190
180
170
160
150
140
130
120
110
100
90
80
70
60
50
40
STA 4246+00.00
EL 131.98'
ex 0.14'
K 200
L 150.00'
VPC 4245+25.00 EL 132.78
VPT 4246+75.00 EL 131.47
℄ LP424
-1.250%
-1.250%
-0.500%
-0.500%
BEGIN BRIDGE
℄ US59SBFR STA 4257+95.00
EL = 125.87'
VPI 4263+75.50 EL 122.72
REFER TO ℄ RAMP SBEXRP01 PROFILE
EXIST GROUND @ ℄ US59SBFR
REFER TO ℄ RAMP SBEXRP01 PROFILE
PROP GROUND @ ℄ US59SBFR
BIG CREEK 25-YR EXIST WSEL = 113.53'
BIG CREEK 100-YR EXIST WSEL = 116.46'
BIG CREEK 25-YR PROP WSEL = 113.04'
BIG CREEK 100-YR PROP WSEL = 115.29'
139.34 138.27
138.09 137.68
136.84 136.00
135.59 134.59
134.34 132.96
133.09 133.10
131.98 130.50
131.34 129.05
130.84 127.17
130.34 125.66
129.84 124.41
129.34 122.70
128.84 123.25
128.34 122.35
127.84 122.27
127.34 121.95
126.84 121.49
126.34 120.74
125.84 119.71
125.34 118.56
124.84 99.01
124.34 116.35
123.84 115.42
123.34 115.16
122.84 115.18
122.34 115.02
114.97
114.91
115.08
115.27
115.47
116.23
117.81
120.04
122.35
124.35
124.91
124.34
122.71
121.06
119.71
118.58
117.55
116.55
4240+00
4245+00
4250+00
4255+00
4260+00
4265+00
4270+00
4275+00
4280+00


190
180
170
160
150
140
130
120
110
100
90
80
70
60
50
40
℄ LP424
STA 3203+00.00
EL 129.64'
ex 0.38'
K 133
L 200.00'
STA 3206+95.00
EL 127.54'
ex 0.25'
K 200
L 200.00'
VPC 3202+00.00 EL 131.26
VPT 3204+00.00 EL 128.76
VPC 3205+95.00 EL 127.79
VPT 3207+95.00 EL 127.79
-0.500%
-2.000%
-2.000%
-2.000%
-0.500%
-0.500%
-0.500%
+0.500%
+0.500%
+0.500%
-0.500%
VPC 3198+65.00 EL 136.46
VPT 3200+65.00 EL 133.96
STA 3199+65.00
EL 135.59'
ex -0.38'
K 133
L 200.00'
EXIST GROUND @ ℄ US59NBFR
STA 3210+50.00
EL 128.81'
ex -0.25'
K 200
L 200.00'
VPC 3209+50.00 EL 128.56
VPT 3211+50.00 EL 128.56
BEGIN BRIDGE
℄ US59NBFR STA 3214+50.00
EL = 127.06'
PROP PGL @ ℄ US59NBFR
-0.500%
END BRIDGE
℄ US59NBFR STA 3228+25.00
EL = 120.19'
BIG CREEK 25-YR EXIST WSEL = 112.95'
BIG CREEK 100-YR EXIST WSEL = 116.14'
BIG CREEK 25-YR PROP WSEL = 111.63'
BIG CREEK 100-YR PROP WSEL = 113.56'
STA 3234+50.00
EL 117.25'
ex 0.19'
K 150
L 150.00'
VPC 3233+75.00 EL 117.44
VPT 3235+25.00 EL 117.44
-0.500%
+0.500%
BEGIN BRIDGE
℄ US59NBFR STA 3235+30.00
EL = 117.46'
+0.500%
137.29 136.59
136.79 135.65
136.24 135.59
135.11 134.50
133.26 131.55
131.26 129.71
129.64 129.15
128.76 126.78
128.26 125.17
127.77 127.45
127.54 124.96
127.81 130.59
128.31 131.85
128.75 129.43
128.75 126.56
128.31 125.43
127.81 127.06
127.31 127.68
126.81 124.76
126.31 119.96
125.81 119.55
125.31 118.32
124.81 110.51
124.31 120.72
123.81 117.48
123.31 109.55
122.81 108.55
122.31 101.85
121.81 104.71
121.31 106.17
120.81 104.57
120.31 104.45
119.81 109.81
119.31 113.71
118.81 112.44
118.31 108.82
117.81 106.46
117.34 104.80
117.34 102.46
117.81 102.31
118.31 101.34
118.81 101.70
119.31 103.77
119.81 105.10
3200+00
3205+00
3210+00
3215+00
3220+00
3225+00
3230+00
3235+00
3240+00


190
180
170
160
150
140
130
120
110
100
90
80
70
60
50
40
REFER TO ℄ RAMP SBENRP02 PROFILE
VPI 4316+03.63
EL 111.80
+0.500%
+0.500%
-0.500%
PROP PGL @
℄ US59SBFR
VPC 4317+50.00
EL 112.54
STA 4319+00.00
EL 112.91'
ex -0.37'
K 300
L 300.00'
VPT 4320+50.00
EL 112.54
EXIST GROUND @
℄ US59SBFR
115.81
115.34
114.94
114.73
115.01
115.46
115.74
115.78
115.75
115.74
115.68
115.44
115.16
115.01
114.79
114.41
113.84
112.89
111.66
110.40
109.82
109.49
109.31
109.25
109.17
109.21
109.20
109.26
109.42
109.70
110.48
111.32
111.79
112.29 111.74
112.75 111.43
112.91 111.03
112.75 110.77
112.29 110.40
111.79 110.06
111.29 109.64
110.79 108.99
110.29 108.23
4285+00
4290+00
4295+00
4300+00
4305+00
4310+00
4315+00
4320+00
4325+00


END BRIDGE
℄ US59NBFR STA 3250+55.00
EL = 117.46'
+0.500%
-0.500%
-0.500%
-0.500%
-1.000%
-1.000%
-1.000%
+0.500%
+0.500%
+0.500%
-0.500%
VPC 3241+67.50
EL 120.65
VPT 3244+17.50
EL 120.65
STA 3242+92.50
EL 120.96'
ex -0.31'
K 250
L 250.00'
BIG CREEK 25-YR
PROP WSEL = 108.70'
BIG CREEK 100-YR
PROP WSEL = 110.91'
VPC 3253+20.00
EL 116.14
VPT 3255+20.00
EL 114.64
STA 3254+20.00
EL 115.51'
ex -0.12'
K 400
L 200.00'
BIG CREEK 100-YR
PROP WSEL = 107.82'
VPC 3260+00.00
EL 109.84
STA 3261+50.00
EL 108.90'
ex 0.56'
K 200
L 300.00'
VPT 3263+00.00
EL 109.09
PROP 3'X3' SBC W/SET
℄ US59NBFR STA 3264+70.98
PROP PGL @
℄ US59NBFR
BIG CREEK 100-YR
PROP WSEL = 105.64'
VPC 3271+73.40
EL 113.46
STA 3273+23.40
EL 113.83'
ex -0.37'
K 300
L 300.00'
VPT 3274+73.40
EL 113.46
EXIST GROUND @
℄ US59NBFR
PROP 3'X3' SBC W/SET
℄ US59NBFR STA 3280+62.11
120.31 104.16
120.79 102.57
120.96 102.29
120.73 102.47
120.24 101.98
119.74 100.81
119.24 99.94
118.74 96.00
118.24 102.56
117.74 113.25
117.24 114.65
116.74 113.55
116.24 112.88
115.66 108.55
114.83 105.77
113.84 104.70
112.84 102.15
111.84 100.91
110.84 100.40
109.84 100.01
109.09 97.43
108.84 97.15
109.09 95.45
109.59 95.88
110.09 96.16
110.59 97.41
111.09 96.84
111.59 96.30
112.09 102.57
112.59 107.40
113.09 109.67
113.58 107.86
113.82 110.16
113.73 107.37
113.32 109.39
112.82 109.27
112.32 109.56
111.82 109.25
111.32 109.01
110.82 108.83
110.32 109.05
109.82 108.84
3245+00
3250+00
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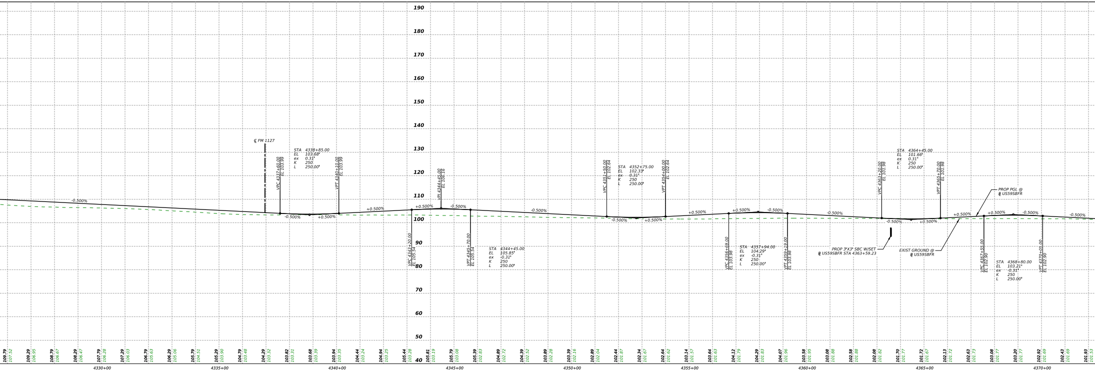
3270+00
3275+00
3280+00


190
180
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130
120
110
100
90
80
70
60
50
40
℄ FM 1127
-0.500%
VPC 4337+60.00
EL 103.99
STA 4338+85.00
EL 103.68'
ex 0.31'
K 250
L 250.00'
-0.500%
+0.500%
VPT 4340+10.00
EL 103.99
+0.500%
VPC 4343+20.00
EL 105.54
+0.500%
VPI 4344+45.00
EL 106.16
-0.500%
VPT 4345+70.00
EL 105.54
STA 4344+45.00
EL 105.85'
ex -0.31'
K 250
L 250.00'
-0.500%
VPC 4351+50.00
EL 102.64
STA 4352+75.00
EL 102.33'
ex 0.31'
K 250
L 250.00'
-0.500%
+0.500%
VPT 4354+00.00
EL 102.64
+0.500%
VPC 4356+69.00
EL 103.98
+0.500%
STA 4357+94.00
EL 104.29'
ex -0.31'
K 250
L 250.00'
-0.500%
VPT 4359+19.00
EL 103.98
-0.500%
PROP 3'X3' SBC W/SET
℄ US59SBFR STA 4363+59.23
VPC 4363+20.00
EL 101.98
STA 4364+45.00
EL 101.66'
ex 0.31'
K 250
L 250.00'
-0.500%
+0.500%
VPT 4365+70.00
EL 101.98
EXIST GROUND @
℄ US59SBFR
+0.500%
PROP PGL @
℄ US59SBFR
VPC 4367+55.00
EL 102.90
+0.500%
STA 4368+80.00
EL 103.21'
ex -0.31'
K 250
L 250.00'
-0.500%
VPT 4370+05.00
EL 102.90
-0.500%
109.79 107.52
109.29 106.95
108.79 106.67
108.29 106.47
107.79 106.28
107.29 106.03
106.79 105.63
106.29 105.06
105.79 104.51
105.29 103.90
104.79 103.48
104.29 103.32
103.82 103.31
103.68 103.39
103.94 103.35
104.44 103.24
104.94 103.25
105.44 103.28
105.81 103.19
105.79 103.08
105.39 102.83
104.89 102.72
104.39 102.52
103.89 102.28
103.39 102.16
102.89 102.04
102.44 101.87
102.34 101.67
102.64 101.62
103.14 101.57
103.64 101.63
104.12 101.79
104.29 101.83
104.07 101.96
103.58 101.95
103.08 101.88
102.58 101.88
102.08 101.82
101.70 101.77
101.72 101.67
102.13 101.72
102.63 101.73
103.08 101.77
103.20 101.77
102.92 101.69
102.43 101.69
101.93 101.53
4330+00
4335+00
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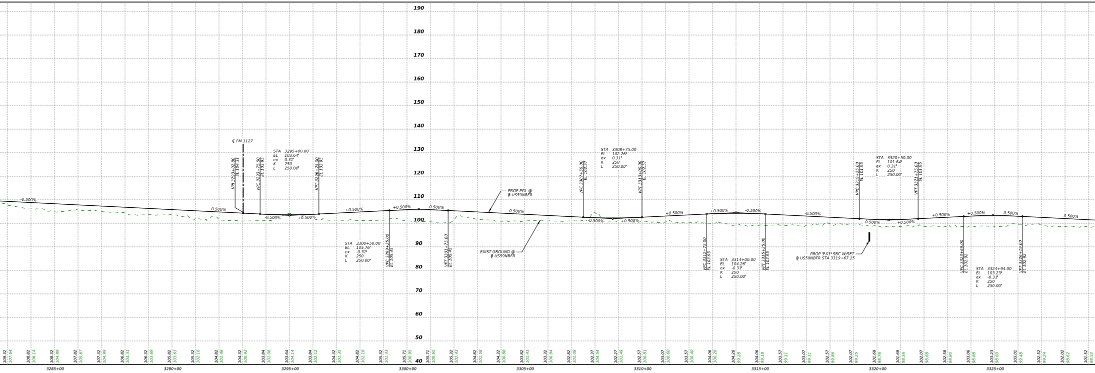
4350+00
4355+00
4360+00
4365+00
4370+00


190
180
170
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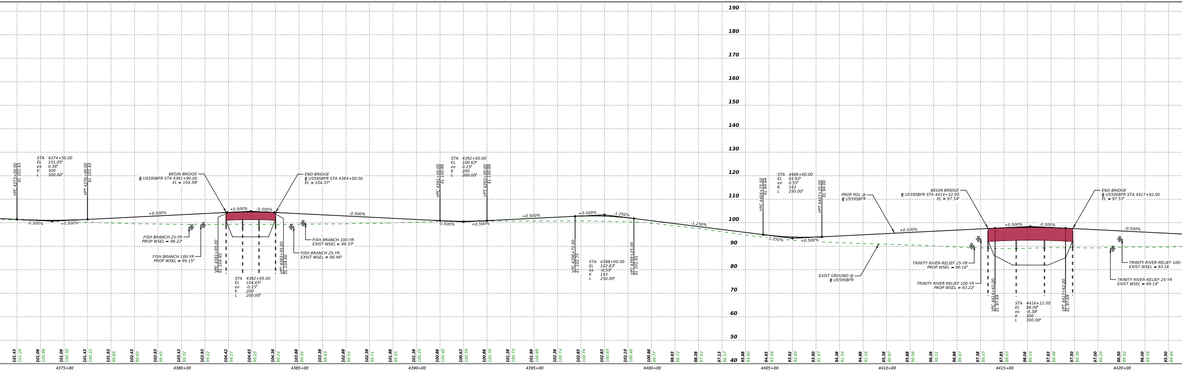
150
140
130
120
110
100
90
80
70
60
50
40
-0.500%
℄ FM 1127
VPI 3293+02.80
EL 104.31
-0.500%
VPC 3293+75.00
EL 103.95
STA 3295+00.00
EL 103.64'
ex 0.31'
K 250
L 250.00'
-0.500%
+0.500%
VPT 3296+25.00
EL 103.95
+0.500%
STA 3300+50.00
EL 105.76'
ex -0.31'
K 250
L 250.00'
VPC 3299+25.00
EL 105.45
+0.500%
-0.500%
VPT 3301+75.00
EL 105.45
PROP PGL @
℄ US59NBFR
EXIST GROUND @
℄ US59NBFR
-0.500%
VPC 3307+50.00
EL 102.57
STA 3308+75.00
EL 102.26'
ex 0.31'
K 250
L 250.00'
-0.500%
+0.500%
VPT 3310+00.00
EL 102.57
+0.500%
VPC 3312+75.00
EL 103.95
+0.500%
STA 3314+00.00
EL 104.26'
ex -0.31'
K 250
L 250.00'
-0.500%
VPT 3315+25.00
EL 103.95
-0.500%
PROP 3'X3' SBC W/SET
℄ US59NBFR STA 3319+67.15
VPC 3319+25.00
EL 101.95
STA 3320+50.00
EL 101.64'
ex 0.31'
K 250
L 250.00'
-0.500%
+0.500%
VPT 3321+75.00
EL 101.95
+0.500%
VPC 3323+69.00
EL 102.92
+0.500%
STA 3324+94.00
EL 103.23'
ex -0.31'
K 250
L 250.00'
-0.500%
VPT 3326+19.00
EL 102.92
-0.500%
109.32 107.64
108.82 106.14
108.32 104.89
107.82 105.67
107.32 104.99
106.82 104.31
106.32 103.69
105.82 103.63
105.32 102.16
104.82 101.46
104.32 100.92
103.84 101.06
103.64 104.14
103.84 102.12
104.32 101.35
104.82 101.16
105.32 101.33
105.71 100.95
105.71 100.65
105.32 101.43
104.82 101.58
104.32 100.88
103.82 101.41
103.32 100.94
102.82 101.08
102.37 104.54
102.27 101.49
102.57 100.81
103.07 100.60
103.57 100.40
104.06 100.26
104.26 99.28
104.06 99.18
103.57 99.11
103.07 99.11
102.57 99.86
102.07 99.25
101.69 98.76
101.69 98.56
102.07 98.68
102.58 98.80
103.06 98.88
103.23 98.60
103.01 99.48
102.52 99.24
102.02 98.62
101.52 98.52
3285+00
3290+00
3295+00
3300+00
3305+00
3310+00
3315+00
3320+00
3325+00


190
180
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120
110
100
90
80
70
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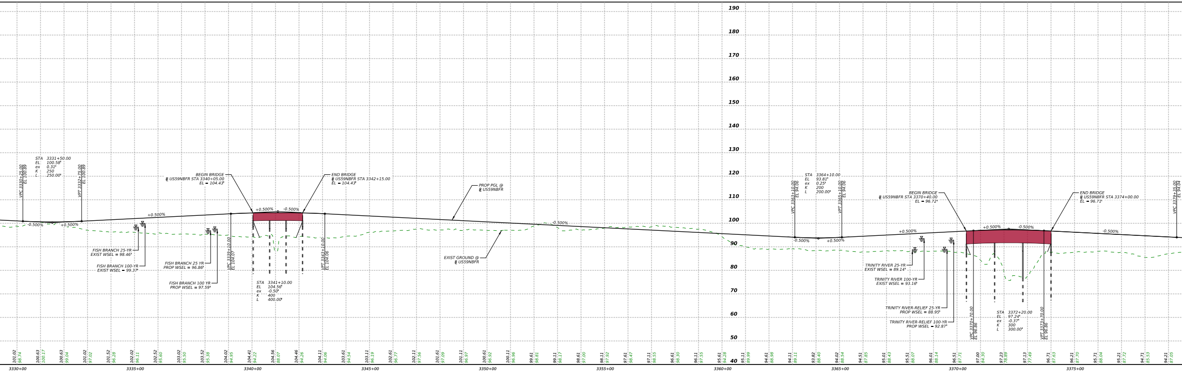
50
40
VPC 4373+00.00 EL 101.43
STA 4374+50.00
EL 101.05'
ex 0.38'
K 300
L 300.00'
VPT 4376+00.00 EL 101.43
-0.500%
+0.500%
+0.500%
BEGIN BRIDGE
℄ US59SBFR STA 4381+90.00
EL = 104.38'
END BRIDGE
℄ US59SBFR STA 4384+00.00
EL = 104.37'
+0.500%
-0.500%
-0.500%
FISH BRANCH 25-YR
PROP WSEL = 98.22'
FISH BRANCH 100-YR
PROP WSEL = 99.15'
FISH BRANCH 100-YR
EXIST WSEL = 99.37'
FISH BRANCH 25-YR
EXIST WSEL = 98.46'
VPC 4381+95.00 EL 104.40
VPT 4383+95.00 EL 104.40
STA 4382+95.00
EL 104.65'
ex -0.25'
K 200
L 200.00'
VPC 4391+00.00 EL 100.88
STA 4392+00.00
EL 100.63'
ex 0.25'
K 200
L 200.00'
VPT 4393+00.00 EL 100.88
-0.500%
+0.500%
+0.500%
+0.500%
-1.250%
VPC 4396+75.00 EL 102.75
STA 4398+00.00
EL 102.83'
ex -0.55'
K 143
L 250.00'
VPT 4399+25.00 EL 101.81
-1.250%
VPC 4404+75.00 EL 94.94
STA 4406+00.00
EL 93.92'
ex 0.55'
K 143
L 250.00'
VPT 4407+25.00 EL 94.00
-1.250%
+0.500%
PROP PGL @
℄ US59SBFR
EXIST GROUND @
℄ US59SBFR
+0.500%
BEGIN BRIDGE
℄ US59SBFR STA 4414+32.00
EL = 97.54'
END BRIDGE
℄ US59SBFR STA 4417+92.00
EL = 97.53'
+0.500%
-0.500%
-0.500%
TRINITY RIVER-RELIEF 25-YR
PROP WSEL = 90.16'
TRINITY RIVER-RELIEF 100-YR
PROP WSEL = 93.22'
TRINITY RIVER-RELIEF 100-
EXIST WSEL = 93.16
TRINITY RIVER-RELIEF 25-YR
EXIST WSEL = 89.14'
VPC 4414+62.00 EL 97.69
STA 4416+12.00
EL 98.06'
ex -0.38'
K 300
L 300.00'
VPT 4417+62.00 EL 97.69
101.43 101.20
101.09 100.88
101.09 100.50
101.43 100.22
101.93 99.89
102.43 99.60
102.93 99.45
103.43 99.32
103.93 99.22
104.42 99.27
104.65 99.23
104.38 99.24
103.88 99.34
103.38 99.43
102.88 99.55
102.38 99.71
101.88 99.95
101.38 100.25
100.88 100.40
100.63 100.59
100.88 100.70
101.38 100.73
101.88 100.68
102.38 100.74
102.85 100.74
102.83 100.65
102.10 100.46
100.88 99.77
99.63 98.72
98.38 97.52
97.13 96.17
95.88 94.80
94.65 93.58
93.92 92.60
93.90 91.97
94.38 91.54
94.88 91.16
95.38 90.87
95.88 90.56
96.38 90.11
96.88 89.67
97.38 89.33
97.85 89.03
98.06 89.14
97.93 89.48
97.50 89.39
97.00 89.29
96.50 89.52
96.00 89.58
95.50 89.66
4375+00
4380+00
4385+00
4390+00
4395+00
4400+00
4405+00
4410+00
4415+00
4420+00


190
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50
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VPC 3330+25.00 EL 100.89
STA 3331+50.00
EL 100.58'
ex 0.31'
K 250
L 250.00'
VPT 3332+75.00 EL 100.89
-0.500%
+0.500%
+0.500%
FISH BRANCH 25-YR
EXIST WSEL = 98.46'
FISH BRANCH 100-YR
EXIST WSEL = 99.37'
FISH BRANCH 25 YR
PROP WSEL = 96.86'
FISH BRANCH 100 YR
PROP WSEL = 97.59'
BEGIN BRIDGE
℄ US59NBFR STA 3340+05.00
EL = 104.43'
END BRIDGE
℄ US59NBFR STA 3342+15.00
EL = 104.43'
+0.500%
-0.500%
VPC 3339+10.00 EL 104.07
VPT 3343+10.00 EL 104.06
STA 3341+10.00
EL 104.56'
ex -0.50'
K 400
L 400.00'
PROP PGL @
℄ US59NBFR
EXIST GROUND @
℄ US59NBFR
-0.500%
VPC 3363+10.00 EL 94.06
STA 3364+10.00
EL 93.81'
ex 0.25'
K 200
L 200.00'
VPT 3365+10.00 EL 94.06
-0.500%
+0.500%
+0.500%
BEGIN BRIDGE
℄ US59NBFR STA 3370+40.00
EL = 96.72'
END BRIDGE
℄ US59NBFR STA 3374+00.00
EL = 96.71'
+0.500%
-0.500%
-0.500%
TRINITY RIVER 25-YR
EXIST WSEL = 89.14'
TRINITY RIVER 100-YR
EXIST WSEL = 93.16'
TRINITY RIVER-RELIEF 25-YR
PROP WSEL = 88.95'
TRINITY RIVER-RELIEF 100-YR
PROP WSEL = 92.87'
VPC 3370+70.00 EL 96.86
STA 3372+20.00
EL 97.24'
ex -0.37'
K 300
L 300.00'
VPT 3373+70.00 EL 96.86
VPC 3379+35.00 EL 94.04
101.02 98.74
100.63 100.17
100.63 99.04
101.02 97.02
101.52 96.28
102.02 96.11
102.52 95.60
103.02 95.50
103.52 95.38
104.02 94.95
104.41 94.22
104.56 88.07
104.46 94.26
104.11 94.06
103.61 94.54
103.11 96.19
102.61 96.77
102.11 97.56
101.61 97.09
101.11 96.97
100.61 96.92
100.11 96.96
99.61 98.81
99.11 98.17
98.61 97.00
98.11 97.92
97.61 98.47
97.11 98.55
96.61 98.30
96.11 97.55
95.61 94.28
95.11 89.99
94.61 88.98
94.11 89.11
93.82 88.40
94.02 88.54
94.51 87.85
95.01 88.43
95.51 88.07
96.01 88.14
96.51 87.71
97.00 84.30
97.23 78.89
97.13 77.49
96.71 87.63
96.21 87.70
95.71 88.04
95.21 87.72
94.71 85.53
94.21 87.05
3330+00
3335+00
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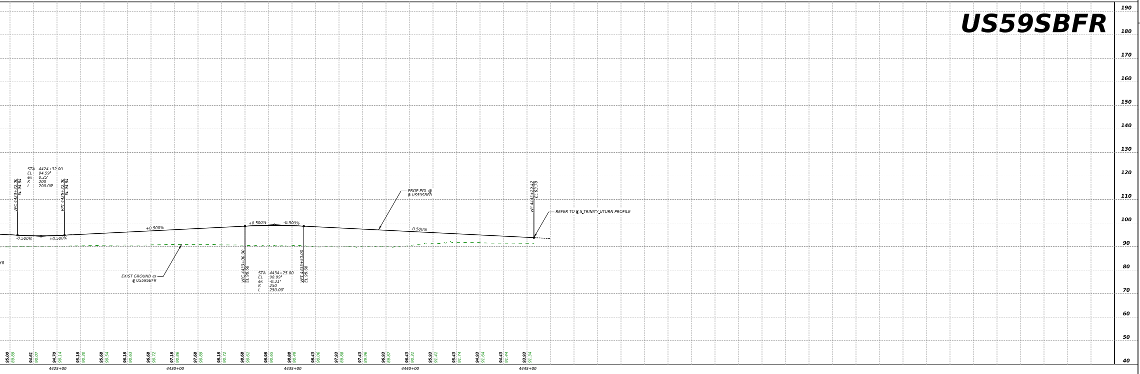
3370+00
3375+00

US59SBFR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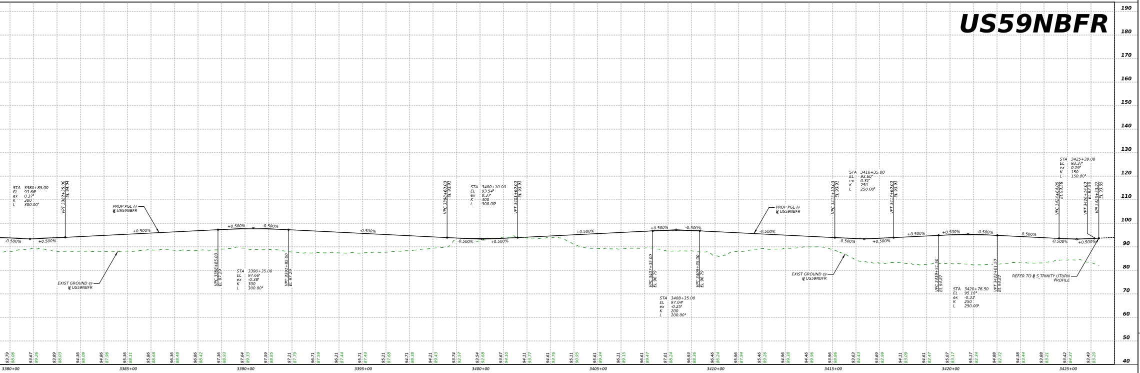
100
90
80
70
60
50
40
STA 4424+32.00
EL 94.59'
ex 0.25'
K 200
L 200.00'
VPC 4423+32.00 EL 94.84
VPT 4425+32.00 EL 94.84
-0.500%
+0.500%
+0.500%
+0.500%
-0.500%
-0.500%
PROP PGL @ ℄ US59SBFR
VPI 4445+29.42 EL 93.78
REFER TO ℄ S_TRINITY_UTURN PROFILE
YR
EXIST GROUND @ ℄ US59SBFR
VPC 4433+00.00 EL 98.68
VPT 4435+50.00 EL 98.68
STA 4434+25.00
EL 98.99'
ex -0.31'
K 250
L 250.00'
95.00 89.89
94.61 90.07
94.70 90.14
95.18 90.30
95.68 90.54
96.18 90.63
96.68 90.72
97.18 90.86
97.68 90.89
98.18 90.72
98.68 90.61
98.98 90.65
98.88 90.49
98.43 90.06
97.93 89.88
97.43 89.96
96.93 89.87
96.43 90.31
95.93 91.41
95.43 91.74
94.93 91.64
94.43 91.44
93.93 91.34
4425+00
4430+00
4435+00
4440+00
4445+00

US59NBFR


190
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110
100
90
80
70
60
50
40
STA 3380+85.00
EL 93.66'
ex 0.37'
K 300
L 300.00'
VPT 3382+35.00 EL 94.04
PROP PGL @ ℄ US59NBFR
-0.500%
+0.500%
+0.500%
+0.500%
-0.500%
-0.500%
-0.500%
+0.500%
+0.500%
EXIST GROUND @ ℄ US59NBFR
VPC 3388+85.00 EL 97.29
VPT 3391+85.00 EL 97.29
STA 3390+35.00
EL 97.66'
ex -0.38'
K 300
L 300.00'
VPC 3398+60.00 EL 93.91
STA 3400+10.00
EL 93.54'
ex 0.37'
K 300
L 300.00'
VPT 3401+60.00 EL 93.91
+0.500%
-0.500%
VPC 3407+35.00 EL 96.79
VPT 3409+35.00 EL 96.79
STA 3408+35.00
EL 97.04'
ex -0.25'
K 200
L 200.00'
PROP PGL @ ℄ US59NBFR
-0.500%
EXIST GROUND @ ℄ US59NBFR
VPC 3415+10.00 EL 93.91
STA 3416+35.00
EL 93.60'
ex 0.31'
K 250
L 250.00'
VPT 3417+60.00 EL 93.91
-0.500%
+0.500%
+0.500%
+0.500%
-0.500%
VPC 3419+51.50 EL 94.87
STA 3420+76.50
EL 95.18'
ex -0.31'
K 250
L 250.00'
VPT 3422+01.50 EL 94.87
-0.500%
STA 3425+39.00
EL 93.37'
ex 0.19'
K 150
L 150.00'
VPC 3424+64.00 EL 93.56
VPT 3426+14.00 EL 93.56
VPI 3426+33.27 EL 93.65
-0.500%
+0.500%
REFER TO ℄ S_TRINITY_UTURN PROFILE
93.79 88.06
93.67 89.26
93.89 88.03
94.36 88.09
94.86 87.96
95.36 88.11
95.86 88.68
96.36 88.48
96.86 88.42
97.36 88.93
97.64 89.33
97.59 88.85
97.21 87.79
96.71 87.59
96.21 87.44
95.71 87.43
95.21 87.68
94.71 88.38
94.21 89.43
93.74 92.57
93.54 92.68
93.67 94.10
94.11 93.77
94.61 93.76
95.11 90.95
95.61 89.34
96.11 89.15
96.61 89.47
97.01 88.24
96.93 88.36
96.46 86.24
95.96 87.94
95.46 89.26
94.96 89.38
94.46 89.96
93.96 88.86
93.63 84.43
93.69 82.99
94.11 83.09
94.61 82.47
95.07 83.17
95.17 82.34
94.88 82.72
94.38 83.44
93.88 83.21
93.42 84.37
93.49 83.20
3380+00
3385+00
3390+00
3395+00
3400+00
3405+00
3410+00
3415+00
3420+00
3425+00

Texas Department of Transportation

DESIGN SCHEMATIC

KELLY O. MORRIS, P.E.
LUFKIN DISTRICT ENGINEER

ROLL 3 OF 4

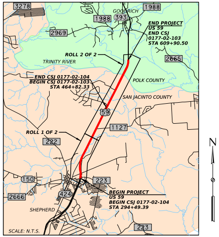
DATE:	STATE DISTRICT	COUNTY	CONTROL NO.	SEC NO.	JOB NO.
12/12/2024	LUFKIN	SAN JACINTO, POLK	0177	02	103, 104

TERRAIN: ROLLING
LIMITS: 0.74 MI. S. OF FM 223 TO 0.70 MI N. OF THE TRINITY RIVER
E MAX: 6%
EXIST ADT: 31,454
PROJ. ADT: 60,392

ROADWAY	FUNCTIONAL CLASSIFICATION	DESIGN SPEEDS
US 59 MAINLANES	RURAL FRWY. PRINCIPAL ARTERIAL	75 MPH
FRONTAGE ROADS	RURAL MAJOR COLLECTOR	50 MPH
RAMPS	RURAL RAMPS	65 MPH
FM 1127	RURAL MAJOR COLLECTOR	40 MPH
SL 424/LAKE POOL RD	RURAL LOCAL	30 MPH
LOCAL ROADS	RURAL LOCAL	30 MPH

PROJECT LOCATION MAP

POLK AND SAN JACINTO COUNTY


3278
1988
GOODRICH
393
1988
2969
END PROJECT
US 59
END CSJ
0177-02-103
STA 609+90.50
ROLL 2 OF 2
2665
TRINITY RIVER
END CSJ 0177-02-104
BEGIN CSJ 0177-02-103
STA 464+82.33
POLK COUNTY
SAN JACINTO COUNTY
59
1127
ROLL 1 OF 2
222
N
150
223
424
BEGIN PROJECT
US 59
BEGIN CSJ 0177-02-104
STA 294+49.39
2666
SHEPHERD
223
SCALE: N.T.S.

PROJECT LENGTH	FEDERAL AID PROJECT NO.	FED. RD. DIV. NO.	HIGHWAY NUMBER
5.90 MILES	XX, XXXXX	6	US 59

PRELIMINARY
SUBJECT TO REVISIONS

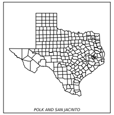
SCHEMATIC PREPARED BY:

NAME	P.E. NUMBER
TREVOR CASTILLA	85405

12/12/2024
DATE

NOT INTENDED FOR CONSTRUCTION, BIDDING, OR PERMIT PURPOSES

SCALE:1"=200'-H
SCALE:1"= 20'-V


POLK AND SAN JACINTO

TEXAS COUNTY MAP (N.T.S.)

JMT
7300 STATE HWY 121, STE. 550
MCKINNEY, TEXAS 75070
P 972.569.9193 F 972.569.9197
TEXAS REGISTERED ENGINEERING FIRM NO. F-16341