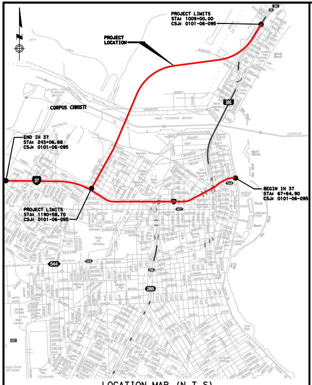
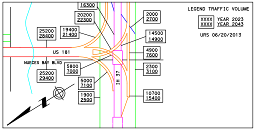

PROJECT LIMITS
STA: 1009+00.00
CSJ: 0101-06-095
PROJECT LOCATION
CORPUS CHRISTI
END IH 37
STA: 243+06.68
CSJ: 0101-06-095
BEGIN IH 37
STA: 67+64.90
CSJ: 0101-06-095
PROJECT LIMITS
STA: 1190+58.70
CSJ: 0101-06-095
37
181
544
286

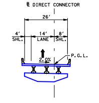
LOCATION MAP (N.T.S)
PROJECT LENGTH: 3.44 MILES

LEGEND:

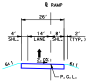
—— – –	EXISTING R.O.W.
—— – –	PROPOSED R.O.W.
➡	DIRECTION OF TRAFFIC
——	EXISTING PROPERTY LINE
——	PAVEMENT EDGE
▨	PAVEMENT TO BE REMOVED
—— – –	PROPOSED BASELINE
🟥	PROPOSED US 181/SH 286 MAINLANES
🟨	PROPOSED IH 37 MAINLANES
🟧	DIRECT CONNECTOR
🟦	PROPOSED RAMP
🟩	PROPOSED FRONTAGE ROAD
🟪	PROPOSED CROSS AND LOCAL STREET


16300
20200
22300
25200
28400
19400
21400
US 181
NUECES BAY BLVD
25200
29400
5800
7000
5000
7100
1900
2500
IH 37
2000
2700
14500
14900
4900
7600
2300
3100
10700
15400
LEGEND TRAFFIC VOLUME
XXXX YEAR 2023
XXXX YEAR 2043
URS 06/20/2013

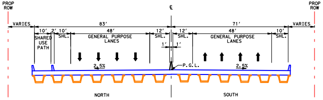
TRAFFIC DIAGRAM


℄ DIRECT CONNECTOR
26'
4' SHL.
14' LANE
8' SHL.
2.0%
P.G.L.

ONE LANE DIRECT CONNECTOR

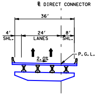

℄ RAMP
26'
4' SHL.
14' LANE
8' SHL.
2' (TYP.)
6:1
2.0%
6:1
P.G.L.

ONE LANE RAMP

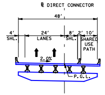

PROP ROW
℄
PROP ROW
VARIES
83'
71'
VARIES
10' SHARED USE PATH
2'
10' SHL.
48' GENERAL PURPOSE LANES
12' SHL.
1' 1'
12' SHL.
48' GENERAL PURPOSE LANES
10' SHL.
2.5%
P.G.L.
2.5%
NORTH
SOUTH

US 181

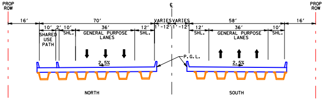
BRIDGE APPROACH
STA 1162+13.83 TO STA 1191+58.99


℄ DIRECT CONNECTOR
36'
4' SHL.
24' LANES
8' SHL.
2.0%
P.G.L.

TWO LANE DIRECT CONNECTOR

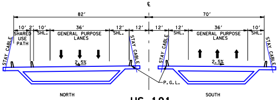

℄ DIRECT CONNECTOR
48'
4' SHL.
24' LANES
8' SHL.
2'
10' SHARED USE PATH
2.0%
P.G.L.

TWO LANE DIRECT CONNECTOR WITH BIKE PATH


PROP ROW
℄
PROP ROW
16'
70'
VARIES
VARIES
58'
16'
10' SHARED USE PATH
2'
10' SHL.
36' GENERAL PURPOSE LANES
12' SHL.
1' -12' 1' -12'
12' SHL.
36' GENERAL PURPOSE LANES
10' SHL.
2.5%
P.G.L.
2.5%
NORTH
SOUTH

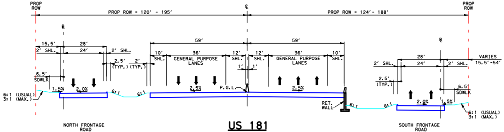
US 181

BRIDGE APPROACH
STA 1032+80.49 TO STA 1139+43.83
STA 1154+43.83 TO STA 1162+13.83


℄
82'
70'
10' SHARED USE PATH
2'
10' SHL.
36' GENERAL PURPOSE LANES
12' SHL.
12'
12'
12' SHL.
36' GENERAL PURPOSE LANES
10' SHL.
STAY CABLE
STAY CABLE
STAY CABLE
STAY CABLE
2.5%
2.5%
P.G.L.
NORTH
SOUTH

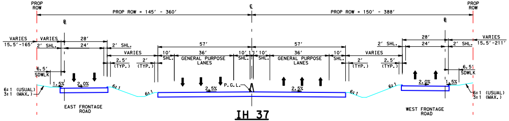
US 181

MAIN SPAN BRIDGE
STA 1139+43.83 TO STA 1154+43.83


PROP ROW
PROP ROW = 120' - 195'
℄
PROP ROW = 124' - 188'
PROP ROW
℄
15.5'
28'
2' SHL.
24'
2' SHL.
2.5' (TYP.)
2' (TYP.)
6.5' SDWLK
1.5%
2.0%
6:1 (USUAL)
3:1 (MAX.)
6:1
6:1
59'
59'
10' SHL.
36' GENERAL PURPOSE LANES
12' SHL.
1' 1'
12' SHL.
36' GENERAL PURPOSE LANES
10' SHL.
2.5%
P.G.L.
2.5%
RET. WALL
6:1
℄
28'
2' SHL.
24'
2' SHL.
VARIES 15.5'-54'
2.5' (TYP.)
6.5' SDWLK
2.0%
1.5%
6:1 (USUAL)
3:1 (MAX.)
NORTH FRONTAGE ROAD
SOUTH FRONTAGE ROAD

US 181

MAIN LANES AND FRONTAGE ROADS
STA 1009+00.00 TO STA 1132+80.49


PROP ROW
PROP ROW = 145' - 360'
℄
PROP ROW = 150' - 388'
PROP ROW
℄
VARIES 15.5'-165'
VARIES
28'
2' SHL.
24'
2' SHL.
VARIES
2.5' (TYP.)
2' (TYP.)
6.5' SDWLK
1.5%
2.0%
6:1 (USUAL)
3:1 (MAX.)
6:1
6:1
57'
57'
10' SHL.
36' GENERAL PURPOSE LANES
10' SHL.
1' 1'
10' SHL.
36' GENERAL PURPOSE LANES
10' SHL.
2.5%
P.G.L.
2.5%
6:1
VARIES
2' (TYP.)
2.5' (TYP.)
℄
28'
2' SHL.
24'
2' SHL.
VARIES 15.5'-211'
6.5' SDWLK
2.0%
1.5%
6:1 (USUAL)
3:1 (MAX.)
EAST FRONTAGE ROAD
WEST FRONTAGE ROAD

IH 37

MAIN LANES AND FRONTAGE ROADS
STA 79+00.00 TO STA 230+00.00

PROPOSED TYPICAL SECTIONS

PRELIMINARY
SUBJECT TO CHANGE

Texas Department of Transportation

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CORPUS CHRISTI DISTRICT,
LONNIE GREGORCYK, P.E., DISTRICT ENGINEER

DESIGN SCHEMATIC
US 181/IH 37 - HARBOR BRIDGE
NUECES COUNTY

US 181/SH 286 FROM BEACH AVE TO IH 37
IH 37 FROM SHORELINE BLVD TO UP RIVER RD
CSJ'S : 0101-06-095

WEST ALTERNATIVE
US 181/SH 286 MAIN LANES

ROLL 2 OF 8

DESIGN SPEED:
FREEWAY = 70 mph
RAMPS = 50 mph
DIRECT CONNECTORS = 50 mph
FRONTAGE ROADS = 45 mph
CROSS STREETS = 40 mph

0 50 100 200
HORIZ SCALE IN FEET

AUGUST, 2013

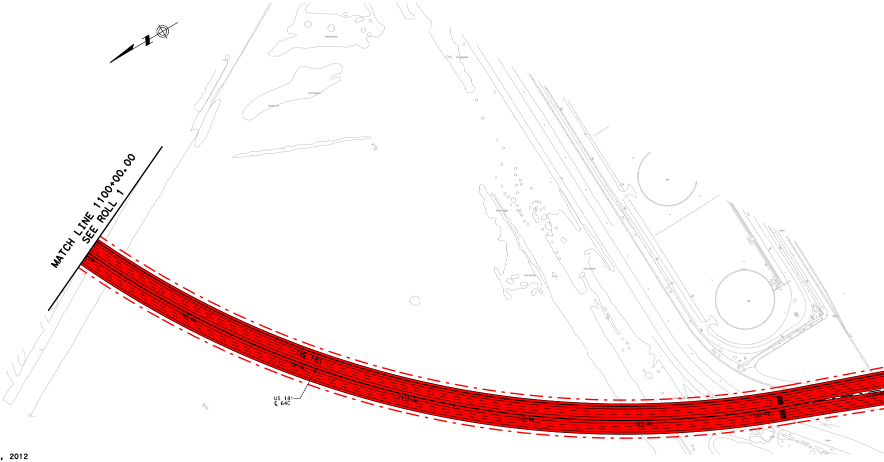
0 5 10 20
VERT SCALE IN FEET

PREPARED BY URS CORPORATION TBPE REGISTRATION NUMBER 3162:
FOR INTERIM REVIEW ONLY. NOT FOR PERMITTING, BIDDING OR CONSTRUCTION.

Prepared by or under the Direct Supervision of:

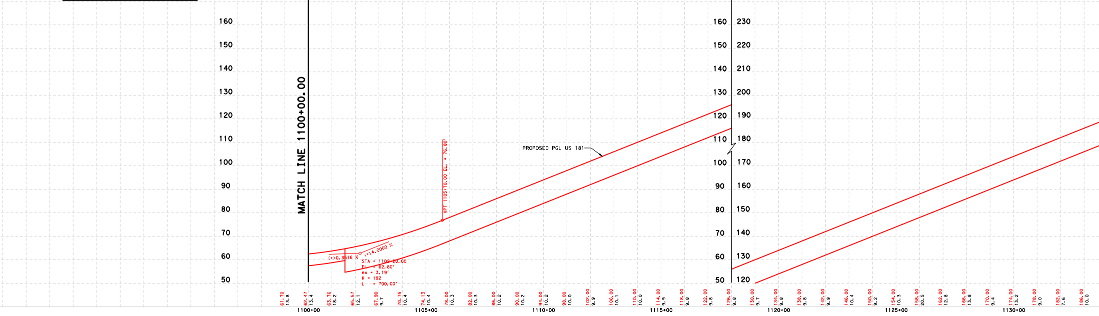
NAME	P.E. NUMBER	NAME	P.E. NUMBER	NAME	P.E. NUMBER
CHARLES BENNETT	68613				

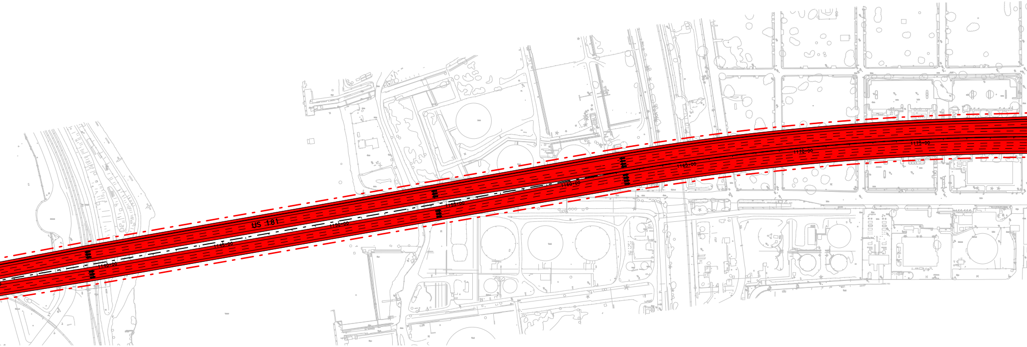
URS
1950 NORTH STEMMONS FREEWAY
SUITE 6000
DALLAS, TEXAS 75207
214-741-7777

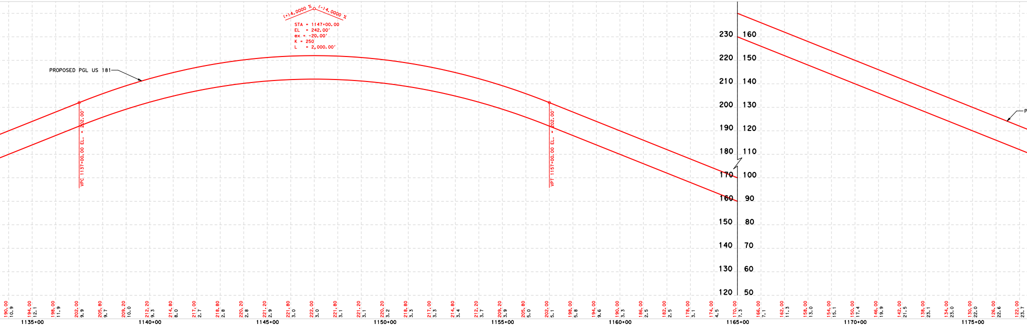

MATCH LINE 1100+00.00
SEE ROLL 1
US 181
US 181
℄ 64C
1105+00
1110+00
1115+00
1120+00
1125+00
1130+00

TOPOGRAPHIC MAPPING PROVIDED BY TXDOT JUN, 2012

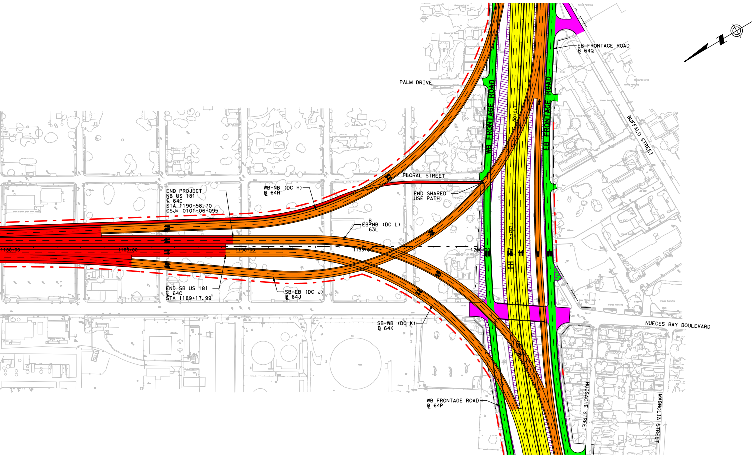
64C - US 181/SH 286 MAINLANES

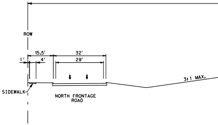

MATCH LINE 1100+00.00
160
150
140
130
120
110
100
90
80
70
60
50
160 230
150 220
140 210
130 200
120 190
110 180
100 170
90 160
80 150
70 140
60 130
50 120
PROPOSED PGL US 181
VPT 1105+70.00 EL. = 76.80'
(+)0.3516 %
(+)4.0000 %
STA = 1102+20.00
EL = 62.80'
ex = 3.19'
K = 192
L = 700.00'
61.70 13.8
62.47 13.4
63.76 18.2
65.57 12.1
67.90 9.7
70.75 10.4
74.13 10.4
78.00 10.3
82.00 10.3
86.00 10.2
90.00 10.2
94.00 10.2
98.00 10.0
102.00 9.9
106.00 10.1
110.00 10.0
114.00 9.9
118.00 9.8
122.00 9.8
126.00 9.8
130.00 9.7
134.00 9.8
138.00 9.8
142.00 9.9
146.00 10.4
150.00 9.2
154.00 10.3
158.00 20.5
162.00 12.8
166.00 13.8
170.00 9.4
174.00 13.2
178.00 9.0
182.00 7.6
186.00 10.0
1100+00
1105+00
1110+00
1115+00
1120+00
1125+00
1130+00

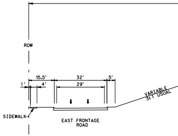

US 181
1140+00
1145+00
1150+00
1155+00
1160+00
1165+00
1170+00
1175+00

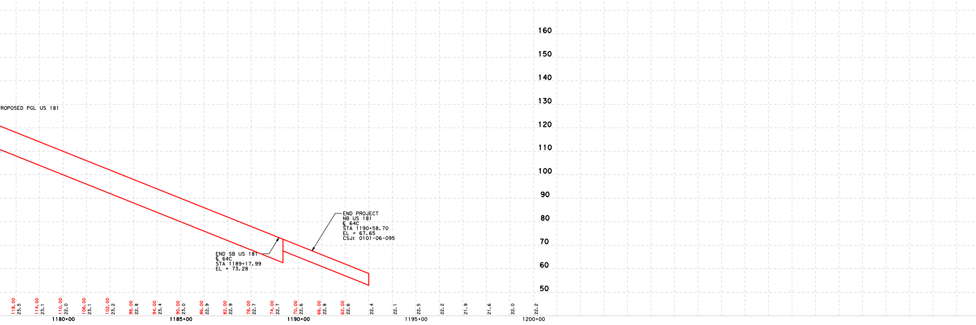

(+)4.0000 %
(-)4.0000 %
STA = 1147+00.00
EL = 242.00'
ex = -20.00'
K = 250
L = 2,000.00'
PROPOSED PGL US 181
VPC 1137+00.00 EL. = 202.00'
VPT 1157+00.00 EL. = 202.00'
230 160
220 150
210 140
200 130
190 120
180 110
170 100
160 90
150 80
140 70
130 60
120 50
190.00 10.9
194.00 12.1
198.00 11.9
202.00 9.9
205.80 9.7
209.20 10.0
212.20 9.3
214.80 8.0
217.00 2.7
218.80 2.8
220.20 2.8
221.20 2.9
221.80 3.0
222.00 3.0
221.80 3.1
221.20 3.1
220.20 3.2
218.80 3.3
217.00 3.3
214.80 3.4
212.20 3.7
209.20 3.9
205.80 5.0
202.00 5.1
198.00 5.8
194.00 9.6
190.00 3.3
186.00 2.5
182.00 2.5
178.00 3.1
174.00 4.5
170.00 7.3
166.00 7.1
162.00 11.3
158.00 13.0
154.00 15.1
150.00 17.4
146.00 19.9
142.00 21.5
138.00 23.1
134.00 23.0
130.00 22.0
126.00 22.6
122.00 23.7
1135+00
1140+00
1145+00
1150+00
1155+00
1160+00
1165+00
1170+00
1175+00
P

WES

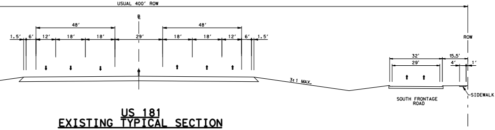

EB FRONTAGE ROAD
℄ 64Q
PALM DRIVE
WB FRONTAGE ROAD
EB FRONTAGE ROAD
BUFFALO STREET
FLORAL STREET
END PROJECT
NB US 181
℄ 64C
STA 1190+58.70
CSJ: 0101-06-095
WB-NB (DC H)
℄ 64H
END SHARED
USE PATH
℄
EB-NB (DC L)
63L
1180+00
1185+00
1190+00
1195+00
1200+00
IH 37
END SB US 181
℄ 64C
STA 1189+17.99
SB-EB (DC J)
℄ 64J
SB-WB (DC K)
℄ 64K
NUECES BAY BOULEVARD
WB FRONTAGE ROAD
℄ 64P
HUISACHE STREET
MAGNOLIA STREET


ROW
15.5'
32'
1'
4'
29'
3:1 MAX.
SIDEWALK
NORTH FRONTAGE
ROAD

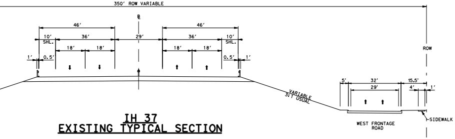

ROW
15.5'
32'
5'
1'
4'
29'
VARIABLE
3:1 USUAL
SIDEWALK
EAST FRONTAGE
ROAD



T ALTERNATIVE


USUAL 400' ROW
℄
48'
48'
1.5'
6'
12'
18'
18'
29'
18'
18'
12'
6'
1.5'
ROW
32'
29'
15.5'
4'
1'
3:1 MAX.
SOUTH FRONTAGE ROAD
SIDEWALK

US 181
EXISTING TYPICAL SECTION


350' ROW VARIABLE
℄
46'
46'
10' SHL.
36'
29'
36'
10' SHL.
18'
18'
18'
18'
1'
0.5'
0.5'
1'
ROW
5'
32'
29'
15.5'
4'
1'
VARIABLE
3:1 USUAL
WEST FRONTAGE ROAD
SIDEWALK

IH 37
EXISTING TYPICAL SECTION

PRELIMINARY
SUBJECT TO CHANGE

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CORPUS CHRISTI DISTRICT,
LONNIE GREGORCYK, P.E., DISTRICT ENGINEER

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US 181/IH 37 - HARBOR BRIDGE
NUECES COUNTY

US 181/SH 286 FROM BEACH AVE TO IH 37
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US 181/SH 286 MAIN LANES

ROLL 2 OF 8

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DIRECT CONNECTORS = 50 mph
FRONTAGE ROADS = 45 mph
CROSS STREETS = 40 mph

0 50 100 200
HORIZ SCALE IN FEET

AUGUST, 2013

0 5 10 20
VERT SCALE IN FEET

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Prepared by or under the Direct Supervision of:

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