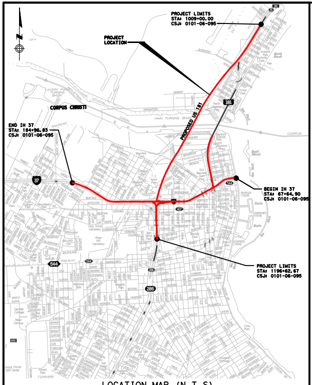

PROJECT LIMITS
STA: 1009+00.00
CSJ: 0101-06-095
PROJECT LOCATION
CORPUS CHRISTI
PROPOSED US 181
END IH 37
STA: 184+96.83
CSJ: 0101-06-095
BEGIN IH 37
STA: 67+64.90
CSJ: 0101-06-095
PROJECT LIMITS
STA: 1196+62.67
CSJ: 0101-06-095

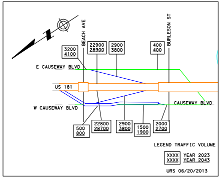
LOCATION MAP (N.T.S)

PROJECT LENGTH: 3.55 MILES

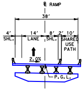
PRELIMINARY
SUBJECT TO CHANGE

LEGEND:

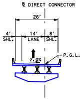
— – –	EXISTING R.O.W.
— – –	PROPOSED R.O.W.
➡	DIRECTION OF TRAFFIC
——	EXISTING PROPERTY LINE
——	PAVEMENT EDGE
▨	PAVEMENT TO BE REMOVED
— – –	PROPOSED BASELINE
🟥	PROPOSED US 181/SH 286 MAINLANES
🟨	PROPOSED IH 37 MAINLANES
🟧	DIRECT CONNECTOR
🟦	PROPOSED RAMP
🟩	PROPOSED FRONTAGE ROAD
🟪	PROPOSED CROSS AND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


BEACH AVE
BURLESON ST
3200
4100
22900
28900
2900
3800
400
400
E CAUSEWAY BLVD
US 181
W CAUSEWAY BLVD
CAUSEWAY BLVD
500
800
22800
28700
2900
3800
1500
1900
2000
2700
LEGEND TRAFFIC VOLUME
XXXX YEAR 2023
XXXX YEAR 2043
URS 06/20/2013

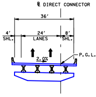
TRAFFIC DIAGRAM


℄ RAMP
38'
4' SHL.
14' LANE
8' SHL.
2'
10' SHARED USE PATH
2.0%
P.G.L.

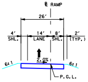
ONE LANE RAMP
WITH SHARED USE PATH


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

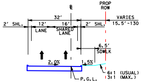
ONE LANE
DIRECT CONNECTOR


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

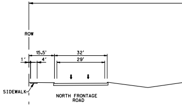
TWO LANE
DIRECT CONNECTOR

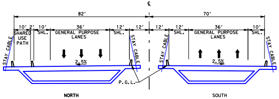

℄ RAMP
26'
4' SHL.
14' LANE
8' SHL.
2' (TYP.)
6:1
2.0%
6:1
P.G.L.

ONE LANE RAMP

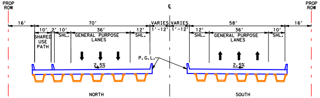

℄
PROP ROW
32'
2' SHL.
12' LANE
16' SHARED LANE
2' SHL.
VARIES 15.5'-130
6.5' SDWLK
2.0%
1.5%
6:1 (USUAL)
3:1 (MAX.)
P.G.L.

NB FRONTAGE ROAD
WITH SHARED LANE FROM
BURLESON ST TO BEACH AVE

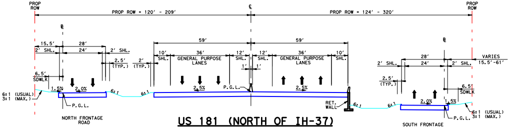

ROW
15.5'
32'
1'
4'
29'
SIDEWALK
NORTH FRONTAGE ROAD


℄
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 1089+87.00 TO STA 1105+02.00


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

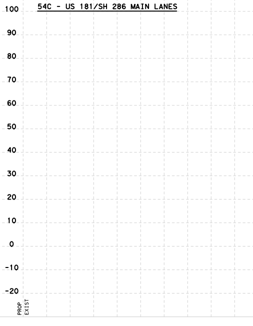
US 181
BRIDGE APPROACH
STA 1040+49.85 TO STA 1089+87.00
STA 1105+02.00 TO STA 1171+43.67


PROP ROW
PROP ROW = 120' - 209'
℄
PROP ROW = 124' - 320'
PROP ROW
℄
15.5'
28'
2' SHL.
24'
2' SHL.
2.5' (TYP.)
2' (TYP.)
6.5' SDWLK
1.5%
2.0%
6:1
6:1 (USUAL)
3:1 (MAX.)
P.G.L.
NORTH FRONTAGE ROAD
59'
59'
10' SHL.
36' GENERAL PURPOSE LANES
12' SHL.
12' SHL.
36' GENERAL PURPOSE LANES
10' SHL.
1'
1'
2.5%
P.G.L.
2.5%
RET. WALL
6:1
℄
28'
2' SHL.
24'
2' SHL.
VARIES 15.5'-61'
2.5' (TYP.)
6.5' SDWLK
6:1
2.0%
1.5%
6:1 (USUAL)
3:1 (MAX.)
P.G.L.
SOUTH FRONTAGE ROAD

US 181 (NORTH OF IH-37)
SH 286 (SOUTH OF IH-37)
MAIN LANES AND FRONTAGE ROADS
STA 1009+00.00 TO STA 1040+49.85
STA 1171+43.67 TO STA 1188+50.00

PROPOSED TYPICAL SECTIONS

TOPOGRAPHIC MAPPING PROVIDED BY TXDOT NOV, 2003



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 LAREDO ST
IH 37 FROM BUFFALO ST TO NUECES BAY BLVD
CSJ'S : 0101-06-095

RED ALTERNATIVE
US 181/SH 286 MAIN LANES

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

ROLL 1 OF 6

0 50 100 200
HORIZ SCALE IN FEET

AUGUST, 2013

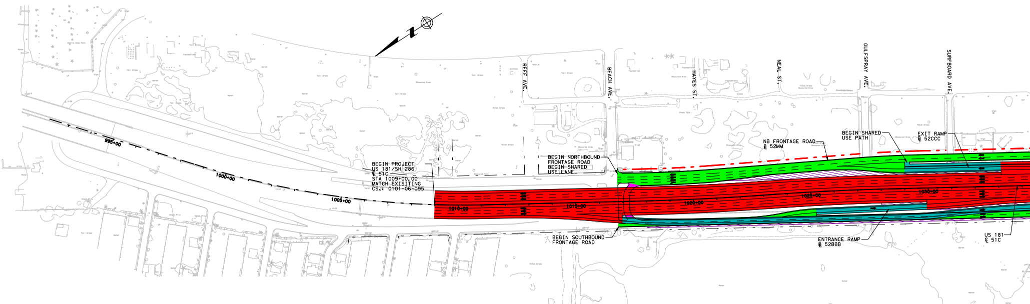
0 5 10 20
VERT SCALE IN FEET

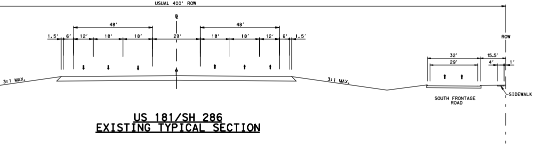
PREPARED BY URS CORPORATION TBPE REGISTRATION NUMBER 3162:
FOR INTERIM REVIEW ONLY. NOT FOR PERMITTING, BIDDING OR CONSTRUCTION.

Prepared by or under the Direct Supervision of:

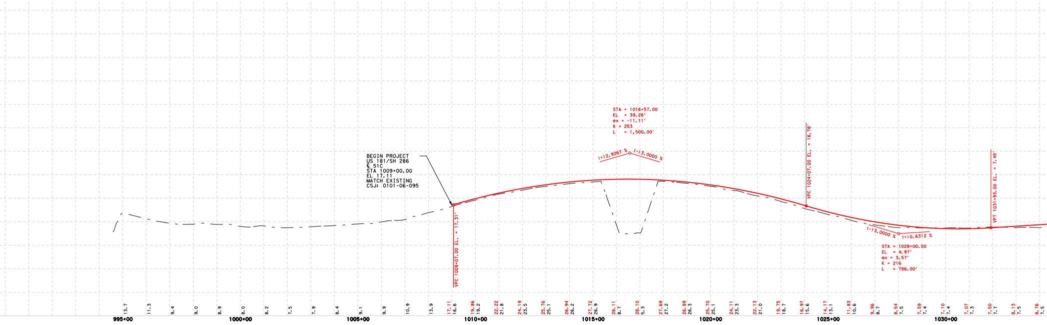
NAME	P.E. NUMBER	NAME	P.E. NUMBER	NAME	P.E. NUMBER
CHARLES BENNETT	68613				

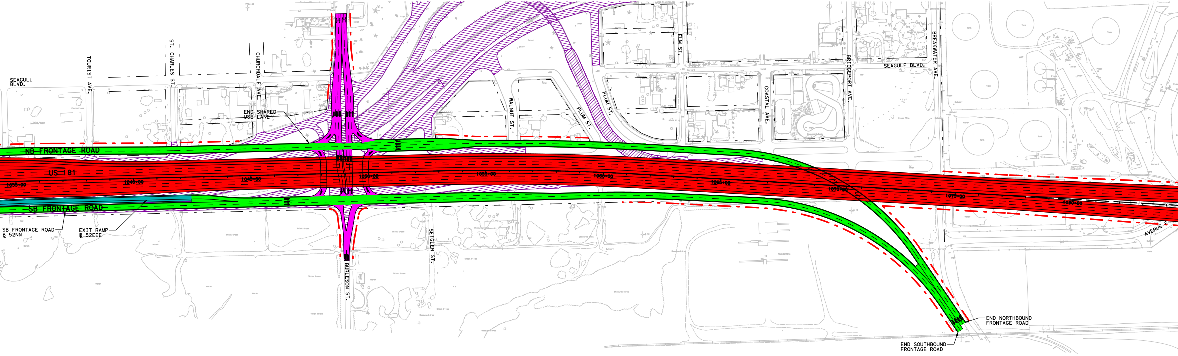
URS
1950 NORTH STEMMONS FREEWAY
SUITE 6000
DALLAS, TEXAS 75207
214-741-7777

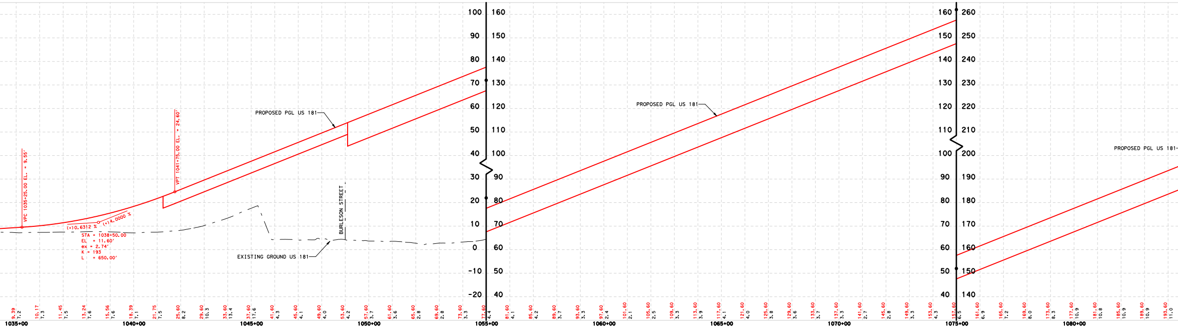

REEF AVE.
BEACH AVE.
HAYES ST.
NEAL ST.
GULFSPRAY AVE.
SURFBOARD AVE.
995+00
1000+00
1005+00
1010+00
1015+00
1020+00
1025+00
1030+00
BEGIN PROJECT
US 181/SH 286
℄ 51C
STA 1009+00.00
MATCH EXISITING
CSJ: 0101-06-095
BEGIN NORTHBOUND
FRONTAGE ROAD
BEGIN SHARED
USE LANE
BEGIN SOUTHBOUND
FRONTAGE ROAD
NB FRONTAGE ROAD
℄ 52MM
BEGIN SHARED
USE PATH
EXIT RAMP
℄ 52CCC
ENTRANCE RAMP
℄ 52BBB
US 181
℄ 51C


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

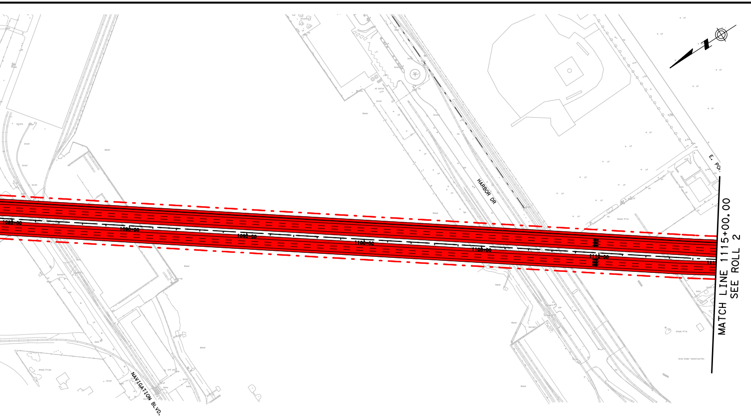
US 181/SH 286
EXISTING TYPICAL SECTION



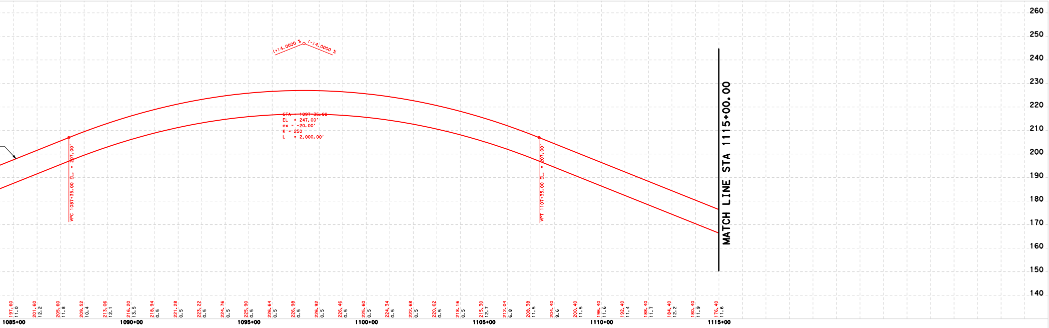

SEAGULL BLVD.
TOURIST AVE.
ST. CHARLES ST.
CHURCHDALE AVE.
END SHARED USE LANE
ELM ST.
WALNUT ST.
PLUM ST.
PLUM ST.
COASTAL AVE.
BRIDGEPORT AVE.
SEAGULF BLVD.
BREAKWATER AVE.
NB FRONTAGE ROAD
US 181
SB FRONTAGE ROAD
1035+00
1040+00
1045+00
1050+00
1055+00
1060+00
1065+00
1070+00
1075+00
1080+00
SB FRONTAGE ROAD
℄ 52NN
EXIT RAMP
℄ 52EEE
BURLESON ST.
SEIGLER ST.
AVENUE
END NORTHBOUND FRONTAGE ROAD
END SOUTHBOUND FRONTAGE ROAD


100
90
80
70
60
50
40
30
20
10
0
-10
-20
160
150
140
130
120
110
100
90
80
70
60
50
40
160
150
140
130
120
110
100
90
80
70
60
50
40
260
250
240
230
220
210
200
190
180
170
160
150
140
VPC 1035+25.00 EL. = 9.55'
VPT 1041+75.00 EL. = 24.60'
(+)0.6312 %
(+)4.0000 %
STA = 1038+50.00
EL = 11.60'
ex = 2.74'
K = 193
L = 650.00'
PROPOSED PGL US 181
PROPOSED PGL US 181
PROPOSED PGL US 181
EXISTING GROUND US 181
BURLESON STREET
9.39
7.2
10.17
7.3
11.45
7.5
13.24
7.6
15.56
7.6
18.39
7.1
21.75
7.5
25.60
8.2
29.60
10.3
33.60
13.4
37.60
17.6
41.60
4.3
45.60
4.1
49.60
4.0
53.60
4.2
57.60
3.7
61.60
3.6
65.60
2.8
69.60
2.8
73.60
3.3
77.60
4.4
81.60
4.1
85.60
4.2
89.60
3.7
93.60
3.3
97.60
2.4
101.60
2.1
105.60
2.5
109.60
3.3
113.60
3.9
117.60
4.1
121.60
4.0
125.60
3.8
129.60
3.6
133.60
3.7
137.60
3.3
141.60
2.7
145.60
2.8
149.60
3.3
153.60
4.3
157.60
6.5
161.60
6.9
165.60
7.2
169.60
8.0
173.60
8.3
177.60
10.9
181.60
10.8
185.60
10.9
189.60
10.9
193.60
11.0
1035+00
1040+00
1045+00
1050+00
1055+00
1060+00
1065+00
1070+00
1075+00
1080+00

RED ALTERNATIVE


HARBOR DR
NAVIGATION BLVD.
E. PO.
1085+00
1090+00
1095+00
1100+00
1105+00
1110+00
MATCH LINE 1115+00.00
SEE ROLL 2

PRELIMINARY
SUBJECT TO CHANGE


(+)4.0000 %
(-)4.0000 %
STA = 1097+35.00
EL = 247.00'
ex = -20.00'
K = 250
L = 2,000.00'
VPC 1087+35.00 EL. = 207.00'
VPT 1107+35.00 EL. = 207.00'
MATCH LINE STA 1115+00.00
260
250
240
230
220
210
200
190
180
170
160
150
140
1085+00
1090+00
1095+00
1100+00
1105+00
1110+00
1115+00

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ROLL 1 OF 6

0 50 100 200
HORIZ SCALE IN FEET

AUGUST, 2013

0 5 10 20
VERT SCALE IN FEET

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CHARLES BENNETT	68613				

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