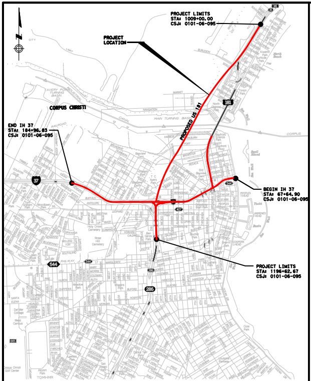
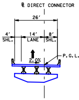

PROJECT LIMITS
STA: 1009+00.00
CSJ: 0101-06-095
PROJECT LOCATION
CORPUS CHRISTI
END IH 37
STA: 184+96.83
CSJ: 0101-06-095
PROPOSED US 181
BEGIN IH 37
STA: 67+64.90
CSJ: 0101-06-095
PROJECT LIMITS
STA: 1196+62.67
CSJ: 0101-06-095
N

LOCATION MAP (N.T.S)

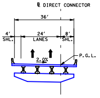
PROJECT LENGTH: 3.55 MILES

LEGEND:

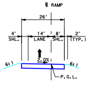
- —— - - EXISTING R.O.W.
- —— - - PROPOSED R.O.W.
- ➡ DIRECTION OF TRAFFIC
- —— EXISTING PROPERTY LINE
- —— PAVEMENT EDGE
- ▨ PAVEMENT TO BE REMOVED
- —— - - PROPOSED BASELINE
- 🟥 PROPOSED US 181/SH 286 MAINLANES
- 🟨 PROPOSED IH 37 MAINLANES
- 🟧 DIRECT CONNECTOR
- 🟦 PROPOSED RAMP
- 🟩 PROPOSED FRONTAGE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


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

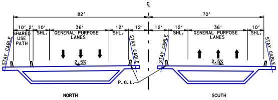
ONE LANE DIRECT CONNECTOR


℄ 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.)
2.0%
6:1
6:1
P.G.L.

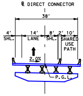
ONE LANE RAMP


℄
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

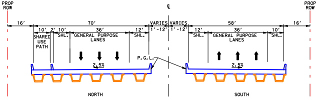
US 181

MAIN SPAN BRIDGE

STA 1089+87.00 TO STA 1105+02.00


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

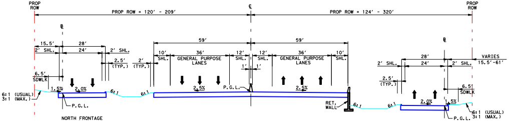
ONE LANE DIRECT CONNECTOR WITH SHARED USE PATH


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

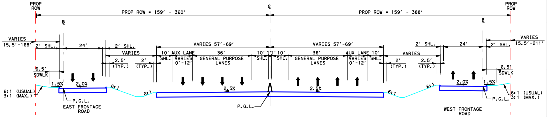

PROP ROW
PROP ROW = 120' - 209'
℄
PROP ROW = 124' - 320'
PROP ROW
℄
15.5'
28'
2' SHL.
24'
2' SHL.
2.5' (TYP.)
2' (TYP.)
6.5' SDWLK
1.5%
2.0%
6:1 (USUAL)
3:1 (MAX.)
P.G.L.
NORTH FRONTAGE ROAD
6:1
6:1
59'
59'
10' SHL.
36' GENERAL PURPOSE LANES
12' SHL.
1'
1'
12' SHL.
36' GENERAL PURPOSE LANES
10' SHL.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

MAIN LANES AND FRONTAGE ROADS

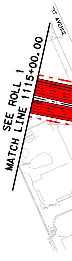

PROP ROW
PROP ROW = 159' - 360'
℄
PROP ROW = 159' - 388'
PROP ROW
℄
VARIES 15.5'-168'
2' SHL.
24'
2' SHL.
VARIES
2.5' (TYP.)
2' (TYP.)
6.5' SDWLK
1.5%
2.0%
6:1 (USUAL)
3:1 (MAX.)
P.G.L.
EAST FRONTAGE ROAD
6:1
6:1
VARIES 57'-69'
VARIES 57'-69'
10' SHL.
AUX LANE VARIES 0'-12'
36' GENERAL PURPOSE LANES
10' SHL.
1'
1'
10' SHL.
36' GENERAL PURPOSE LANES
AUX LANE VARIES 0'-12'
10' SHL.
2.5%
2.5%
P.G.L.
6:1
6:1
℄
2' SHL.
24'
2' SHL.
VARIES 15.5'-211'
VARIES
2' (TYP.)
2.5' (TYP.)
6.5' SDWLK
2.0%
1.5%
P.G.L.
6:1 (USUAL)
3:1 (MAX.)
WEST FRONTAGE ROAD

IH 37

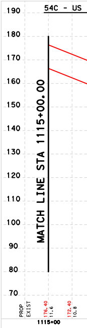
MAIN LANES AND FRONTAGE ROADS

STA 79+00.00 TO STA 166+00.00

PROPOSED TYPICAL SECTIONS


SEE ROLL 1
MATCH LINE 1115+00.00
AVENUE

TOPOGRAPHIC MA



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

RED ALTERNATIVE
US 181/SH 286 MAIN LANES

ROLL 2 OF 6

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:

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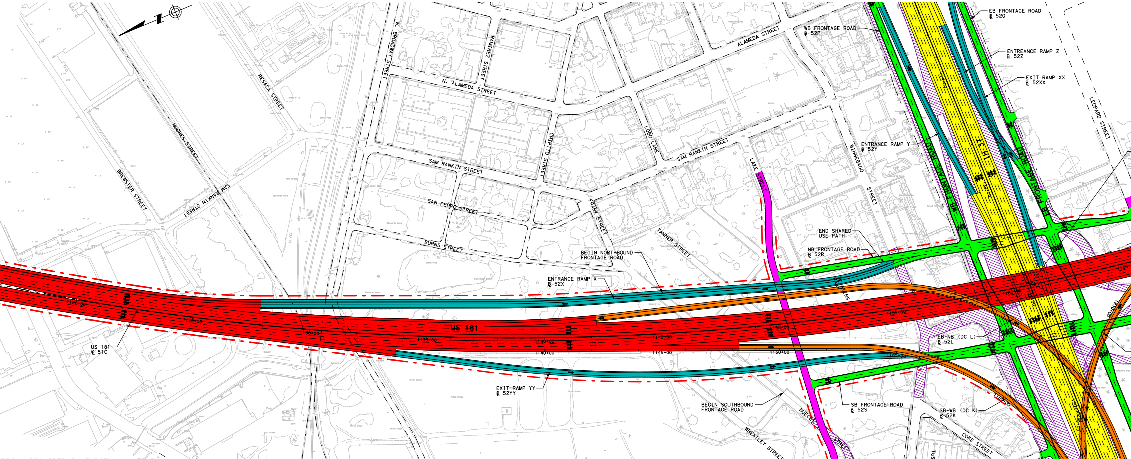
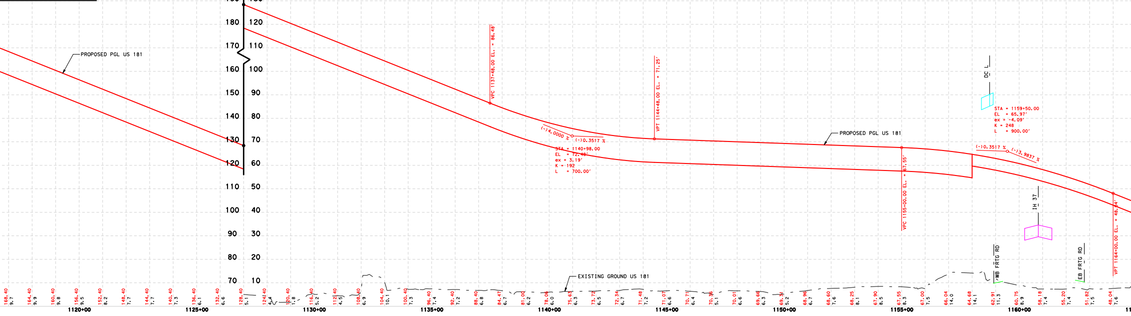
CHARLES BENNETT	68613				

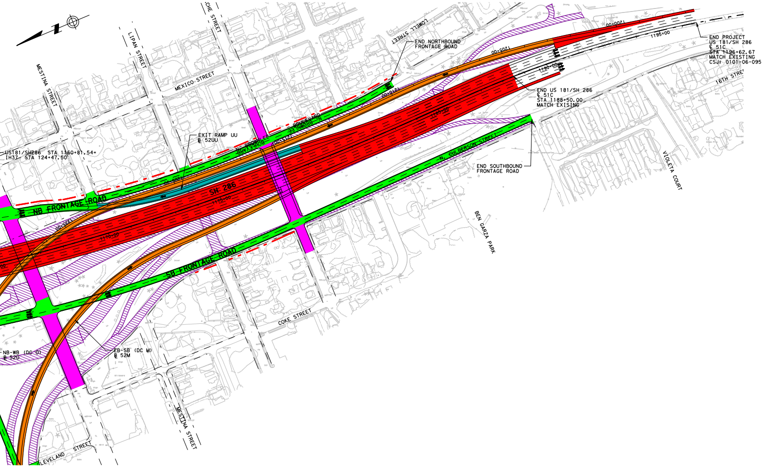
URS
1950 NORTH STEMMONS FREEWAY
SUITE 6000
DALLAS, TEXAS 75207
214-741-7777

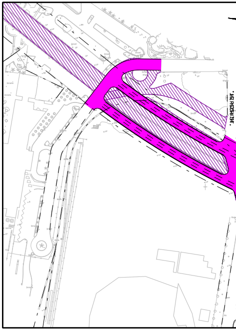

W. BROADWAY STREET
RAMIREZ STREET
N. ALAMEDA STREET
ALAMEDA STREET
RESACA STREET
HUGHES STREET
SAM RANKIN STREET
BREWSTER STREET
CHIPITO STREET
SAN PEDRO STREET
BURNS STREET
FRANK STREET
LOBO LANE
LAKE STREET
TANNER STREET
WINNEBAGO STREET
LEOPARD STREET
NUECES STREET
WHEATLEY STREET
COKE STREET
TUSKI
IH 37
WB FRONTAGE ROAD
EB FRONTAGE ROAD
US 181
EB FRONTAGE ROAD
℄ 52Q
WB FRONTAGE ROAD
℄ 52P
ENTREANCE RAMP Z
℄ 52Z
EXIT RAMP XX
℄ 52XX
ENTRANCE RAMP Y
℄ 52Y
END SHARED
USE PATH
NB FRONTAGE ROAD
℄ 52R
BEGIN NORTHBOUND
FRONTAGE ROAD
ENTRANCE RAMP X
℄ 52X
US 181
℄ 51C
EB-NB (DC L)
℄ 52L
EXIT RAMP YY
℄ 52YY
BEGIN SOUTHBOUND
FRONTAGE ROAD
SB FRONTAGE ROAD
℄ 52S
SB-WB (DC K)
℄ 52K
1120+00
1125+00
1130+00
1135+00
1140+00
1145+00
1150+00
1155+00
1160+00

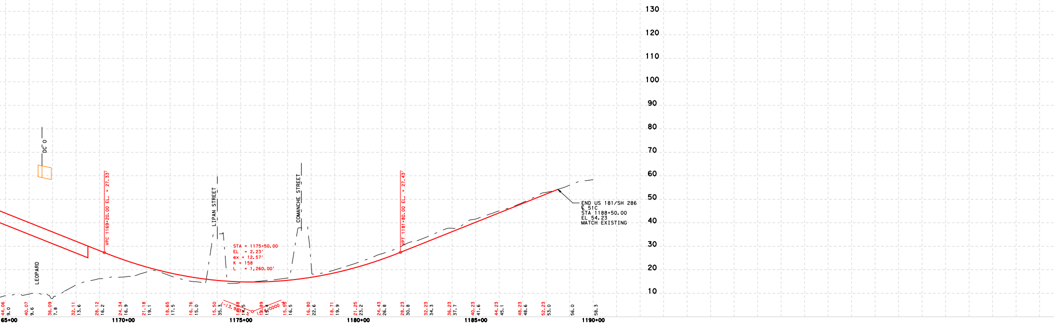
APPING PROVIDED BY TXDOT NOV, 2003

181/SH 286 MAIN LANES

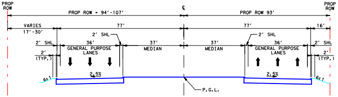



MESTINA STREET
LIPAN STREET
CHE STREET
LOWELL STREET
MEXICO STREET
END NORTHBOUND FRONTAGE ROAD
1205+00
1200+00
1195+00
1190+00
1185+00
1180+00
1175+00
1170+00
END PROJECT
US 181/SH 286
℄ 51C
STA 1196+62.67
MATCH EXISTING
CSJ: 0101-06-095
16TH STREET
END US 181/SH 286
℄ 51C
STA 1188+50.00
MATCH EXISING
EXIT RAMP UU
℄ 52UU
US181/SH286 STA 1160+81.54=
IH37 STA 124+47.50
NB FRONTAGE ROAD
SH 286
N. CULBERSON STREET
END SOUTHBOUND FRONTAGE ROAD
VIOLETA COURT
BEN GARZA PARK
SB FRONTAGE ROAD
COKE STREET
NB-WB (DC O)
℄ 52O
EB-SB (DC M)
℄ 52M
MESTINA STREET
LEVELAND STREET





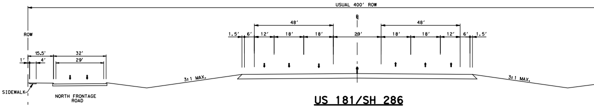
RED ALTERNATIVE



PROP ROW
PROP ROW = 94'-107'
℄
PROP ROW 93'
PROP ROW
VARIES
17'-30'
77'
77'
16'
2' SHL
2' SHL
2' SHL
2' SHL
36'
GENERAL PURPOSE LANES
37'
MEDIAN
37'
MEDIAN
36'
GENERAL PURPOSE LANES
2'
(TYP.)
2'
(TYP.)
2.5%
2.5%
6:1
6:1
P.G.L.

BROADWAY BLVD

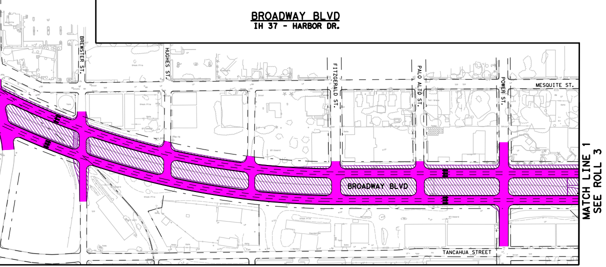
IH 37 - HARBOR DR.



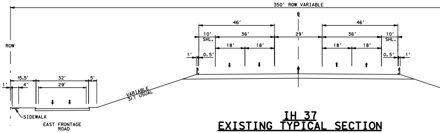
USUAL 400' ROW
ROW
℄
48'
48'
1.5'
6'
12'
18'
18'
29'
18'
18'
12'
6'
1.5'
15.5'
32'
1'
4'
29'
3:1 MAX.
3:1 MAX.
SIDEWALK
NORTH FRONTAGE ROAD

US 181/SH 286

EXISTING TYPICAL SECTION



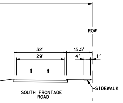
BREWSTER ST.
HUGHES ST.
FITZGERALD ST.
PALO ALTO ST.
POWER ST.
MESQUITE ST.
BROADWAY BLVD
TANCAHUA STREET
MATCH LINE 1
SEE ROLL 3

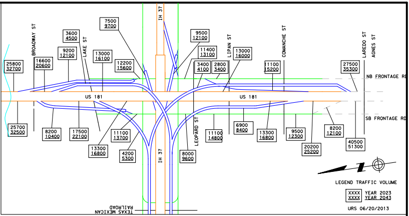


350' ROW VARIABLE
ROW
℄
46'
46'
10'
SHL.
36'
29'
36'
10'
SHL.
18'
18'
18'
18'
1'
0.5'
0.5'
1'
15.5'
32'
5'
1'
4'
29'
VARIABLE
3:1 USUAL
SIDEWALK
EAST FRONTAGE ROAD

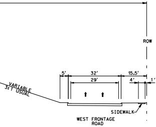
IH 37

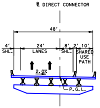
EXISTING TYPICAL SECTION


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

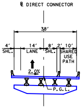

IH 37
BROADWAY ST
LAKE ST
LIPAN ST
COMANCHE ST
LAREDO ST
AGNES ST
LEOPARD ST
US 181
US 181
NB FRONTAGE RD
SB FRONTAGE RD
TEXAS MEXICAN RAILROAD
7500 9700
3600 4500
9200 12100
16600 20600
25800 32700
13000 16100
12200 15600
9500 12100
11400 13100
3400 4100
2800 3400
13000 16000
11100 15200
27500 35300
25700 32500
8200 10400
17500 22100
11100 13700
13300 16800
4200 5300
8000 9600
11100 14800
6900 8400
13300 16800
9500 12300
20200 25200
8200 12100
40500 51300
LEGEND TRAFFIC VOLUME
XXXX YEAR 2023
XXXX YEAR 2043
URS 06/20/2013

TRAFFIC DIAGRAM


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


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

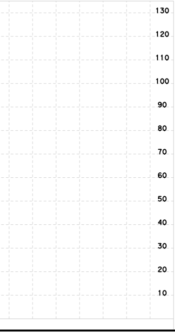
TWO LANE DIRECT CONNECTOR WITH BIKE PATH


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

ONE LANE DIRECT CONNECTOR WITH BIKE PATH

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

RED ALTERNATIVE
US 181/SH 286 MAIN LANES

ROLL 2 OF 6

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 REGISTRATION NUMBER 3162:
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Prepared by or under the Direct Supervision of:

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

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