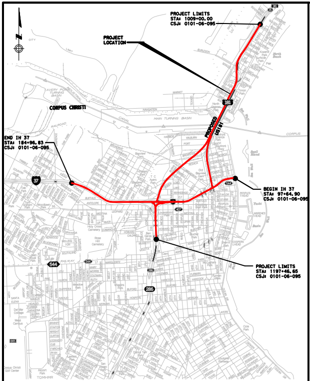
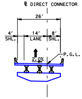

PROJECT LIMITS
STA: 1009+00.00
CSJ: 0101-06-095
PROJECT LOCATION
CORPUS CHRISTI
PROPOSED US181
END IH 37
STA: 184+96.83
CSJ: 0101-06-095
BEGIN IH 37
STA: 97+64.90
CSJ: 0101-06-095
PROJECT LIMITS
STA: 1197+46.65
CSJ: 0101-06-095
181
37
544
286

LOCATION MAP (N.T.S)

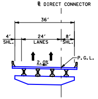
PROJECT LENGTH: 3.57 MILES

LEGEND:

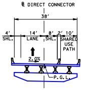
— - -	EXISTING R.O.W.
— - -	PROPOSED R.O.W.
➡	DIRECTION OF TRAFFIC
—	EXISTING PROPERTY LINE
—	PAVEMENT EDGE
▨	PAVEMENT TO BE REMOVED
— - -	PROPOSED BASELINE
🟥	PROPOSED US 181/SH 286 MAINLANES
🟨	PROPOSED IH 37 MAINLANES
🟧	DIRECT CONNECTOR
■	PROPOSED RAMP
🟩	PROPOSED FRONTAGE ROAD
🟪	PROPOSED CROSS AND LOCAL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


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

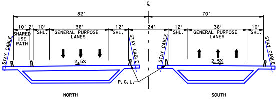
ONE LANE DIRECT CONNECTOR


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

TWO LANE DIRECT CONNECTOR


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

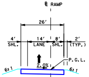
ONE LANE DIRECT CONNECTOR WITH SHARED USE PATH


℄
82'
70'
10' SHARED USE PATH
2'
10' SHL.
36' GENERAL PURPOSE LANES
12' SHL.
24'
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

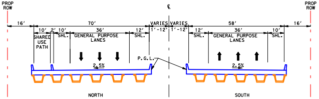
US 181

MAIN SPAN BRIDGE

STA 1086+87.69 TO STA 1098+95.24


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

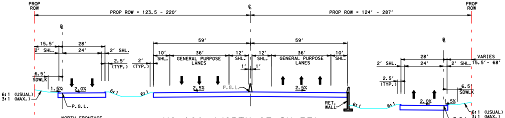
ONE LANE RAMP


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.
2.5%
2.5%
P.G.L.
NORTH
SOUTH

US 181

BRIDGE APPROACH

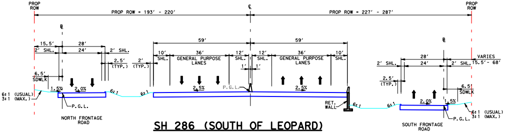
STA 1038+19.09 TO STA 1086+87.69
STA 1098+95.24 TO STA 1172+22.64


PROP ROW
PROP ROW = 123.5 - 220'
℄
PROP ROW = 124' - 287'
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'
24'
2' SHL.
2' SHL.
VARIES 15.5'- 68'
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 1038+19.09
STA 1172+22.64 TO STA 1189+50.00


PROP ROW
PROP ROW = 193' - 220'
℄
PROP ROW = 227' - 287'
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'
24'
2' SHL.
2' SHL.
VARIES 15.5'- 68'
2.5' (TYP.)
6.5' SDWLK
2.0%
1.5%
P.G.L.
6:1 (USUAL)
3:1 (MAX.)
SOUTH FRONTAGE ROAD

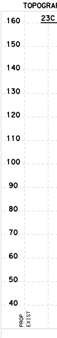
SH 286 (SOUTH OF LEOPARD)

MAIN LANES AND FRONTAGE ROADS

STA 1172+22.64 TO STA 1189+50.00

PROPOSED TYPICAL SECTIONS

SEE ROLL 1
MATCH LINE



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 CARRIZO ST TO NUECES BAY BLVD
CSJ: 0101-06-095

ORANGE 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 2 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:

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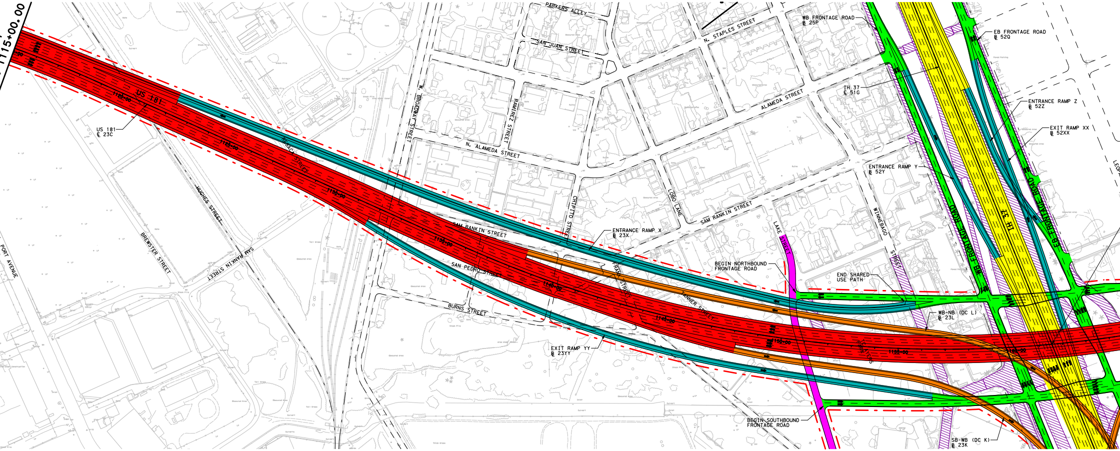
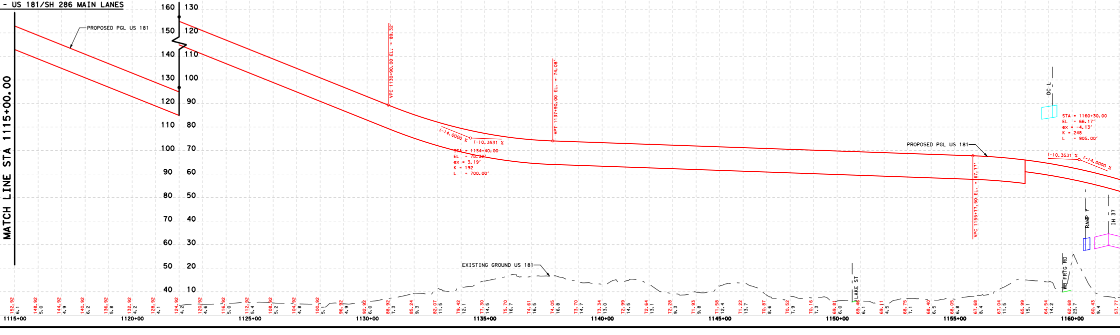
CHARLES BENNETT	68613				

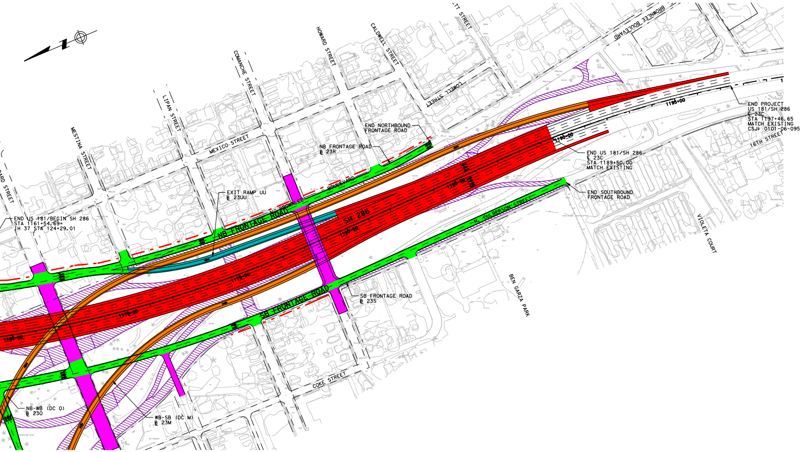
URS
1950 NORTH STEMMONS FREEWAY
SUITE 6000
DALLAS, TEXAS 75207
214-741-7777

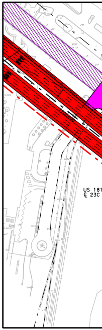

STA 1115+00.00
PARKERS ALLEY
SAN JUAN STREET
N. STAPLES STREET
WB FRONTAGE ROAD
℄ 25P
EB FRONTAGE ROAD
℄ 52Q
US 181
US 181
℄ 23C
1120+00
1125+00
1130+00
1135+00
1140+00
1145+00
1150+00
1155+00
W. BROADWAY STREET
RAMIREZ STREET
N. ALAMEDA STREET
ALAMEDA STREET
IH 37
℄ 51G
ENTRANCE RAMP Z
℄ 52Z
EXIT RAMP XX
℄ 52XX
MESQUITE STREET
HUGHES STREET
BREWSTER STREET
SAM RANKIN STREET
PORT AVENUE
CHIPITO STREET
LOBO LANE
SAM RANKIN STREET
ENTRANCE RAMP Y
℄ 52Y
WINNEBAGO STREET
IH 37
WB FRONTAGE ROAD
EB FRONTAGE ROAD
ENTRANCE RAMP X
℄ 23X
LAKE STREET
BEGIN NORTHBOUND
FRONTAGE ROAD
END SHARED
USE PATH
SAM RANKIN STREET
SAN PEDRO STREET
BURNS STREET
TANNER STREET
WB-NB (DC L)
℄ 23L
EXIT RAMP YY
℄ 23YY
BEGIN SOUTHBOUND
FRONTAGE ROAD
SB-WB (DC K)
℄ 23K

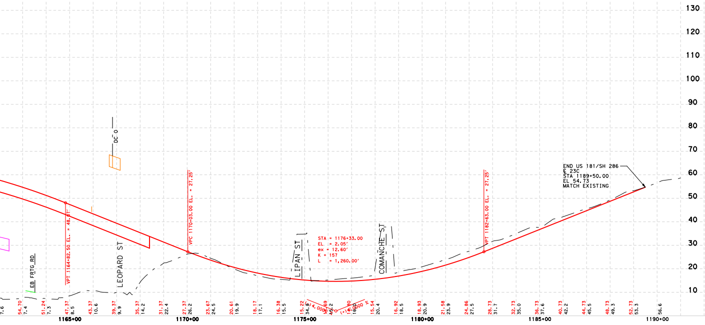
PHIC MAPPING PROVIDED BY TXDOT NOV, 2003

- US 181/SH 286 MAIN LANES

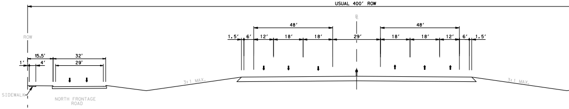



HOWARD STREET
CALDWELL STREET
COMANCHE STREET
LIPAN STREET
MESTINA STREET
MEXICO STREET
LOWELL STREET
BROWNLEE BOULEVARD
16TH STREET
VIOLETA COURT
BEN GARZA PARK
COKE STREET
N. CULBERSON STREET
NB FRONTAGE ROAD
SB FRONTAGE ROAD
SH 286
END NORTHBOUND FRONTAGE ROAD
NB FRONTAGE ROAD ℄ 23R
EXIT RAMP UU ℄ 23UU
END US 181/BEGIN SH 286 STA 1161+54.69= IH 37 STA 124+29.01
END PROJECT US 181/SH 286 ℄ 23C STA 1197+46.65 MATCH EXISTING CSJ: 0101-06-095
END US 181/SH 286 ℄ 23C STA 1189+50.00 MATCH EXISTING
END SOUTHBOUND FRONTAGE ROAD
SB FRONTAGE ROAD ℄ 23S
NB-WB (DC O) ℄ 23O
WB-SB (DC M) ℄ 23M
1165+00
1170+00
1175+00
1180+00
1185+00
1190+00
1195+00

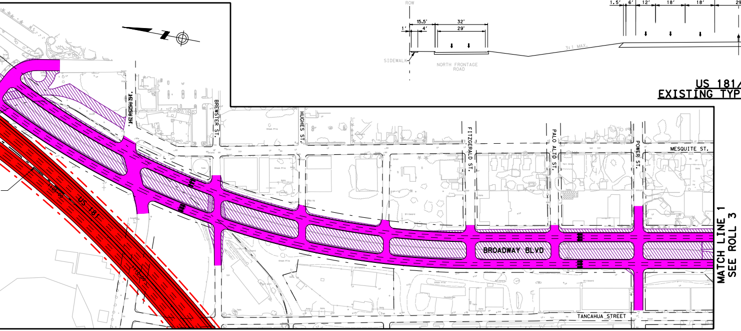


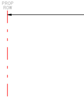


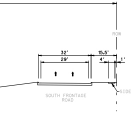
ORANGE ALTERNATIVE

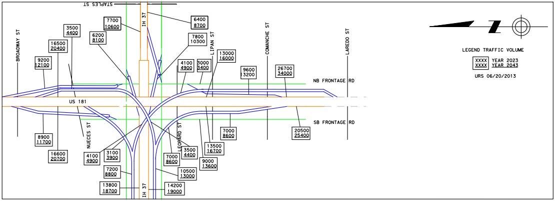

USUAL 400' ROW
ROW
℄
48'
48'
1.5'
6'
12'
18'
18'
29'
18'
18'
12'
6'
1.5'
15.5'
32'
1'
4'
29'
3:1 MAX.
3:1 MAX.
SIDEWALK
NORTH FRONTAGE ROAD

US 181/SH 286
EXISTING TYPICAL SECTION

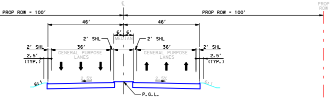

US 181
BREWSTER ST.
HUGHES ST.
FITZGERALD ST.
PALO ALTO ST.
POWER ST.
MESQUITE ST.
BROADWAY BLVD
TANCAHUA STREET
MATCH LINE 1
SEE ROLL 3



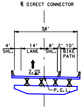

ROW
32'
29'
15.5'
4'
1'
SOUTH FRONTAGE ROAD
SIDEWALK


STAPLES ST
IH 37
BROADWAY ST
NUECES ST
US 181
LEOPARD ST
LIPAN ST
COMANCHE ST
LAREDO ST
NB FRONTAGE RD
SB FRONTAGE RD
7700 10600
6400 8700
3500 4400
6200 8100
7800 10300
16500 20400
9200 12100
4100 4900
3000 3400
13000 16000
9600 13200
26700 34000
8900 11700
16600 20700
4100 4900
3100 3900
7200 8800
13800 18700
7000 8600
3500 4400
10500 13000
14200 19000
9000 13600
13500 16700
7000 8600
20500 25400
LEGEND TRAFFIC VOLUME
XXXX YEAR 2023
XXXX YEAR 2043
URS 06/20/2013

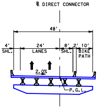
TRAFFIC DIAGRAM


PROP ROW = 100'
℄
PROP ROW = 100'
PROP ROW
46'
46'
6'
6'
MEDIAN
2' SHL
2' SHL
2' SHL
2' SHL
36'
36'
2.5' (TYP.)
2.5' (TYP.)
GENERAL PURPOSE LANES
GENERAL PURPOSE LANES
2.5%
2.5%
6:1
6:1
P.G.L.

BROADWAY BLVD
HIRSCH ST - POWER ST


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

ONE LANE DIRECT CONNECTOR WITH BIKE PATH


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

TWO 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
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US 181/IH 37 - HARBOR BRIDGE
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US 181/SH 286 FROM BEACH AVE TO LAREDO ST
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CSJ: 0101-06-095

ORANGE ALTERNATIVE
US 181/SH 286 MAIN LANES

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

ROLL 2 OF 6

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
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