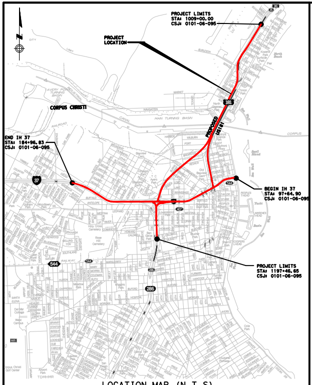
PROJECT LIMITS
STA: 1009+00.00
CSJ: 0101-06-095
PROJECT LOCATION
CORPUS CHRISTI
PROPOSED US181
END IH 37
STA: 184+96.83
CSJ: 0101-06-095
BEGIN IH 37
STA: 97+64.90
CSJ: 0101-06-095
PROJECT LIMITS
STA: 1197+46.65
CSJ: 0101-06-095

LOCATION MAP (N.T.S)
PROJECT LENGTH: 3.57 MILES

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 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.

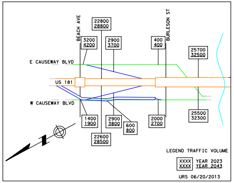
Prepared by or under the Direct Supervision of:

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

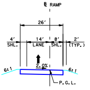
URS
1950 NORTH STEMMONS FREEWAY
SUITE 6000
DALLAS, TEXAS 75207
214-741-7777

LEGEND:

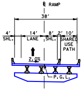
——— – –	EXISTING R.O.W.
——— – –	PROPOSED R.O.W.
➡	DIRECTION OF TRAFFIC
———	EXISTING PROPERTY LINE
———	PAVEMENT EDGE
▨	PAVEMENT TO BE REMOVED
——— – –	PROPOSED BASELINE
🟥	PROPOSED US 181/SH 286 MAINLANES
🟨	PROPOSED IH 37 MAINLANES
🟧	DIRECT CONNECTOR
🟦	PROPOSED RAMP
🟩	PROPOSED FRONTAGE ROAD
🟪	PROPOSED CROSS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


BEACH AVE
BURLESON ST
E CAUSEWAY BLVD
US 181
W CAUSEWAY BLVD
22800
28800
3200
4200
2900
3700
400
400
25700
32500
25500
32300
1400
1900
2900
3800
600
800
2000
2700
22600
28500
LEGEND TRAFFIC VOLUME
XXXX YEAR 2023
XXXX YEAR 2043
URS 06/20/2013

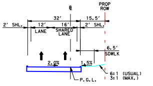
TRAFFIC DIAGRAM


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

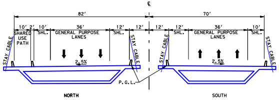
ONE LANE RAMP


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

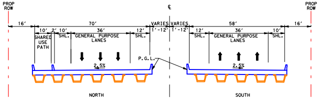
ONE LANE RAMP
WITH SHARED USE PATH


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

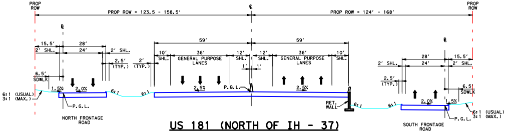
NB FRONTAGE ROAD
WITH SHARED LANE FROM
BURLESON ST TO BEACH AVE


℄
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 1086+87.69 TO STA 1098+95.24

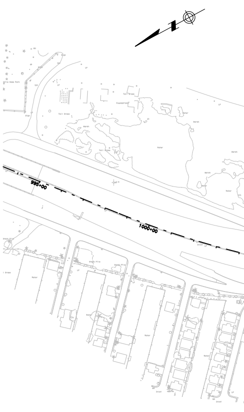

PROP ROW
PROP ROW
℄
16'
70'
VARIES 1'-12'
VARIES 1'-12'
58'
16'
10' SHARED USE PATH
2'
10' SHL.
36' GENERAL PURPOSE LANES
12' SHL.
12' SHL.
36' GENERAL PURPOSE LANES
10' SHL.
P.G.L.
2.5%
2.5%
NORTH
SOUTH

US 181
BRIDGE APPROACH
STA 1038+19.09 TO STA 1086+87.69
STA 1098+95.24 TO STA 1172+22.64

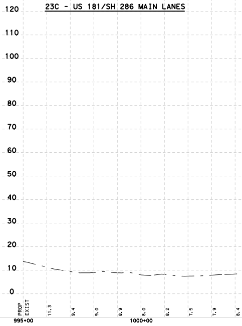

PROP ROW
PROP ROW = 123.5 - 158.5'
℄
PROP ROW = 124' - 168'
PROP ROW
℄
15.5'
28'
2' SHL.
24'
2' SHL.
2.5' (TYP.)
2' (TYP.)
6.5' SDWLK
1.5%
2.0%
6:1 (USUAL)
3:1 (MAX.)
P.G.L.
6:1
6:1
59'
59'
10' SHL.
36' GENERAL PURPOSE LANES
12' SHL.
1'
12' SHL.
1'
36' GENERAL PURPOSE LANES
10' SHL.
2.5%
P.G.L.
2.5%
RET. WALL
6:1
6:1
℄
2' SHL.
28'
24'
15.5'
2' SHL.
2.5' (TYP.)
6.5' SDWLK
2.0%
1.5%
P.G.L.
6:1 (USUAL)
3:1 (MAX.)
NORTH FRONTAGE ROAD
SOUTH FRONTAGE ROAD

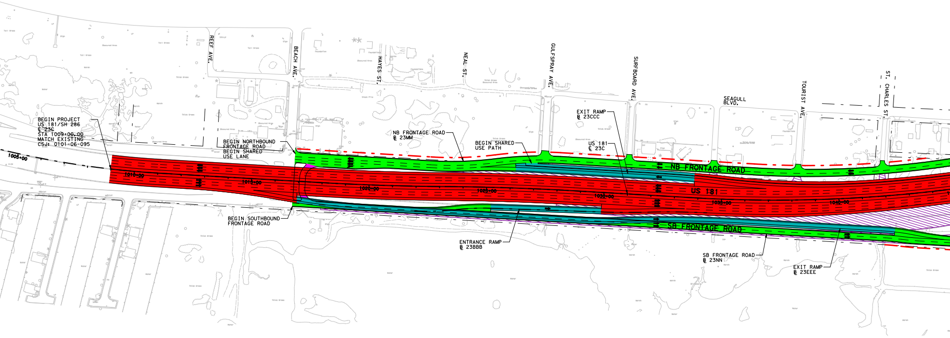
US 181 (NORTH OF IH - 37)
MAIN LANES AND FRONTAGE ROADS
STA 1009+00.00 TO STA 1038+19.09

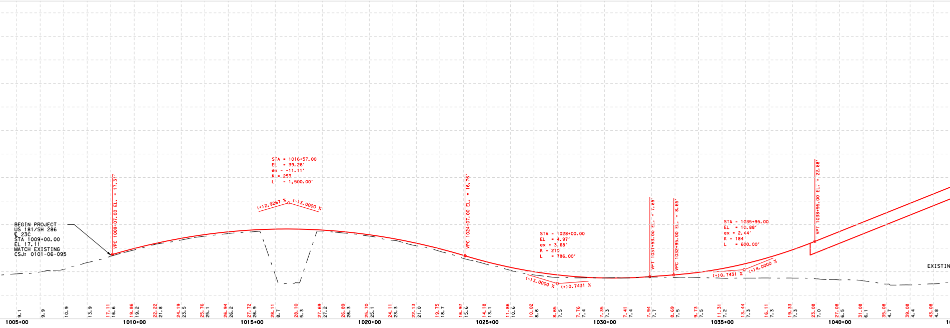
PROPOSED TYPICAL SECTIONS

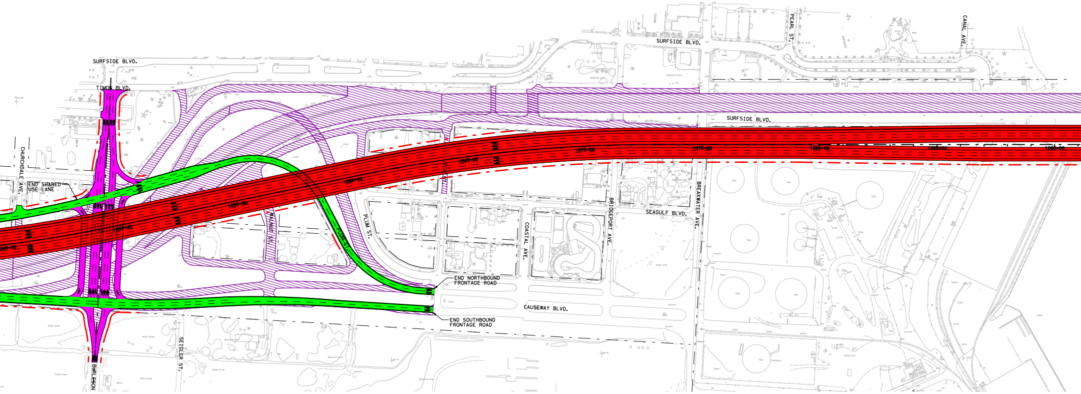

995+00
1000+00

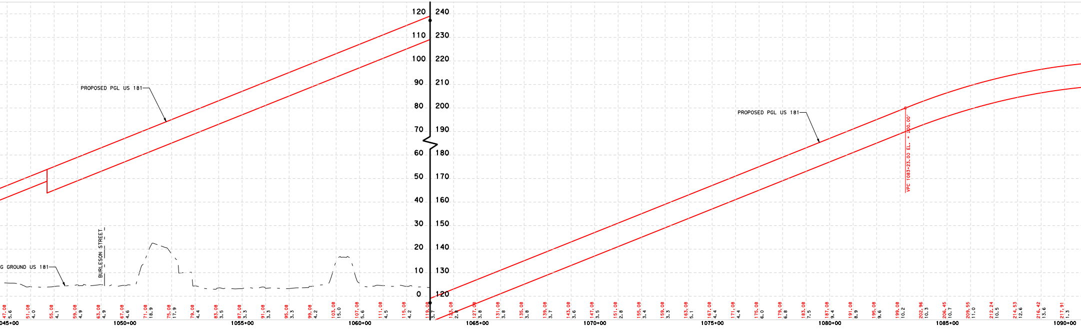
TOPOGRAPHIC MAPPING PROVIDED BY TXDOT NOV, 2003



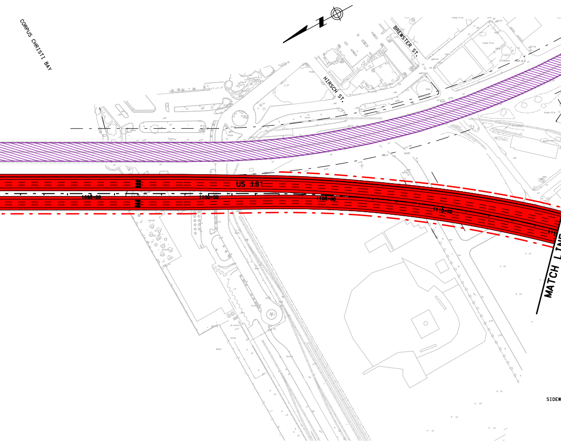

BEGIN PROJECT
US 181/SH 286
℄ 23C
STA 1009+00.00
MATCH EXISTING
CSJ: 0101-06-095
1005+00
1010+00
1015+00
1020+00
1025+00
1030+00
1035+00
1040+00
REEF AVE.
BEACH AVE.
HAYES ST.
NEAL ST.
GULFSPRAY AVE.
SURFBOARD AVE.
SEAGULL BLVD.
TOURIST AVE.
ST. CHARLES ST.
BEGIN NORTHBOUND FRONTAGE ROAD
BEGIN SHARED USE LANE
NB FRONTAGE ROAD
℄ 23MM
BEGIN SHARED USE PATH
EXIT RAMP
℄ 23CCC
US 181
℄ 23C
NB FRONTAGE ROAD
US 181
SB FRONTAGE ROAD
BEGIN SOUTHBOUND FRONTAGE ROAD
ENTRANCE RAMP
℄ 23BBB
SB FRONTAGE ROAD
℄ 23NN
EXIT RAMP
℄ 23EEE

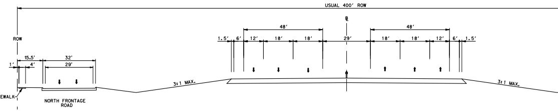



SURFSIDE BLVD.
TIMON BLVD.
CHURCHDALE AVE.
END SHARED USE LANE
SURFSIDE BLVD.
PEARL ST.
CANAL AVE.
SURFSIDE BLVD.
ELM ST.
PLUM ST.
WALNUT ST.
PLUM ST.
COASTAL AVE.
BRIDGEPORT AVE.
SEAGULF BLVD.
BREAKWATER AVE.
END NORTHBOUND FRONTAGE ROAD
CAUSEWAY BLVD.
END SOUTHBOUND FRONTAGE ROAD
SEIGLER ST.
BURLESON
1050+00
1055+00
1060+00
1065+00
1070+00
1075+00
1080+00
1085+00
1090+00

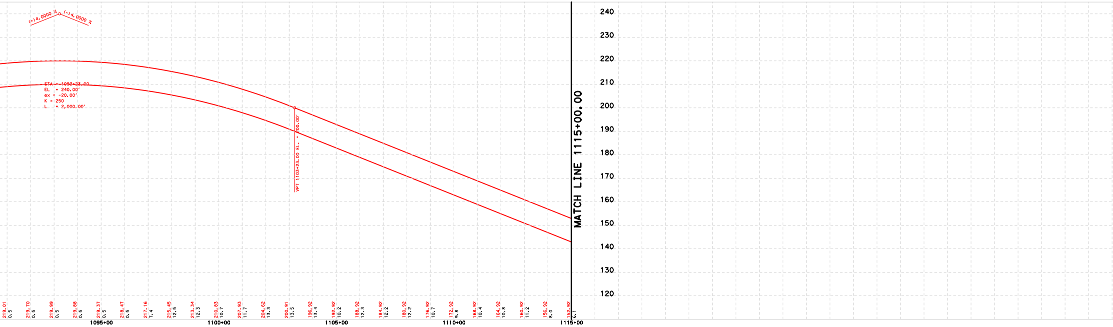


ORANGE

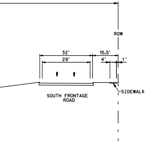

CORPUS CHRISTI BAY
BREWSTER ST.
HIRSCH ST.
US 181
1095+00
1100+00
1105+00
1110+00
MATCH LINE 1115+00.00
SEE ROLL 2


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



ALTERNATIVE


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

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 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 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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