PRELIMINARY SUBJECT TO CHANGE

SCHEMATIC LAYOUT
HARRIS COUNTY
PROPOSED SH 288
AND
SH 288 TOLLWAY

FROM: US 59
TO: CR 60

HOUSTON DISTRICT

DATE: APR. 2013
APPROVED:

NOT A BIDDING DOCUMENT

______________________ P.E.

TEXAS REGISTRATION NUMBER

______________ DATE

LEGEND

SYMBOLOGY		LINE WT	COLOR CODE	
MAIN LANES	—	2	BLACK	0
FRONTAGE ROADS AND RAMPS	—	2	BLUE	1
TOLL LANES	—	2	LT PURPLE	37
EXISTING RDWY TO BE REMOVED	// //	0	BLACK	0
EXISTING RDWY TO REMAIN	—	2	GREEN	2
EMBANKMENT	—	3	RED	3
CONTROL OF ACCESS	—	3	RED	3
PROP ROW	—	5	BLACK	0
EXISTING ROW	—	0	BLACK	0
ACCESS ROAD	- - - -	1	BLUE	1
PLANIMETRIC		2	GREEN	2
TRAFFIC COUNT YEAR (2035) DEV		0	BLACK	0
EXISTING LANE DIRECTIONAL INDICATOR	⇨	0	BLACK	0
PROPOSED LANE DIRECTIONAL INDICATOR	→	0	BLACK	0
DIRECT CONNECTOR	—	2	ORANGE	6
DEPRESSED	—	3	RED	3
FUTURE	— —	1	BLUE	1
RETAINING WALL	—	6	RED	3
STRIPING		0	ORANGE	6

SCALE: 0 100 200 300 400

DESIGN CRITERIA

FUNCTIONAL CLASSIFICATION - URBAN PRINCIPAL ARTERIAL
MAIN LANE/TOLL LANE DESIGN CRITERIA - URBAN FREEWAY
MAIN LANE/TOLL LANE DESIGN SPEED - 60 MPH
RAMP DESIGN SPEED - 45 MPH
FRONTAGE ROAD DESIGN CRITERIA - URBAN COLLECTOR
FRONTAGE ROAD DESIGN SPEED - 45 MPH (DESIRABLE)
- 30 MPH (MINIMUM)

COLORFILL LEGEND

MAIN LANES	🟨
RAMPS/FRONTAGE	🟦
TOLL LANES	🟪
DIRECT CONNECTOR	🟧
BRIDGE	🟥

SHEET 10

CURVE DATA

SH 288 CENTERLINE ALIGNMENT [illegible]

SH 288 CENTERLINE ALIGNMENT [illegible]

SH 288 CENTERLINE ALIGNMENT [illegible]

SH 288 CENTERLINE ALIGNMENT [illegible]
NO SUPERELEVATION REQUIRED

NORTHBOUND RAMP [illegible]
NO SUPERELEVATION REQUIRED

SOUTHBOUND RAMP [illegible]
NO SUPERELEVATION REQUIRED

NORTHBOUND RAMP [illegible]

SOUTHBOUND RAMP [illegible]

NORTHBOUND RAMP [illegible]

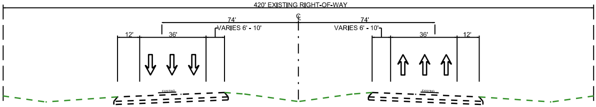
SOUTHBOUND RAMP [illegible]

NORTHBOUND RAMP [illegible]

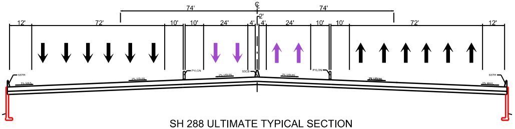
PRELIMINARY SUBJECT TO CHANGE

TEXAS
288

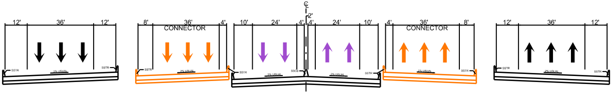
288
TOLL


420' EXISTING RIGHT-OF-WAY
℄
74'
74'
VARIES 6' - 10'
VARIES 6' - 10'
12'
36'
36'
12'
EXISTING
EXISTING

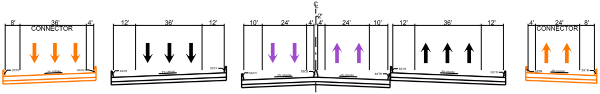
SH 288 EXISTING TYPICAL SECTION


℄
74'
74'
2'
12'
72'
10'
10'
24'
4'
4'
24'
10'
10'
72'
12'
SSTR
3% MAX
2% USUAL
PYLON
2% USUAL
SSCB
2% USUAL
PYLON
2% USUAL
3% MAX
SSTR

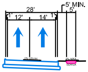
SH 288 ULTIMATE TYPICAL SECTION
BELLFORT GRADE SEPARATION


℄
2'
12'
36'
12'
8'
36'
CONNECTOR
4'
10'
24'
4'
4'
24'
10'
4'
36'
CONNECTOR
8'
12'
36'
12'
SSTR
2% USUAL
SSTR
SSCB
SSTR

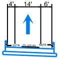
SH 288 ULTIMATE TYPICAL SECTION
SOUTH OF IH 610 INTERCHANGE


℄
2'
8'
36'
CONNECTOR
4'
12'
36'
12'
10'
24'
4'
4'
24'
10'
12'
36'
12'
4'
24'
CONNECTOR
8'
SSTR
2% USUAL
SSCB

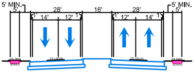
SH 288 ULTIMATE TYPICAL SECTION
NORTH OF IH 610 INTERCHANGE


28'
5' MIN.
5'
1'
12'
14'
1'
2% USUAL
2% MAX

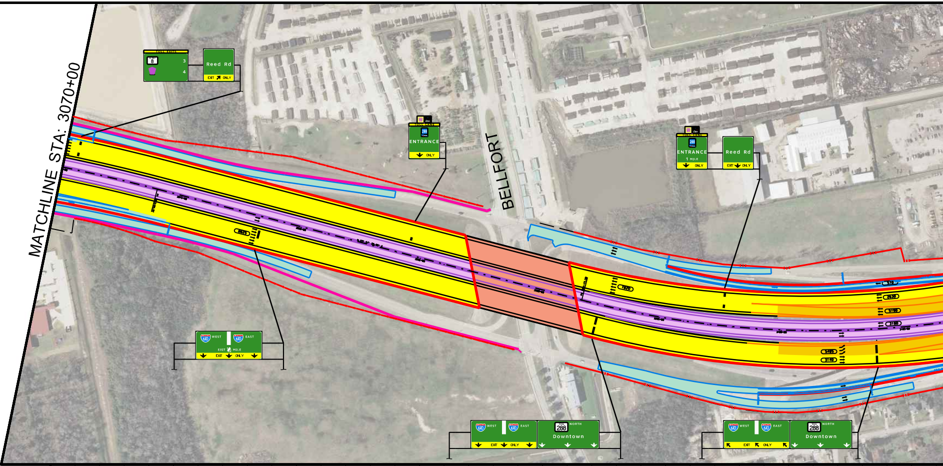
PROPOSED FRONTAGE ROADS

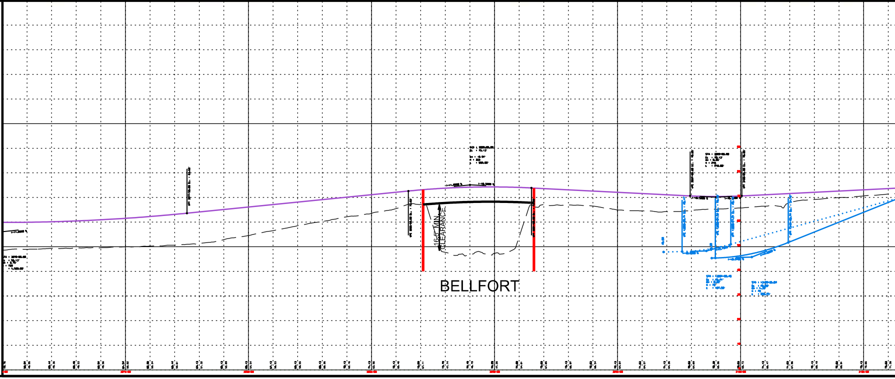

4'
14'
6'
SSTR
2% USUAL
SSTR

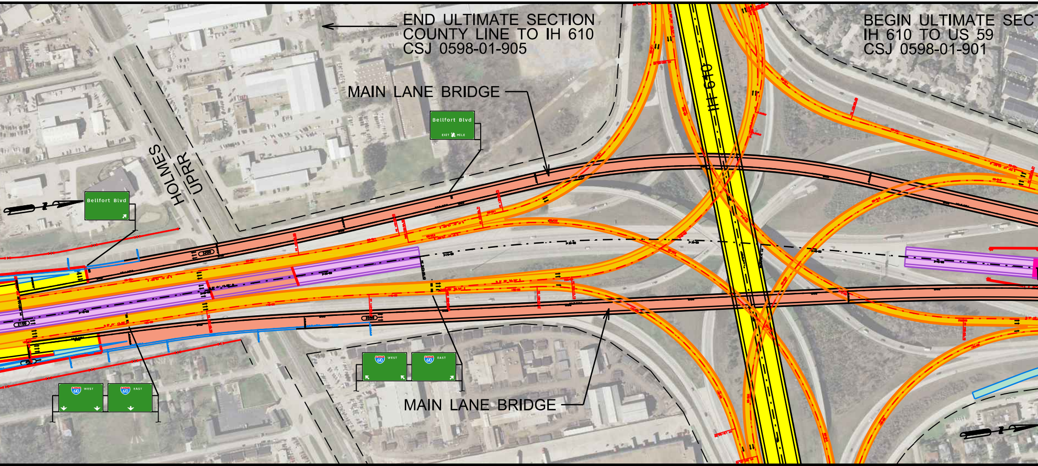
PROPOSED RAMPS

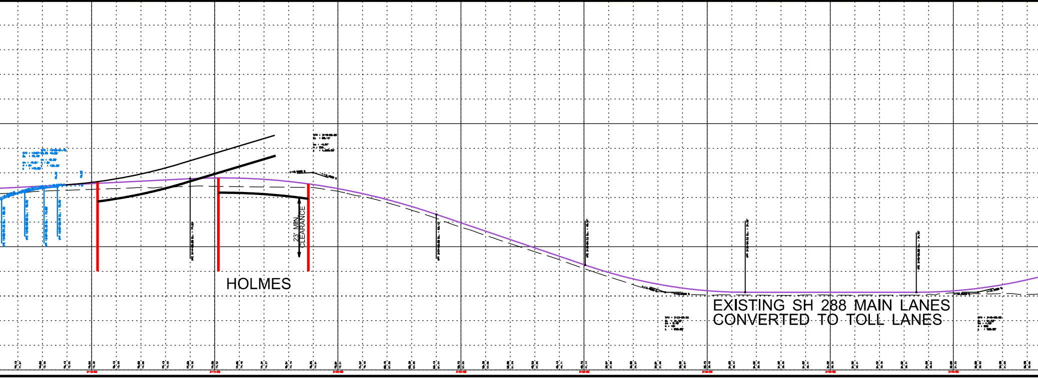

5' MIN.
5'
28'
1'
14'
12'
1'
16'
28'
1'
12'
14'
1'
5' MIN.
5'
2% MAX
2% USUAL
2% USUAL
2% MAX

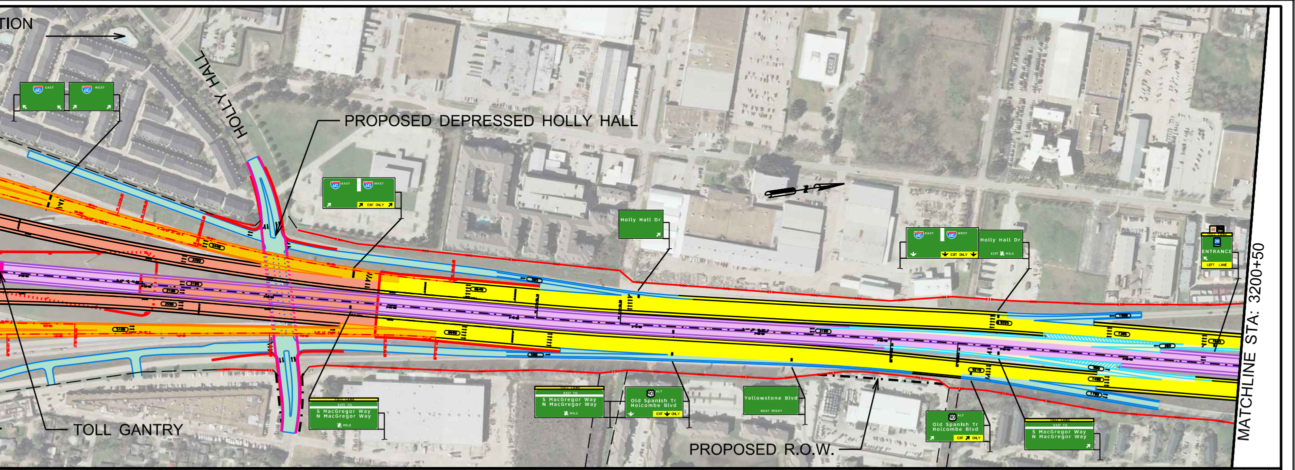
PROPOSED HOLLY HALL

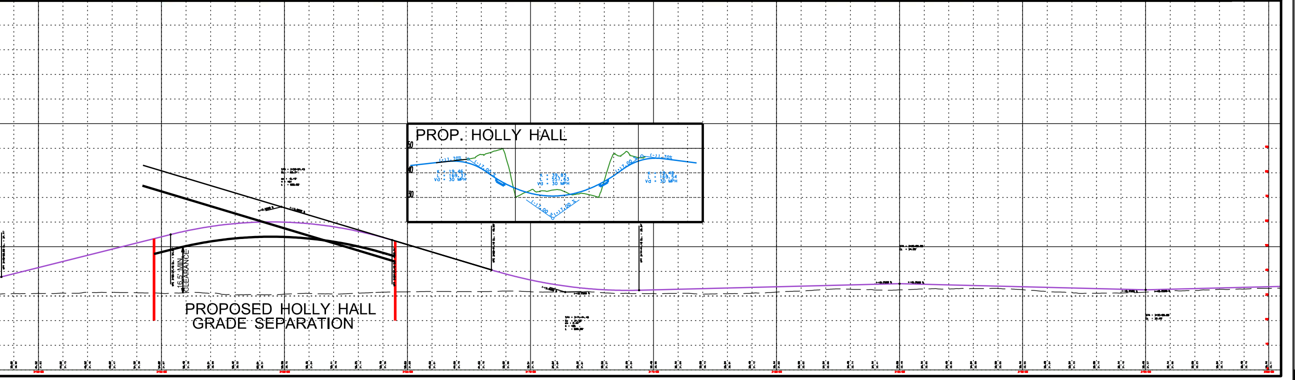

MATCHLINE STA: 3070+00
TOLL EXITS
8
3
4
Reed Rd
EXIT ONLY
TOLL LANE
288
ENTRANCE
ONLY
BELLFORT
TOLL LANE
288
ENTRANCE
1 MILE
ONLY
Reed Rd
EXIT ONLY
610 WEST
610 EAST
EXIT ½ MILE
EXIT ONLY
610 WEST
610 EAST
EXIT ONLY
288 NORTH
Downtown
610 WEST
610 EAST
EXIT ONLY
288 NORTH
Downtown


16.5' MIN CLEARANCE
BELLFORT


END ULTIMATE SECTION
COUNTY LINE TO IH 610
CSJ 0598-01-905
BEGIN ULTIMATE SEC
IH 610 TO US 59
CSJ 0598-01-901
MAIN LANE BRIDGE
Bellfort Blvd
EXIT 1/2 MILE
Bellfort Blvd
HOLMES
UPRR
IH 610
610 WEST
610 EAST
610 WEST
610 EAST
MAIN LANE BRIDGE


23' MIN. CLEARANCE
HOLMES
EXISTING SH 288 MAIN LANES
CONVERTED TO TOLL LANES


TION
610 EAST
610 WEST
HOLLY HALL
PROPOSED DEPRESSED HOLLY HALL
610 EAST
610 WEST
EXIT ONLY
Holly Hall Dr
610 EAST
610 WEST
EXIT ONLY
Holly Hall Dr
EXIT ¼ MILE
288
ENTRANCE
LEFT LANE
TOLL LANE
EXIT TO
S MacGregor Way
N MacGregor Way
½ MILE
TOLL LANE
EXIT TO
S MacGregor Way
N MacGregor Way
¼ MILE
90 ALT
Old Spanish Tr
Holcombe Blvd
EXIT ONLY
Yellowstone Blvd
NEXT RIGHT
90 ALT
Old Spanish Tr
Holcombe Blvd
EXIT ONLY
TOLL LANE
EXIT TO
S MacGregor Way
N MacGregor Way
TOLL GANTRY
PROPOSED R.O.W.
MATCHLINE STA: 3200+50


PROP. HOLLY HALL
50
40
30
(+)1.70%
(-)7.00 %
K = 19.46
L = 169.37
Vd = 30 MPH
K = 39.85
L = 557.63
Vd = 30 MPH
(-)7.00 %
(+)7.00 %
(+)7.00 %
(-)1.70%
K = 19.48
L = 169.54
Vd = 30 MPH
16.5' MIN. CLEARANCE
PROPOSED HOLLY HALL
GRADE SEPARATION