HOUSTON DISTRICT
PROJECT DEVELOPMENT

PUBLIC HEARING LAYOUT

NHHP
I-45 SEGMENT 1

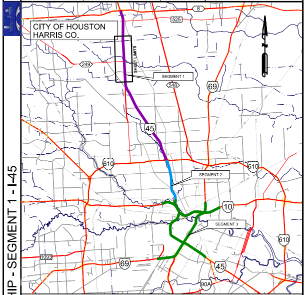
COUNTY: HARRIS
LIMITS FROM: I-610
LIMITS TO: BELTWAY 8
DATE: 4/18/2017
APPROVED:

CONSTRUCTION CSJ: 0110-06-132
0110-06-139
0500-03-446
0500-03-596
PRELIMINARY CSJ: 0912-00-146

ROADWAY	FUNCTIONAL CLASSIFICATION	DESIGN SPEED
MAINLANES	URBAN FREEWAY	
DIRECT CONNECTORS	DIRECT CONNECTORS	
RAMPS	RAMPS	
COLLECTOR-DISTRIBUTORS	COLLECTOR-DISTRIBUTORS	
FRONTAGE ROADS	URBAN COLLECTOR	
SIDE STREETS	URBAN MINOR ARTERIAL/ URBAN COLLECTOR	

HORZ SCALE
0 50 100 200

VERT SCALE
0 5 10 20


CITY OF HOUSTON
HARRIS CO.
8
525
249
548
SHEET LIMITS
SEGMENT 1
69
45
610
610
SEGMENT 2
10
SEGMENT 3
610
1093
69
45
90A

LOCATION MAP : N.T.S.

SURVEY DATA: TEXAS SOUTH CENTRAL ZONE #4204 (HARRIS COUNTY)
ADJUSTED TO SURFACE USING COMBINED SCALE FACTOR 1.00013

LEGEND

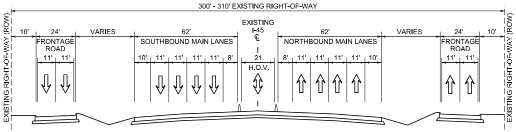
DESCRIPTION	ROADWAY	BRIDGE	STYLE	LINE WT	COLOR CODE	
PROPOSED CENTERLINE			— · —	2	BLACK	0
PROPOSED I-45 MAINLANES	🟨	🟥	—	2	BLACK	0
PROPOSED I-45 MAX LANES	🟪		—	2	BLACK	0
PROPOSED FRONTAGE ROAD/LOCAL STREET	🟩	🟩	—	2	BLACK	0
PROPOSED MAINLANE RAMP	🟦	🟦	—	2	BLACK	0
PROPOSED MAX LANE RAMP	🟪		—	2	BLACK	0
PROPOSED DIRECT CONNECTOR	🟧		—	2	BLACK	0
PROPOSED METRO CONNECTOR	🟫		—	2	BLACK	0
PROPOSED EMBANKMENT			—	2	RED	3
PROPOSED RETAINING WALL			—	2	RED	3
PROPOSED STRIPING			—	2	BLACK	0
PROPOSED SIDEWALK			—	2	ROSY BROWN	237
PROPOSED DEIS ROW			— - —	6	BLACK	0
PROPOSED FEIS ROW			— - —	6	BLUE	126
PROPOSED CONTROL OF ACCESS			—	2	RED	3
PROPOSED LANE DIRECTIONAL INDICATOR			➡	1	BLACK	0
RECOMMENDED NOISE ABATEMENT WALL			—	2	PURPLE	37
EXISTING RDWY TO BE REMOVED			▨	2	GRAY	236
EXISTING ROW			— — —	1	BLACK	0
PLANIMETRIC				2	GREEN	2
LIMITS OF FLOODWAY			—	1	LIGHT BLUE	126
EXISTING LANE DIRECTIONAL INDICATOR			⇨	1	BLACK	0
TRAFFIC COUNT YEAR (2040) DHV			0000	1	BLACK	0
AM MAX LANE TRAFFIC COUNT YEAR (2040) DHV			0000 AM	1	BLACK	0
PM MAX LANE TRAFFIC COUNT YEAR (2040) DHV			0000 PM	1	BLACK	0

NOT A BIDDING DOCUMENT
________________ ,P.E.
TBPE NO. ________
____

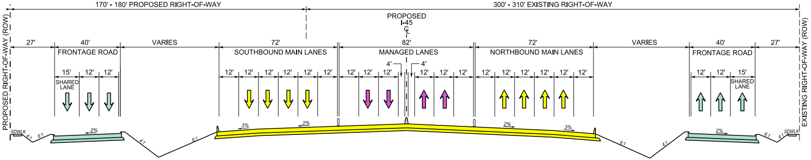
ROADWAY: I-45
COUNTY: HARRIS
LIMITS FROM: I-610
LIMITS TO: BELTWAY 8

NHHP - SEGMENT 1 - I-45

PRELIMINARY
SUBJECT TO CHANGE

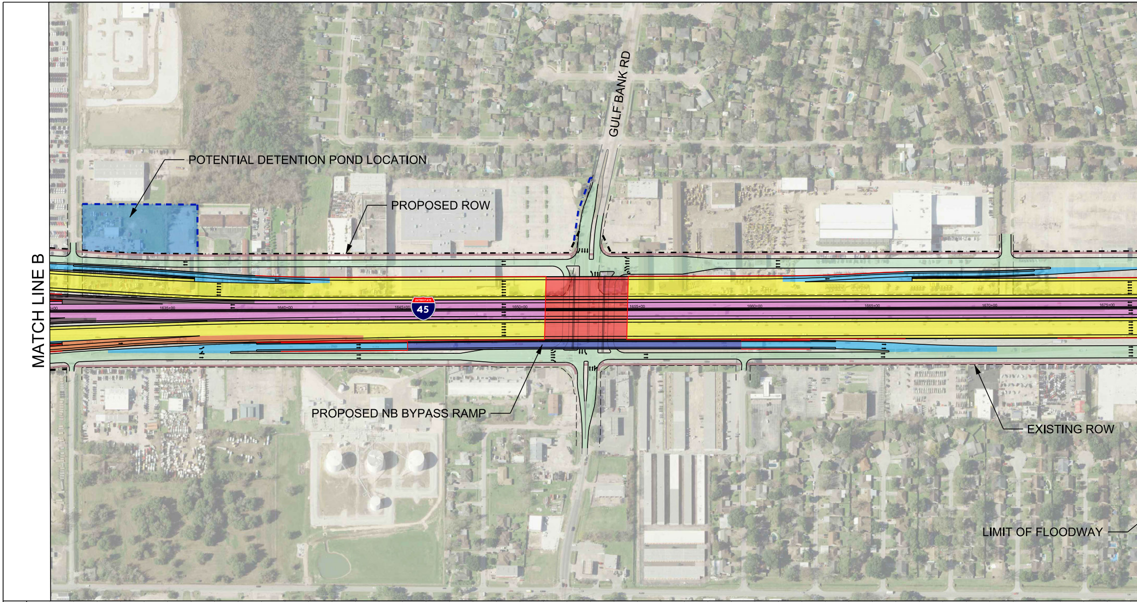

300' - 310' EXISTING RIGHT-OF-WAY
EXISTING RIGHT-OF-WAY (ROW)
10'
24'
FRONTAGE ROAD
11'
11'
VARIES
62'
SOUTHBOUND MAIN LANES
10'
11'
11'
11'
11'
8'
EXISTING
I-45
℄
21
H.O.V.
62'
NORTHBOUND MAIN LANES
8'
11'
11'
11'
11'
10'
VARIES
24'
FRONTAGE ROAD
11'
11'
10'
EXISTING RIGHT-OF-WAY (ROW)

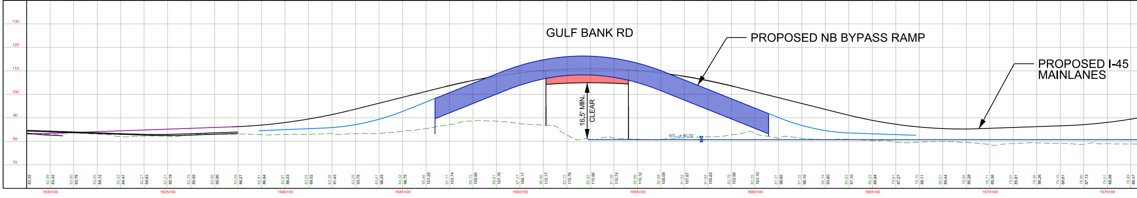
EXISTING TYPICAL SECTION
SHEPHERD DRIVE TO WEST ROAD

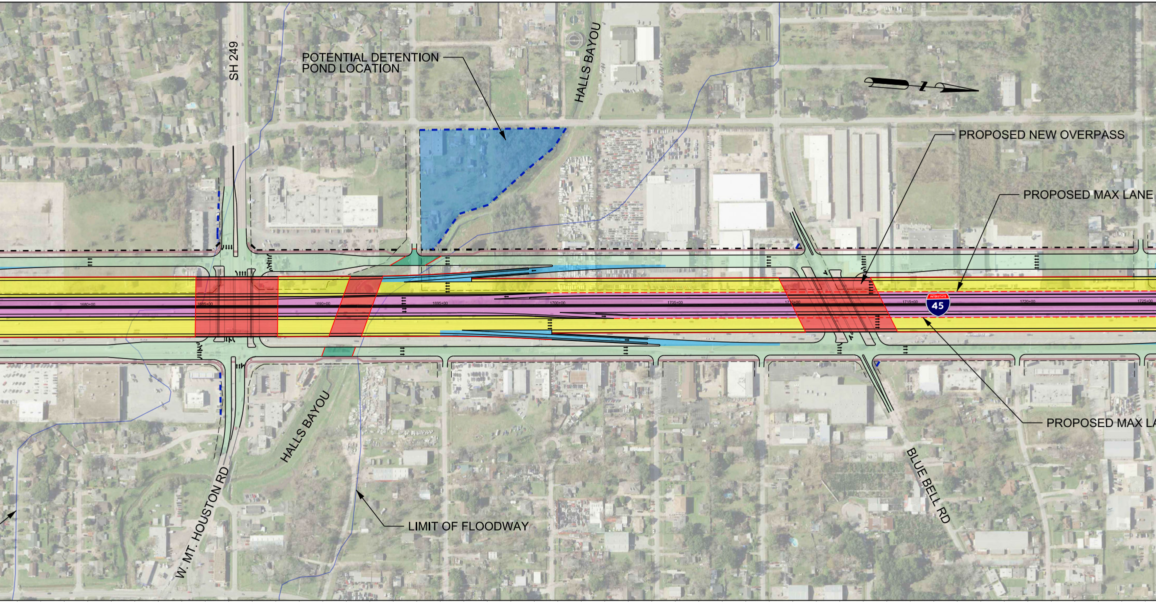

170' - 180' PROPOSED RIGHT-OF-WAY
300' - 310' EXISTING RIGHT-OF-WAY
PROPOSED RIGHT-OF-WAY (ROW)
PROPOSED
I-45
℄
27'
40'
FRONTAGE ROAD
15'
12'
12'
SHARED LANE
VARIES
72'
SOUTHBOUND MAIN LANES
12'
12'
12'
12'
12'
12'
82'
MANAGED LANES
12'
12'
12'
4'
4'
12'
12'
12'
72'
NORTHBOUND MAIN LANES
12'
12'
12'
12'
12'
12'
VARIES
40'
FRONTAGE ROAD
12'
12'
15'
SHARED LANE
27'
EXISTING RIGHT-OF-WAY (ROW)
SDWLK
4:1
6:1
2%
4:1
6:1
3%
2%
2%
3%
6:1
4:1
2%
6:1
4:1
SDWLK

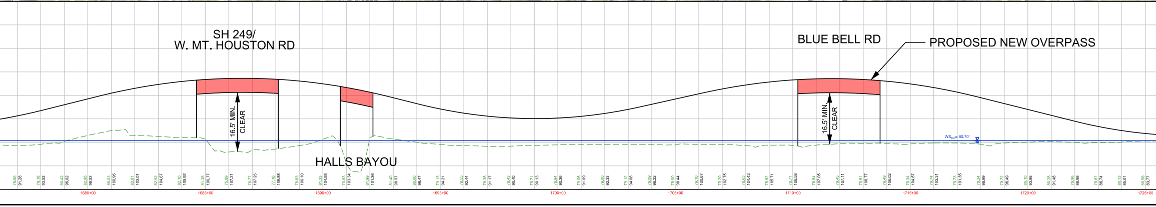
PROPOSED TYPICAL SECTION
SHEPHERD DRIVE TO WEST ROAD

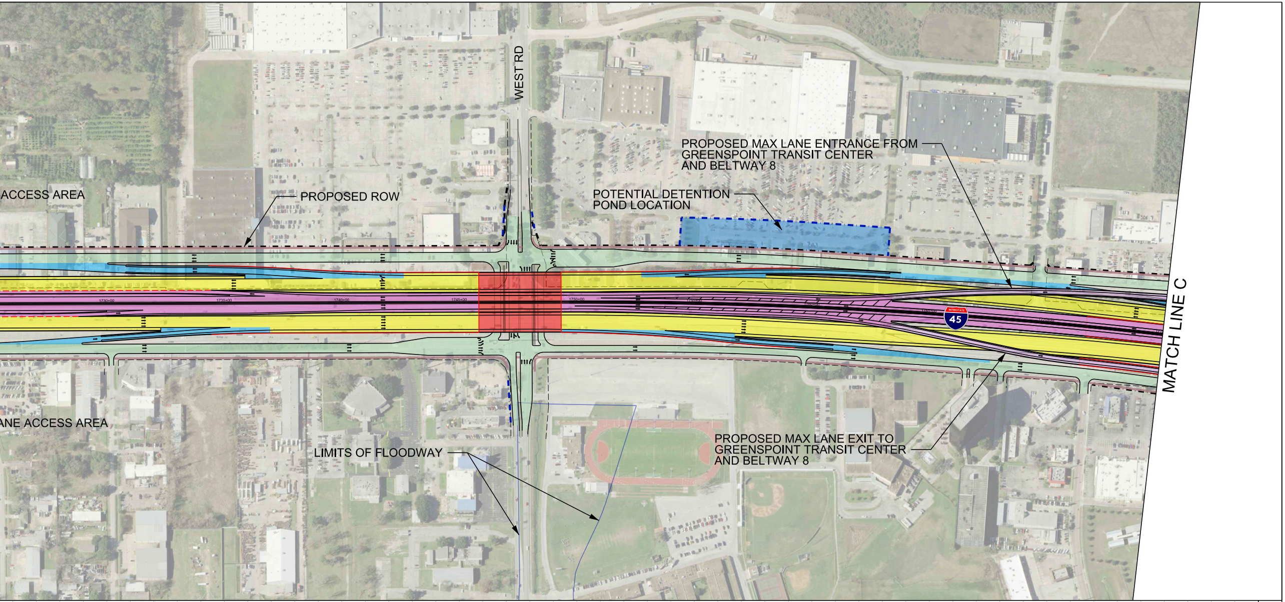
PRELIMINARY SUBJECT TO CHANGE


MATCH LINE B
GULF BANK RD
POTENTIAL DETENTION POND LOCATION
PROPOSED ROW
45
1635+00
1640+00
1645+00
1650+00
1655+00
1660+00
1665+00
1670+00
1675+00
PROPOSED NB BYPASS RAMP
EXISTING ROW
LIMIT OF FLOODWAY

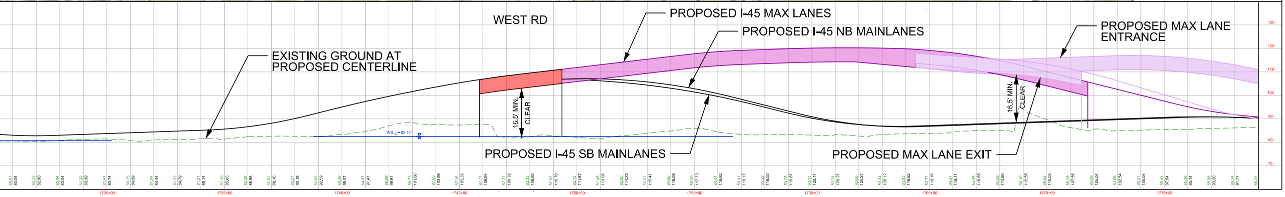

GULF BANK RD
PROPOSED NB BYPASS RAMP
PROPOSED I-45 MAINLANES
16.5' MIN. CLEAR
WS = 80.70'
130
120
110
100
90
80
70
1630+00
1635+00
1640+00
1645+00
1650+00
1655+00
1660+00
1665+00
1670+00
1675+00


SH 249
POTENTIAL DETENTION POND LOCATION
HALLS BAYOU
PROPOSED NEW OVERPASS
PROPOSED MAX LANE
1680+00
1685+00
1690+00
1695+00
1700+00
1705+00
1710+00
1715+00
1720+00
1725+00
45
HALLS BAYOU
W. MT. HOUSTON RD
LIMIT OF FLOODWAY
BLUE BELL RD
PROPOSED MAX LA


SH 249/
W. MT. HOUSTON RD
16.5' MIN. CLEAR
HALLS BAYOU
BLUE BELL RD
PROPOSED NEW OVERPASS
16.5' MIN. CLEAR
WS = 80.70'
1680+00
1685+00
1690+00
1695+00
1700+00
1705+00
1710+00
1715+00
1720+00
1725+00



ACCESS AREA
PROPOSED ROW
WEST RD
POTENTIAL DETENTION POND LOCATION
PROPOSED MAX LANE ENTRANCE FROM GREENSPOINT TRANSIT CENTER AND BELTWAY 8
45
MATCH LINE C
ANE ACCESS AREA
LIMITS OF FLOODWAY
PROPOSED MAX LANE EXIT TO GREENSPOINT TRANSIT CENTER AND BELTWAY 8



WEST RD
PROPOSED I-45 MAX LANES
PROPOSED I-45 NB MAINLANES
PROPOSED MAX LANE ENTRANCE
EXISTING GROUND AT PROPOSED CENTERLINE
16.5' MIN. CLEAR
16.5' MIN. CLEAR
PROPOSED I-45 SB MAINLANES
PROPOSED MAX LANE EXIT
1730+00
1735+00
1740+00
1745+00
1750+00
1755+00
1760+00
1765+00
1770+00
1775+00
130
120
110
100
90
80
70

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PRELIMINARY
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