HOUSTON DISTRICT
PROJECT DEVELOPMENT

PUBLIC HEARING LAYOUT

NHHP
I-45 SEGMENT 1

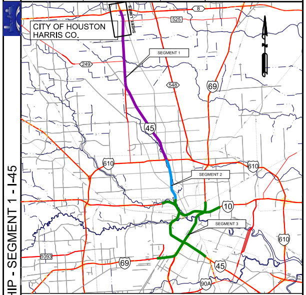
COUNTY: HARRIS
LIMITS FROM: I-610
LIMITS TO: BELTWAY 8
DATE: 4/18/2017
APPROVED:

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.
SHEET LIMITS
8
525
SEGMENT 1
249
548
69
45
610
SEGMENT 2
610
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

NHHIP - SEGMENT 1 - I-45

PRELIMINARY
SUBJECT TO CHANGE

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

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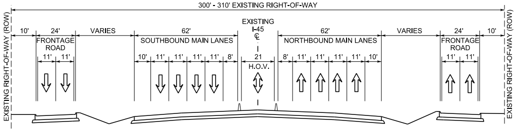
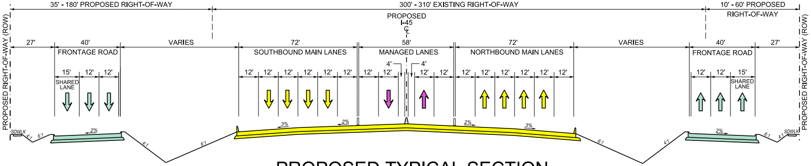
LIMITS TO: BELTWAY 8

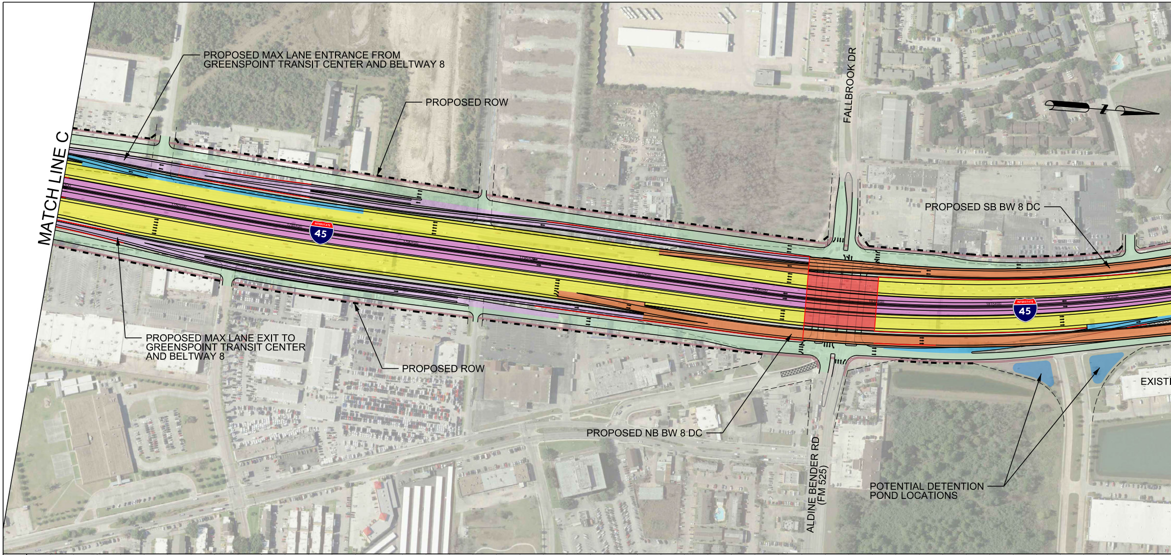

300' - 310' EXISTING RIGHT-OF-WAY
EXISTING RIGHT-OF-WAY (ROW)
10'
24'
FRONTAGE ROAD
11'
11'
VARIES
62'
SOUTHBOUND MAIN LANES
10'
11'
11'
11'
11'
8'
EXISTING
I-45
℄
21
H.O.V.
62'
NORTHBOUND MAIN LANES
8'
11'
11'
11'
11'
10'
VARIES
24'
FRONTAGE ROAD
11'
11'
10'
EXISTING RIGHT-OF-WAY (ROW)

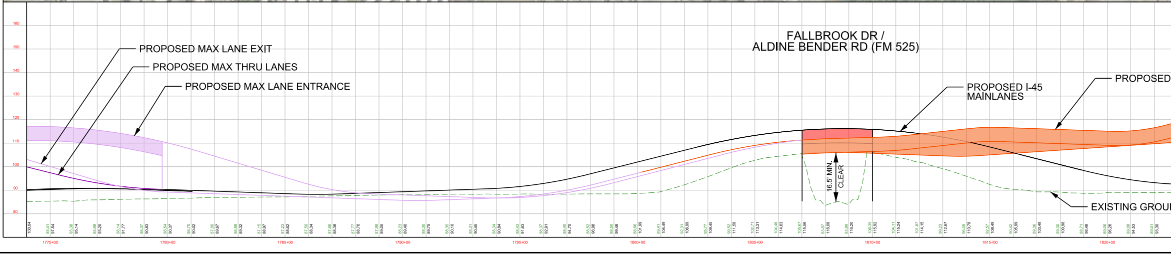
EXISTING TYPICAL SECTION
WEST ROAD TO FM 525/ALDINE BENDER

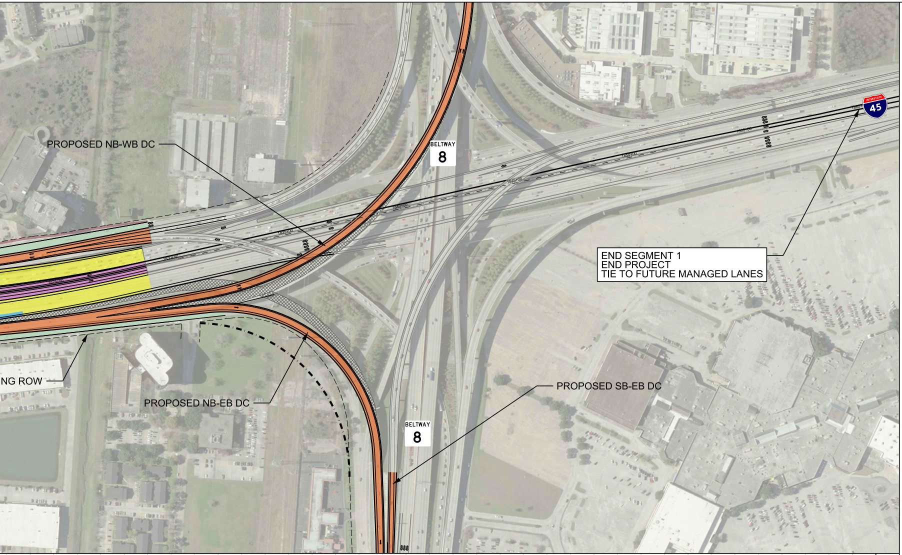

35' - 180' PROPOSED RIGHT-OF-WAY
300' - 310' EXISTING RIGHT-OF-WAY
10' - 60' PROPOSED RIGHT-OF-WAY
PROPOSED RIGHT-OF-WAY (ROW)
PROPOSED
I-45
℄
27'
40'
FRONTAGE ROAD
15'
12'
12'
SHARED LANE
VARIES
72'
SOUTHBOUND MAIN LANES
12'
12'
12'
12'
12'
12'
58'
MANAGED LANES
4'
4'
12'
12'
12'
12'
72'
NORTHBOUND MAIN LANES
12'
12'
12'
12'
12'
12'
VARIES
40'
FRONTAGE ROAD
12'
12'
15'
SHARED LANE
27'
PROPOSED 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

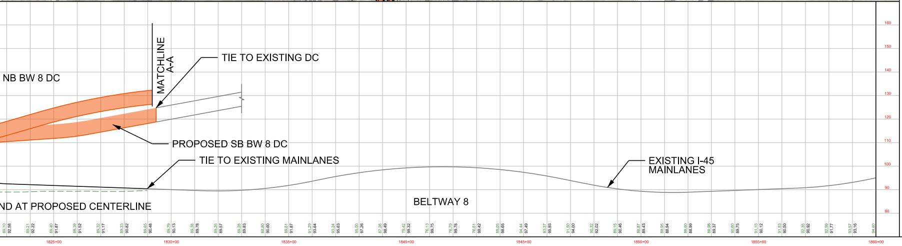
PROPOSED TYPICAL SECTION
WEST ROAD TO FM 525/ALDINE BENDER

PRELIMINARY SUBJECT TO CHANGE

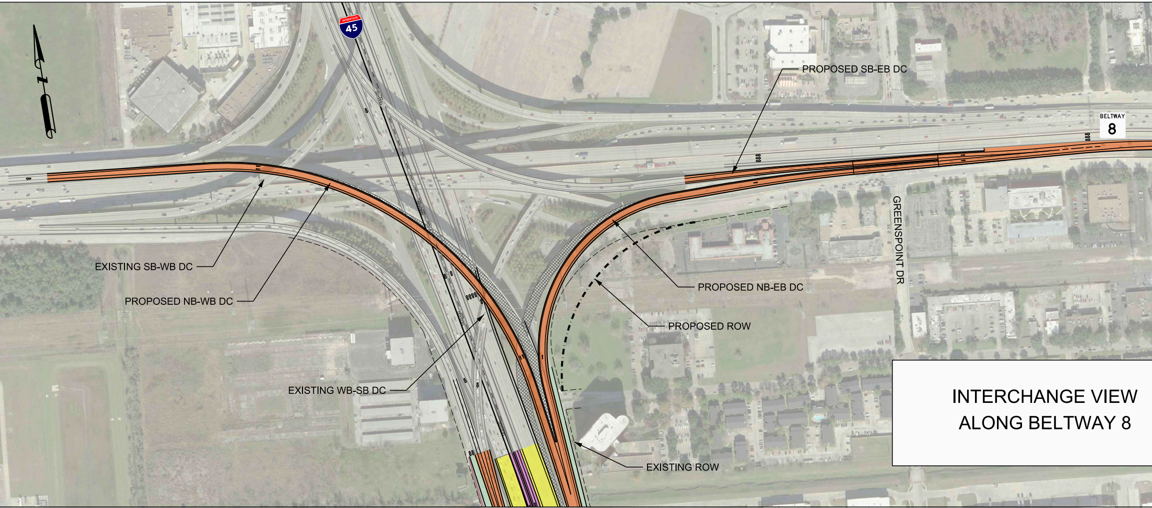

MATCH LINE C
PROPOSED MAX LANE ENTRANCE FROM GREENSPOINT TRANSIT CENTER AND BELTWAY 8
PROPOSED ROW
FALLBROOK DR
PROPOSED SB BW 8 DC
45
45
PROPOSED MAX LANE EXIT TO GREENSPOINT TRANSIT CENTER AND BELTWAY 8
PROPOSED ROW
PROPOSED NB BW 8 DC
ALDINE BENDER RD (FM 525)
POTENTIAL DETENTION POND LOCATIONS
EXISTI


FALLBROOK DR / ALDINE BENDER RD (FM 525)
PROPOSED MAX LANE EXIT
PROPOSED MAX THRU LANES
PROPOSED MAX LANE ENTRANCE
PROPOSED I-45 MAINLANES
PROPOSED
16.5' MIN. CLEAR
EXISTING GROU
160
150
140
130
120
110
100
90
80
1775+00
1780+00
1785+00
1790+00
1795+00
1800+00
1805+00
1810+00
1815+00
1820+00

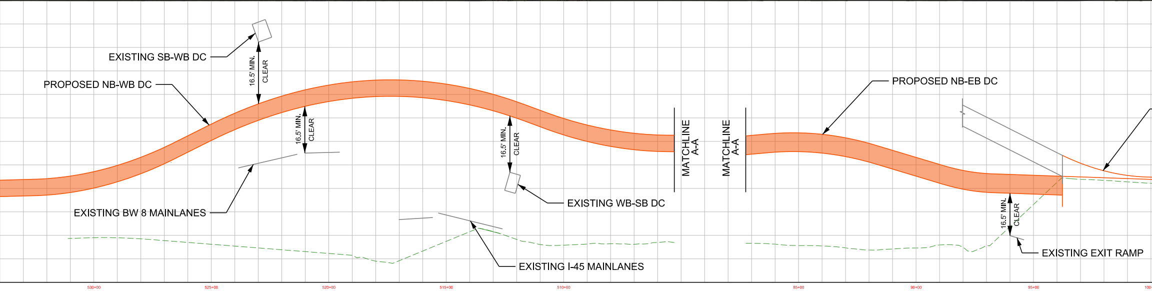

PROPOSED NB-WB DC
BELTWAY
8
45
END SEGMENT 1
END PROJECT
TIE TO FUTURE MANAGED LANES
NG ROW
PROPOSED NB-EB DC
PROPOSED SB-EB DC
BELTWAY
8

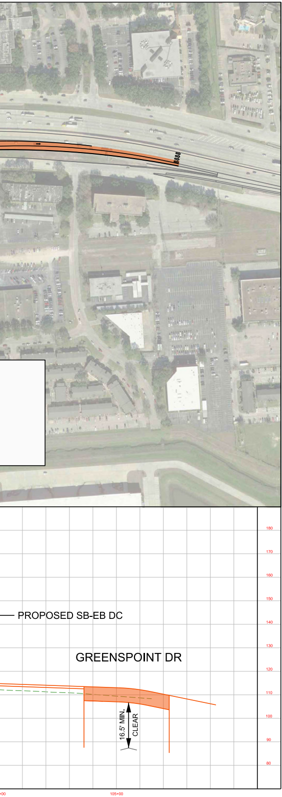

NB BW 8 DC
MATCHLINE
A-A
TIE TO EXISTING DC
PROPOSED SB BW 8 DC
TIE TO EXISTING MAINLANES
EXISTING I-45
MAINLANES
BELTWAY 8
ND AT PROPOSED CENTERLINE
160
150
140
130
120
110
100
90
80
1825+00
1830+00
1835+00
1840+00
1845+00
1850+00
1855+00
1860+00

180
170
160
150
140
130
120
110
100
90
80


45
PROPOSED SB-EB DC
BELTWAY
8
EXISTING SB-WB DC
PROPOSED NB-WB DC
PROPOSED NB-EB DC
GREENSPOINT DR
PROPOSED ROW
EXISTING WB-SB DC
EXISTING ROW

INTERCHANGE VIEW ALONG BELTWAY 8


EXISTING SB-WB DC
16.5' MIN. CLEAR
PROPOSED NB-WB DC
16.5' MIN. CLEAR
16.5' MIN. CLEAR
MATCHLINE A-A
MATCHLINE A-A
PROPOSED NB-EB DC
EXISTING BW 8 MAINLANES
EXISTING WB-SB DC
EXISTING I-45 MAINLANES
16.5' MIN. CLEAR
EXISTING EXIT RAMP
530+00
525+00
520+00
515+00
510+00
85+00
90+00
95+00


PROPOSED SB-EB DC
GREENSPOINT DR
16.5' MIN. CLEAR
180
170
160
150
140
130
120
110
100
90
80
+00
105+00

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4
4