HOUSTON DISTRICT
PROJECT DEVELOPMENT

PUBLIC HEARING LAYOUT

NHHP
I-45 SEGMENT 1

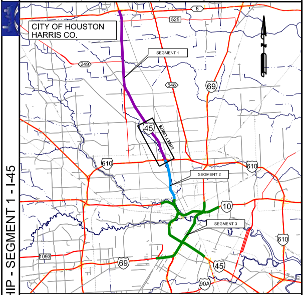
COUNTY: HARRIS
LIMITS FROM: I-610
LIMITS TO: BELTWAY 8
DATE: 4/18/2017
APPROVED:

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
SEGMENT 1
548
69
45
SHEET LIMITS
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 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

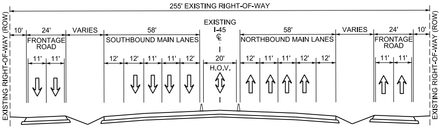
PRELIMINARY
SUBJECT TO CHANGE

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

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

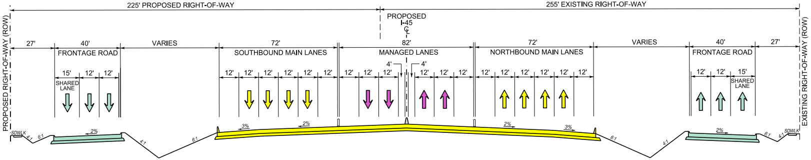
NHHP - SEGMENT 1 - I-45

PEN TABLE: PEN
SCALE: $SCALE$
TIME: $TIME$
DATE: $DATE$
FILE LOCATION: DGN
PREPARED BY: $USER$



255' EXISTING RIGHT-OF-WAY
EXISTING RIGHT-OF-WAY (ROW)
10'
24'
FRONTAGE ROAD
11'
11'
VARIES
58'
SOUTHBOUND MAIN LANES
12'
12'
11'
11'
12'
EXISTING
I-45
℄
20'
H.O.V.
58'
NORTHBOUND MAIN LANES
12'
11'
11'
12'
12'
VARIES
24'
FRONTAGE ROAD
11'
11'
10'
EXISTING RIGHT-OF-WAY (ROW)

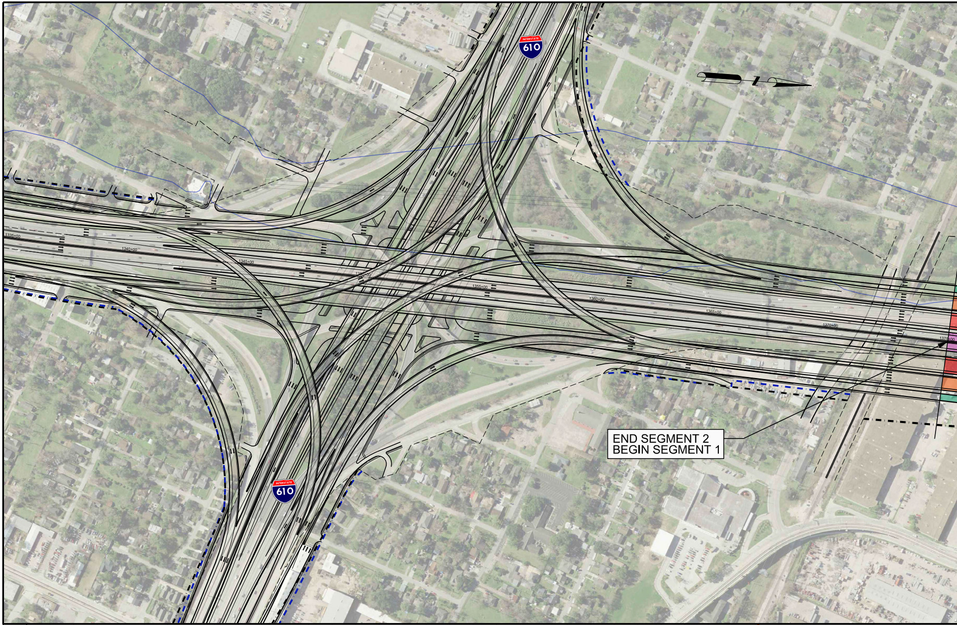
EXISTING TYPICAL SECTION
AIRLINE DRIVE TO SHEPHERD DRIVE

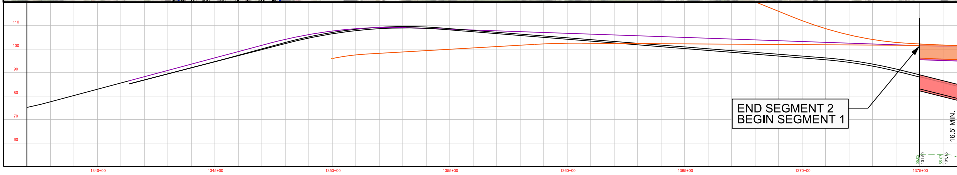


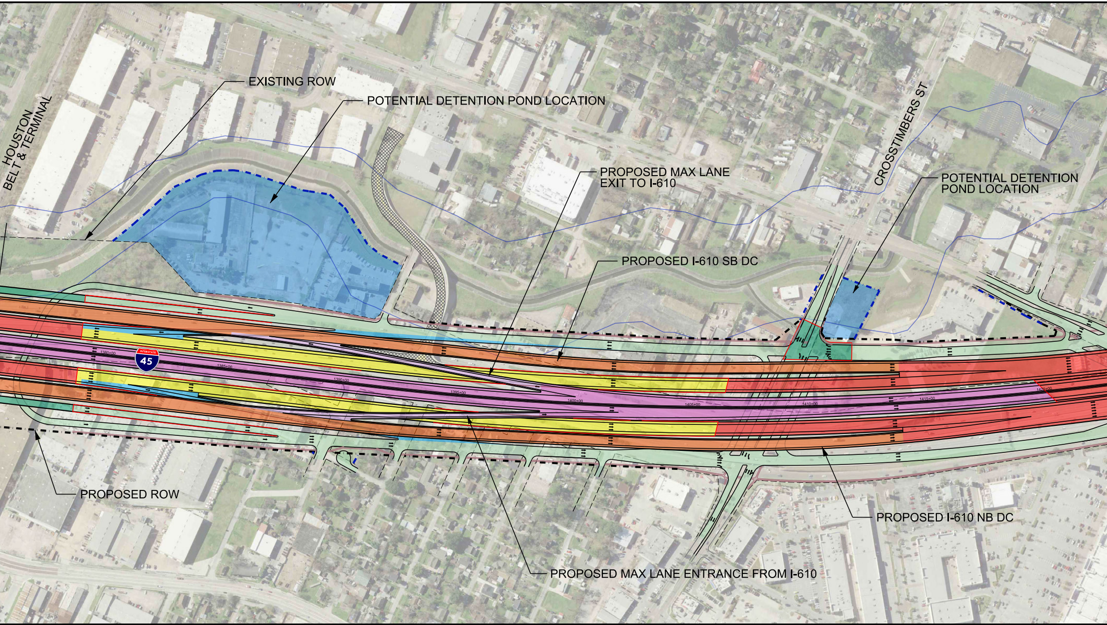
225' PROPOSED RIGHT-OF-WAY
255' EXISTING RIGHT-OF-WAY
PROPOSED RIGHT-OF-WAY (ROW)
PROPOSED
I-45
℄
27'
40'
FRONTAGE ROAD
15'
12'
12'
SHARED LANE
VARIES
72'
SOUTHBOUND MAIN LANES
12'
12'
12'
12'
12'
12'
82'
MANAGED LANES
12'
12'
12'
4'
4'
12'
12'
12'
72'
NORTHBOUND MAIN LANES
12'
12'
12'
12'
12'
12'
VARIES
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

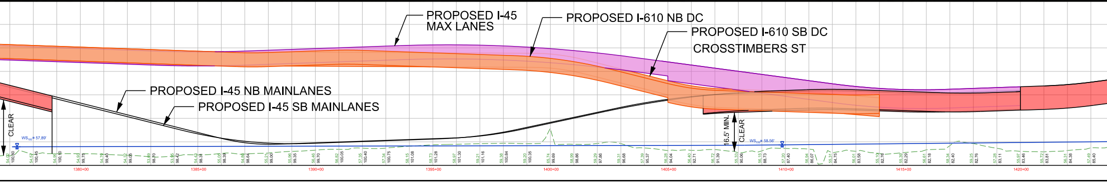
PROPOSED TYPICAL SECTION
AIRLINE DRIVE TO SHEPHERD DRIVE

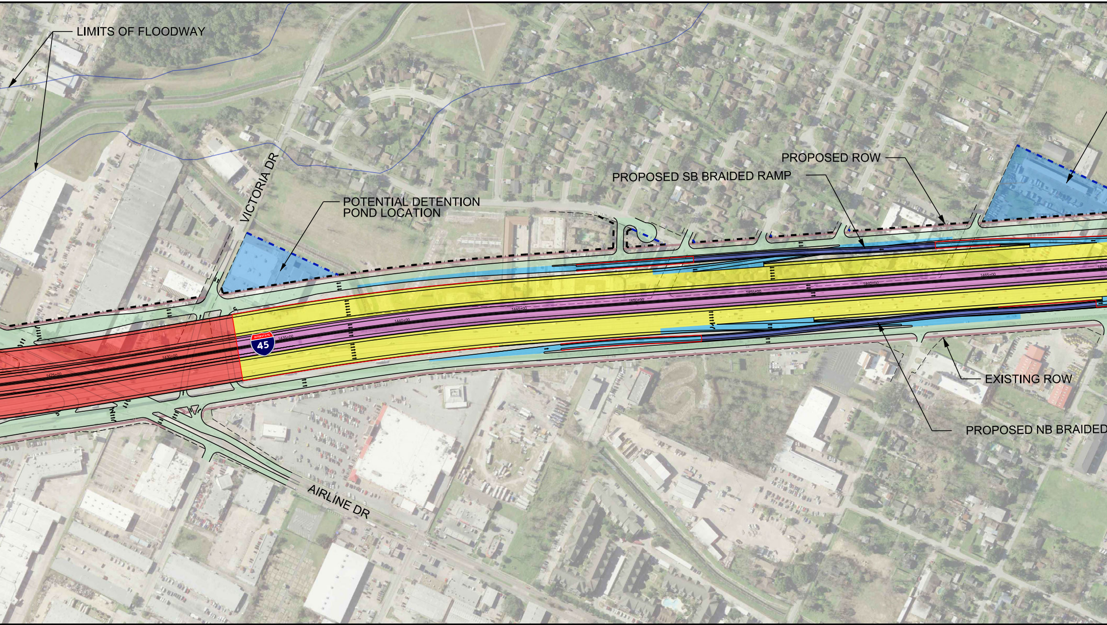
PRELIMINARY SUBJECT TO CHANGE

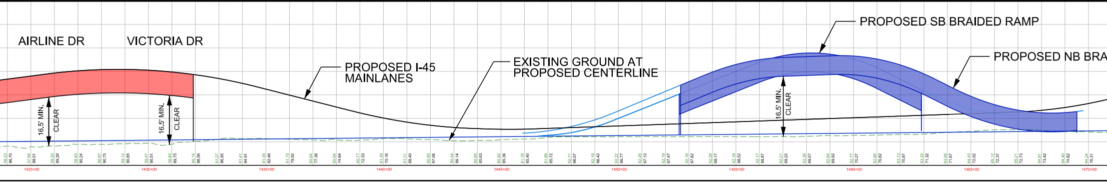

610
610
1335+00
1340+00
1345+00
1350+00
1355+00
1360+00
1365+00
1370+00
1375+00
END SEGMENT 2
BEGIN SEGMENT 1

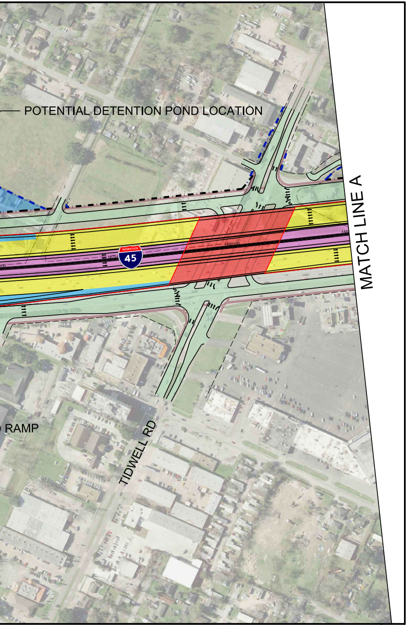


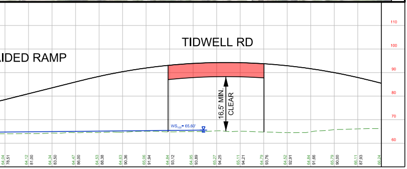

EXISTING ROW
POTENTIAL DETENTION POND LOCATION
HOUSTON BELT & TERMINAL
PROPOSED MAX LANE EXIT TO I-610
CROSSTIMBERS ST
POTENTIAL DETENTION POND LOCATION
PROPOSED I-610 SB DC
45
1380+00
1385+00
1390+00
1395+00
1400+00
1405+00
1410+00
1415+00
1420+00
PROPOSED ROW
PROPOSED I-610 NB DC
PROPOSED MAX LANE ENTRANCE FROM I-610


PROPOSED I-45 MAX LANES
PROPOSED I-610 NB DC
PROPOSED I-610 SB DC
CROSSTIMBERS ST
PROPOSED I-45 NB MAINLANES
PROPOSED I-45 SB MAINLANES
CLEAR
16.5' MIN. CLEAR
WS100 = 57.89'
WS100 = 58.56'
1380+00
1385+00
1390+00
1395+00
1400+00
1405+00
1410+00
1415+00
1420+00


LIMITS OF FLOODWAY
VICTORIA DR
POTENTIAL DETENTION POND LOCATION
PROPOSED ROW
PROPOSED SB BRAIDED RAMP
EXISTING ROW
PROPOSED NB BRAIDED
AIRLINE DR
45
1425+00
1430+00
1435+00
1440+00
1445+00
1450+00
1455+00
1460+00
1465+00


AIRLINE DR
VICTORIA DR
PROPOSED I-45 MAINLANES
EXISTING GROUND AT PROPOSED CENTERLINE
PROPOSED SB BRAIDED RAMP
PROPOSED NB BRA
16.5' MIN. CLEAR
16.5' MIN. CLEAR
16.5' MIN. CLEAR
58.23 86.70
57.94 88.01
58.20 89.29
58.83 90.24
58.97 90.75
59.12 90.85
59.47 90.51
58.83 89.75
60.14 88.56
61.27 86.95
61.41 84.91
61.39 82.46
61.15 79.92
60.84 77.38
60.94 74.84
60.77 72.33
61.39 70.16
61.31 68.40
60.95 67.06
60.44 66.14
60.60 65.63
60.92 65.36
61.16 65.40
61.89 65.72
62.11 66.07
62.19 66.42
62.22 66.77
62.26 67.12
62.19 67.47
62.18 67.82
62.28 68.17
62.18 68.52
62.17 68.87
62.21 69.22
62.36 69.57
62.64 69.92
62.77 70.27
62.90 70.62
63.13 70.97
63.32 71.32
63.95 71.67
64.43 72.02
65.12 72.37
65.21 72.73
64.91 73.42
64.40 74.62
64.24 76.31
1425+00
1430+00
1435+00
1440+00
1445+00
1450+00
1455+00
1460+00
1465+00
1470+00


POTENTIAL DETENTION POND LOCATION
INTERSTATE
45
1475+00
1480+00
MATCH LINE A
D RAMP
TIDWELL RD


IDED RAMP
TIDWELL RD
16.5' MIN. CLEAR
WS100 = 65.60'
110
100
90
80
70
60
64.04
78.51
64.12
81.00
64.34
83.50
64.47
86.00
64.53
88.38
64.63
90.36
65.06
91.94
64.84
93.12
64.95
93.89
65.27
94.25
65.11
94.21
64.79
93.76
64.52
92.91
64.84
91.66
65.79
90.00
66.11
87.93
66.24
1475+00
1480+00
1485+00

HOUSTON DISTRICT
PROJECT DEVELOPMENT

NHHIP - SEGMENT 1 - I-45

DATE: $DATE$
TIME: $TIME$
SCALE: $SCALE$
PEN TABLE: PEN

PRELIMINARY
SUBJECT TO CHANGE

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

FILE LOCATION: DGN
PREPARED BY: $USER$