FEIS SCHEMATIC

NHHIP
I-45 SEGMENT 3

COUNTY: HARRIS
LIMITS FROM: SCOTT ST
LIMITS TO: QUITMAN ST
DATE: 12/11/2019
APPROVED:

CONSTRUCTION CSJ:0027-13-200, 0027-13-201, 0027-13-221, 0500-03-598, 0500-03-599, 0500-03-601, 0500-08-001

PRELIMINARY CSJ: 0912-00-146, 0912-00-147, 0912-00-479

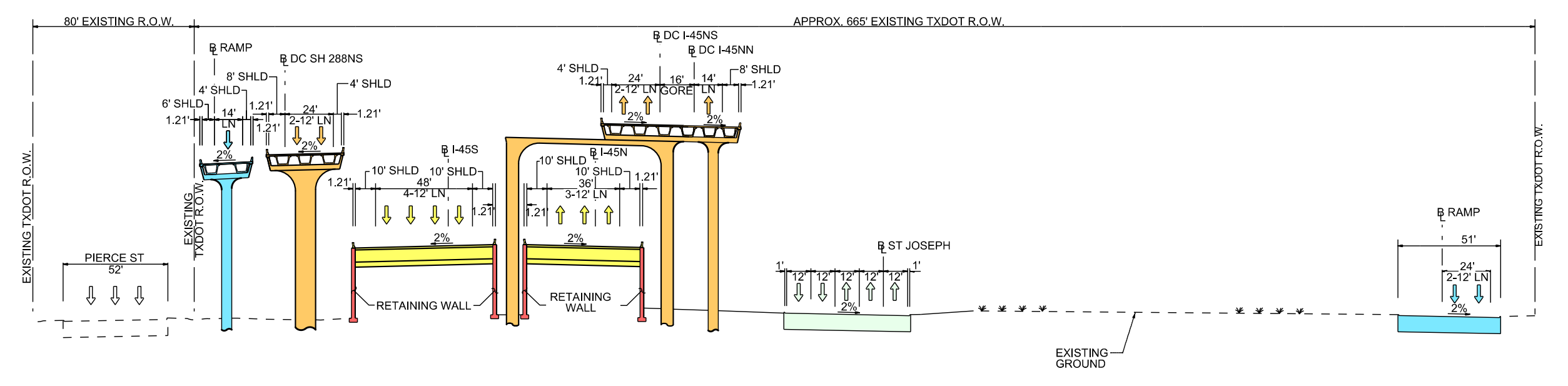
HOUSTON DISTRICT
PROJECT DEVELOPMENT

NHHIP - SEGMENT 3 - I-45

ROADWAY	FUNCTIONAL CLASSIFICATION	DESIGN SPEED
MAINLANES	URBAN FREEWAY	50 MPH
DIRECT CONNECTORS	DIRECT CONNECTORS	40 MPH
RAMPS	RAMPS	40 MPH
CITY STREETS	URBAN MINOR ARTERIAL/	30 MPH
	URBAN COLLECTOR	30 MPH

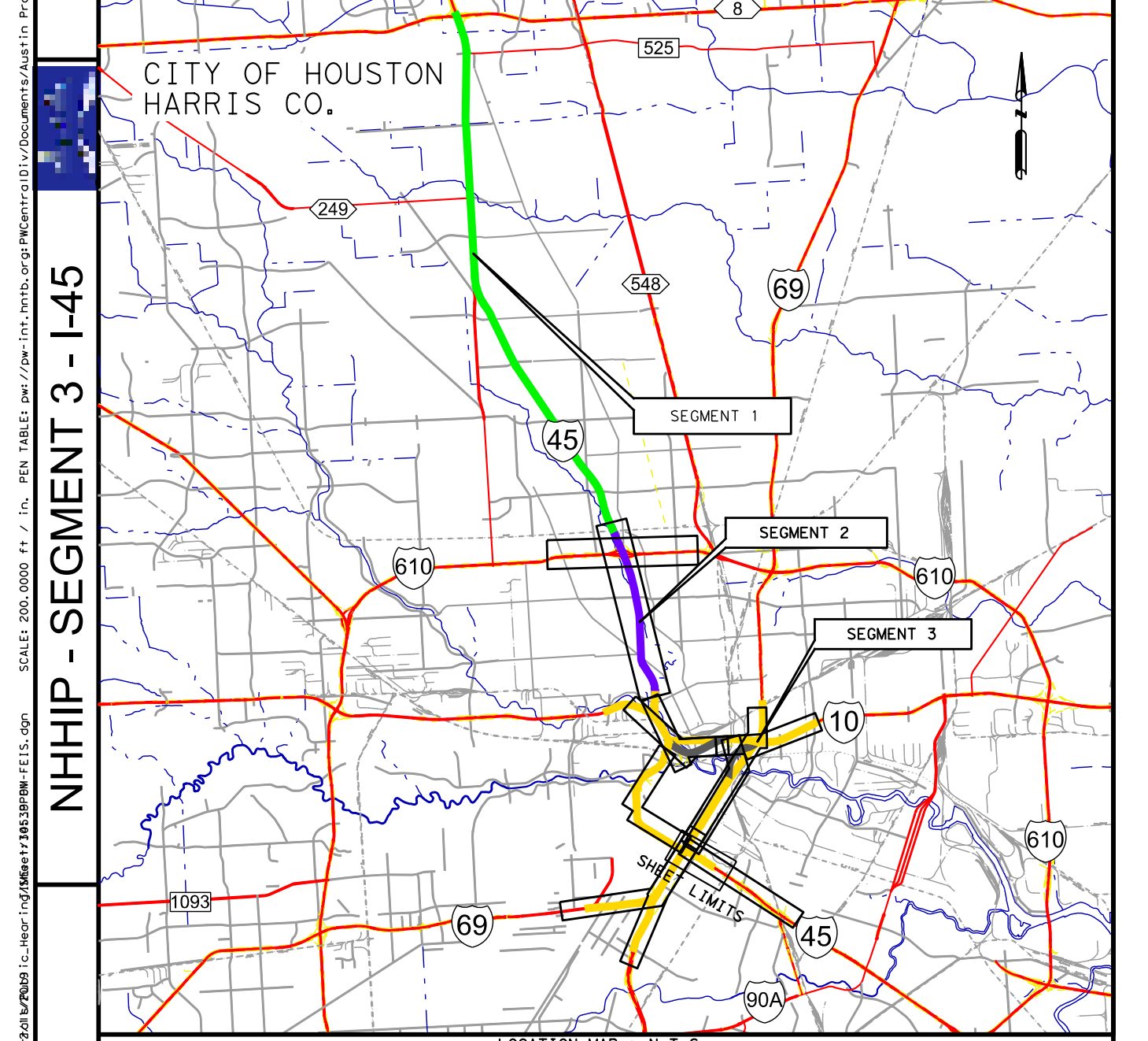
HORZ SCALE: 1"=200'
0 50 100 200

VERT SCALE: 1"=20'
0 5 10 20



80' EXISTING R.O.W.
APPROX. 665' EXISTING TXDOT R.O.W.
EXISTING TXDOT R.O.W.
PIERCE ST
52'
EXISTING TXDOT R.O.W.
℄ RAMP
8' SHLD
4' SHLD
6' SHLD
1.21'
14' LN
℄ DC SH 288NS
4' SHLD
1.21'
24' 2-12' LN
1.21'
2%
10' SHLD
48' 4-12' LN
10' SHLD
℄ I-45S
℄ DC I-45NS
℄ DC I-45NN
4' SHLD
8' SHLD
24' 2-12' LN
16' GORE
14' LN
1.21'
10' SHLD
℄ I-45N
10' SHLD
36' 3-12' LN
1.21'
RETAINING WALL
RETAINING WALL
℄ ST JOSEPH
EXISTING GROUND
℄ RAMP
51'
24' 2-12' LN
2%
EXISTING TXDOT R.O.W.

PROP. TYPICAL SECTION A-A
NTS



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

LOCATION MAP : N.T.S.
SURVEY DATA: TEXAS SOUTH CENTRAL ZONE #4204 (HARRIS COUNTY)
ADJUSTED TO SURFACE USING COMBINED SCALE FACTOR 1.00013

PLAN LEGEND

SYMBOLOGY	ROADWAY	BRIDGE	STYLE	LINE WT	COLOR CODE	
CENTERLINE			— - —	2	BLACK	0
I-45 MAINLANES	🟨	🟥	——	2	BLACK	0
I-69/US 59 MAINLANES	🟦	🟦	——	2	BLACK	0
I-10 MAINLANES	🟩	🟪	——	2	BLACK	0
SH 288 MAINLANES	🟪	🟫	——	2	BLACK	0
I-610 MAINLANES	🟩	🟩	——	2	BLACK	0
I-10 EXPRESS LANES	🟦	🟪	——	2	PINK	10
MAX LANES	🟪	🟪	——	2	PINK	28
LOCAL STREETS	🟩	🟦	——	2	BLUE	1
RAMPS	🟦	🟦	——	2	RED	3
DIRECT CONNECTOR	🟧	🟦	——	2	MAGENTA	5
PEDESTRIAN REALM	🟫	🟨	——	1	GREEN	155
HIGHWAY CAP/POTENTIAL OPEN SPACE			▨	7		
EXISTING RDWY TO BE REMOVED			▨	1		
SURPLUS ROW			▨	3	RED	3
PROPOSED CONTROL OF ACCESS			—‖—	0	RED	3
PROPOSED FEIS ROW			▬ ▪ ▬ ▪	6	BLUE	126
EXISTING ROW			— — —	1	BLACK	0
ACCESS ROAD			- - - - - -	1	BLUE	1
METRO RAIL RED (MAIN STREET LINE)			┼┼┼┼┼┼	1	RED	3
METRO RAIL(EAST END LINE)			┼┼┼┼┼┼	1	GREEN	156
METRO RAIL(SOUTHEAST LINE)			┼┼┼┼┼┼	1	PURPLE	203
RAILROAD			┼┼┼┼┼┼	1	BLACK	0
LIMITS OF FLOODWAY			——	1	BLUE	171
PLANIMETRIC			⬡	2	GREEN	2
TRAFFIC COUNT YEAR (2040) DHV			0000	0	BLACK	0
AM MAX LANE TRAFFIC COUNT YEAR (2040) DHV			0000 AM	0	BLACK	0
PM MAX LANE TRAFFIC COUNT YEAR (2040) DHV			0000 PM	0	BLACK	0
EXISTING LANE DIRECTIONAL INDICATOR:						
MAIN LANES			⇨	0	BLACK	0
TURNAROUNDS			⇨	0	BLUE	168
PROPOSED LANE DIRECTIONAL INDICATOR:						
MAIN LANES			→	1	BLACK	0
TURNAROUNDS			→	1	BLUE	168
RAMPS			→	1	RED	3
DIRECT CONNECTOR			→	1	RED	139
MAX LANES			→	1	MAGENTA	5
DEPRESSED			—٨—٨—	3	RED	3
BY OTHERS			– – –	3	BLUE	1
RETAINING WALL			▬▬	6	RED	3
PROPOSED AESTHETIC WALL			▬▬	6	PURPLE	203
PROPOSED NOISE BARRIER			▬▬	6	LT GREEN	196

HNTB Corporation
1301 Fannin St, Suite 2000
Houston, TX 77002
TBPE Firm Registration No. 420

PRELIMINARY
SUBMITTED FOR REVIEW
Engineer: DARRIN J. WILLER
P.E. Serial No.: 82119
Date: 12/11/2019
Signature:
NOT FOR CONSTRUCTION, BIDDING OR PERMITTING

TxDOT (DISTRICT-"APPROVED BY") LETTER DATED

FHWA REPRESENTATIVES ("APPROVED BY") LETTER DATED

SHEET 1 OF 9

ROADWAY: I-45 NORTH
COUNTY: HARRIS
LIMITS FROM: BELTWAY 8
LIMITS TO: I-69

1/9

PREPARED BY: mmckenna

FILE LOCATION: pw://pw-int.hntb.org:PWCentralDiv/Documents/Austin Projects/58557 SPD 5 by 25/Design and Engineering/I45_NHHIP/Plot/58557_IH45.pen

EXISTING ROW
EXISTING ROW
EXISTING ROW
EXISTING ROW
EXISTING ROW
PROPOSED NOISE BARRIER
PROPOSED NOISE BARRIER
PROPOSED NOISE BARRIER
PROPOSED NOISE BARRIER
BY OTHERS
PROPOSED ROW
SURPLUS ROW
PRELIMINARY SUBJECT TO CHANGE
PRELIMINARY SUBJECT TO CHANGE
PRELIMINARY SUBJECT TO CHANGE
PRELIMINARY SUBJECT TO CHANGE
PRELIMINARY SUBJECT TO CHANGE
SPUR 5
GULF FWY
GULF FWY
GULF FWY
CULLEN BLVD
CULLEN BLVD
CALLIE ST
MILBY ST
LUCINDA ST
SCOTT ST
CANFIELD ST
HADLEY ST
BREMOND ST
SAMPSON ST
HUSSION ST
MILLER ST
EDMUNDSON ST
COYLE ST
NAPOLEON ST
MCILHENNY ST
ROBERTS ST
TIERWESTER ST
NEEDLETON ST
BRILEY ST
WEBSTER ST
GRAY ST
SAUER ST
TRULLEY ST
LIVE OAK ST
SAINT CHARLES ST
EMANCIPATION AVE
BASTROP ST
HUTCHINS ST
CHENEVERT ST
PIERCE ST
ST JOSEPH PKWY
JEFFERSON ST
PEASE ST
LEELAND ST
VELASCO ST
ENNIS ST
DELANO ST
NAGLE ST
HOUSTON POLICE DEPT
69 59
69 59
45
A
A
965+00
970+00
975+00
980+00
985+00
990+00
991+03
995+00
1000+00
1005+00
1010+00
1015+00
1020+00
MATCH LINE STA 1025+00 ℄ I-45

PROFILE LEGEND
PROP. PGL @ CL/NB/EB MAINLANE
PROP. PGL @ SB/WB MAINLANE
PROP. PGL @ MAX LANES
EXISTING GROUND @ PGL
100 YR. W.S.E.
PROP. PGL @ NB/EB RAMP
PROP. PGL @ SB/WB RAMP
PROP. PGL @ NB/EB DC
PROP. PGL @ SB/WB DC
PROP. PGL @ NB/EB FRONTAGE
PROP. PGL @ SB/WB FRONTAGE
PROP. PGL @ LOCAL ST
EXIST. GRND. @ NB/EB ROW
EXIST. GRND. @ SB/WB ROW

HOUSTON DISTRICT
PROJECT DEVELOPMENT

NHHIP - SEGMENT 3 - I-45

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ROADWAY: I-45 NORTH
COUNTY: HARRIS
LIMITS FROM: BELTWAY 8
LIMITS TO: I-69

1/9

PREPARED BY: mmckenna