HOUSTON DISTRICT
PROJECT DEVELOPMENT

FEIS SCHEMATIC

NHHIP
I-69 SEGMENT 3

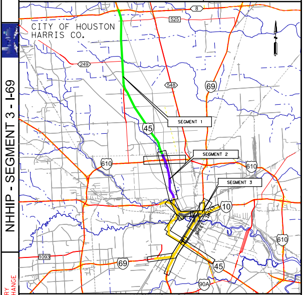
COUNTY: HARRIS
LIMITS FROM: MONTROSE BLVD
LIMITS TO: LYONS AVE
DATE: 12/11/2019
APPROVED:

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

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/ URBAN COLLECTOR	40 MPH 30 MPH

HORZ SCALE: 1"=200'
0 50 100 200
VERT SCALE: 1"=20'
0 5 10 20



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

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			⬭	0	BLACK	0
AM MAX LANE TRAFFIC COUNT YEAR (2040) DHV			▭ AM	0	BLACK	0
PM MAX LANE TRAFFIC COUNT YEAR (2040) DHV			▭ 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			—*—*—	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

PRELIMINARY
SUBJECT TO CHANGE

HNTB
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:

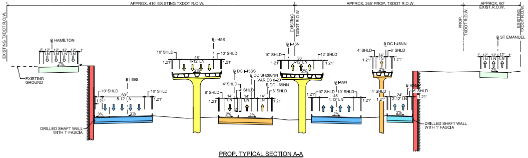
NOT FOR CONSTRUCTION, BIDDING OR PERMITTING

TxDOT (DISTRICT-"APPROVED BY") LETTER DATED

FHWA REPRESENTATIVES ("APPROVED BY") LETTER DATED

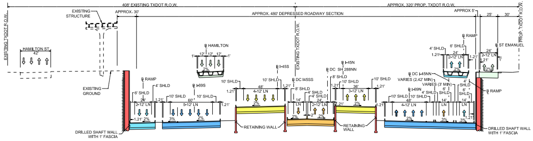
ROADWAY: I-45 NORTH
COUNTY: HARRIS
LIMITS FROM: BELTWAY 8
LIMITS TO: I-69

5/9



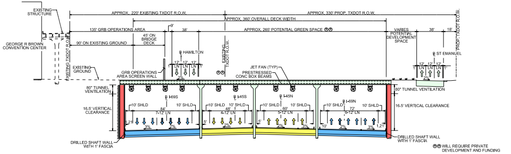
APPROX. 410' EXISTING TXDOT R.O.W.
APPROX. 265' PROP. TXDOT R.O.W.
APPROX. 60' EXIST.R.O.W.
EXISTING TXDOT R.O.W.
EXISTING TXDOT R.O.W.
PROP. TXDOT R.O.W.
EXISTING TXDOT R.O.W.
℄ HAMILTON
℄ I-45S
℄ I-45N
℄ DC I-45NN
℄ ST EMANUEL
℄ DC I-45SS
℄ DC SH288NN
℄ DC I-69NN
℄ I-69S
℄ I-69N
℄ RAMP
VARIES 0-20'
EXISTING GROUND
DRILLED SHAFT WALL WITH 1' FASCIA
4-12' LN
3-12' LN
5-12' LN
2-12' LN
10' SHLD
12' SHLD
4' SHLD
8' SHLD
6' SHLD
2%

PROP. TYPICAL SECTION A-A
NTS



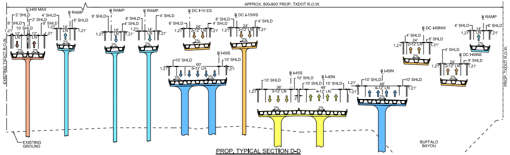
408' EXISTING TXDOT R.O.W.
APPROX. 320' PROP. TXDOT R.O.W.
APPROX. 30'
APPROX. 480' DEPRESSED ROADWAY SECTION
APPROX 5'
25'
30'
EXISTING STRUCTURE
EXISTING TXDOT R.O.W.
PROP. TXDOT R.O.W.
HAMILTON ST
℄ HAMILTON
℄ I-45S
℄ I-45N
℄ DC SH 288NN
℄ DC I-45SS
℄ DC I-45NN
℄ I-69S
℄ I-69N
℄ RAMP
℄ ST EMANUEL
VARIES (2.42' MIN)
VARIES (3' MIN)
EXISTING GROUND
RETAINING WALL
DRILLED SHAFT WALL WITH 1' FASCIA

PROP. TYPICAL SECTION B-B
NTS



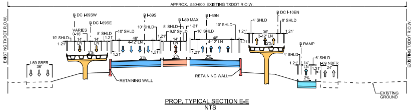
EXISTING STRUCTURE
APPROX. 220' EXISTING TXDOT R.O.W.
APPROX. 330' PROP. TXDOT R.O.W.
APPROX. 360' OVERALL DECK WIDTH
135' GRB OPERATIONS AREA
APPROX. 265' POTENTIAL GREEN SPACE ①②
VARIES POTENTIAL DEVELOPMENT SPACE
38'
18'
9'
45' ON BRIDGE DECK
90' ON EXISTING GROUND
GEORGE R BROWN CONVENTION CENTER
EXISTING TXDOT R.O.W.
PROP. TXDOT R.O.W.
℄ HAMILTON
℄ ST EMANUEL
GRB OPERATIONS AREA SCREEN WALL
JET FAN (TYP)
PRESTRESSED CONC BOX BEAMS
80' TUNNEL VENTILATION
16.5' VERTICAL CLEARANCE
℄ I-69S
℄ I-45S
℄ I-45N
℄ I-69N
7-12' LN
4-12' LN
5-12' LN
6-12' LN
DRILLED SHAFT WALL WITH 1' FASCIA
①② WILL REQUIRE PRIVATE DEVELOPMENT AND FUNDING

PROP. TYPICAL SECTION C-C
NTS



APPROX. 800-900' PROP. TXDOT R.O.W.
EXISTING TXDOT R.O.W.
PROP. TXDOT R.O.W.
℄ I-69 MAX
℄ RAMP
℄ DC I-10 ES
℄ DC I-10WS
℄ DC I-69NW
℄ DC I-69NE
℄ I-69S
℄ I-45S
℄ I-45N
℄ I-69N
5-12' LN
3-12' LN
4-12' LN
2-12' LN
EXISTING GROUND
BUFFALO BAYOU

PROP. TYPICAL SECTION D-D
NTS

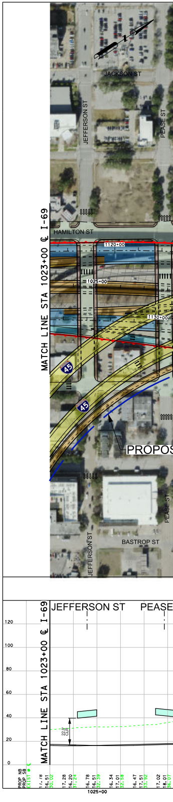


APPROX. 550-600' EXISTING TXDOT R.O.W.
EXISTING TXDOT R.O.W.
EXISTING TXDOT R.O.W.
℄ DC I-69SW
℄ DC I-69SE
℄ I-69S
℄ I-69 MAX
℄ I-69N
℄ DC I-10EN
℄ RAMP
I-69 SBFR
I-69 NBFR
VARIES 0-16'
4-12' LN
3-12' LN
RETAINING WALL
EXISTING GROUND

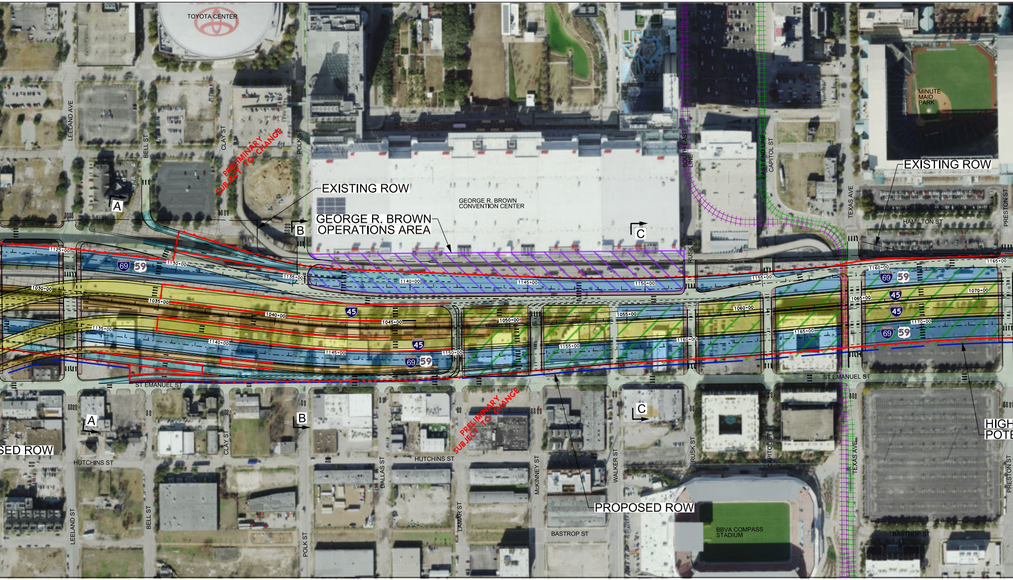
PROP. TYPICAL SECTION E-E
NTS

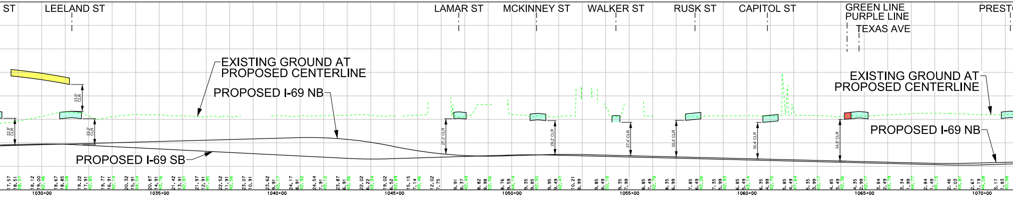
PROFILE LEGEND

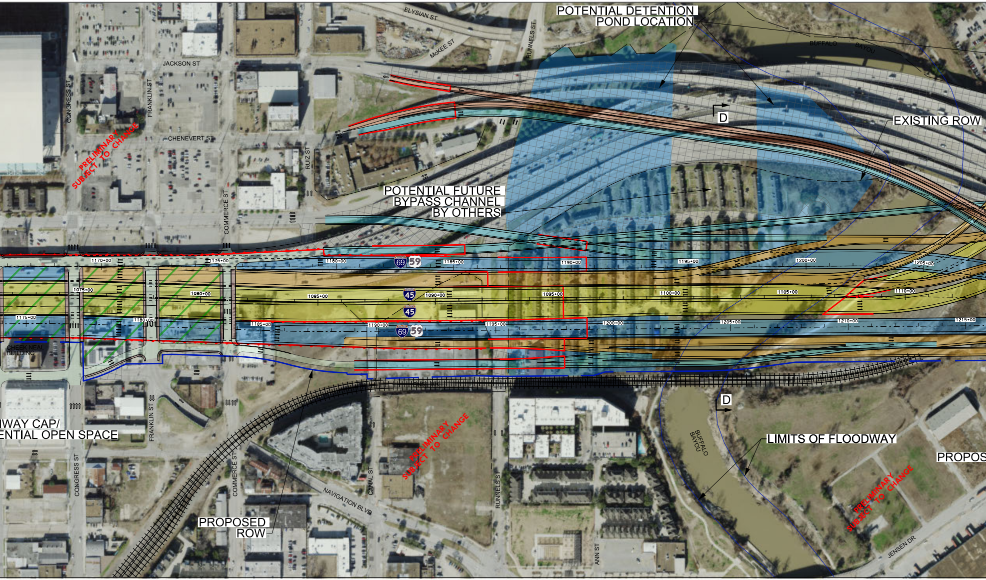
PROP. PGL @ CL/NB/EB MAINLANE	—
PROP. PGL @ SB/WB MAINLANE	—
PROP. PGL @ MAX LANES	—
EXISTING GROUND @ PGL	- · -
100 YR. W.S.E.	▼
PROP. PGL @ NB/EB RAMP	—
PROP. PGL @ SB/WB RAMP	- -
PROP. PGL @ NB/EB DC	—
PROP. PGL @ SB/WB DC	- -
PROP. PGL @ NB/EB FRONTAGE	—
PROP. PGL @ SB/WB FRONTAGE	- -
PROP. PGL @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

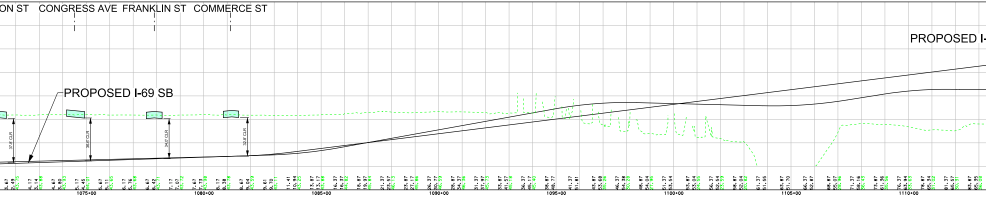


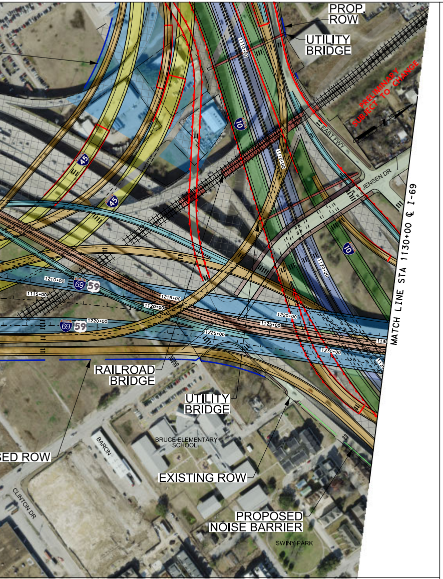
JACKSON ST
JEFFERSON ST
PEASE ST
HAMILTON ST
1120+00
1025+00
1130+00
45
PROPOS
BASTROP ST
MATCH LINE STA 1023+00 ℄ I-69
JEFFERSON ST
PEASE
120
100
80
60
40
20
0
PROP NB
PROP SB
EXIST
1025+00


TOYOTA CENTER
LEELAND AVE
BELL ST
CLAY ST
POLK ST
PRELIMINARY SUBJECT TO CHANGE
EXISTING ROW
GEORGE R. BROWN CONVENTION CENTER
GEORGE R. BROWN OPERATIONS AREA
SOUTH EAST LINE
EAST END LINE
CAPITOL ST
RUSK ST
MINUTE MAID PARK
EXISTING ROW
TEXAS AVE
PRESTON ST
HAMILTON ST
A
B
C
69
59
45
1125+00
1130+00
1135+00
1140+00
1145+00
1150+00
1155+00
1160+00
1165+00
1030+00
1035+00
1040+00
1045+00
1050+00
1055+00
1060+00
1065+00
1070+00
1170+00
ST EMANUEL ST
SED ROW
HUTCHINS ST
DALLAS ST
LAMAR ST
McKINNEY ST
WALKER ST
PRELIMINARY SUBJECT TO CHANGE
PROPOSED ROW
BASTROP ST
BBVA COMPASS STADIUM
HIGH
POTE

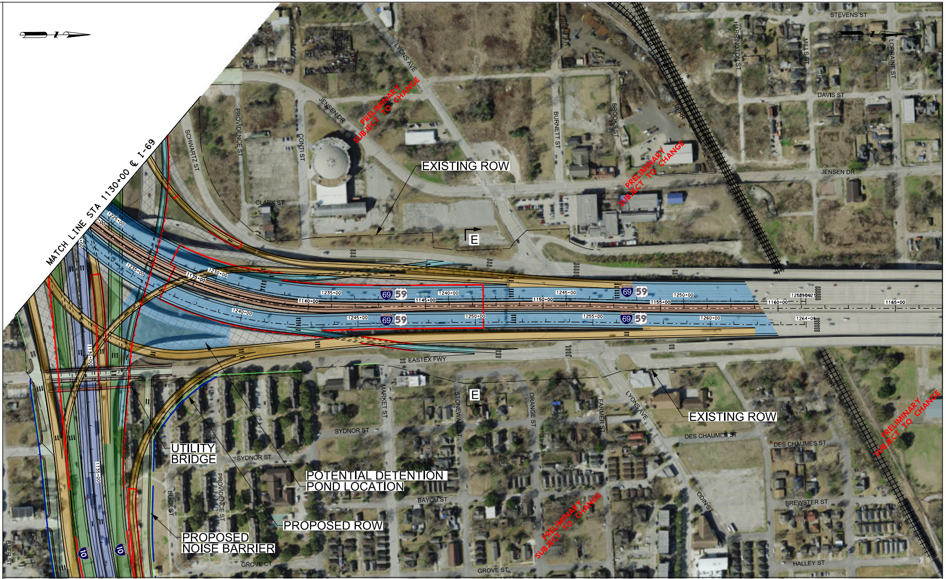

ST
LEELAND ST
LAMAR ST
MCKINNEY ST
WALKER ST
RUSK ST
CAPITOL ST
GREEN LINE
PURPLE LINE
TEXAS AVE
PRESTO
EXISTING GROUND AT PROPOSED CENTERLINE
PROPOSED I-69 NB
PROPOSED I-69 SB
EXISTING GROUND AT PROPOSED CENTERLINE
PROPOSED I-69 NB
1030+00
1035+00
1040+00
1045+00
1050+00
1055+00
1060+00
1065+00
1070+00


POTENTIAL DETENTION
POND LOCATION
EXISTING ROW
POTENTIAL FUTURE
BYPASS CHANNEL
BY OTHERS
LIMITS OF FLOODWAY
PROPOSED
ROW
WAY CAP/
ENTIAL OPEN SPACE
PROPOS
PRELIMINARY
SUBJECT TO CHANGE
PRELIMINARY
SUBJECT TO CHANGE
PRELIMINARY
SUBJECT TO CHANGE
D
D
ELYSIAN ST
McKEE ST
RUNNELS ST
JACKSON ST
CONGRESS ST
FRANKLIN ST
CHENEVERT ST
RUIZ ST
COMMERCE ST
BUFFALO BAYOU
CHEEK NEAL BUILDING
NAVIGATION BLVD
CANAL ST
ANN ST
JENSEN DR
69
59
45
45
69
59
1170+00
1175+00
1180+00
1185+00
1190+00
1195+00
1200+00
1205+00
1075+00
1080+00
1085+00
1090+00
1095+00
1100+00
1105+00
1110+00
1175+00
1180+00
1185+00
1190+00
1195+00
1200+00
1205+00
1210+00
1215+00

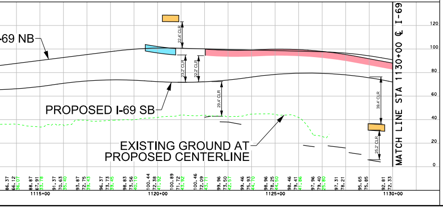

ON ST
CONGRESS AVE
FRANKLIN ST
COMMERCE ST
PROPOSED I-
PROPOSED I-69 SB
37.8' CLR
36.6' CLR
34.0' CLR
32.8' CLR
1075+00
1080+00
1085+00
1090+00
1095+00
1100+00
1105+00
1110+00



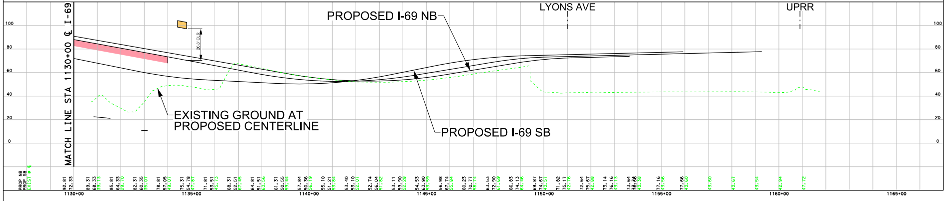
PROP. ROW
UTILITY BRIDGE
PRELIMINARY SUBJECT TO CHANGE
EAST FWY
JENSEN DR
MATCH LINE STA 1130+00 ℄ I-69
RAILROAD BRIDGE
UTILITY BRIDGE
BRUCE ELEMENTARY SCHOOL
BARON
ED ROW
EXISTING ROW
PROPOSED NOISE BARRIER
CLINTON DR
SWINY PARK



MATCH LINE STA 1130+00 ℄ I-69
PRELIMINARY SUBJECT TO CHANGE
EXISTING ROW
LYONS AVE
JENSEN DR
SCHWARTZ ST
PROVIDENCE ST
CONTI ST
CLARK ST
BURNETT ST
BROOKS ST
HARRINGTON ST
MILL ST
LORRAINE ST
STEVENS ST
DAVIS ST
UPRR
E
EASTEX FWY
MARKET ST
STONEWALL ST
ORANGE ST
FARMER ST
SYDNOR ST
UTILITY BRIDGE
POTENTIAL DETENTION POND LOCATION
PROPOSED ROW
PROPOSED NOISE BARRIER
BUCK ST
BAER ST
BAYOU ST
DES CHAUMES ST
ODIN ST
BREWSTER ST
HALLEY ST
GROVE CT
GROVE ST
EXISTING ROW



-69 NB
PROPOSED I-69 SB
EXISTING GROUND AT PROPOSED CENTERLINE
MATCH LINE STA 1130+00 ℄ I-69
1115+00
1120+00
1125+00
1130+00



MATCH LINE STA 1130+00 ℄ I-69
PROPOSED I-69 NB
LYONS AVE
UPRR
EXISTING GROUND AT PROPOSED CENTERLINE
PROPOSED I-69 SB
1130+00
1135+00
1140+00
1145+00
1150+00
1155+00
1160+00
1165+00

HOUSTON DISTRICT
PROJECT DEVELOPMENT

NHHIP - SEGMENT 3 - I-69

PRELIMINARY
SUBJECT TO CHANGE

HNTB

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

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

5
9