HOUSTON DISTRICT
PROJECT DEVELOPMENT

NHHIP - SEGMENT 3 - I-69

PRELIMINARY
SUBJECT TO CHANGE

FEIS SCHEMATIC

NHHIP
I-69 SEGMENT 3

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

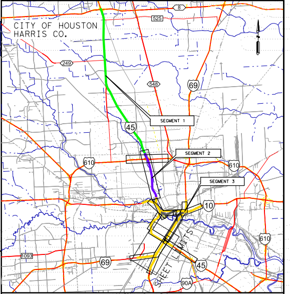
CONSTRUCTION CSJ:0027-13-200, 0027-13-201, 0027-13-221, 0500-03-598, 0500-03-599, 0500-03-601, 0500-08-001

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/	40 MPH
	URBAN COLLECTOR	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
610
SEGMENT 1
SEGMENT 2
SEGMENT 3
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			—ıı—	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

HNTB

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

PRELIMINARY

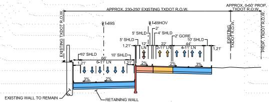
SUBMITTED FOR REVIEW
Engineer: DARRIN J. WILLER
P.E. Serial No.: 82119
Date: 12/11/2019
Signature:

NOT FOR CONSTRUCTION, BIDDING OR PERMITTING

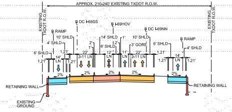
TxDOT (DISTRICT-"APPROVED BY")
LETTER DATED

FHWA REPRESENTATIVES ("APPROVED BY")
LETTER DATED

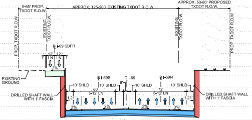
ROADWAY: I-45 NORTH
COUNTY: HARRIS
LIMITS FROM: BELTWAY 8
LIMITS TO: I-69


APPROX. 230-250' EXISTING TXDOT R.O.W.
APPROX. 0-50' PROP. TXDOT R.O.W.
EXISTING TXDOT R.O.W.
EXISTING TXDOT R.O.W.
PROP. TXDOT R.O.W.
℄ I-69S
℄ I-69HOV
2'
5' SHLD
4' SHLD
2' GORE
5' SHLD
10' SHLD
1.21'
12' LN
22'
2-11' LN
44'
4-11' LN
1.21'
10' SHLD
66'
6-11' LN
10' SHLD
1.21'
1.21'
2%
2%
3%
3%
2%
EXISTING WALL TO REMAIN
RETAINING WALL

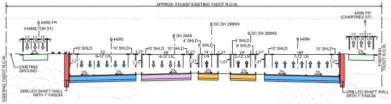
PROP. TYPICAL SECTION A-A
NTS


APPROX. 210-240' EXISTING TXDOT R.O.W.
EXISTING TXDOT R.O.W.
EXISTING TXDOT R.O.W.
℄ DC I-69SS
℄ I-69HOV
℄ DC I-69NN
℄ RAMP
℄ RAMP
10' SHLD
4' SHLD
14' SHLD
1'
10' SHLD
2'
1'
2'
6' SHLD
3' GORE
6' SHLD
4' SHLD
6' SHLD
1.21'
14' LN
1.21'
22'
2-11' LN
12' LN
11' LN
22'
2-11' LN
1.21'
14' LN
1.21'
1.21'
2%
2%
2%
2%
2%
RETAINING WALL
RETAINING WALL
EXISTING GROUND

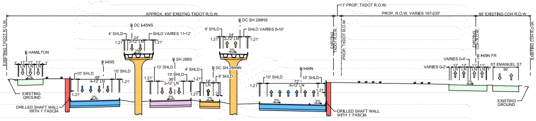
PROP. TYPICAL SECTION B-B
NTS


0-65' PROP. TXDOT R.O.W.
APPROX. 125-200' EXISTING TXDOT R.O.W.
APPROX. 50-80' PROPOSED TXDOT R.O.W.
PROP. TXDOT R.O.W.
EXISTING TXDOT R.O.W.
EXISTING TXDOT R.O.W.
PROP. TXDOT R.O.W.
℄ I-69 SBFR
1'
12' LN
12' LN
1'
2%
EXISTING GROUND
℄ I-69S
℄ I-69
℄ I-69N
10' SHLD
10' SHLD
8'
10' SHLD
10' SHLD
60'
5-12' LN
72'
6-12' LN
1.21'
1.21'
3%
2%
2%
3%
DRILLED SHAFT WALL WITH 1' FASCIA
DRILLED SHAFT WALL WITH 1' FASCIA

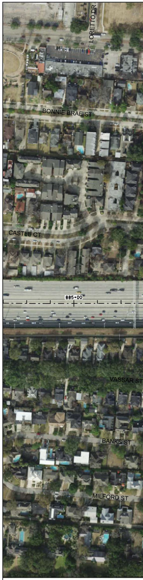
PROP. TYPICAL SECTION C-C
NTS

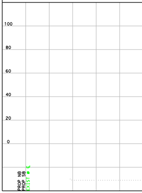

APPROX. 510-550' EXISTING TXDOT R.O.W.
EXISTING TXDOT R.O.W.
EXISTING TXDOT R.O.W.
℄ I-69S FR (HAMILTON ST)
I-69N FR (CHARTRES ST) ℄
1'
11' LN
11' LN
11' LN
1'
2%
EXISTING GROUND
℄ I-69S
℄ SH 288S
℄ DC SH 288NN
℄ DC SH 288NS
℄ I-69N
10' SHLD
72'
6-12' LN
10' SHLD
10' SHLD
48'
4-12' LN
10' SHLD
4' SHLD
8' SHLD
14' LN
4' SHLD
8' SHLD
24'
2-12' LN
10' SHLD
84'
7-12' LN
10' SHLD
1.21'
3%
2%
2%
2%
2%
2%
3%
DRILLED SHAFT WALL WITH 1' FASCIA
DRILLED SHAFT WALL WITH 1' FASCIA

PROP. TYPICAL SECTION D-D
NTS


APPROX. 450' EXISTNG TXDOT R.O.W.
1.1' PROP. TXDOT R.O.W.
PROP. R.O.W. VARIES 167-230'
86' EXISTING COH R.O.W.
EXISTING TXDOT R.O.W.
EXISTING TXDOT R.O.W.
PROP. TXDOT R.O.W.
EXISTING COH R.O.W.
EXISTING COH R.O.W.
℄ HAMILTON
1'
11' LN
11' LN
11' LN
1'
2%
EXISTING GROUND
℄ DC I-45NS
4' SHLD
24'
2-12' LN
SHLD VARIES 11-12'
℄ DC SH 288NS
4' SHLD
24'
2-12' LN
SHLD VARIES 8-10'
℄ I-69S
10' SHLD
48'
4-12' LN
10' SHLD
℄ SH 288S
10' SHLD
10' SHLD
36'
3-12' LN
4' SHLD
℄ DC SH 288NN
8' SHLD
14' LN
2'
℄ I-69N
10' SHLD
72'
6-12' LN
10' SHLD
1.21'
2%
3%
DRILLED SHAFT WALL WITH 1' FASCIA
DRILLED SHAFT WALL WITH 1' FASCIA
℄ I-69N FR
VARIES 0-4'
VARIES 0-2'
12' LN
12' LN
11' LN
11' LN
1'
ST EMANUEL ST
36'
EXISTING GROUND

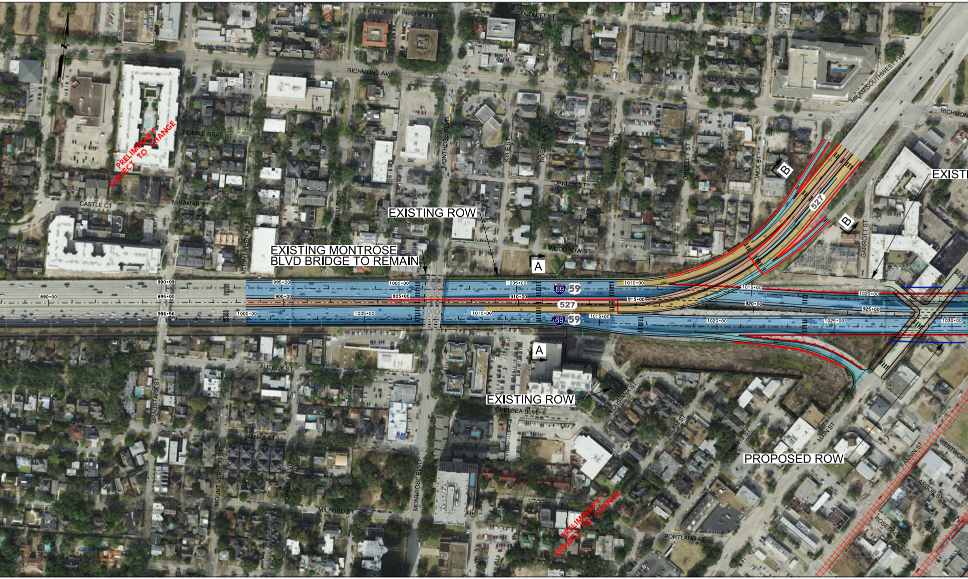
PROP. TYPICAL SECTION E-E
NTS

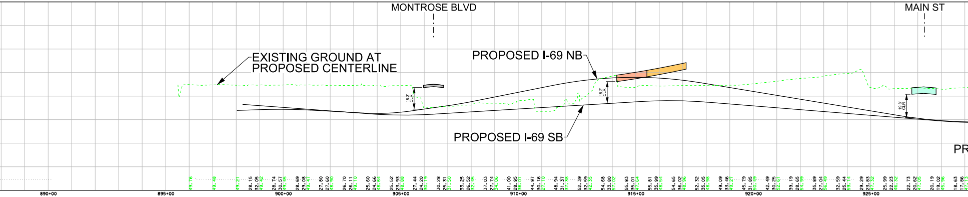

LORETTO DR
BONNIE BRAE ST
CASTLE CT
885+00
VASSAR ST
BANKS ST
MILFORD ST

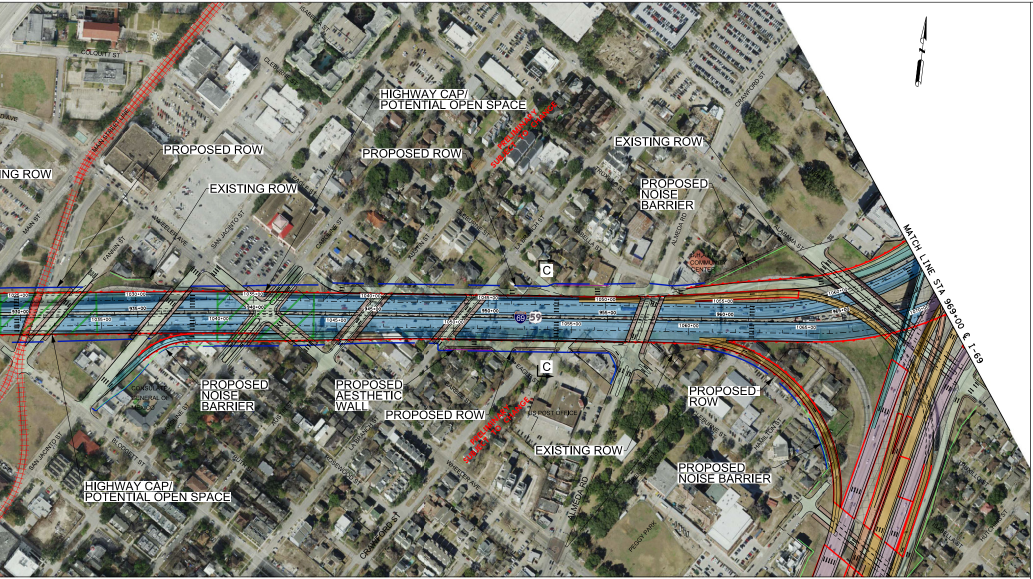


PROFILE LEGEND

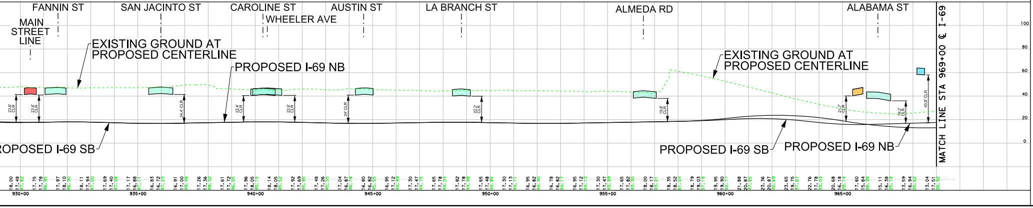
PROP. PGL @ CL/NB/EB MAINLANE	—
PROP. PGL @ SB/WB MAINLANE	— —
PROP. PGL @ MAX LANES	—
EXISTING GROUND @ PGL	— · —
100 YR. W.S.E.	▽
PROP. PGL @ NB/EB RAMP	—
PROP. PGL @ SB/WB RAMP	— —
PROP. PGL @ NB/EB DC	—
PROP. PGL @ SB/WB DC	— —
PROP. PGL @ NB/EB FRONTAGE	—
PROP. PGL @ SB/WB FRONTAGE	— —
PROP. PGL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


PRELIMINARY SUBJECT TO CHANGE
COLQUITT ST
RICHMOND AVE
MILAM SOUTHWEST FWY
RICHMON
BONNIE BRAE ST
MONTROSE BLVD
KYLE ST
ROSELAND ST
STANFORD ST
GREELEY ST
JACK ST
B
EXISTI
527
OAKLEY ST
CASTLE CT
MIRAMAR ST
EXISTING ROW
YOAKUM BLVD
B
GARROTT ST
EXISTING MONTROSE BLVD BRIDGE TO REMAIN
WOODROW ST
MOUNT VERNON ST
A
990+09
995+00
1000+00
1005+00
1010+00
1015+00
1020+00
890+00
895+00
900+00
905+00
910+00
915+00
920+00
925+00
996+56
1000+00
1005+00
1010+00
1015+00
1020+00
1025+00
1030+00
69
59
527
69
59
A
AUTREY ST
EXISTING ROW
CHELSEA BLVD
LOUSIANA ST
GRAUSTARK ST
BANKS ST
MILAM ST
TRAVIS ST
MAIN ST
PROPOSED ROW
FANNIN ST
WENTWORTH
ARBOR ST
MOUNT VERNON ST
YOAKUM BLVD
MONTROSE BLVD
MILFORD ST
PRELIMINARY SUBJECT TO CHANGE
PORTLAND ST
ROSEDALE ST

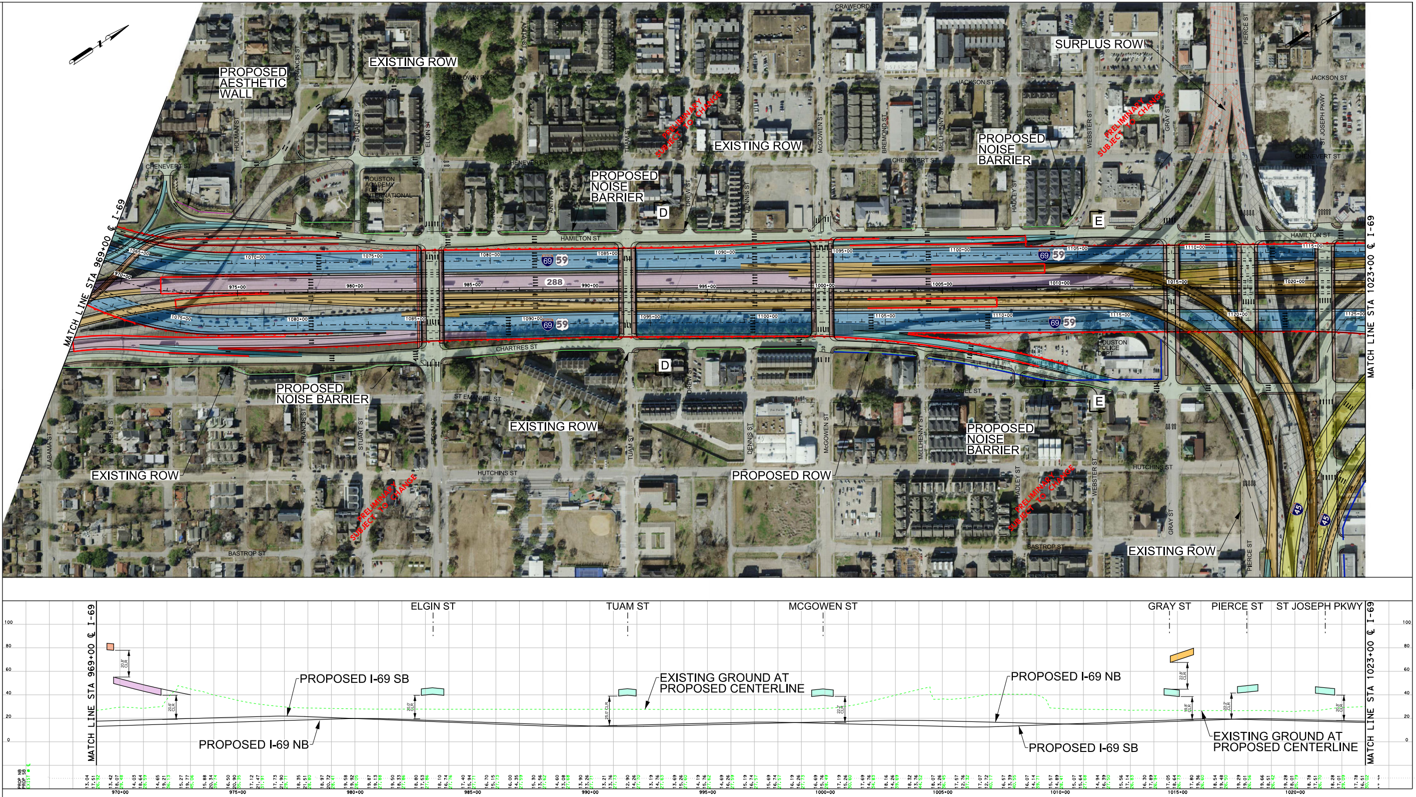

MONTROSE BLVD
MAIN ST
EXISTING GROUND AT PROPOSED CENTERLINE
PROPOSED I-69 NB
PROPOSED I-69 SB
PR
18.2' CLR
19.5' CLR
19.8' CLR
890+00
895+00
900+00
905+00
910+00
915+00
920+00
925+00



COLQUITT ST
ISABELLA ST
CLEBURNE ST
HIGHWAY CAP/ POTENTIAL OPEN SPACE
PRELIMINARY SUBJECT TO CHANGE
MAIN STREET LINE
PROPOSED ROW
ING ROW
EXISTING ROW
PROPOSED ROW
EXISTING ROW
PROPOSED NOISE BARRIER
CRAWFORD ST
EAGLE ST
TRUXILLO ST
MAIN ST
WHEELER AVE
SAN JACINTO ST
CAROLINE ST
AUSTIN ST
CLEBURNE ST
LA BRANCH ST
ISABELLA ST
ALMEDA RD
ALABAMA ST
FANNIN ST
S.H.A.P.E. COMMUNITY CENTER
C
MATCH LINE STA 969+00 ℄ I-69
1025+00
930+00
1030+00
935+00
1035+00
1035+00
940+00
1040+00
1040+00
945+00
1045+00
1045+00
950+00
1050+00
1050+00
955+00
1055+00
1055+00
960+00
1060+00
1060+00
965+00
1065+00
1070+00
69
59
C
CONSULATE GENERAL OF MEXICO
PROPOSED NOISE BARRIER
PROPOSED AESTHETIC WALL
PROPOSED ROW
PRELIMINARY SUBJECT TO CHANGE
US POST OFFICE
PROPOSED ROW
EXISTING ROW
PROPOSED NOISE BARRIER
SAN JACINTO ST
BLODGETT ST
CAROLINE ST
AUSTIN ST
RUTH ST
ROSEWOOD ST
LA BRANCH ST
BARBEE ST
WHEELER AVE
CRAWFORD ST
ALMEDA RD
HAMILTON ST
PEGGY PARK
TRUXILLO ST
ISABELLA ST
HUTCHINS ST
HIGHWAY CAP/ POTENTIAL OPEN SPACE



FANNIN ST
MAIN STREET LINE
SAN JACINTO ST
CAROLINE ST
WHEELER AVE
AUSTIN ST
LA BRANCH ST
ALMEDA RD
ALABAMA ST
EXISTING GROUND AT PROPOSED CENTERLINE
PROPOSED I-69 NB
EXISTING GROUND AT PROPOSED CENTERLINE
ROPOSED I-69 SB
PROPOSED I-69 SB
PROPOSED I-69 NB
MATCH LINE STA 969+00 ℄ I-69
100
80
60
40
20
0
930+00
935+00
940+00
945+00
950+00
955+00
960+00
965+00


PROPOSED AESTHETIC WALL
EXISTING ROW
EXISTING ROW
PROPOSED NOISE BARRIER
SURPLUS ROW
PROPOSED NOISE BARRIER
D
E
PRELIMINARY SUBJECT TO CHANGE
PRELIMINARY SUBJECT TO CHANGE
MATCH LINE STA 969+00 ℄ I-69
MATCH LINE STA 1023+00 ℄ I-69
HAMILTON ST
CHARTRES ST
CHENEVERT ST
JACKSON ST
CRAWFORD ST
HUTCHINS ST
BASTROP ST
ST EMANUEL ST
FRANCIS ST
HOLMAN ST
STUART ST
ELGIN ST
ANITA ST
ROSALIE ST
TUAM ST
DREW ST
DENNIS ST
McGOWEN ST
BREMOND ST
McILHENNY ST
HADLEY ST
WEBSTER ST
GRAY ST
PIERCE ST
ST JOSEPH PKWY
ALABAMA ST
WINBERN ST
BALDWIN PARK
HOUSTON ACADEMY FOR INTERNATIONAL STUDIES
HOUSTON POLICE DEPT
69 59
288
45
PROPOSED NOISE BARRIER
D
E
EXISTING ROW
PROPOSED NOISE BARRIER
PROPOSED ROW
EXISTING ROW
EXISTING ROW
PRELIMINARY SUBJECT TO CHANGE
PRELIMINARY SUBJECT TO CHANGE
ELGIN ST
TUAM ST
MCGOWEN ST
GRAY ST
PIERCE ST
ST JOSEPH PKWY
PROPOSED I-69 SB
EXISTING GROUND AT PROPOSED CENTERLINE
PROPOSED I-69 NB
PROPOSED I-69 NB
PROPOSED I-69 SB
EXISTING GROUND AT PROPOSED CENTERLINE
100
80
60
40
20
0
970+00
975+00
980+00
985+00
990+00
995+00
1000+00
1005+00
1010+00
1015+00
1020+00
PROP NB
PROP SB
EXIST ℄

HOUSTON DISTRICT
PROJECT DEVELOPMENT

NHHIP - SEGMENT 3 - I-69

PRELIMINARY
SUBJECT TO CHANGE

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

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

4
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/Roadway/Public_Hearing/Segment3/46_RMDT-FEIS.dgn SCALE: 200.0000 ft / in. PEN TABLE: pw://pw-int.hntb.org:PWCentralDiv/Documents/Austin Projects/58557 SPD 5 by 25/Design and Engineering/I45_NHHIP/Plot/58557_IH45.pen