PREPARED BY: joherrera   FILE LOCATION: pw://pw-int.hntb.org:PWCentralDiv/Documents/Austin Projects/58557 SPD 5 by 25/Design and Engineering/I45_NHHIP/Roadway/DGN/Segment2/Segment2_SHEET2_RH.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

HOUSTON DISTRICT
PROJECT DEVELOPMENT

NHHIP - SEGMENT 2 - I-610

PRELIMINARY
SUBJECT TO CHANGE

HNTB

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

2
2

FEIS SCHEMATIC

NHHIP
I-45 SEGMENT 2

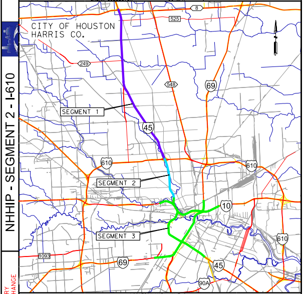
COUNTY: HARRIS
LIMITS FROM: MAIN ST
LIMITS TO: IRVINGTON BLVD
DATE: 4/13/2017
APPROVED:

CONSTRUCTION CSJ: 0500-03-597
PRELIMINARY CSJ: 0912-00-146
0912-00-147
0912-00-479

ROADWAY	FUNCTIONAL CLASSIFICATION	DESIGN SPEED
MAINLANES	URBAN FREEWAY	60 MPH
DIRECT CONNECTORS	DIRECT CONNECTORS	45 MPH
RAMPS	RAMPS	45 MPH
COLLECTOR-DISTRIBUTORS	COLLECTOR-DISTRIBUTORS	45 MPH
FRONTAGE ROADS	URBAN COLLECTOR	45 MPH
SIDE 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



CITY OF HOUSTON
HARRIS CO.
8
525
249
548
69
SEGMENT 1
45
610
610
SEGMENT 2
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

PLAN LEGEND

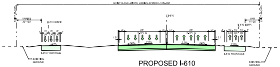
SYMBOLOGY	ROADWAY	BRIDGE	STYLE	LINE WT	COLOR CODE	
CENTERLINE			— · —	2	BLACK	0
I-45 MAINLANES	🟨	🟥	—	2	BLACK	0
I-69/US 59 MAINLANES	🟦	🟦	—	2	BLACK	0
I-10 MAINLANES	🟩	🟪	—	2	BLACK	0
SH 288 MAINLANES	🟪	⬛	—	2	BLACK	0
I-610 MAINLANES	🟩	🟩	—	2	BLACK	0
I-10 EXPRESS LANES	🟦	🟪	—	2	PINK	10
MAX LANES	🟪	🟪	—	2	PINK	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			—ʌ—ʌ—	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
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

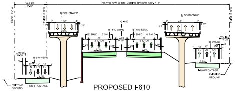
FHWA REPRESENTATIVES ("APPROVED BY")
LETTER DATED

SHEET 2 OF 2



EXIST R.O.W. WIDTH VARIES APPROX. 315'-408'
EXIST. R.O.W.
VARIES 30'-100'
℄ 610 WBFR
℄ I-610
VAR 11'-25'
℄ 610 EBFR
5-12' LN
2.0%
I-610 FRONTAGE
EXISTING GROUND

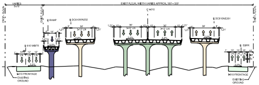
PROPOSED I-610
TYPICAL SECTION
A-A



EXIST R.O.W. WIDTH VARIES APPROX. 307' - 312'
℄ DC610NW205
℄ DC610EN206
℄ I-610
℄ 610 WBML
℄ 610 EBML
℄ 610 WBFR
℄ 610 EBFR
I-610 FRONTAGE
EXISTING GROUND

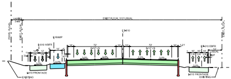
PROPOSED I-610
TYPICAL SECTION
B-B

① 16' OUTSIDE LANE FOR SHARED USE WITH BICYCLES



EXIST R.O.W. WIDTH VARIES APPROX. 302' - 326'
℄ I-610
℄ RAMP
℄ DC610WN202
℄ DC610NE201
℄ 610 WBFR
℄ EBFR
I-610 FRONTAGE
EXISTING GROUND

PROPOSED I-610
TYPICAL SECTION
C-C



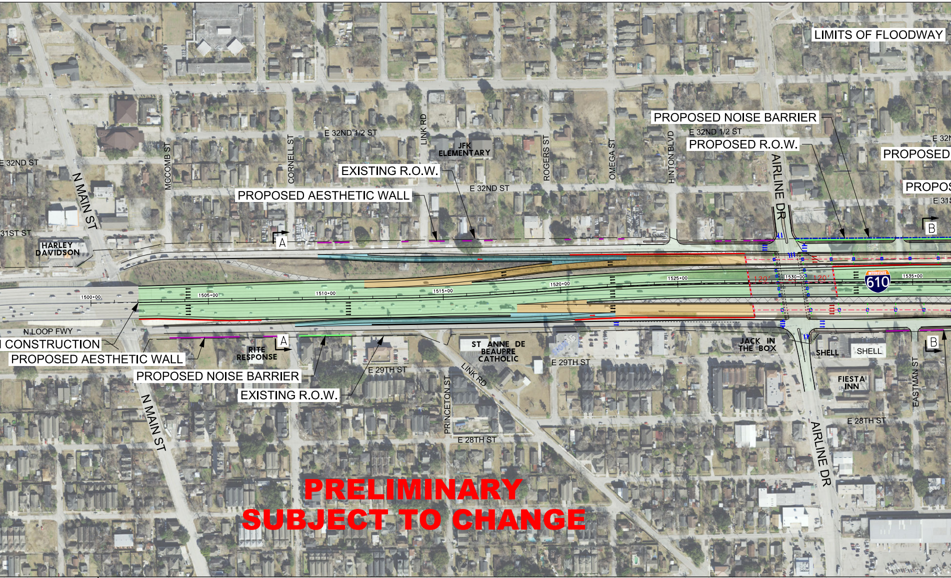
EXIST R.O.W. 310' USUAL
℄ I-610
℄ RAMP
℄ 610 WBFR
℄ 610 EBFR
I-610 FRONTAGE
EXISTING GROUND

PROPOSED I-610
TYPICAL SECTION
D-D

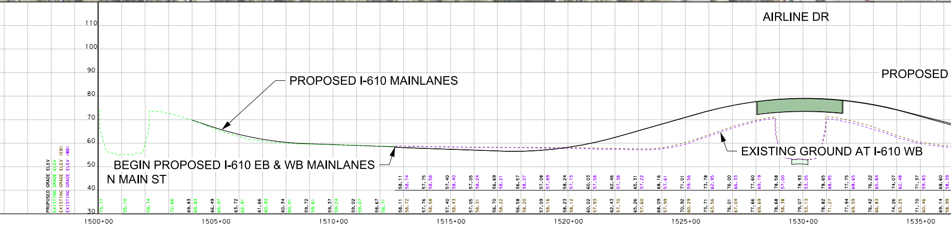
ARLINGTON ST
COLUMBIA ST
E
BEGIN
ARLINGTON ST
COLUMBIA ST

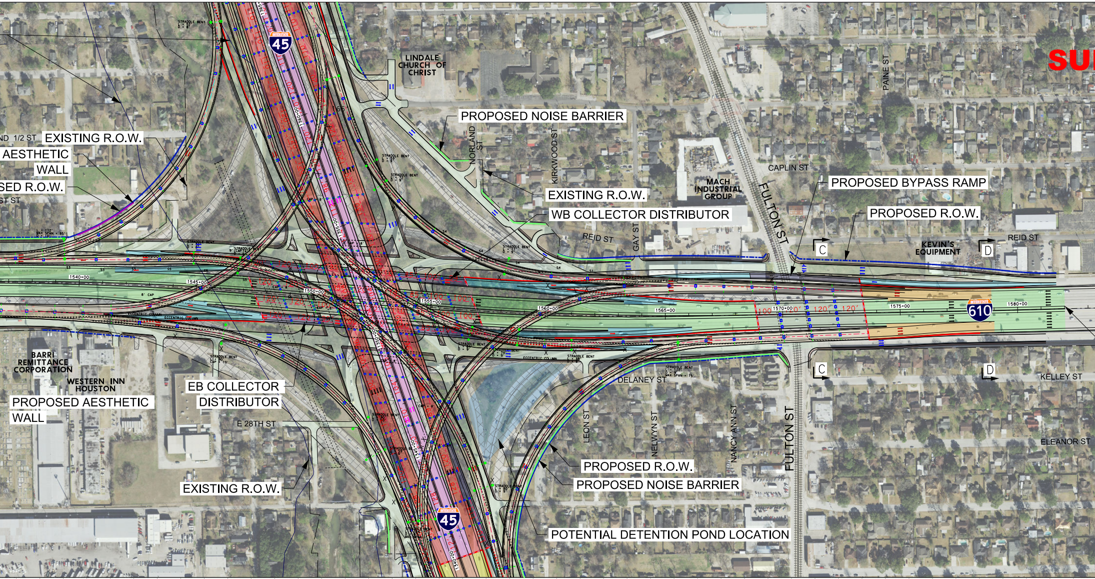
PROFILE LEGEND

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	- - -

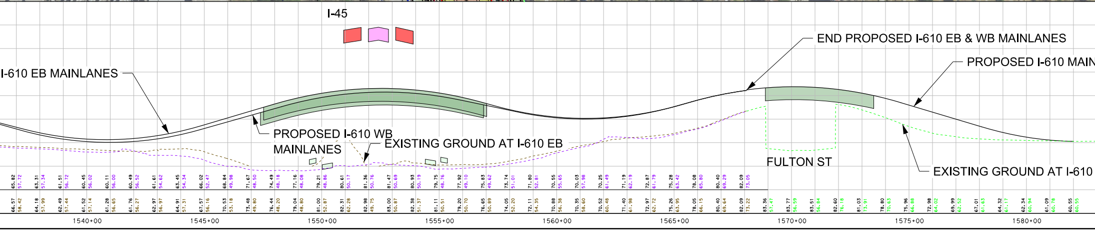

LIMITS OF FLOODWAY
PROPOSED NOISE BARRIER
E 32ND 1/2 ST
PROPOSED R.O.W.
PROPOSED
E 32N
PROPOS
E 31S
E 32ND 1/2 ST
LINK RD
JFK ELEMENTARY
EXISTING R.O.W.
PROPOSED AESTHETIC WALL
E 32ND ST
MCCOMB ST
CORNELL ST
ROGERS ST
OMEGA ST
HINTON BLVD
AIRLINE DR
E 32ND ST
N MAIN ST
31ST ST
HARLEY DAVIDSON
A
B
1500+00
1505+00
1510+00
1515+00
1520+00
1525+00
1530+00
1535+00
120'
120'
610
N LOOP FWY
CONSTRUCTION
PROPOSED AESTHETIC WALL
PROPOSED NOISE BARRIER
EXISTING R.O.W.
RITE RESPONSE
A
E 29TH ST
ST ANNE DE BEAUPRE CATHOLIC
E 29TH ST
JACK IN THE BOX
SHELL
SHELL
B
FIESTA INN
EASTMAN ST
LINK RD
PRINCETON ST
E 28TH ST
E 28TH ST
AIRLINE DR
N MAIN ST

PRELIMINARY
SUBJECT TO CHANGE



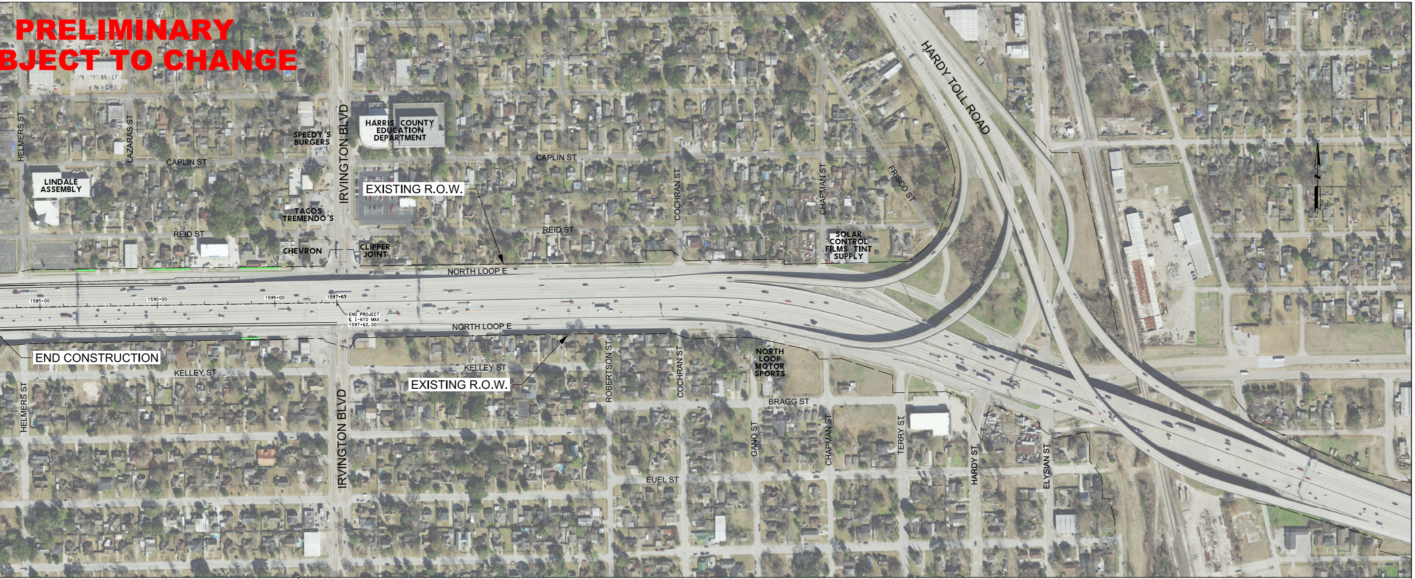


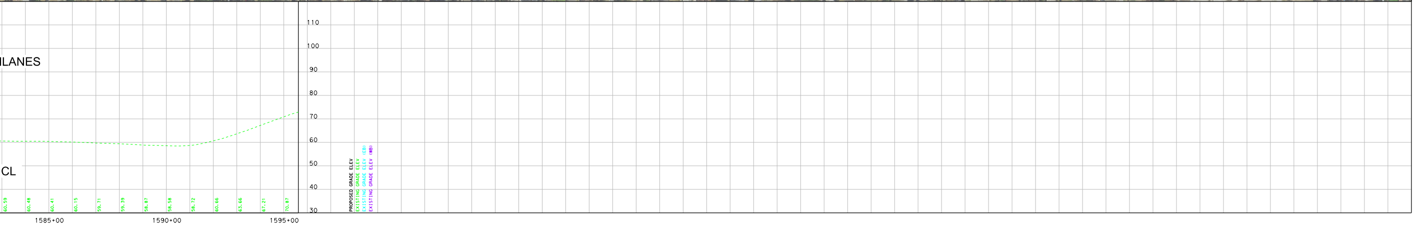
SU
LINDALE CHURCH OF CHRIST
PROPOSED NOISE BARRIER
EXISTING R.O.W.
AESTHETIC WALL
SED R.O.W.
ND 1/2 ST
ST ST
NORLAND ST
KIRKWOOD ST
PAINE ST
CAPLIN ST
MACH INDUSTRIAL GROUP
FULTON ST
PROPOSED BYPASS RAMP
EXISTING R.O.W.
WB COLLECTOR DISTRIBUTOR
PROPOSED R.O.W.
REID ST
GAY ST
KEVIN'S EQUIPMENT
C
D
45
610
1540+00
1545+00
1550+00
1555+00
1560+00
1565+00
1570+00
1575+00
1580+00
BARRI REMITTANCE CORPORATION
WESTERN INN HOUSTON
EB COLLECTOR DISTRIBUTOR
PROPOSED AESTHETIC WALL
E 28TH ST
DELANEY ST
KELLEY ST
LEON ST
NELWYN ST
NANCY ANN ST
FULTON ST
ELEANOR ST
PROPOSED R.O.W.
PROPOSED NOISE BARRIER
EXISTING R.O.W.
POTENTIAL DETENTION POND LOCATION



I-45
END PROPOSED I-610 EB & WB MAINLANES
PROPOSED I-610 MAIN
I-610 EB MAINLANES
PROPOSED I-610 WB MAINLANES
EXISTING GROUND AT I-610 EB
FULTON ST
EXISTING GROUND AT I-610
1540+00
1545+00
1550+00
1555+00
1560+00
1565+00
1570+00
1575+00
1580+00

PRELIMINARY
BJECT TO CHANGE


HELMERS ST
LAZARAS ST
SPEEDY'S BURGERS
IRVINGTON BLVD
HARRIS COUNTY EDUCATION DEPARTMENT
CAPLIN ST
LINDALE ASSEMBLY
EXISTING R.O.W.
TACOS TREMENDO'S
REID ST
CHEVRON
CLIPPER JOINT
COCHRAN ST
CHAPMAN ST
FRISCO ST
HARDY TOLL ROAD
SOLAR CONTROL FILMS TINT SUPPLY
NORTH LOOP E
1585+00
1590+00
1595+00
1597+63
END PROJECT
℄ I-610 MAX
1597+62.00
END CONSTRUCTION
KELLEY ST
EXISTING R.O.W.
ROBERTSON ST
NORTH LOOP MOTOR SPORTS
BRAGG ST
GANO ST
TERRY ST
HARDY ST
ELYSIAN ST
EUEL ST



HOUSTON DISTRICT
PROJECT DEVELOPMENT

NHHIP - SEGMENT 2 - I-610

PRELIMINARY
SUBJECT TO CHANGE

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

PREPARED BY: joherrera