HOUSTON DISTRICT
PROJECT DEVELOPMENT

FM 1960

PRELIMINARY
SUBJECT TO CHANGE

ROADWAY: FM 1960
COUNTY: HARRIS COUNTY
LIMITS FROM: BF 1960-A
LIMITS TO: SAN JACINTO RIVER

SCHEMATIC LAYOUT
FM 1960

COUNTY: HARRIS COUNTY
LIMITS FROM: BF 1960-A
LIMITS TO: SAN JACINTO RIVER
CSJ: 1685-03-058
DATE: 4/17/2015
APPROVED: _/_/__

NOT A BIDDING DOCUMENT
__________ P.E.
TBPE NO. __________
______

LEGEND

DESCRIPTION	SYMBOLOGY	WEIGHT	COLOR CODE
PROPOSED MAIN LANES	━	2	BLACK -0
PROPOSED TOLL LANES	━	2	PURPLE -90
PROPOSED FRONTAGE ROADS	▬	5	BLUE -1
PROPOSED RAMPS	━	2	BLUE -1
PROPOSED DIRECT CONNECTOR	━	2	ORANGE -6
PROPOSED EMBANKMENT	━	2	RED -3
PROPOSED RETAINING WALL	■	6	RED -3
PROPOSED BRIDGE BENTS	▬	2	RED -3
PROPOSED NOISE WALL	▬	5	CYAN -81
PROPOSED SIDEWALKS	━	2	MAGENTA -200
PROPOSED STRIPING	▰▰▰	1	ORANGE -6
PROPOSED LANE INDICATOR	→	1	BLACK -0
PROPOSED RIGHT-OF-WAY	■	5	BLACK -0
CONTROL OF ACCESS	━	2	RED -3
PLANIMETRIC	○	1	GREEN -2
EXISTING RIGHT-OF-WAY	━	1	BLACK -0
EXISTING ROADWAY	━	2	GREEN -2
EXISTING ROADWAY TO BE REMOVED	▰▰▰	1	BLACK -0
EXISTING LANE INDICATOR	⇨	1	BLACK -0
TRAFFIC COUNT YEAR (__) DHV	▬	1	BLACK -0

COLORFILL LEGEND

MAIN LANES	▭
FRONTAGE ROAD/RAMPS	▭
BRIDGE	▭

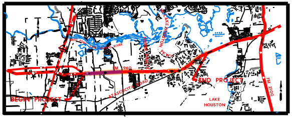
SCALE

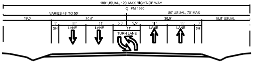
0 100 200 300 400

DESIGN CRITERIA

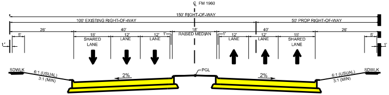
FUNCTIONAL CLASSIFICATION: LOW SPEED URBAN PRINCIPAL ARTERIAL
MAIN LANE DESIGN SPEED: 45 MPH
FRONTAGE ROAD DESIGN SPEED: 35 MPH
RAMP DESIGN SPEED: 35 MPH

VICINITY MAP


WEST FORK SAN JACINTO RIVER
TIMBER FOREST
W LAKE HOUSTON PKWY
FM 1960
ATASCOCITA ROAD
BEGIN PROJECT
END PROJECT
LAKE HOUSTON
FM 2100


100' USUAL, 120' MAX RIGHT-OF WAY
℄ FM 1960
VARIES 48' TO 50'
50' USUAL, 70' MAX
19.5'
30.5'
30.5'
19.5' USUAL
3'
11'
11'
5.5'
5.5'
11'
11'
3'
SH
LANE
LANE
11'
TURN LANE
LANE
LANE
SH

EXISTING TYPICAL SECTION
FROM E. OF B 1960 TO ATASCOCITA RD.
FROM FARMINGHAM RD. TO SAN JACINTO BRIDGE


℄ FM 1960
150' RIGHT-OF-WAY
100' EXISTING RIGHT-OF-WAY
50' PROP RIGHT-OF-WAY
26'
40'
18'
40'
26'
5'
15'
SHARED LANE
12'
LANE
12'
LANE
1'
RAISED MEDIAN
1'
12'
LANE
12'
LANE
15'
SHARED LANE
5'
1'
1'
SDWLK
6:1 (USUAL)
3:1 (MIN)
2%
PGL
2%
6:1 (USUAL)
3:1 (MIN)
SDWLK

PROPOSED TYPICAL SECTION
FROM E. OF BF 1960-A TO W OF WOODLAND HILLS
FROM W. OF PINEHURST TRAIL TO ATASCOCITA SHORES

CURVE DATA

PI STATION = 2583+66.01
DELTA = 1° 46' 31.55" (RT)
DEGREE OF CURVE = 0° 51' 13.99"
TANGENT = 103.97
LENGTH = 207.92
RADIUS = 6,710.00
PC STATION = 2582+62.04
PT STATION = 2584+69.97

PI STATION = 2596+41.13
DELTA = 36° 51' 32.78" (LT)
DEGREE OF CURVE = 1° 59' 39.97"
TANGENT = 957.29
LENGTH = 1,848.10
RADIUS = 2,872.78
PC STATION = 2586+83.84
PT STATION = 2605+31.94

PI STATION = 2620+63.84
DELTA = 3° 29' 01.18" (LT)
DEGREE OF CURVE = 0° 59' 44.72"
TANGENT = 174.98
LENGTH = 349.85
RADIUS = 5,754.00
PC STATION = 2618+88.86
PT STATION = 2622+38.71

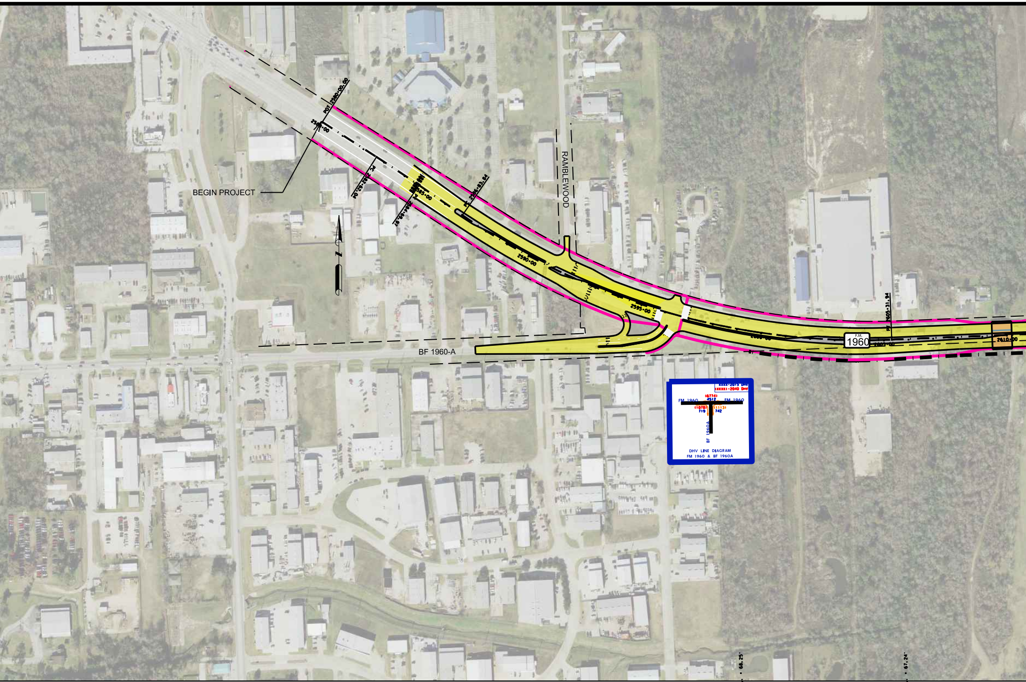
PI STATION = 2626+28.83
DELTA = 3° 40' 01.54" (RT)
DEGREE OF CURVE = 1° 00' 15.77"
TANGENT = 182.62
LENGTH = 365.11
RADIUS = 5,704.58
PC STATION = 2624+46.21
PT STATION = 2628+11.32

PI STATION = 2639+25.05
DELTA = 0° 04' 00.00" (LT)
DEGREE OF CURVE = 0° 51' 13.99"
TANGENT = 3.90
LENGTH = 7.81
RADIUS = 6,710.00
PC STATION = 2639+21.14
PT STATION = 2639+28.95

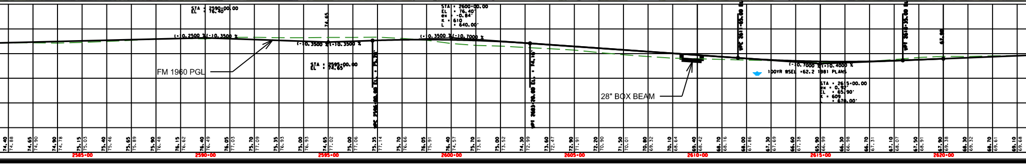
PI STATION = 2659+18.86
DELTA = 0° 19' 39.99" (RT)
DEGREE OF CURVE = 0° 51' 13.99"
TANGENT = 19.19
LENGTH = 38.39
RADIUS = 6,710.00
PC STATION = 2658+99.67
PT STATION = 2659+38.05

PI STATION = 2674+59.06
DELTA = 0° 08' 15.13" (LT)
DEGREE OF CURVE = 0° 51' 13.99"
TANGENT = 8.05
LENGTH = 16.11
RADIUS = 6,710.00
PC STATION = 2674+51.00
PT STATION = 2674+67.11

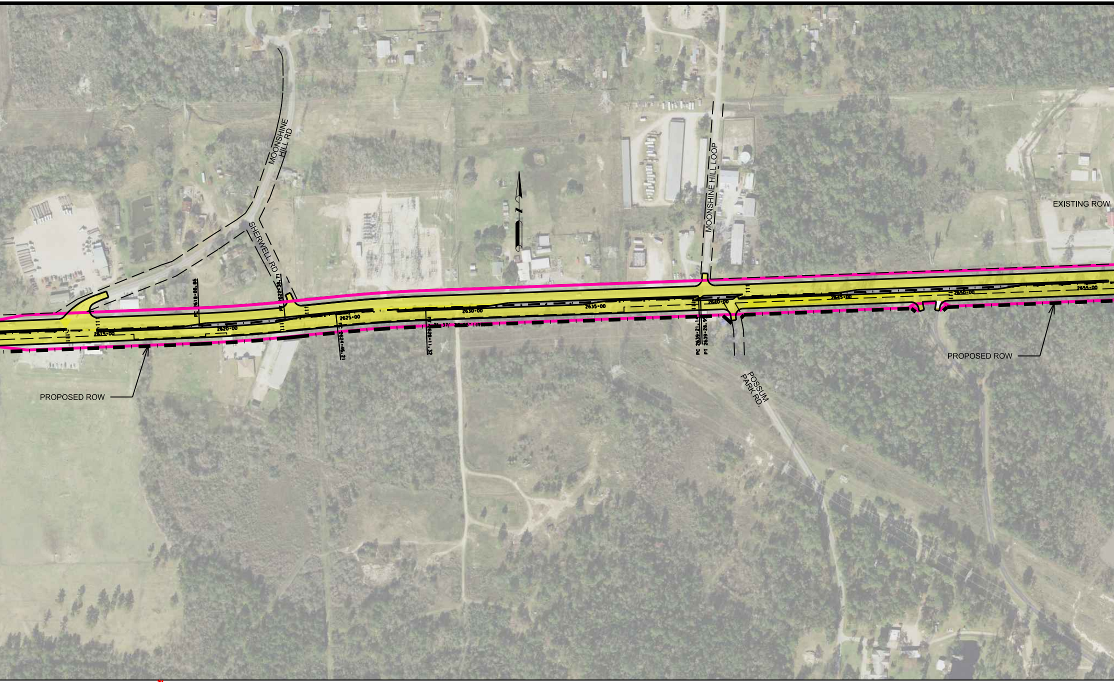
90
80
70
60
50
40
73.90
74.35
74.15
74.53
580+00

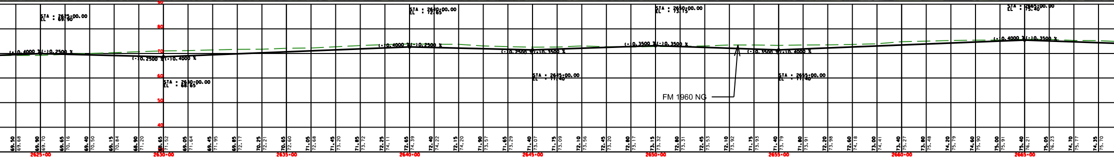


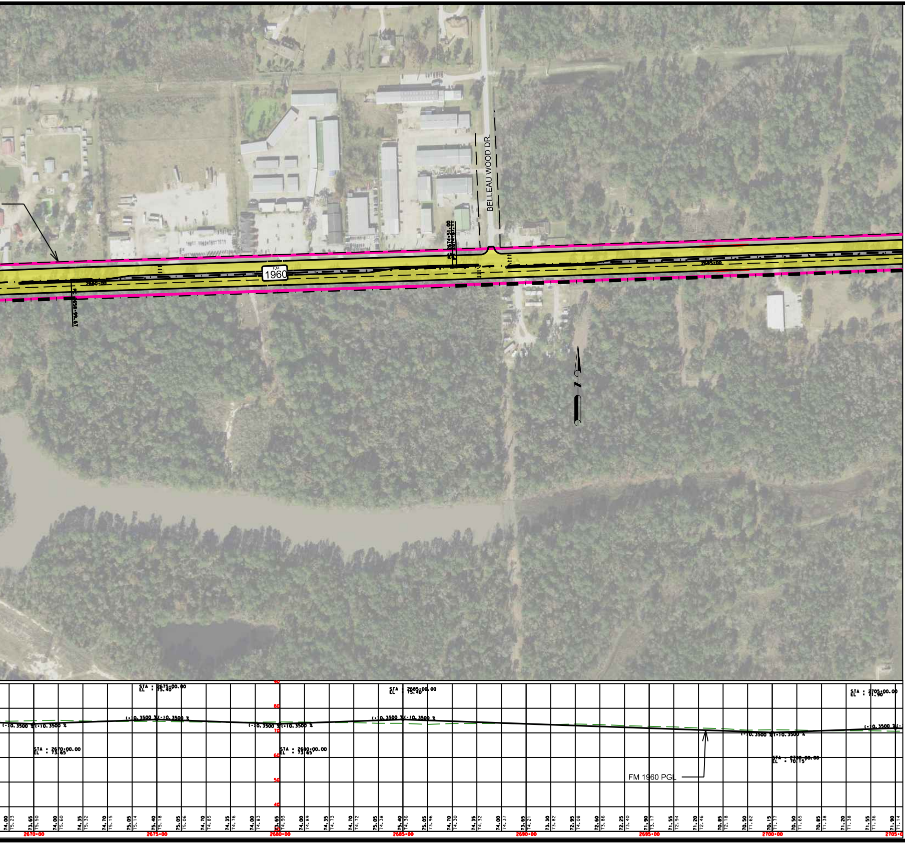
POT 2580+00.00
2580+00
BEGIN PROJECT
PC 2582+62.04
PT 2584+69.97
2585+00
PC 2586+83.84
N
RAMBLEWOOD
2590+00
2595+00
2600+00
PT 2605+31.94
F.M.
1960
2605+00
2610+00
BF 1960-A
xxxx-2015 DHV
(xxxx)-2040 DHV
FM 1960
(6774)
4512
FM 1960
(1078)
719
(1113)
742
BF 1960A
DHV LINE DIAGRAM
FM 1960 & BF 1960A



STA = 2590+00.00
EL = 76.40
(+)0.2500 %
(-)0.3500 %
FM 1960 PGL
74.65
(-)0.3500 %
(-)0.3500 %
STA = 2595+00.00
EL = 74.65
VPC 2596+00.00 EL. = 75.35'
STA = 2600+00.00
EL = 76.40'
ex = -0.84'
K = 610
L = 640.00'
(+)0.3500 %
(-)0.7000 %
VPI 2603+20.00 EL. = 74.10'
28" BOX BEAM
VPC 2611+65.00 EL. = 68.25'
(-)0.7000 %
(+)0.4000 %
100YR WSEL =62.2 1981 PLANS
STA = 2615+00.00
ex = 0.92'
EL = 65.90'
K = 609
L = 670.00'
VPT 2618+35.00 EL. = 67.24'
67.90
74.40 74.88
74.65 74.90
74.90 74.78
75.15 75.03
75.40 75.46
75.65 75.89
75.90 76.48
76.15 76.62
76.40 76.49
76.05 77.03
75.70 77.09
75.35 76.93
75.00 76.93
74.65 77.02
75.00 77.06
75.35 77.14
75.70 76.66
76.05 75.91
76.40 74.57
75.70 73.81
75.00 73.52
74.30 72.99
73.60 72.47
72.90 71.91
72.20 70.90
71.50 70.01
70.80 69.32
70.10 68.64
69.40 68.42
68.70 68.16
68.00 67.86
67.30 67.69
66.60 67.38
65.90 66.99
66.30 66.98
66.70 67.31
67.10 68.07
67.50 68.91
67.90 69.38
68.30 69.32
68.70 69.61
69.10 69.68
2585+00
2590+00
2595+00
2600+00
2605+00
2610+00
2615+00
2620+00


MOONSHINE HILL RD
SHERWELL RD
MOONSHINE HILL LOOP
POSSUM PARK RD.
EXISTING ROW
PROPOSED ROW
PROPOSED ROW
N
PC 2618+88.86
PT 2622+38.71
PC 2624+46.21
PT 2628+11.32
PC 2639+21.1
PT 2639+28.9
2615+00
2620+00
2625+00
2630+00
2635+00
2640+00
2645+00
2650+00
2655+00




BELLEAU WOOD DR.
F.M.
1960
MATCH LINE B
2680+00
2685+00
STA : 2675+00.00
EL : 75.40
STA : 2685+00.00
EL : 75.40
STA : 2705+00.00
EL : 71.90
STA : 2670+00.00
EL : 73.65
STA : 2680+00.00
EL : 73.65
STA : 2700+00.00
EL : 70.15
(-)0.3500 %(-)0.3500 %
FM 1960 PGL
90
80
70
60
50
40
74.00 75.23
73.65 75.50
74.00 75.60
74.35 75.32
74.70 75.15
75.05 75.14
75.40 75.18
75.05 75.06
74.70 74.85
74.35 74.76
74.00 74.83
73.65 74.93
74.00 74.89
74.35 74.73
74.70 74.72
75.05 74.38
75.40 74.36
75.05 73.96
74.70 74.30
74.35 74.32
74.00 74.37
73.65 74.21
73.30 73.82
72.95 74.08
72.60 73.86
72.25 73.40
71.90 73.17
71.55 72.94
71.20 72.46
70.85 72.18
70.50 71.62
70.15 71.77
70.50 71.65
70.85 71.38
71.20 71.38
71.55 71.36
71.90 71.14
2670+00
2675+00
2680+00
2685+00
2690+00
2695+00
2700+00
2705+0

HOUSTON DISTRICT
PROJECT DEVELOPMENT

FM 1960

PRELIMINARY
SUBJECT TO CHANGE

ROADWAY: FM 1960
COUNTY: HARRIS COUNTY
LIMITS FROM: BF 1960-A
LIMITS TO: SAN JACINTO RIVER

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