SCHEMATIC LAYOUT
FM 1960

COUNTY: HARRIS COUNTY
CSJ: 1685-03-058
LIMITS FROM: BF 1960-A
DATE: 4/17/2015
LIMITS TO: SAN JACINTO RIVER
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 -60
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

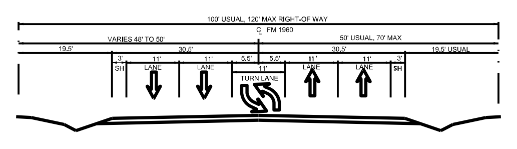
MAIN LANES	🟨
FRONTAGE ROAD/RAMPS	▭
BRIDGE	▭

SCALE

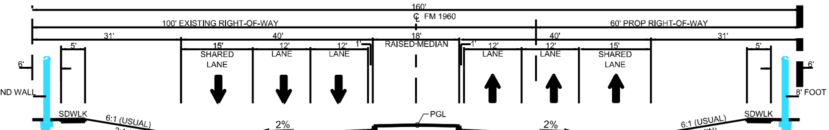
0 100 200 300 400

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

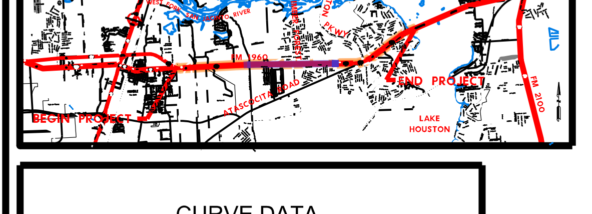

100' USUAL, 120' MAX RIGHT-OF-WAY
℄ FM 1960
VARIES 48' TO 50'
50' USUAL, 70' MAX
19.5'
30.5'
30.5'
19.5' USUAL
3' SH
11' LANE
11' LANE
5.5'
5.5'
11' TURN LANE
11' LANE
11' LANE
3' SH

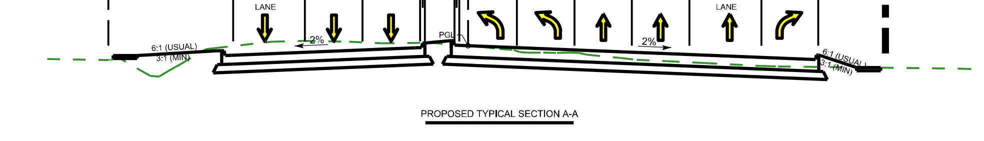
EXISTING TYPICAL SECTION
FROM E. OF B 1960 TO ATASCOCITA RD.
FROM FARMINGHAM RD. TO SAN JACINTO BRIDGE


160'
℄ FM 1960
100' EXISTING RIGHT-OF-WAY
60' PROP RIGHT-OF-WAY
31'
40'
18'
40'
31'
5'
15' SHARED LANE
12' LANE
12' LANE
1'
RAISED MEDIAN
1'
12' LANE
12' LANE
15' SHARED LANE
5'
6'
6'
8' FOOT SOUND WALL
8' FOOT SOUND WALL
SDWLK
SDWLK
6:1 (USUAL)
3:1 (MIN)
2%
PGL
2%
6:1 (USUAL)
3:1 (MIN)

PROPOSED TYPICAL SECTION
H.C.F.C.D. TO KINGS PKWY

VICINTY MAP


BEGIN PROJECT
END PROJECT
LAKE HOUSTON
FM 1960
FM 2100
ATASCOCITA ROAD


162'
℄ FM 1960
100' EXISTING ROW
62'
26'
40'
6'
76'
14'
15' SHARED LANE
12' LANE
12' LANE
1'
12' LANE
12' LANE
12' LANE
12' LANE
15' SHARED LANE
12' LANE
6:1 (USUAL)
3:1 (MIN)
2%
PGL
2%
6:1 (USUAL)
3:1 (MIN)

PROPOSED TYPICAL SECTION A-A

CURVE DATA

PI STATION = 2714+51.83
DELTA = 3° 03' 25.18" (RT)
DEGREE OF CURVE = 0° 30' 00.02"
TANGENT = 305.77
LENGTH = 611.39
RADIUS = 11,459.00
PC STATION = 2711+46.06
PT STATION = 2717+57.45

PI STATION = 2726+61.27
DELTA = 2° 17' 39.97" (RT)
DEGREE OF CURVE = 0° 15' 00.01"
TANGENT = 458.94
LENGTH = 917.76
RADIUS = 22,918.00
PC STATION = 2722+02.33
PT STATION = 2731+20.09

PI STATION = 2739+10.07
DELTA = 2° 17' 39.97" (LT)
DEGREE OF CURVE = 0° 15' 00.01"
TANGENT = 458.94
LENGTH = 917.76
RADIUS = 22,918.00
PC STATION = 2734+51.12
PT STATION = 2743+68.89

PI STATION = 2739+10.07
DELTA = 2° 17' 39.97" (LT)
DEGREE OF CURVE = 0° 15' 00.01"
TANGENT = 458.94
LENGTH = 917.76
RADIUS = 22,918.00
PC STATION = 2734+51.12
PT STATION = 2743+68.89

PI STATION = 2747+56.79
DELTA = 1° 37' 47.02" (LT)
DEGREE OF CURVE = 0° 59' 54.98"
TANGENT = 81.61
LENGTH = 163.20
RADIUS = 5,737.58
PC STATION = 2746+75.18
PT STATION = 2748+38.38

PI STATION = 2756+50.54
DELTA = 0° 35' 33.47" (RT)
DEGREE OF CURVE = 0° 51' 13.99"
TANGENT = 34.70
LENGTH = 69.40
RADIUS = 6,710.00
PC STATION = 2756+15.83
PT STATION = 2756+85.24

PI STATION = 2764+71.68
DELTA = 1° 03' 42.92" (LT)
DEGREE OF CURVE = 0° 51' 13.99"
TANGENT = 62.18
LENGTH = 124.36
RADIUS = 6,710.00
PC STATION = 2764+09.50
PT STATION = 2765+33.86

PI STATION = 2777+75.55
DELTA = 0° 40' 29.27" (RT)
DEGREE OF CURVE = 0° 51' 13.99"
TANGENT = 39.51
LENGTH = 79.03
RADIUS = 6,710.00
PC STATION = 2777+36.03
PT STATION = 2778+15.06

PI STATION = 2788+00.03
DELTA = 0° 16' 09.83" (LT)
DEGREE OF CURVE = 0° 51' 13.99"
TANGENT = 15.77
LENGTH = 31.55
RADIUS = 6,710.00
PC STATION = 2787+84.25
PT STATION = 2788+15.80

MATCH LINE B
WOODLAND HILLS (aka FARMER RD.)
SIERRA LN.
CANYON LN.
1960
2705+00
ARTESIAN WAY
LAKESHIRE ST.
2720+00
2725+00
2730+00
2735+00
2740+00
2745+00
2750+00
2755+00
2760+00
2765+00
EXISTING ROW
PROPOSED ROW
BARENTS
CONTINENTAL PKWY.
MOON TRL.
EXISTING ROW
A
A
TIMBER FOREST DR.
PC 2764+09.50
PT 2765+33.86
OAK TIMBER DR.
PROPOSED ROW
DHV LINE DIAGRAM
FM 1960 & TIMBER FOREST DR.
FM 1960
FM 1960
TIMBER FOREST DR.
EXISTING ROW
2770+00
2775+00
2780+00
2785+00
DROITWICH DR.
TWIGSWORTH LN.
PC 2787+84.25
PT 2788+15.80
130' H.C.F.C.D.
PROPOSED NOISE WALL
PROPOSED NOISE WALL
1960
KINGS PKWY. (aka ATASCOCITA OAKS BLVD.)
DHV LINE DIAGRAM
FOR FM 1960 & KINGS PKWY
FM 1960
FM 1960
KINGS PKWY
PC 2812+97.41
PT 2814+94.35
2815+00
MATCH LINE C

FM 1960

PRELIMINARY
SUBJECT TO CHANGE

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