HOUSTON DISTRICT
PROJECT DEVELOPMENT

FM 2100 PUBLIC HEARING SCHEMATIC

PRELIMINARY
SUBJECT TO CHANGE

ROADWAY: FM 2100
COUNTY: HARRIS
LIMITS FROM: FM 1960
LIMITS TO: HUFF/CLEVE RD

2 / 2

SCHEMATIC LAYOUT
FM 2100

COUNTY: HARRIS
LIMITS FROM: FM 1960
LIMITS TO: HUFFMAN CLEVELAND RD (N)
CSJ: 1062-02-009
DATE: July 2018
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	MAGENTA -37
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 2018 DHV	⬬	1	BLACK -0
TRAFFIC COUNT YEAR 2040 DHV	⬬	1	BLACK -0

COLORFILL LEGEND

MAIN LANES	🟨
RAISED MEDIAN	⬛
BRIDGE	🟧

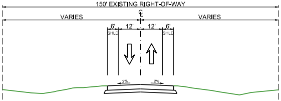
SCALE

0 100 200 300 400

DESIGN CRITERIA

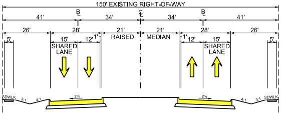
FUNCTIONAL CLASSIFICATION: URBAN PRINCIPAL ARTERIAL
MAIN LANE DESIGN CRITERIA: LOW SPEED URBAN
MAIN LANE DESIGN SPEED: 45 MPH
CONNECTING ROAD DESIGN SPEED: 30 MPH

TYPICAL SECTIONS



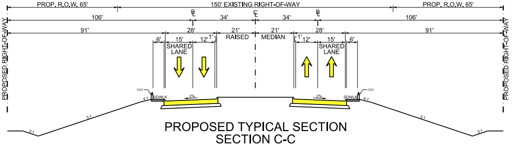
150' EXISTING RIGHT-OF-WAY
℄
VARIES
VARIES
6'
12'
12'
6'
SHLD
SHLD
2%
2%

EXISTING FM 2100 TYPICAL SECTION



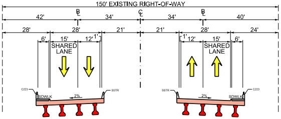
150' EXISTING RIGHT-OF-WAY
41'
34'
34'
41'
26'
28'
21'
21'
28'
26'
5'
15'
12'
1'
1'
12'
15'
5'
SHARED LANE
RAISED
MEDIAN
SHARED LANE
SDWLK
3:1
4:1
2%
2%
4:1
3:1
SDWLK

PROPOSED TYPICAL SECTION
STA. 135+00 TO 165+00



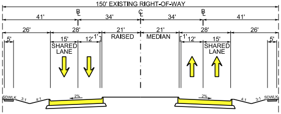
PROP. R.O.W. 65'
150' EXISTING RIGHT-OF-WAY
PROP. R.O.W. 65'
106'
34'
34'
106'
91'
28'
21'
21'
28'
91'
6'
15'
12'
1'
1'
12'
15'
6'
SHARED LANE
RAISED
MEDIAN
SHARED LANE
PROPOSED RIGHT-OF-WAY
PROPOSED RIGHT-OF-WAY
C221
C221
4:1
SDWLK
2%
2%
SDWLK
4:1
3:1
3:1
3:1
3:1

PROPOSED TYPICAL SECTION
SECTION C-C



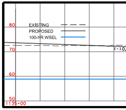
150' EXISTING RIGHT-OF-WAY
42'
34'
34'
40'
28'
28'
21'
21'
28'
24'
6'
15'
12'
1'
1'
12'
15'
6'
SHARED LANE
SHARED LANE
C223
SDWLK
2%
SSTR
SSTR
2%
SDWLK
C223

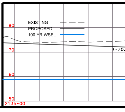
PROPOSED TYPICAL SECTION
SECTION D-D

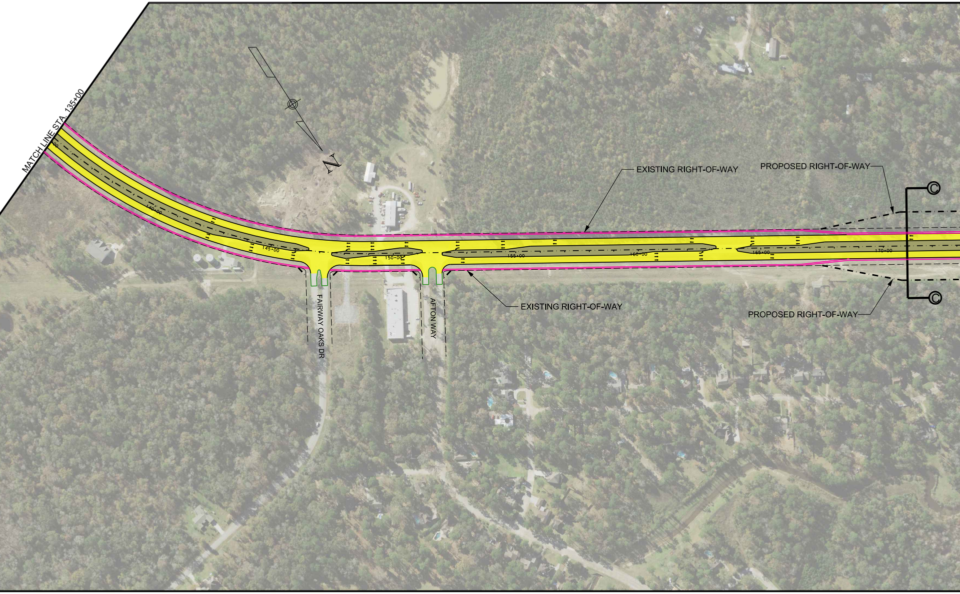


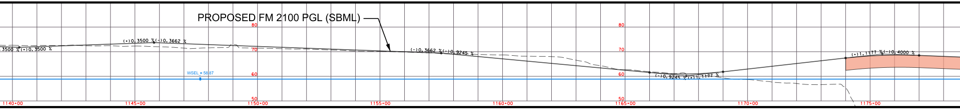
150' EXISTING RIGHT-OF-WAY
41'
34'
34'
41'
26'
28'
21'
21'
28'
26'
5'
15'
12'
1'
1'
12'
15'
5'
SHARED LANE
RAISED
MEDIAN
SHARED LANE
SDWLK
3:1
4:1
2%
2%
4:1
3:1
SDWLK

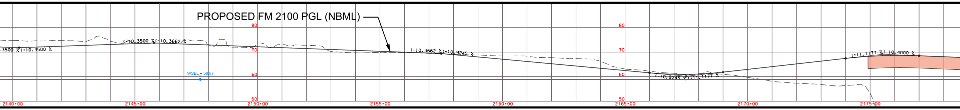
PROPOSED TYPICAL SECTION
STA. 199+00 TO STA. 230+00

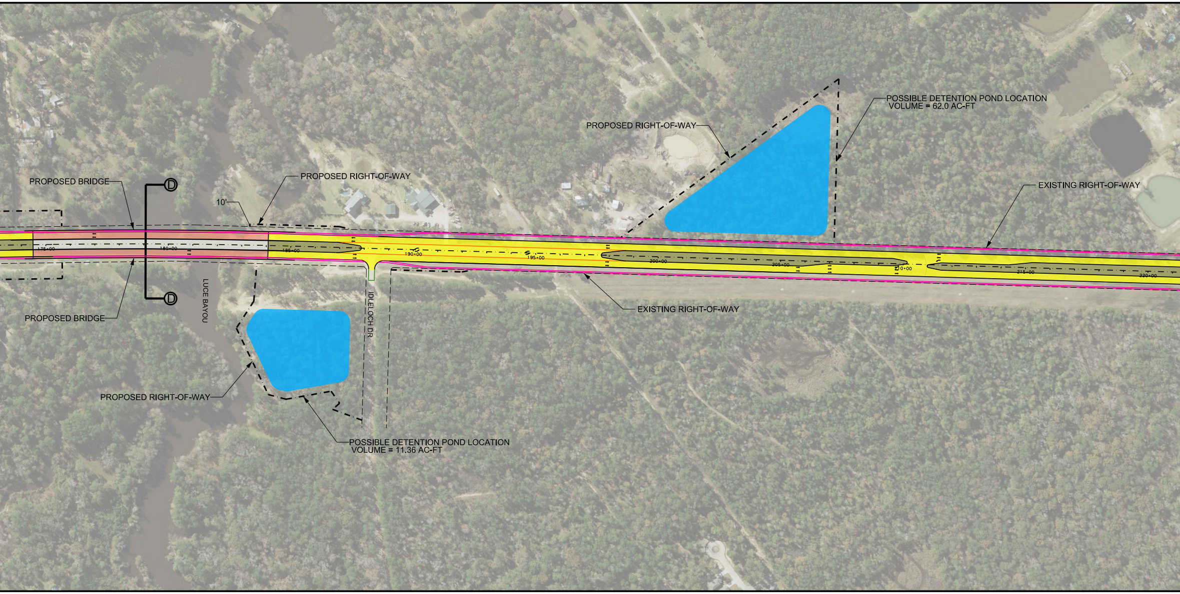


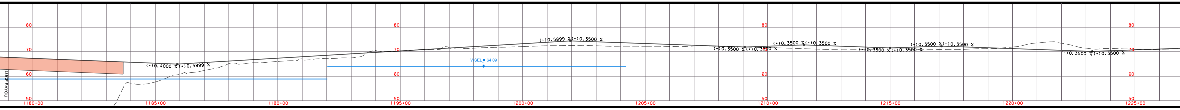


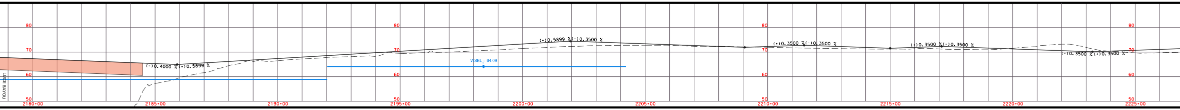

MATCH LINE STA. 135+00
N
140+00
145+00
150+00
155+00
160+00
165+00
170+00
EXISTING RIGHT-OF-WAY
PROPOSED RIGHT-OF-WAY
EXISTING RIGHT-OF-WAY
PROPOSED RIGHT-OF-WAY
FAIRWAY OAKS DR
AFTON WAY
C
C

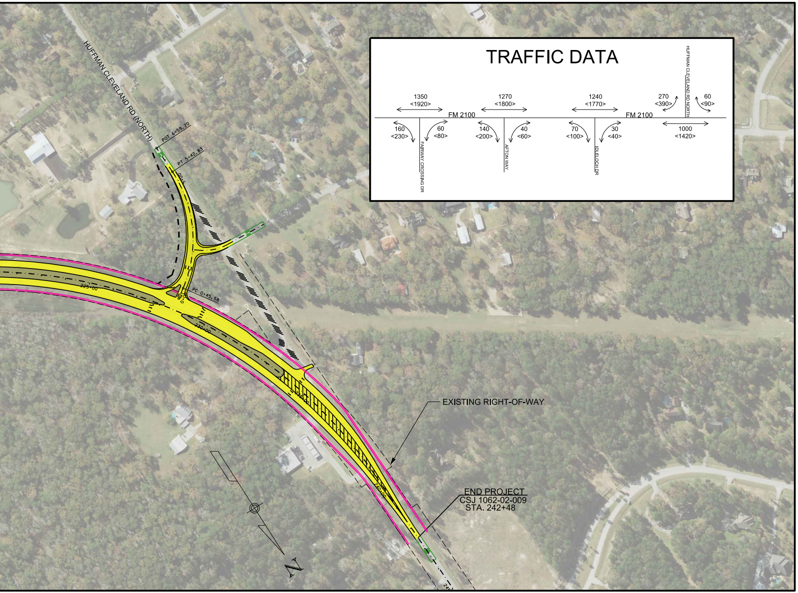

PROPOSED FM 2100 PGL (SBML)
3500 %(+)0.3500 %
(+)0.3500 %(-)0.3662 %
(-)0.3662 %(-)0.9245 %
(-)0.9245 %(+)1.1177 %
(+)1.1177 %(-)0.4000 %
WSEL = 58.87
80
70
60
50
80
70
60
50
1140+00
1145+00
1150+00
1155+00
1160+00
1165+00
1170+00
1175+00

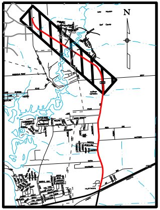

PROPOSED FM 2100 PGL (NBML)
3500 %(+)0.3500 %
(+)0.3500 %(-)0.3662 %
(-)0.3662 %(-)0.9245 %
(-)0.9245 %(+)1.1177 %
(+)1.1177 %(-)0.4000 %
WSEL = 58.87
80
70
60
50
80
70
60
50
2140+00
2145+00
2150+00
2155+00
2160+00
2165+00
2170+00
2175+00


PROPOSED BRIDGE
D
PROPOSED RIGHT-OF-WAY
10'
PROPOSED RIGHT-OF-WAY
POSSIBLE DETENTION POND LOCATION
VOLUME = 62.0 AC-FT
EXISTING RIGHT-OF-WAY
175+00
180+00
185+00
190+00
195+00
200+00
205+00
210+00
215+00
220+00
D
PROPOSED BRIDGE
LUCE BAYOU
IDLELOCH DR
EXISTING RIGHT-OF-WAY
PROPOSED RIGHT-OF-WAY
POSSIBLE DETENTION POND LOCATION
VOLUME = 11.36 AC-FT

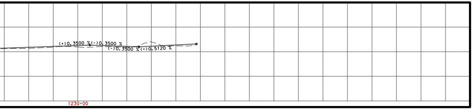

80
70
60
50
LUCE BAYOU
(-)0.4000 %(+)0.5899 %
WSEL = 64.09
(+)0.5899 %(-)0.3500 %
(-)0.3500 %(+)0.3500 %
(+)0.3500 %(-)0.3500 %
(-)0.3500 %(+)0.3500 %
(+)0.3500 %(-)0.3500 %
(-)0.3500 %(+)0.3500 %
1180+00
1185+00
1190+00
1195+00
1200+00
1205+00
1210+00
1215+00
1220+00
1225+00

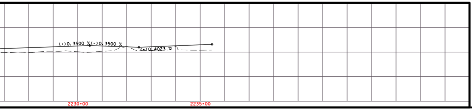

80
70
60
50
LUCE BAYOU
(-)0.4000 %(+)0.5899 %
WSEL = 64.09
(+)0.5899 %(-)0.3500 %
(+)0.3500 %(-)0.3500 %
(+)0.3500 %(-)0.3500 %
(-)0.3500 %(+)0.3500 %
2180+00
2185+00
2190+00
2195+00
2200+00
2205+00
2210+00
2215+00
2220+00
2225+00


HUFFMAN CLEVELAND RD (NORTH)
POT 6+59.20
PT 5+42.83
5+00
225+00
PC 0+45.58
230+00
235+00
240+00
EXISTING RIGHT-OF-WAY
END PROJECT
CSJ 1062-02-009
STA. 242+48
N
TRAFFIC DATA
1350
<1920>
1270
<1800>
1240
<1770>
270
<390>
60
<90>
FM 2100
FM 2100
160
<230>
60
<80>
140
<200>
40
<60>
70
<100>
30
<40>
1000
<1420>
FAIRWAY CROSSING DR
AFTON WAY
IDLELOCH DR
HUFFMAN CLEVELAND RD NORTH



VICINITY MAP


(+)0.3500 %
(-)0.3500 %
(-)0.3500 %
(+)0.5120 %
1230+00


(+)0.3500 %
(-)0.3500 %
(+)0.4023 %
2230+00
2235+00

HOUSTON DISTRICT
PROJECT DEVELOPMENT

FM 2100 PUBLIC HEARING SCHEMATIC

PRELIMINARY
SUBJECT TO CHANGE

ROADWAY: FM 2100
COUNTY: HARRIS
LIMITS FROM: FM 1960
LIMITS TO: HUFF/CLEVE RD