SCHEMATIC LAYOUT

SH 105

COUNTIES: MONTGOMERY, SAN JACINTO AND LIBERTY
LIMITS FROM: 10TH STREET IN CONROE
LIMITS TO: BUSINESS 105 IN LIBERTY COUNTY
CSJ: 0338-04-060, ETC.
DATE: FEBRUARY 2019
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 -64
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
CEMETERY			
POTENTIAL HAZARDOUS MATERIAL SITES			
PARK & PICNIC AREAS			
COUNTY/CITY LIMITS			

COLORFILL LEGEND

MAIN LANES
BRIDGE

SCALE

0 100 200 300 400

DESIGN CRITERIA

FUNCTIONAL CLASSIFICATION: ARTERIAL
10TH STREET TO FM 1484 DESIGN CRITERIA: LOW-SPEED URBAN STREET
DESIGN SPEED: 45 MPH
FM 1484 TO STA. 809+00 DESIGN CRITERIA: URBAN ROADWAY
DESIGN SPEED: 50 MPH
STA. 809+00 TO BS 105 DESIGN CRITERIA: MULTI-LANE SUBURBAN HIGHWAY
DESIGN SPEED: 60 MPH

PROJECT CURVE DATA

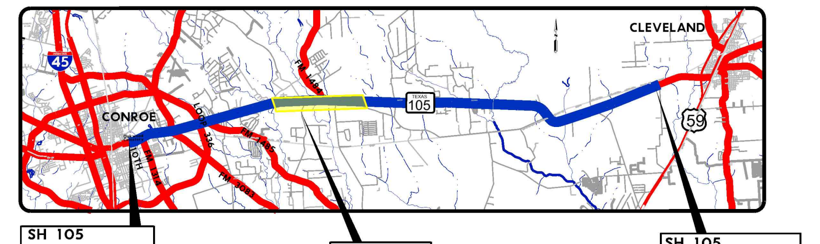
PROPOSED SH 105 BL

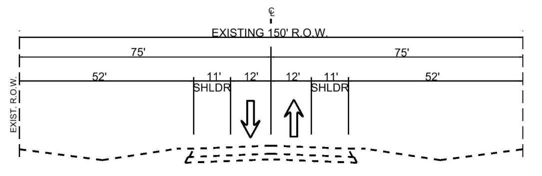
PI STATION = 343+15.09
DELTA = 13° 21′ 00.52″ (RT)
DEGREE OF CURVE = 0° 29′ 28.99″
TANGENT = 1,364.59
LENGTH = 2,716.83
RADIUS = 11,660.00
PC STATION = 329+50.50
PT STATION = 356+67.33
NO SUPERELEVATION REQUIRED

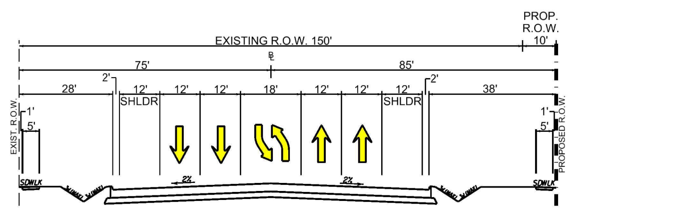
PI STATION = 426+61.75
DELTA = 4° 03′ 34.96″ (RT)
DEGREE OF CURVE = 0° 29′ 53.95″
TANGENT = 407.51
LENGTH = 814.68
RADIUS = 11,497.80
PC STATION = 422+54.24
PT STATION = 430+68.92
NO SUPERELEVATION REQUIRED

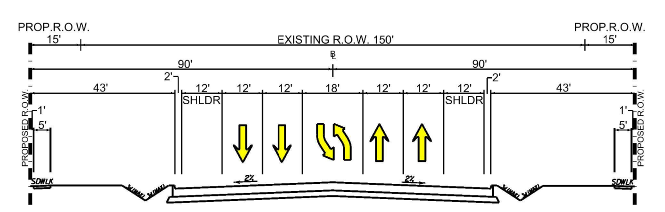
VICINITY MAP

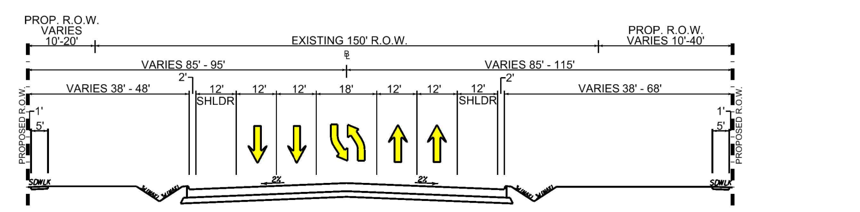
N.T.S.

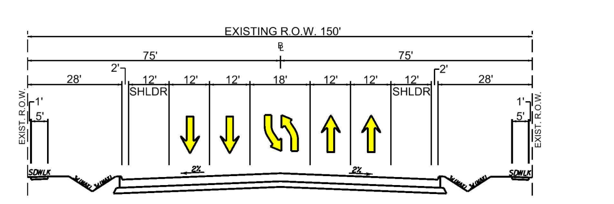



EXISTING TYPICAL SECTION
STA. 340+00 TO STA. 485+00


PROPOSED TYPICAL SECTION
STA. 344+00 TO STA. 381+00


PROPOSED TYPICAL SECTION
STA. 381+00 TO STA. 404+00


PROPOSED TYPICAL SECTION
STA. 416+00 TO STA. 434+00


PROPOSED TYPICAL SECTION
STA. 451+00 TO STA. 485+00

PROFILE LEGEND

PROP SH 105 PROFILE GRADE LINE (PGL)
EXIST NATURAL GROUND @ PROP 105 BL
BRIDGE SUPER-STRUCTURE

SCALE:
H 1" = 100′
V 1" = 10′

PROPOSED SH 105 PROFILE