HAYS COUNTY
TEXAS DEPARTMENT OF TRANSPORTATION
AUSTIN DISTRICT

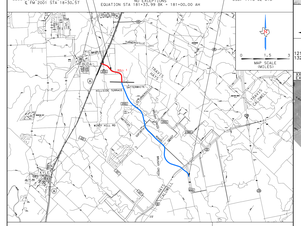
PRELIMINARY DESIGN SCHEMATIC FOR FM 2001

HAYS AND CALDWELL COUNTIES
I-35 TO SH 21
PROJECT LENGTH = 7.865 MILES = 41197.34 FT

CSJ:1776-02-018
NOVEMBER 2019
ROLL 1 OF 5

Texas Department of Transportation

VICINITY MAP



NOT A BIDDING DOCUMENT

BRIAN BOECKER, P.E.
NO. 94686
PROJECT MANAGER

Kimley»Horn
© 2022 KIMLEY-HORN AND ASSOCIATES, INC.

10/4/2022
DATE

SUBMITTED FOR APPROVAL FOR FURTHER PROJECT DEVELOPMENT

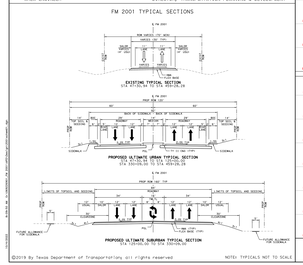
RECOMMENDED BY _____ RECOMMENDED BY _____

ADVANCED PROJECT DEVELOPMENT DIRECTOR — DISTRICT DESIGN ENGINEER

RECOMMENDED BY _____ APPROVED BY _____

AREA ENGINEER — DIRECTOR, TRANSPORTATION PLANNING & DEVELOPMENT

FM 2001 TYPICAL SECTIONS


EXISTING TYPICAL SECTION
STA 181+50.57 TO STA 219+29.28
PROPOSED ULTIMATE URBAN TYPICAL SECTION
STA 181+50.57 TO STA 219+29.28
PROPOSED ULTIMATE SUBURBAN TYPICAL SECTION
STA 1+00.00 TO STA 181+50.57
FLOW LINE
TOP OF CURB
FLOW LINE
LIMITS OF TYPICAL AND SEGMENT
PROP SIDE SLOPE
PROP TOP OF CUT
PROP TOP OF FILL

HAYS COUNTY
TEXAS DEPARTMENT OF TRANSPORTATION
AUSTIN DISTRICT

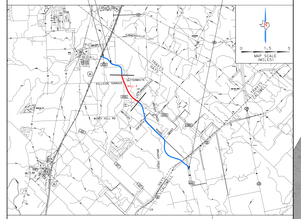
PRELIMINARY DESIGN SCHEMATIC FOR FM 2001

HAYS AND CALDWELL COUNTIES
I-35 TO SH 21
PROJECT LENGTH = 7.865 MILES = 41197.34 FT

CSJ: 1776-02-018
NOVEMBER 2019
ROLL 2 OF 5

Texas Department of Transportation

VICINITY MAP



NOT A BIDDING DOCUMENT

BRIAN BOECKER, P.E.
No. 94486
PROJECT MANAGER

Kimley»Horn
© 2022 KIMLEY-HORN AND ASSOCIATES, INC.

10/4/2022
DATE

SUBMITTED FOR APPROVAL FOR FURTHER PROJECT DEVELOPMENT

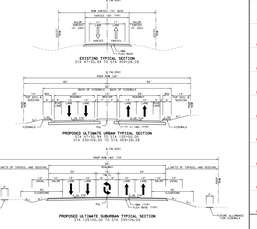
RECOMMENDED BY: _____ RECOMMENDED BY: _____

ADVANCED PROJECT DEVELOPMENT DIRECTOR — DISTRICT DESIGN ENGINEER

RECOMMENDED BY: _____ APPROVED BY: _____

AREA ENGINEER — DIRECTOR, TRANSPORTATION PLANNING & DEVELOPMENT

FM 2001 TYPICAL SECTIONS



©2019 By Texas Department of Transportation, all rights reserved

NOTE: TYPICALS NOT TO SCALE

LEGEND
PROPOSED PAVEMENT
PROPOSED SIDEWALK
PROPOSED CUL-DE-SAC
PROPOSED CROSS STREET
PROPOSED RAISED MEDIAN
PROPOSED LEVEL-UP
APPROX. 100 YEAR FLOOD PLAIN
REMOVE EXISTING PAVEMENT
EXISTING ROW
PROPOSED ROW
PROPOSED EASEMENT
EXISTING EASEMENT
EXISTING PROPERTY LINE
PROPOSED RETAINING WALLS

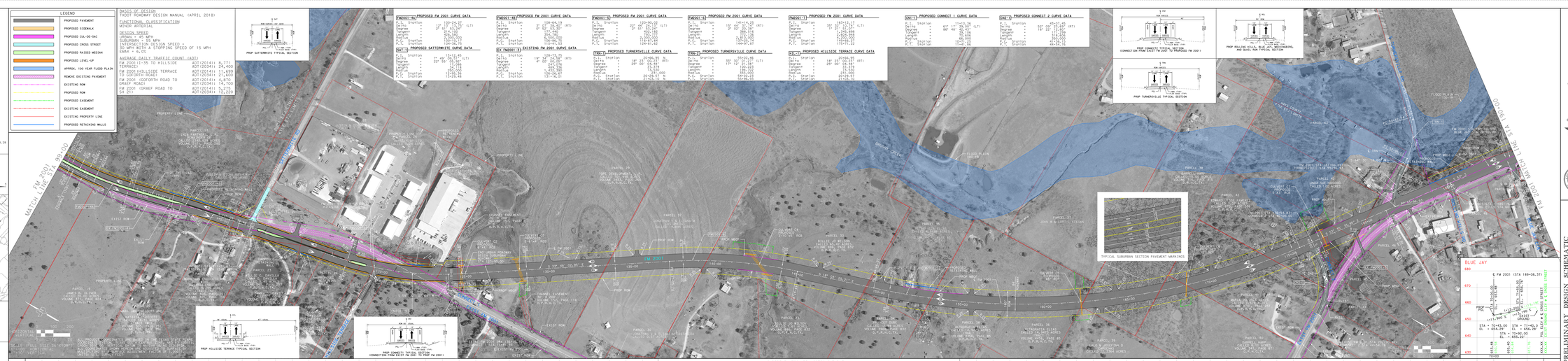
BASIS OF DESIGN
TXDOT ROADWAY DESIGN MANUAL (APRIL 2018)

FUNCTIONAL CLASSIFICATION
MINOR ARTERIAL

DESIGN SPEED
URBAN - 45 MPH
SUBURBAN - 55 MPH
SCHOOL ZONE - 30 MIN. SPEED - 30 MPH WITH A STOPPING SPEED OF 15 MPH
EMAX = 6.0%

AVERAGE DAILY TRAFFIC COUNT (ADT)

FM 2001(I-35 TO HILLSIDE TERRACE)	ADT(2014)= 8,771 ADT(2034)= 24,400
FM 2001(HILLSIDE TERRACE TO GOFORTH ROAD)	ADT(2014)= 11,690 ADT(2034)= 21,600
FM 2001 (GOFORTH ROAD TO CRAFT ROAD)	ADT(2014)= 4,870 ADT(2034)= 14,700
FM 2001 (CRAFT ROAD TO SH 21)	ADT(2014)= 5,275 ADT(2034)= 15,200


FM 2001 (MATCH LINE STA 189+00)
MATCH LINE STA 409+00
PROP TATTERWHITE TYPICAL SECTION
PROP HILLSIDE TERRACE TYPICAL SECTION
PROP SUBURBAN TYPICAL SECTION (CONNECTION FROM EXIST FM 2001 TO PROP FM 2001)
PROP ROLLING HILLS, BLUE JAY, WOODWINDS, AND GRAIL RUN TYPICAL SECTION
PROP TURNERSVILLE TYPICAL SECTION
TYPICAL SUBURBAN SECTION PAVEMENT MARKINGS
BLUE JAY
E FM 2001 (STA 189+08.37)
PROP PGL
EL = 692.48'
STA = 189+00.00
EL = 692.00'
(at) 900 K
STA = 201+00.00
EL = 704.00'
EXIST PGL
EL = 692.25'
STA = 201+00.00
EL = 704.25'
(at) 900 K
STA = 201+00.00
EL = 704.00'
PROP PGL
EL = 704.00'
STA = 201+00.00
EL = 704.00'
STA = 203+45.00
EL = 704.29'
STA = 203+45.00
EL = 704.29'
STA = 203+40.00
EL = 704.00'
STA = 203+40.00
EL = 704.00'
STA = 203+40.00
EL = 704.00

DocuSign Envelope ID: 87413630-BE22-4481-8DD7-1409D4A204A0

HAYS COUNTY
TEXAS DEPARTMENT OF TRANSPORTATION
AUSTIN DISTRICT

PRELIMINARY DESIGN SCHEMATIC FOR FM 2001

HAYS AND CALDWELL COUNTIES
I-35 TO SH 21
PROJECT LENGTH = 7.865 MILES = 41197.54 FT

CSJ:1776-02-018
NOVEMBER 2019
ROLL 3 OF 5

Texas Department of Transportation

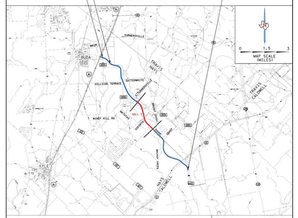
VICINITY MAP

BEGIN PROJECT
E FM 2001 STA 179+00.00
CSJ: 1776-02-018

BEGIN SIDEWALK CONSTRUCTION
E FM 2001 STA 179+50.00

END PROJECT
E FM 2001 STA 409+29.29
CSJ: 1776-02-018

END SIDEWALK CONSTRUCTION
EQUATION STA 181+50.99 BK = 181+00.00 AH



NOT A BIDDING DOCUMENT

Brian C. Bockker

BRIAN BOCKKER, P.E.
No. 94986
PROJECT MANAGER
Kimley»Horn
FIRM #F-928

2/21/2020
DATE

SUBMITTED FOR APPROVAL FOR FURTHER PROJECT DEVELOPMENT

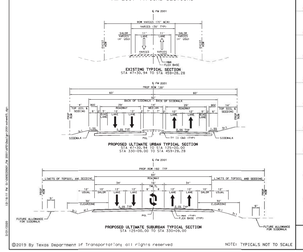
RECOMMENDED BY 3/16/2020
Heather Kelley-Nguyen
ADVANCED PROJECT DEVELOPMENT DIRECTOR

RECOMMENDED BY 3/24/2020
Doug Kellerman, P.E.
DISTRICT DESIGN ENGINEER

RECOMMENDED BY 3/16/2020
Raymond Gregory, P.E.
AREA ENGINEER

APPROVED BY 3/24/2020
Richard J. Gardner
DIRECTOR, TRANSPORTATION PLANNING & DEVELOPMENT

FM 2001 TYPICAL SECTIONS



©2019 By Texas Department of Transportation, all rights reserved

NOTE: TYPICALS NOT TO SCALE

LEGEND

- PROPOSED PAVEMENT
- PROPOSED SIDEWALK
- PROPOSED OUI-CIC-1AC
- PROPOSED ONYX STREET
- PROPOSED RAISED MEDIAN
- PROPOSED LEVEL-UP
- APPROX. 100 YEAR FLOOD PLAIN
- REMOVE EXISTING PAVEMENT
- EXISTING ROW
- PROPOSED ROW
- PROPOSED EASEMENT
- EXISTING EASEMENT
- EXISTING PROPERTY LINE
- PROPOSED RETAINING WALLS

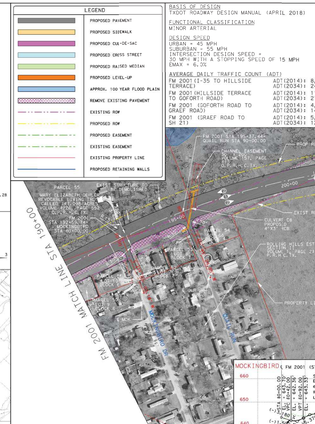
BASIS OF DESIGN
TXDOT ROADWAY DESIGN MANUAL (APRIL 2018)

FUNCTIONAL CLASSIFICATION
MINOR ARTERIAL

DESIGN SPEED
URBAN = 45 MPH
SUBURBAN = 55 MPH
SCHOOL ZONE = 30 MIN SPEED = 30 MPH WITH A STOPPING SPEED OF 15 MPH
EMAX = 6.0%

AVERAGE DAILY TRAFFIC COUNT (ADT)

FM 2001(I-35 TO HILLSIDE TERRACE)	ADT(2014)= 8,771 ADT(2034)= 24,400
FM 2001(HILLSIDE TERRACE TO GOFORTH ROAD)	ADT(2014)= 11,690 ADT(2034)= 21,600
FM 2001 (GOFORTH ROAD TO GRAEF ROAD)	ADT(2014)= 4,870 ADT(2034)= 14,700
FM 2001 (GRAEF ROAD TO SH 21)	ADT(2014)= 5,275 ADT(2034)= 15,200


FM 2001 WATCH LINE STA 179+00
FM 2001 WATCH LINE STA 409+29.29
FM 2001
PROPERTY LINE
PROP ROW
EXIST ROW
FLOOD PLAIN
CULVERT C8 PROPOSED 4-5'X5' RCB
CULVERT C9 PROPOSED 2-8'X5' RCB
CULVERT C10 PROPOSED 2-8'X5' RCB
CULVERT C11 PROPOSED 2-8'X5' RCB
PARCEL 58
DAVID CUDDY
CALLIHAN ESTATE
(AKA 'DAVID CUDDY')
(AKA 'DAVID CUDDY & WIFE')
(AKA 'DAVID CUDDY & WIFE')
(AKA 'DAVID CUDDY & WIFE

DocuSign Envelope ID: 87413630-BE22-4481-8DD7-1409D4A204A0

HAYS COUNTY
TEXAS DEPARTMENT OF TRANSPORTATION
AUSTIN DISTRICT

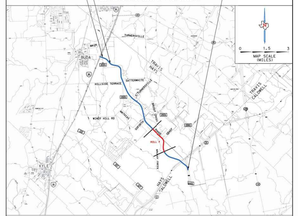
PRELIMINARY DESIGN SCHEMATIC FOR FM 2001

HAYS AND CALDWELL COUNTIES
I-35 TO SH 21
PROJECT LENGTH = 7.985 MILES = 42197.54 FT

CSJ: 1776-02-018
NOVEMBER 2019
ROLL 4 OF 5

Texas Department of Transportation

VICINITY MAP



NOT A BIDDING DOCUMENT

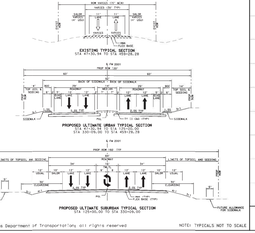
Brian C. Boecker, P.E.
Kimley»Horn
PROJECT MANAGER

2/21/2020
DATE

SUBMITTED FOR APPROVAL FOR FURTHER PROJECT DEVELOPMENT

RECOMMENDED BY 3/16/2020	RECOMMENDED BY 3/24/2020
ADVANCED PROJECT DEVELOPMENT DIRECTOR	DISTRICT DESIGN ENGINEER
RECOMMENDED BY 3/16/2020	APPROVED BY 3/24/2020
AREA ENGINEER	DIRECTOR, TRANSPORTATION PLANNING & DEVELOPMENT

FM 2001 TYPICAL SECTIONS



©2019 By Texas Department of Transportation, all rights reserved

NOTE: TYPICALS NOT TO SCALE

LEGEND

- PROPOSED PAVEMENT
- PROPOSED SIDEWALK
- PROPOSED CUL-DE-SAC
- PROPOSED CROSS STREET
- PROPOSED RAISED MEDIAN
- PROPOSED LEVEE-UP
- APPROX. 100 YEAR FLOOD PLAIN
- REMOVE EXISTING PAVEMENT
- EXISTING ROW
- PROPOSED ROW
- PROPOSED EASEMENT
- EXISTING EASEMENT
- EXISTING PROPERTY LINE
- PROPOSED RETAINING WALLS

BASIS OF DESIGN
TXDOT ROADWAY DESIGN MANUAL (APRIL 2018)

FUNCTIONAL CLASSIFICATION
MINOR ARTERIAL

DESIGN SPEED
URBAN = 45 MPH
SUBURBAN = 55 MPH
SUBURBAN WITH A SIGN SPEED = 50 MPH AND A STOPPING SPEED OF 15 MPH
EMAX = 6.0%

AVERAGE DAILY TRAFFIC COUNT (ADT)

FM 2001 (I-35 TO HILLSIDE TERRACE)	ADT(2014)= 8,771 ADT(2034)= 24,400
FM 2001 (HILLSIDE TERRACE TO GOFORTH ROAD)	ADT(2014)= 11,680 ADT(2034)= 21,600
FM 2001 (GOFORTH ROAD TO GRAEF ROAD)	ADT(2014)= 4,870 ADT(2034)= 14,700
FM 2001 (GRAEF ROAD TO SH 21)	ADT(2014)= 5,275 ADT(2034)= 19,200

PROPOSED FM 2001 CURVE DATA

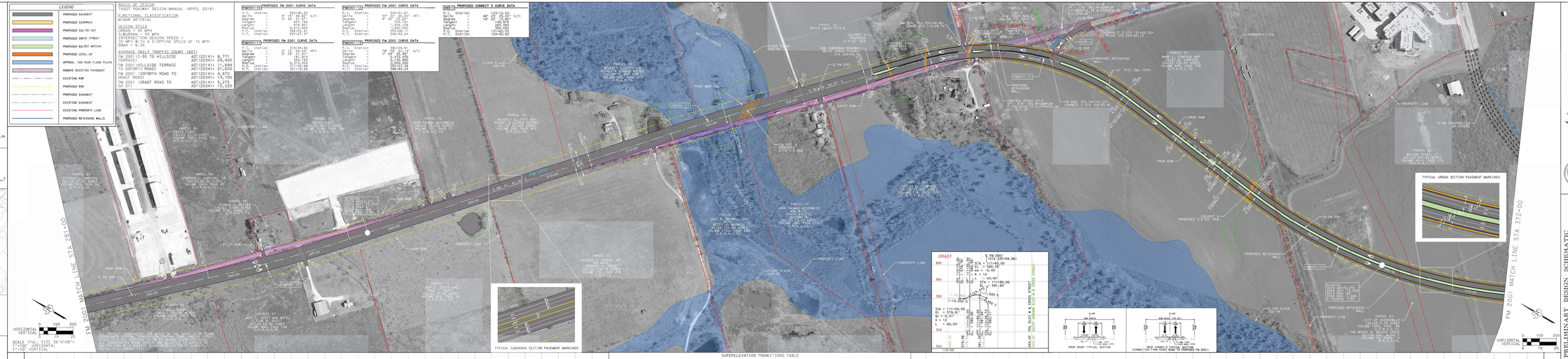
FM2001-1-1	
P.I. Station	252+00.00
Delta	5° 18' 54.87" (LT)
Degree	1° 30' 00.00"
Tangent	132.91
Length	264.957
Radius	3,819.72
P.C. Station	250+67.09
P.T. Station	253+32.07

FM2001-1-2	
P.I. Station	319+54.60
Delta	5° 15' 35.87" (RT)
Degree	1° 31' 07"
Tangent	132.91
Length	263.148
Radius	3,770.09
P.C. Station	318+21.69
P.T. Station	321+16.88

FM2001-1-3	
P.I. Station	360+31.84
Delta	5° 20' 00.00" (RT)
Degree	1° 30' 00.00"
Tangent	132.91
Length	264.129
Radius	3,819.72
P.C. Station	359+98.93
P.T. Station	362+63.06

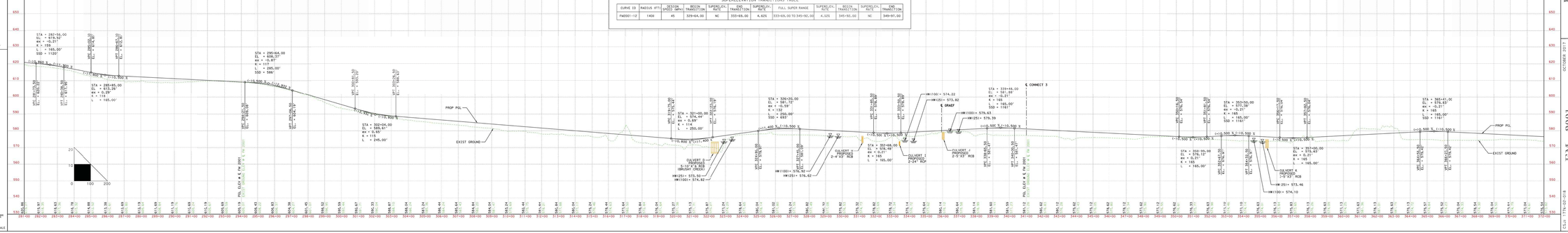
FM2001-1-4	
P.I. Station	360+29.94
Delta	18° 24' 25.87" (LT)
Degree	1° 54' 35.49"
Tangent	132.91
Length	262.967
Radius	3,000.00
P.C. Station	359+96.94
P.T. Station	386+59.91

CONN-3	
P.I. Station	339+19.55
Delta	48° 37' 25.43" (LT)
Degree	9° 30' 00.00"
Tangent	132.91
Length	263.583
Radius	603.00
P.C. Station	337+86.64
P.T. Station	364+50.23



SUPERELEVATION TRANSITIONS TABLE

CURVE ID	RADIUS (FT)	DESIGN SPEED (MPH)	BEGIN TRANSITION	SUPERELEV. RATE	END TRANSITION	SUPERELEV. RATE	FULL SUPER RANGE	SUPERELEV. RATE	BEGIN TRANSITION	SUPERELEV. RATE	END TRANSITION
FM2001-1-2	1400	45	329+64.00	NC	333+69.00	4.62%	333+69.00 TO 345+92.00	4.62%	345+92.00	NC	349+97.00



Kimley»Horn
PREPARED BY: DESIGN BY: TAG, DRAWN BY: S.G.

PRELIMINARY DESIGN SCHEMATIC
HAYS AND CALDWELL COUNTIES
FM 2001
I-35 TO SH 21
7.985 MILES
ROLL 4 OF 5

OCTOBER 2017

FM 2001
TEXAS DEPARTMENT OF TRANSPORTATION
AUSTIN DISTRICT

CSJ: 1776-02-018

DocuSign Envelope ID: 87413630-BE22-4481-8DD7-1409D4A20A40

HAYS COUNTY
TEXAS DEPARTMENT OF TRANSPORTATION
AUSTIN DISTRICT

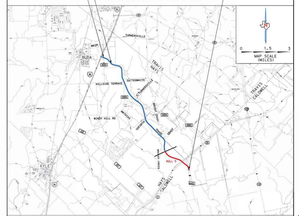
PRELIMINARY DESIGN SCHEMATIC FOR FM 2001

HAYS AND CALDWELL COUNTIES
I-35 TO SH 21
PROJECT LENGTH = 7.985 MILES = 42197.54 FT

CSJ: 1776-02-018
NOVEMBER 2019
ROLL 5 OF 5

Texas Department of Transportation

VICINITY MAP


BEGIN PROJECT
E FM 2001 STA 375+65.00
CSJ: 1776-02-018
BEGIN SIDEWALK CONSTRUCTION
E FM 2001 STA 179+50.00
END SIDEWALK CONSTRUCTION
EQUATION STA 181+55.99 BK = 181+00.00 AHEAD
END PROJECT
E FM 2001 STA 429+28.28
CSJ: 1776-02-018
MAP SCALE
MILES
WILLIAMSON COUNTY
TRAVIS COUNTY
HAYS COUNTY
CALDWELL COUNTY
TAYLOR
HUTTO
JONESTOWN
LAKESIDE
LEANDER
BUDA
KYLE
DRIPPING SPRINGS
WIMBERLEY
DRIFTWOOD
WOODCREEK
MOUNTAIN CITY
HIGHLAND HAVEN
SAN MARCOS
CUMMINS CREEK
CAMP MABRY
BEAR CREEK
BLANCO RIVER
PEDERNALES RIVER
COLORADO RIVER
BRUSHY CREEK
LAKE TRAVIS
LAKE WALTER E. LONG
LAKE AUSTIN
LAKE BASTROP
LAKE MCQUEENEY
LAKE DUNLAP
LAKE PLACID
LAKE KYLE
LAKE MARTIN
LAKE SAN MARCOS
LAKE CAMMACK
LAKE BUCHANAN
LAKE INKS
LAKE LYNDON B. JOHNSON
LAKE HOW-ANI-KA
LAKE LOTT
LAKE SOL VERDE
LAKE CHOCOLATE
LAKE MARIA
LAKE WOODCREEK
LAKE HAMILTON
LAKE HERMAN
LAKE ELIZABETH
LAKE ROSS
LAKE ALICE
LAKE ALICE
LAKE ALICE