SHEET 1 OF 16

WILLIAMSON COUNTY 1848

WILLIAMSON COUNTY

PRELIMINARY DESIGN FOR:

FM 3349 at US 79

PS22

PRECINCT #4

COUNTY: WILLIAMSON
LIMITS:FM 3349 FROM CR 404 TO NORTH OF CR 395
APPROX. LENGTH OF PROJECT = 2.73 MI
APPROX. LENGTH OF BRIDGE = 0.24 MI
FUNCTIONAL CLASSIFICATION = FREEWAY
URBAN OR RURAL JUSTIFICATION = RURAL
TERRAIN = ROLLING
MAXIMUM SUPERELEVATION RATE (emax) = 6.0%
FM 3349 AND US 79: TxDOT RDM (APRIL 2018)
COUNTY ROADS: WILLIAMSON COUNTY DCM

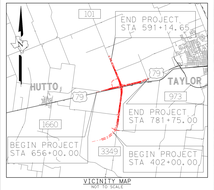
DESIGN SPEED CRITERIA

FM 3349 MAINLANES:	70 MPH
US79 MAINLANES:	65 MPH
FM 3349 FRONTAGE ROAD:	45 MPH (INTERIM)
	45 MPH (ULTIMATE)
US 79 FRONTAGE ROAD:	45 MPH
RAMPS:	55 MPH
DIRECT CONNECTORS:	55 MPH
COUNTY ROADS / CROSS STREETS:	45 MPH
TIE-INS:	40 MPH
JUG HANDLE * :	45 MPH

* LOW-SPEED DESIGN CRITERIA

AADT / TRUCK PERCENTAGE

	2018	2040	
FM 3349	950	66200	6.7
US 79	18000	71000	17.2



VICINITY MAP
NOT TO SCALE

BEARING BASIS: NAD83, TEXAS STATE PLANE, CENTRAL ZONE, US FOOT.

COORDINATES FOR THIS PROJECT ARE SURFACE VALUES BASED ON A COMBINED SURFACE ADJUSTMENT FACTOR OF 1.00012352
VERTICAL DATUM: NAD83, NORTH AMERICA DATUM OF 1983

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0 100 200 300 — H: 1"=100'
0 10 20 30 — V: 1"=10'

STATE OF TEXAS
FELIPE S. TUDTUD
104836
LICENSED
PROFESSIONAL ENGINEER

9/10/2020

PRELIMINARY
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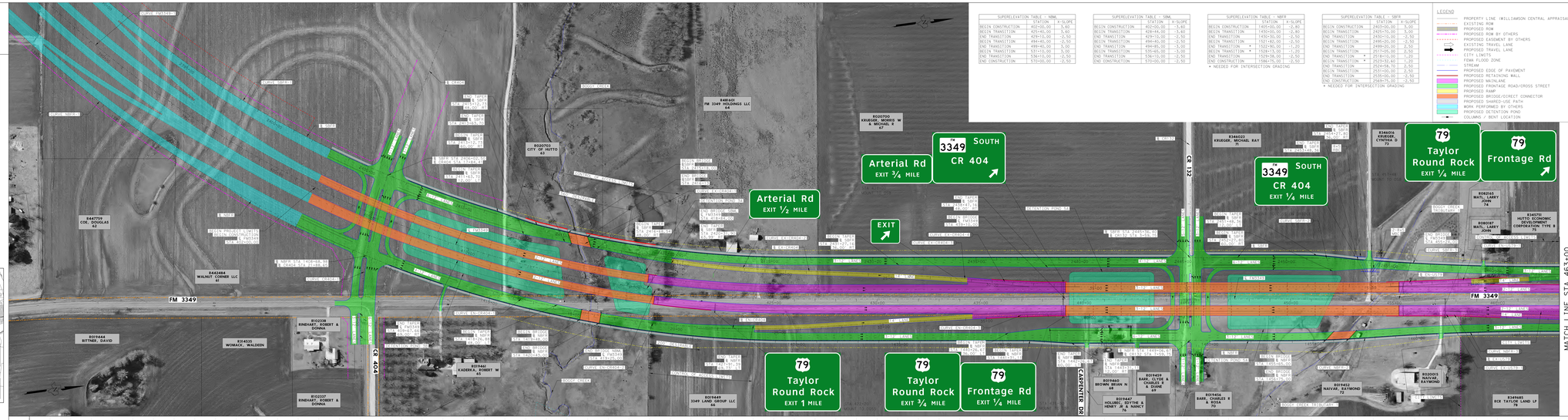
FM 3349
MAINLANE PLAN AND PROFILE

HDR Engineering Inc.
Texas P.E. Firm Registration No. F-754



SUPERELEVATION TABLE - NBML		
	STATION	X-SLOPE
BEGIN CONSTRUCTION	402+00.00	3.80
BEGIN TRANSITION	425+40.00	3.80
END TRANSITION	429+15.00	-2.50
BEGIN TRANSITION	494+40.00	-2.50
END TRANSITION	499+40.00	3.50
BEGIN TRANSITION	534+00.00	-3.50
END TRANSITION	538+10.00	-2.50
END CONSTRUCTION	573+00.00	-2.50

SUPERELEVATION TABLE - SBML		
	STATION	X-SLOPE
BEGIN CONSTRUCTION	402+00.00	3.80
BEGIN TRANSITION	426+44.00	3.80
END TRANSITION	429+15.00	-2.50
BEGIN TRANSITION	494+40.00	-2.50
END TRANSITION	499+40.00	3.50
BEGIN TRANSITION	534+10.00	-3.50
END TRANSITION	570+00.00	-2.50

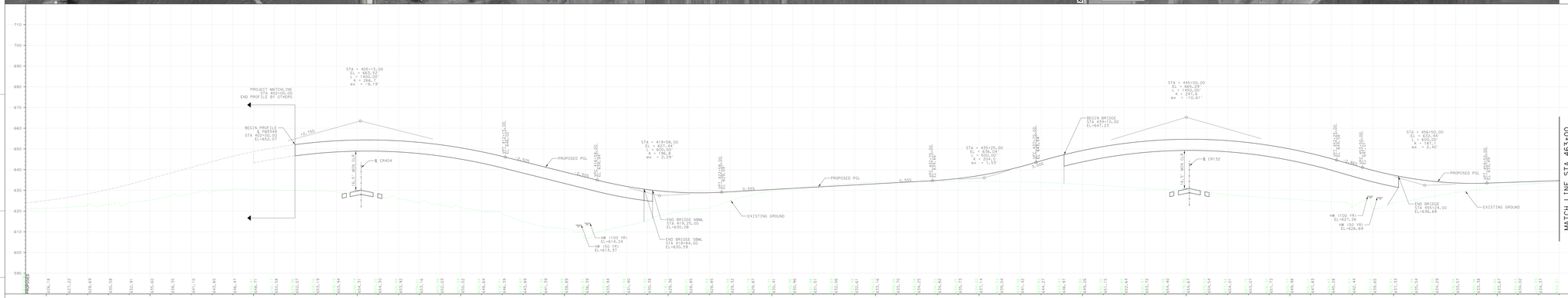
SUPERELEVATION TABLE - NBFR		
	STATION	X-SLOPE
BEGIN CONSTRUCTION	1405+00.00	-2.80
BEGIN TRANSITION	1450+00.00	-2.80
END TRANSITION	1530+50.00	-2.50
BEGIN TRANSITION *	1521+50.00	-2.50
END TRANSITION *	1527+50.00	-1.20
BEGIN TRANSITION *	1529+50.00	-2.50
END TRANSITION *	1584+75.00	-2.50

* NEEDED FOR INTERSECTION GRADING

SUPERELEVATION TABLE - SBFR		
	STATION	X-SLOPE
BEGIN CONSTRUCTION	2403+00.00	3.00
BEGIN TRANSITION	2425+70.00	3.00
END TRANSITION	2430+00.00	-2.50
BEGIN TRANSITION	2498+50.00	-2.50
END TRANSITION	2499+50.00	2.50
BEGIN TRANSITION *	2518+00.00	2.50
END TRANSITION *	2523+30.60	1.20
END TRANSITION	2524+00.00	-2.50
BEGIN TRANSITION	2531+00.00	2.50
END TRANSITION	2538+00.00	-2.50
END CONSTRUCTION	2569+75.00	-2.50

* NEEDED FOR INTERSECTION GRADING

LEGEND
- PROPERTY LINE (WILLIAMSON CENTRAL APPRAISAL DISTRICT)
- EXISTING ROW
- PROPOSED ROW
- PROPOSED ROW BY OTHERS
- PROPOSED EASEMENT BY OTHERS
- EXISTING TRAVEL LANE
- PROPOSED TRAVEL LANE
- CITY LIMITS
- FEMA FLOOD ZONE
- STREAM
- PROPOSED EDGE OF PAVEMENT
- PROPOSED RETAINING WALL
- PROPOSED MAINLANE
- PROPOSED FRONTAGE ROAD/CROSS STREET
- PROPOSED RAMP
- PROPOSED BRIDGE/DIRECT CONNECTOR
- PROPOSED SHARED-USE PATH
- WORK PERFORMED BY OTHERS
- PROPOSED DETENTION POND
- COLUMNS / BENT LOCATION



WILLIAMSON COUNTY 1848

WILLIAMSON COUNTY

PRELIMINARY DESIGN FOR:

FM 3349 at US 79

PS22

PRECINCT #4

COUNTY: WILLIAMSON
LIMITS:FM 3349 FROM CR 404 TO NORTH OF CR 395
APPROX. LENGTH OF PROJECT = 2.73 MI
APPROX. LENGTH OF BRIDGE = 0.24 MI
FUNCTIONAL CLASSIFICATION = FREEWAY
URBAN OR RURAL JUSTIFICATION = RURAL
TERRAIN = ROLLING
MAXIMUM SUPERELEVATION RATE (emax) = 6.0%
FM 3349 AND US 79: TxDOT RDM (APRIL 2018)
COUNTY ROADS: WILLIAMSON COUNTY DCM

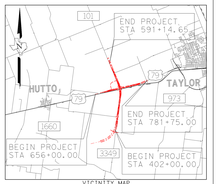
DESIGN SPEED CRITERIA

FM 3349 MAINLANES:	70 MPH
US79 MAINLANES:	65 MPH
FM 3349 FRONTAGE ROAD:	45 MPH (INTERIM)
	45 MPH (ULTIMATE)
US 79 FRONTAGE ROAD:	45 MPH
RAMPS:	55 MPH
DIRECT CONNECTORS:	55 MPH
COUNTY ROADS / CROSS STREETS:	45 MPH
TIE-INS:	40 MPH
JUG HANDLE * :	45 MPH

* LOW-SPEED DESIGN CRITERIA

AADT / TRUCK PERCENTAGE

	2018	2040	
FM 3349	950	66200	6.7
US 79	18000	71000	17.2



VICINITY MAP
NOT TO SCALE

BEARING BASIS: NAD83, TEXAS STATE PLANE, CENTRAL ZONE, US FOOT.

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0 100 200 300 — H: 1"=100'
0 10 20 30 — V: 1"=10'

STATE OF TEXAS
FELIPE S. TUDTUD
104836
LICENSED
PROFESSIONAL ENGINEER

9/10/2020

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FM3349
MAINLANE PLAN AND PROFILE

HDR Engineering Inc.
Texas P.E. Firm Registration No. F-754

SHEET 2 OF 16

WILLIAMSON COUNTY
1848

WILLIAMSON COUNTY

PRELIMINARY DESIGN FOR:
FM 3349 at US 79
PS22
PRECINCT #4

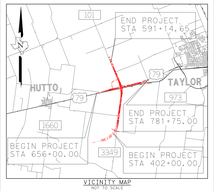
COUNTY: WILLIAMSON
LIMITS:FM 3349 FROM CR 404 TO NORTH OF CR 395
APPROX. LENGTH OF PROJECT = 2.73 MI
APPROX. LENGTH OF BRIDGE = 0.24 MI
FUNCTIONAL CLASSIFICATION = FREEWAY
AREA CLASSIFICATION = RURAL
TERRAIN = ROLLING
MAXIMUM SUPERELEVATION RATE (emax) = 6.0%
FM 3349 AND US 79: TxDOT RDM (APRIL 2018)
COUNTY ROADS: WILLIAMSON COUNTY DCM

DESIGN SPEED CRITERIA

FM 3349 MAINLANES:	70 MPH
US79 MAINLANES:	65 MPH
FM 3349 FRONTAGE ROAD:	45 MPH (INTERIM)
	45 MPH (ULTIMATE)
US 79 FRONTAGE ROAD:	45 MPH
RAMPS:	55 MPH
DIRECT CONNECTORS:	55 MPH
COUNTY ROADS / CROSS STREETS:	45 MPH
TIE-INS:	40 MPH
JUG HANDLE *:	45 MPH

*LOW-SPEED DESIGN CRITERIA

	AADT		TRUCK PERCENTAGE	
	2018	2040		
FM 3349	950	66200	6.7	
US 79	18000	71000	17.2	



VICINITY MAP
NOT TO SCALE

BEARING BASIS: NAD83, TEXAS STATE PLANE, CENTRAL ZONE, US FOOT.

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VERTICAL DATUM: NAD83, NORTH AMERICA DATUM OF 1983

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0 100 200 300
H: 1"=100'

0 10 20 30
V: 1"=10'

FELIPE S. TUDTUD
104836
STATE OF TEXAS

9/10/2020

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FM 3349
MAINLANE PLAN AND PROFILE

HDR Engineering Inc.
Texas P.E. Firm Registration No. F-754

LEGEND

- PROPERTY LINE (WILLIAMSON CENTRAL APPRAISAL DISTRICT)
- EXISTING ROW
- PROPOSED ROW
- PROPOSED ROW BY OTHERS
- PROPOSED EASEMENT BY OTHERS
- EXISTING TRAVEL LANE
- PROPOSED TRAVEL LANE
- CITY LIMITS
- FEMA FLOOD ZONE
- STREAM
- PROPOSED EDGE OF PAVEMENT
- PROPOSED RETAINING WALL
- PROPOSED MAINLANE
- PROPOSED FRONTAGE ROAD/CROSS STREET
- PROPOSED RAMP
- PROPOSED BRIDGE/DIRECT CONNECTOR
- PROPOSED SHARED-USE PATH
- WORK PERFORMED BY OTHERS
- PROPOSED DETENTION POND
- COLUMNS / BENT LOCATION

SUPERELEVATION TABLE - NBML		
	STATION	X-SLOPE
BEGIN CONSTRUCTION	402+00.00	3.60
BEGIN TRANSITION	409+15.00	3.60
END TRANSITION	429+15.00	-2.50
BEGIN TRANSITION	494+45.00	-2.50
END TRANSITION	499+46.00	3.00
BEGIN TRANSITION	556+15.00	3.00
END TRANSITION	558+15.00	-2.50
END CONSTRUCTION	570+00.00	-2.50

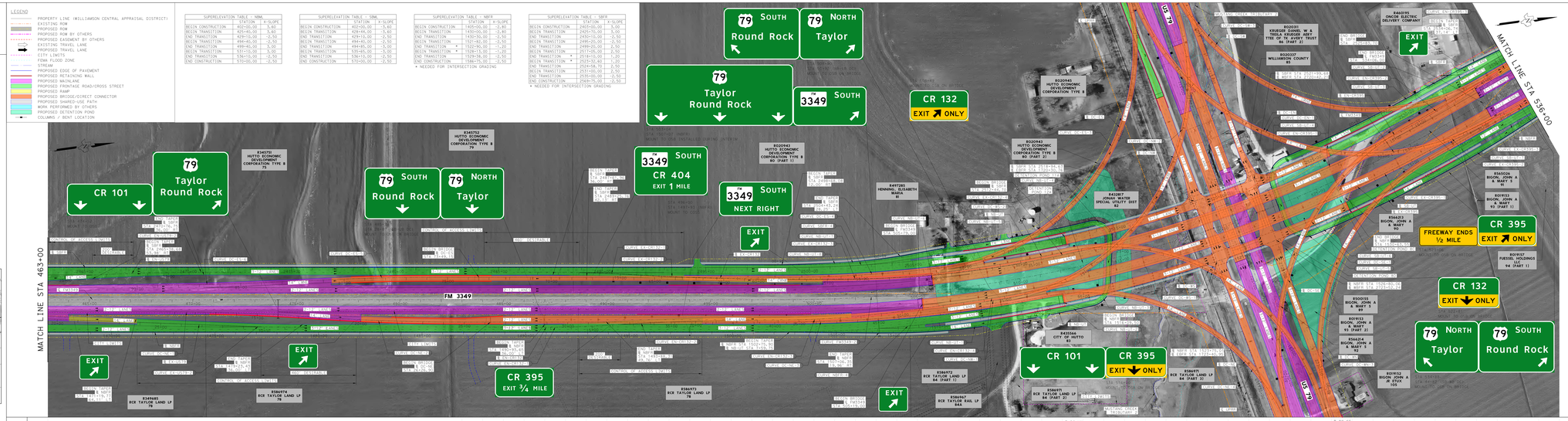
SUPERELEVATION TABLE - SBML		
	STATION	X-SLOPE
BEGIN CONSTRUCTION	402+00.00	-3.60
BEGIN TRANSITION	429+44.00	-3.60
END TRANSITION	429+10.00	-2.50
BEGIN TRANSITION	494+40.00	-2.50
END TRANSITION	494+85.00	-3.00
BEGIN TRANSITION	556+15.00	-3.00
END TRANSITION	558+10.00	-2.50
END CONSTRUCTION	570+00.00	-2.50

SUPERELEVATION TABLE - NBFR		
	STATION	X-SLOPE
BEGIN CONSTRUCTION	1405+00.00	-2.80
BEGIN TRANSITION	1435+00.00	-2.80
END TRANSITION	1450+50.00	-2.50
BEGIN TRANSITION	1521+80.00	-2.50
END TRANSITION	1526+75.00	-1.00
BEGIN TRANSITION *	1529+76.00	-1.00
END TRANSITION	1534+75.00	-2.50
END CONSTRUCTION	1586+75.00	-2.50

* NEEDED FOR INTERSECTION GRADING

SUPERELEVATION TABLE - SBFR		
	STATION	X-SLOPE
BEGIN CONSTRUCTION	2405+00.00	3.00
BEGIN TRANSITION	2475+75.00	3.00
END TRANSITION	2490+10.00	-2.50
BEGIN TRANSITION	2499+00.00	-2.50
END TRANSITION	2499+25.00	2.50
BEGIN TRANSITION	2518+00.00	2.50
END TRANSITION *	2518+10.00	-1.20
BEGIN TRANSITION *	2523+32.40	-1.20
END TRANSITION	2528+58.75	2.50
BEGIN TRANSITION	2531+00.00	2.50
END TRANSITION	2535+00.00	-2.50
END CONSTRUCTION	2586+75.00	-2.50

* NEEDED FOR INTERSECTION GRADING



SUPERELEVATION TABLE - DC-NM		
	STATION	X-SLOPE
BEGIN CONSTRUCTION	19+95.00	2.50
BEGIN TRANSITION	20+60.00	2.50
END TRANSITION	22+00.00	-2.50
BEGIN TRANSITION	51+65.00	-2.50
END TRANSITION	54+00.00	5.80
BEGIN TRANSITION	66+60.00	5.80
END TRANSITION	81+54.00	2.50
END CONSTRUCTION	82+85.00	2.50

SUPERELEVATION TABLE - DC-SE		
	STATION	X-SLOPE
BEGIN CONSTRUCTION	12+00.00	-5.80
BEGIN TRANSITION	13+10.00	-5.80
END TRANSITION	14+40.00	5.80
BEGIN TRANSITION	30+20.00	5.80
END TRANSITION	32+39.00	-2.50
END CONSTRUCTION	32+39.00	-2.50

SUPERELEVATION TABLE - DC-E		
	STATION	X-SLOPE
BEGIN CONSTRUCTION	19+84.00	2.50
BEGIN TRANSITION	32+27.00	2.50
END TRANSITION	33+20.00	5.80
BEGIN TRANSITION	49+70.00	5.80
END TRANSITION	50+70.00	-2.50
END CONSTRUCTION	80+85.00	2.50

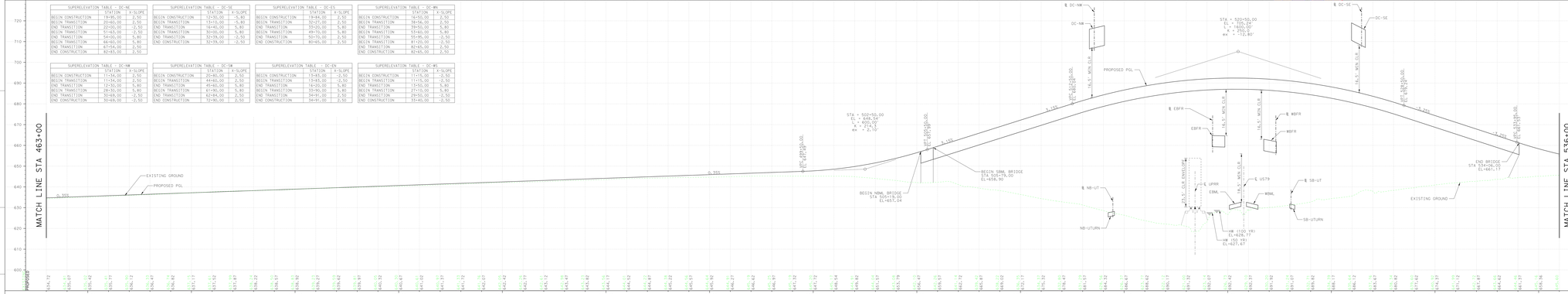
SUPERELEVATION TABLE - DC-W		
	STATION	X-SLOPE
BEGIN CONSTRUCTION	14+50.00	2.50
BEGIN TRANSITION	38+56.00	2.50
END TRANSITION	39+50.00	5.80
BEGIN TRANSITION	53+60.00	5.80
END TRANSITION	55+95.00	-2.50
BEGIN TRANSITION	81+30.00	-2.50
END TRANSITION	82+65.00	2.50
END CONSTRUCTION	82+65.50	2.50

SUPERELEVATION TABLE - DC-NB		
	STATION	X-SLOPE
BEGIN CONSTRUCTION	11+34.00	2.50
BEGIN TRANSITION	11+94.00	2.50
END TRANSITION	12+30.00	5.80
BEGIN TRANSITION	28+30.00	5.80
END TRANSITION	30+48.00	-2.50
END CONSTRUCTION	30+48.00	-2.50

SUPERELEVATION TABLE - DC-SB		
	STATION	X-SLOPE
BEGIN CONSTRUCTION	20+80.00	2.50
BEGIN TRANSITION	44+60.00	2.50
END TRANSITION	45+40.00	5.80
BEGIN TRANSITION	61+90.00	5.80
END TRANSITION	62+84.00	2.50
END CONSTRUCTION	62+90.00	2.50

SUPERELEVATION TABLE - DC-EN		
	STATION	X-SLOPE
BEGIN CONSTRUCTION	13+85.00	-2.50
BEGIN TRANSITION	17+85.00	-2.50
END TRANSITION	18+20.00	5.80
BEGIN TRANSITION	33+90.00	5.80
END TRANSITION	34+91.00	2.50
END CONSTRUCTION	34+91.00	2.50

SUPERELEVATION TABLE - DC-WS		
	STATION	X-SLOPE
BEGIN CONSTRUCTION	11+15.00	-2.50
BEGIN TRANSITION	11+55.00	2.50
END TRANSITION	13+50.00	5.80
BEGIN TRANSITION	27+15.00	5.80
END TRANSITION	29+50.00	-2.50
END CONSTRUCTION	29+50.00	-2.50



WILLIAMSON COUNTY
1848

WILLIAMSON COUNTY

PRELIMINARY DESIGN FOR:
FM 3349 at US 79
PS22
PRECINCT #4

COUNTY: WILLIAMSON
LIMITS:FM 3349 FROM CR 404 TO NORTH OF CR 395
APPROX. LENGTH OF PROJECT = 2.73 MI
APPROX. LENGTH OF BRIDGE = 0.24 MI
FUNCTIONAL CLASSIFICATION = FREEWAY
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*LOW-SPEED DESIGN CRITERIA

	AADT		TRUCK PERCENTAGE	
	2018	2040		
FM 3349	950	66200	6.7	
US 79	18000	71000	17.2	

END PROJECT
STA 591+14.65
HUTTO
TAYLOR
END PROJECT
STA 781+75.00
BEGIN PROJECT
STA 656+00.00
BEGIN PROJECT
STA 402+00.00

VICINITY MAP
NOT TO SCALE

BEARING BASIS: NAD83, TEXAS STATE PLANE, CENTRAL ZONE, US FOOT.

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0 100 200 300
H: 1"=100'

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FELIPE S. TUDTUD
104836
STATE OF TEXAS

9/10/2020

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FM3349
MAINLANE PLAN AND PROFILE

HDR Engineering Inc.
Texas P.E. Firm Registration No. F-754

WILLIAMSON COUNTY
1848

WILLIAMSON COUNTY

PRELIMINARY DESIGN FOR:

FM 3349 at US 79

PS22

PRECINCT #4

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* LOW-SPEED DESIGN CRITERIA

	AADT		TRUCK PERCENTAGE
	2018	2040	
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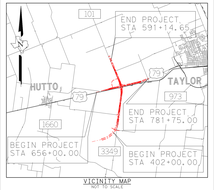

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0 100 200 300 H: 1"=100'

0 10 20 30 V: 1"=10'

STATE OF TEXAS
FELIPE S. TUDTUD
104836
LICENSED
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9/10/2020

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FM 3349
MAINLANE PLAN AND PROFILE

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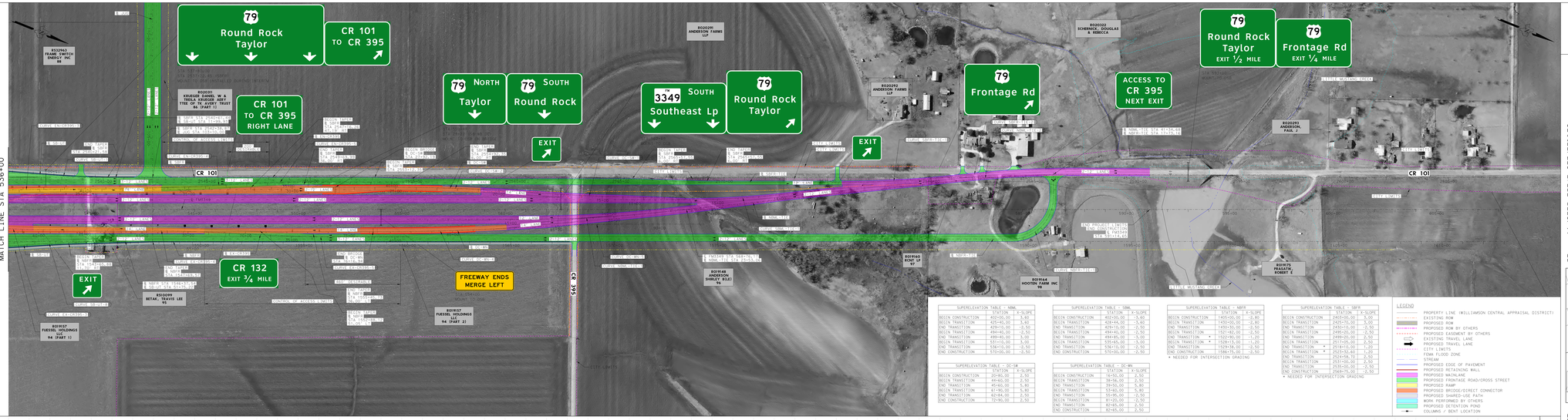


SUPERELEVATION TABLE - NBML	
	STATION R-SLOPE
BEGIN CONSTRUCTION	402+00.00 3.40
BEGIN TRANSITION	423+40.00 3.40
END TRANSITION	429+10.00 -2.50
END CONSTRUCTION	434+00.00 -2.50
BEGIN TRANSITION	499+40.00 3.00
BEGIN TRANSITION	531+10.00 3.00
END TRANSITION	536+10.00 -2.50
END CONSTRUCTION	570+00.00 -2.50

SUPERELEVATION TABLE - SBML	
	STATION R-SLOPE
BEGIN CONSTRUCTION	403+00.00 -3.40
BEGIN TRANSITION	428+44.00 -3.40
END TRANSITION	439+10.00 -2.50
END CONSTRUCTION	444+00.00 -2.50
BEGIN TRANSITION	494+85.00 -3.00
BEGIN TRANSITION	559+65.00 -3.00
END TRANSITION	564+15.00 -2.50
END CONSTRUCTION	570+00.00 -2.50

SUPERELEVATION TABLE - NBFR	
	STATION R-SLOPE
BEGIN CONSTRUCTION	1405+00.00 -2.80
BEGIN TRANSITION	1435+00.00 -2.80
END TRANSITION	1450+80.00 -2.50
END CONSTRUCTION	1455+80.00 -2.50
BEGIN TRANSITION *	1522+86.00 -1.20
END TRANSITION *	1529+36.00 -1.20
END CONSTRUCTION	1586+75.00 -2.50

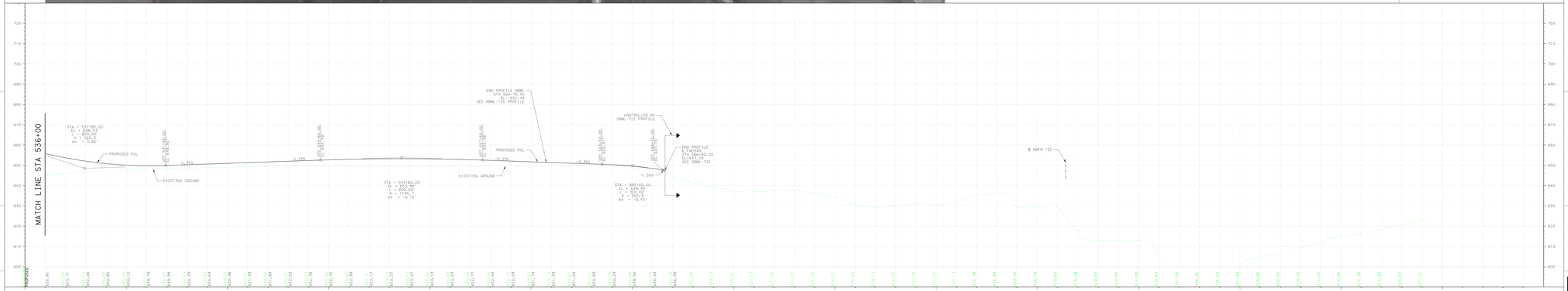
* NEEDED FOR INTERSECTION GRADING

SUPERELEVATION TABLE - SBFR	
	STATION R-SLOPE
BEGIN CONSTRUCTION	2403+00.00 3.00
BEGIN TRANSITION	2425+70.00 3.00
END TRANSITION	2435+10.00 -2.50
END CONSTRUCTION	2440+00.00 -2.50
BEGIN TRANSITION	2499+00.00 2.50
BEGIN TRANSITION	2517+05.00 2.50
END TRANSITION *	2524+00.00 -1.20
BEGIN TRANSITION *	2523+32.60 -1.20
END TRANSITION	2524+96.70 -2.50
BEGIN TRANSITION	2531+00.00 2.50
END TRANSITION	2539+00.00 -2.50
END CONSTRUCTION	2568+75.00 -2.50

* NEEDED FOR INTERSECTION GRADING

LEGEND

- PROPERTY LINE (WILLIAMSON CENTRAL APPRAISAL DISTRICT)
- EXISTING ROW
- PROPOSED ROW
- PROPOSED ROW BY OTHERS
- PROPOSED EASEMENT BY OTHERS
- EXISTING TRAVEL LANE
- PROPOSED TRAVEL LANE
- CITY LIMITS
- FEMA FLOOD ZONE
- STREAM
- PROPOSED EDGE OF PAVEMENT
- PROPOSED RETAINING WALL
- PROPOSED MAINLANE
- PROPOSED FRONTAGE ROAD/CROSS STREET
- PROPOSED RAMP
- PROPOSED BRIDGE/DIRECT CONNECTOR
- PROPOSED SHARED-USE PATH
- WORK PERFORMED BY OTHERS
- PROPOSED DETENTION POND
- COLUMNS / BENT LOCATION



WILLIAMSON COUNTY
1848

WILLIAMSON COUNTY

PRELIMINARY DESIGN FOR:

FM 3349 at US 79

PS22

PRECINCT #4

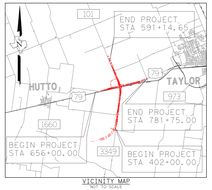
COUNTY: WILLIAMSON
LIMITS:FM 3349 FROM CR 404 TO NORTH OF CR 395
APPROX. LENGTH OF PROJECT = 2.73 MI
APPROX. LENGTH OF BRIDGE = 0.24 MI
FUNCTIONAL CLASSIFICATION = FREEWAY
AREA CLASSIFICATION = RURAL
TERRAIN = ROLLING
MAXIMUM SUPERELEVATION RATE (emax) = 6.0%
FM 3349 AND US 79: TxDOT RDM (APRIL 2018)
COUNTY ROADS: WILLIAMSON COUNTY DCM

DESIGN SPEED CRITERIA

FM 3349 MAINLANES:	70 MPH
US79 MAINLANES:	65 MPH
FM 3349 FRONTAGE ROAD:	45 MPH (INTERIM)
	45 MPH (ULTIMATE)
US 79 FRONTAGE ROAD:	45 MPH
RAMPS:	55 MPH
DIRECT CONNECTORS:	45 MPH
COUNTY ROADS / CROSS STREETS:	45 MPH
TIE-INS:	40 MPH
JUG HANDLE * :	45 MPH

* LOW-SPEED DESIGN CRITERIA

	AADT		TRUCK PERCENTAGE
	2018	2040	
FM 3349	950	66200	6.7
US 79	18000	71000	17.2



VICINITY MAP
NOT TO SCALE

BEARING BASIS: NAD83, TEXAS STATE PLANE, CENTRAL ZONE, US FOOT.

COORDINATES FOR THIS PROJECT ARE SURFACE VALUES BASED ON A COMBINED SURFACE ADJUSTMENT FACTOR OF 1.00012352
VERTICAL DATUM: NAD83, NORTH AMERICA DATUM OF 1983

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0 100 200 300 H: 1"=100'

0 10 20 30 V: 1"=10'

STATE OF TEXAS
FELIPE S. TUDTUD
104836
LICENSED
PROFESSIONAL ENGINEER

9/10/2020

PRELIMINARY

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FM3349
MAINLANE PLAN AND PROFILE

HDR Engineering Inc.
Texas P.E. Firm Registration No. F-754

SHEET 4 OF 16

WILLIAMSON COUNTY
1848

WILLIAMSON COUNTY

PRELIMINARY DESIGN FOR:

FM 3349 at US 79

PS22

PRECINCT #4

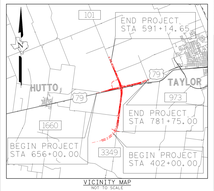
COUNTY: WILLIAMSON
LIMITS:FM 3349 FROM CR 404 TO NORTH OF CR 395
APPROX. LENGTH OF PROJECT = 2.73 MI
APPROX. LENGTH OF BRIDGE = 0.24 MI
FUNCTIONAL CLASSIFICATION = FREEWAY
TERRAIN = RURAL / TRANSITION = RURAL
TERRAIN = ROLLING
MAXIMUM SUPERELEVATION RATE (emax) = 6.0%
FM 3349 AND US 79: TxDOT RDM (APRIL 2018)
COUNTY ROADS: WILLIAMSON COUNTY DCM

DESIGN SPEED CRITERIA

FM 3349 MAINLANES:	70 MPH
US79 MAINLANES:	65 MPH
FM 3349 FRONTAGE ROAD:	45 MPH (INTERIM)
	45 MPH (ULTIMATE)
US 79 FRONTAGE ROAD:	45 MPH
RAMPS:	55 MPH
DIRECT CONNECTORS:	55 MPH
COUNTY ROADS / CROSS STREETS:	45 MPH
TIE-INS:	40 MPH
JUG HANDLE * :	45 MPH

* LOW-SPEED DESIGN CRITERIA

	AADT		TRUCK PERCENTAGE
	2018	2040	
FM 3349	950	66200	6.7
US 79	18000	71000	17.2



VICINITY MAP
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FELIPE S. TUDTUD
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9/10/2020

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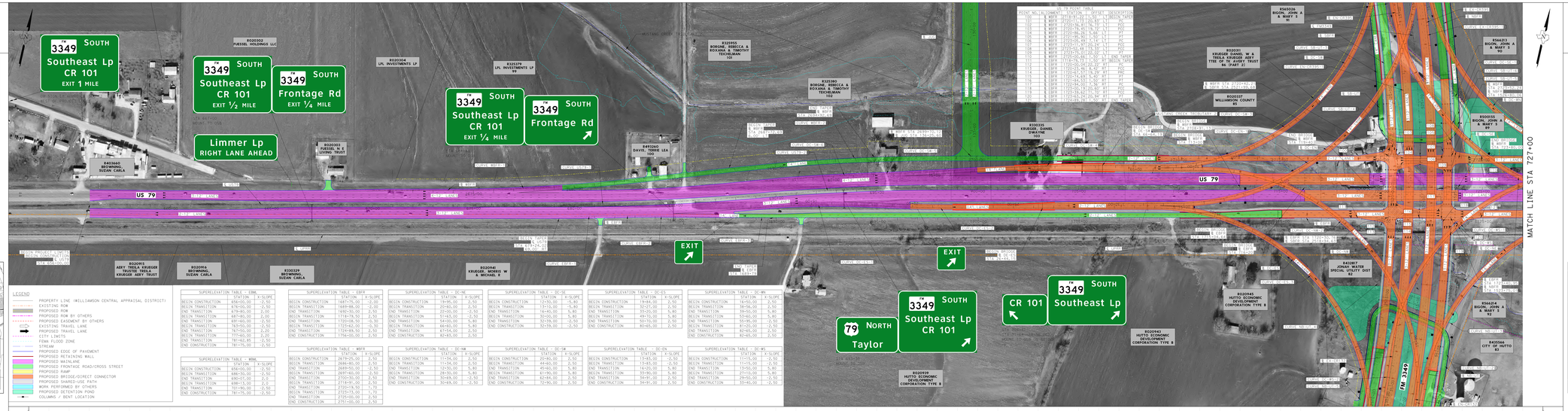
FM 3349
US 79 MAINLANE PLAN AND PROFILE

HDR Engineering Inc.
Texas P.E. Firm Registration No. F-754



LEGEND

- PROPERTY LINE (WILLIAMSON CENTRAL APPRAISAL DISTRICT)
- EXISTING ROW
- PROPOSED ROW
- PROPOSED ROW BY OTHERS
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- FEMA FLOOD ZONE
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- PROPOSED BRIDGE/DIRECT CONNECTOR
- PROPOSED SHARED-USE PATH
- WORK PERFORMED BY OTHERS
- PROPOSED DETENTION POND
- COLUMNS / BENT LOCATION

SUPERELEVATION TABLE - EBML

	STATION	X-SLOPE
BEGIN CONSTRUCTION	656+00.00	-2.50
BEGIN TRANSITION	676+00.00	-2.50
END TRANSITION	679+80.00	-2.00
BEGIN TRANSITION	687+80.00	-2.00
END TRANSITION	691+60.00	-2.50
BEGIN TRANSITION	763+50.00	-2.50
END TRANSITION	767+50.00	-2.00
BEGIN TRANSITION	777+80.00	-2.00
END TRANSITION	781+82.85	-2.50
END CONSTRUCTION	781+75.00	-2.50

SUPERELEVATION TABLE - WBML

	STATION	X-SLOPE
BEGIN CONSTRUCTION	656+00.00	-2.50
END TRANSITION	686+50.00	-2.50
BEGIN TRANSITION	690+07.00	-2.0
END TRANSITION	698+13.00	-2.0
BEGIN TRANSITION	701+90.00	-2.50
END CONSTRUCTION	781+75.00	-2.50

SUPERELEVATION TABLE - EBFR

	STATION	X-SLOPE
BEGIN CONSTRUCTION	1687+75.00	-2.00
END TRANSITION	1689+86.00	-2.00
BEGIN TRANSITION	1690+35.00	-2.50
END TRANSITION	1719+79.50	-2.50
BEGIN TRANSITION	1720+08.50	-0.50
END TRANSITION	1723+62.00	-0.50
BEGIN TRANSITION	1724+89.50	-2.50
END TRANSITION	1754+05.00	-2.50

SUPERELEVATION TABLE - WBFR

	STATION	X-SLOPE
BEGIN CONSTRUCTION	2679+75.00	-2.50
BEGIN TRANSITION	2684+80.00	-2.50
END TRANSITION	2689+50.00	-2.50
BEGIN TRANSITION	2697+60.00	-2.50
END TRANSITION	2700+30.00	-2.50
BEGIN TRANSITION	2718+39.00	-2.50
END TRANSITION	2721+68.00	-2.50
BEGIN TRANSITION	2723+15.00	-2.50
END TRANSITION	2725+00.00	-2.50
END CONSTRUCTION	2731+05.00	-2.50

SUPERELEVATION TABLE - DC-NE

	STATION	X-SLOPE
BEGIN CONSTRUCTION	19+95.00	-2.50
BEGIN TRANSITION	20+60.00	-2.50
END TRANSITION	22+00.00	-2.50
BEGIN TRANSITION	53+45.00	-2.50
END TRANSITION	54+00.00	-5.80
BEGIN TRANSITION	66+60.00	-5.80
END TRANSITION	67+34.00	-2.50
END CONSTRUCTION	67+40.00	-2.50

SUPERELEVATION TABLE - DC-NW

	STATION	X-SLOPE
BEGIN CONSTRUCTION	11+34.00	-2.50
END TRANSITION	12+30.00	-5.80
BEGIN TRANSITION	28+30.00	-5.80
END TRANSITION	30+88.00	-2.50

SUPERELEVATION TABLE - DC-SE

	STATION	X-SLOPE
BEGIN CONSTRUCTION	12+30.00	-5.80
END TRANSITION	13+10.00	-5.80
BEGIN TRANSITION	18+40.00	-5.80
END TRANSITION	30+00.00	-5.80
BEGIN TRANSITION	32+39.00	-2.50
END CONSTRUCTION	32+39.00	-2.50

SUPERELEVATION TABLE - DC-SW

	STATION	X-SLOPE
BEGIN CONSTRUCTION	44+60.00	-2.50
END TRANSITION	45+60.00	-5.80
BEGIN TRANSITION	61+90.00	-5.80
END TRANSITION	62+66.00	-2.50
END CONSTRUCTION	72+90.00	-2.50

SUPERELEVATION TABLE - DC-S

	STATION	X-SLOPE
BEGIN CONSTRUCTION	19+84.00	-2.50
END TRANSITION	32+72.00	-2.50
BEGIN TRANSITION	35+20.00	-5.80
END TRANSITION	49+70.00	-5.80
BEGIN TRANSITION	50+10.00	-2.50
END TRANSITION	80+65.00	-2.50

SUPERELEVATION TABLE - DC-EN

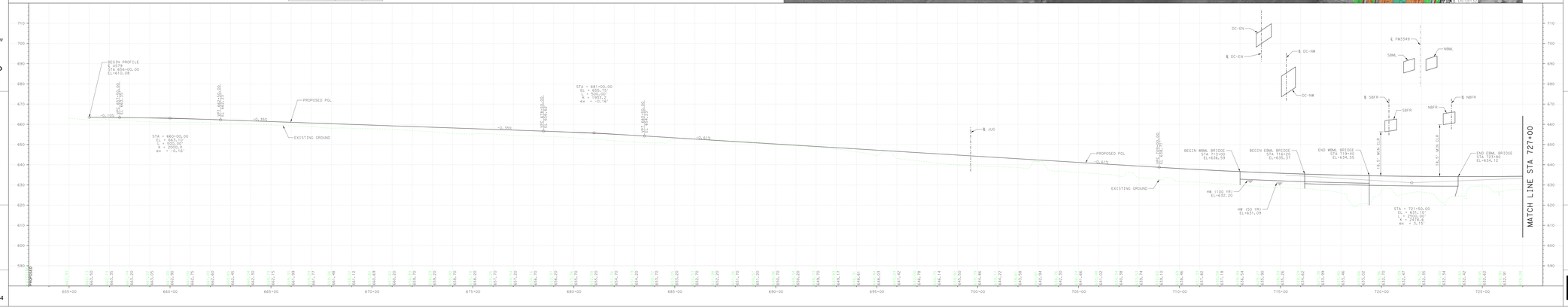
	STATION	X-SLOPE
BEGIN CONSTRUCTION	11+84.00	-2.50
END TRANSITION	13+83.00	-2.50
BEGIN TRANSITION	14+20.00	-5.80
END TRANSITION	33+80.00	-5.80
BEGIN TRANSITION	34+20.00	-2.50
END TRANSITION	54+91.00	-2.50

SUPERELEVATION TABLE - DC-NW

	STATION	X-SLOPE
BEGIN CONSTRUCTION	16+50.00	-2.50
END TRANSITION	38+96.00	-2.50
BEGIN TRANSITION	39+50.00	-5.80
END TRANSITION	55+95.00	-5.80
BEGIN TRANSITION	81+20.00	-2.50
END TRANSITION	82+65.00	-2.50
END CONSTRUCTION	82+65.00	-2.50

SUPERELEVATION TABLE - DC-WS

	STATION	X-SLOPE
BEGIN CONSTRUCTION	11+15.00	-2.50
END TRANSITION	13+50.00	-5.80
BEGIN TRANSITION	27+10.00	-5.80
END TRANSITION	29+50.00	-2.50
END CONSTRUCTION	35+40.00	-2.50



WILLIAMSON COUNTY
1848

WILLIAMSON COUNTY

PRELIMINARY DESIGN FOR:

FM 3349 at US 79

PS22

PRECINCT #4

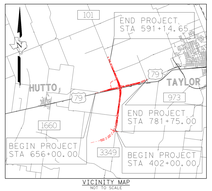
COUNTY: WILLIAMSON
LIMITS:FM 3349 FROM CR 404 TO NORTH OF CR 395
APPROX. LENGTH OF PROJECT = 2.73 MI
APPROX. LENGTH OF BRIDGE = 0.24 MI
FUNCTIONAL CLASSIFICATION = FREEWAY
TERRAIN = RURAL / TRANSITION = RURAL
TERRAIN = ROLLING
MAXIMUM SUPERELEVATION RATE (emax) = 6.0%
FM 3349 AND US 79: TxDOT RDM (APRIL 2018)
COUNTY ROADS: WILLIAMSON COUNTY DCM

DESIGN SPEED CRITERIA

FM 3349 MAINLANES: 70 MPH
US79 MAINLANES: 65 MPH
FM 3349 FRONTAGE ROAD: 45 MPH (INTERIM)
45 MPH (ULTIMATE)
US 79 FRONTAGE ROAD: 45 MPH
RAMPS: 55 MPH
DIRECT CONNECTORS: 55 MPH
COUNTY ROADS / CROSS STREETS: 45 MPH
TIE-INS: 40 MPH
JUG HANDLE * : 45 MPH

* LOW-SPEED DESIGN CRITERIA

AADT TRUCK PERCENTAGE
2018 2040
FM 3349 950 66200 6.7
US 79 18000 71000 17.2



VICINITY MAP
NOT TO SCALE

BEARING BASIS: NAD83, TEXAS STATE PLANE, CENTRAL ZONE, US FOOT.

COORDINATES FOR THIS PROJECT ARE SURFACE VALUES BASED ON A COMBINED SURFACE ADJUSTMENT FACTOR OF 1.00012352
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0 100 200 300 — H: 1"=100'
0 10 20 30 — V: 1"=10'

STATE OF TEXAS
FELIPE S. TUDTUD
104836
LICENSED
PROFESSIONAL ENGINEER

9/10/2020

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FM3349
US 79 MAINLANE PLAN AND PROFILE

HDR Engineering Inc.
Texas P.E. Firm Registration No. F-754

SHEET 5 OF 16

WILLIAMSON COUNTY 1848

WILLIAMSON COUNTY

PRELIMINARY DESIGN FOR:

FM 3349 at US 79

PS22

PRECINCT #4

COUNTY: WILLIAMSON
LIMITS:FM 3349 FROM CR 404 TO NORTH OF CR 395
APPROX. LENGTH OF PROJECT = 2.73 MI
APPROX. LENGTH OF BRIDGE = 0.24 MI
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NHS CLASSIFICATION = RURAL
TERRAIN = ROLLING
MAXIMUM SUPERELEVATION RATE (emax) = 6.0%
FM 3349 AND US 79: TxDOT RDM (APRIL 2018)
COUNTY ROADS: WILLIAMSON COUNTY DCM

DESIGN SPEED CRITERIA

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FM 3349 FRONTAGE ROAD:	45 MPH (INTERIM)
	45 MPH (ULTIMATE)
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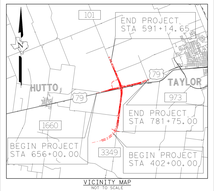
RAMPS:	55 MPH
DIRECT CONNECTORS:	40 MPH
COUNTY ROADS / CROSS STREETS:	45 MPH
TIE-INS:	40 MPH
JUG HANDLE *:	45 MPH

* LOW-SPEED DESIGN CRITERIA

	AADT		TRUCK PERCENTAGE	
	2018	2040		
FM 3349	950	66200	6.7	
US 79	18000	71000	17.2	



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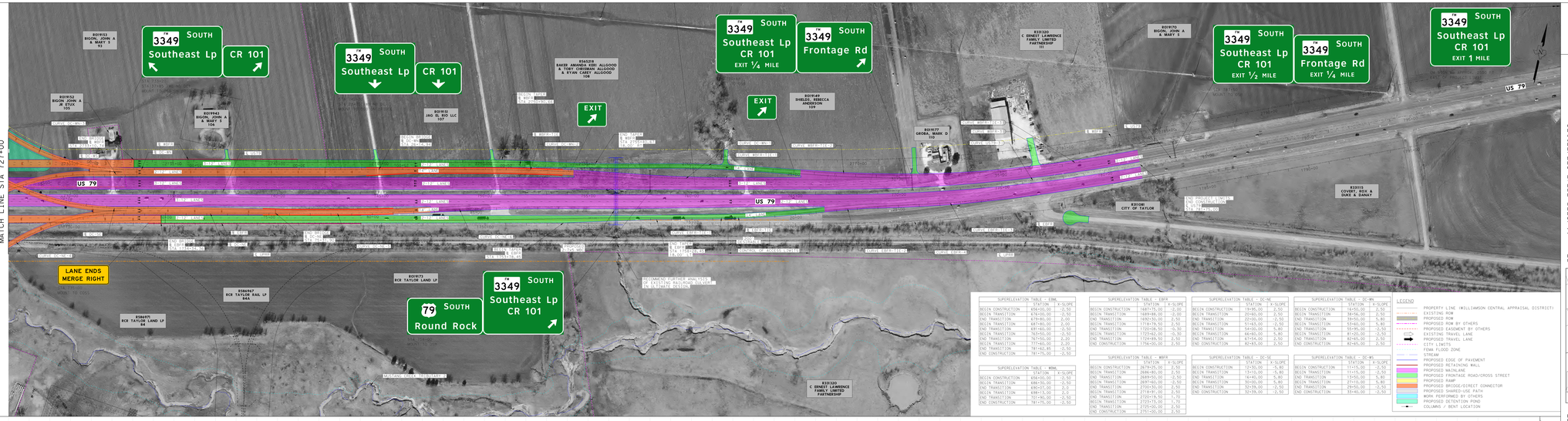
FM 3349
US 79 MAINLANE PLAN AND PROFILE

HDR Engineering Inc.
Texas P.E. Firm Registration No. F-754



SUPERELEVATION TABLE - EBMA	
STATION	X-SLOPE
BEGIN CONSTRUCTION	654+00.00 -2.50
BEGIN TRANSITION	674+00.00 -2.50
END TRANSITION	679+80.00 2.00
BEGIN TRANSITION	687+40.00 2.00
END TRANSITION	691+60.00 -2.50
BEGIN TRANSITION	741+50.00 -2.50
END TRANSITION	747+50.00 2.20
BEGIN TRANSITION	761+00.00 2.00
END TRANSITION	767+62.85 -2.50
END CONSTRUCTION	781+75.00 -2.50

SUPERELEVATION TABLE - WBML	
STATION	X-SLOPE
BEGIN CONSTRUCTION	656+00.00 -2.50
END TRANSITION	686+50.00 -2.50
BEGIN TRANSITION	690+21.00 2.00
END TRANSITION	699+15.00 2.00
BEGIN TRANSITION	741+95.00 -2.50
END CONSTRUCTION	781+75.00 -2.50

SUPERELEVATION TABLE - EBFR	
STATION	X-SLOPE
BEGIN CONSTRUCTION	168+75.00 -2.00
END TRANSITION	169+96.00 -2.00
BEGIN TRANSITION	169+50.00 2.50
END TRANSITION	171+76.00 2.50
BEGIN TRANSITION	172+06.50 -0.30
END TRANSITION	172+61.00 -0.30
BEGIN TRANSITION	172+89.50 2.50
END CONSTRUCTION	179+00.00 2.50

SUPERELEVATION TABLE - WBFR	
STATION	X-SLOPE
BEGIN CONSTRUCTION	267+95.00 2.50
BEGIN TRANSITION	268+80.00 2.50
END TRANSITION	269+90.00 -2.50
BEGIN TRANSITION	269+60.00 -2.50
END TRANSITION	270+90.00 2.50
BEGIN TRANSITION	273+95.00 2.50
END TRANSITION	274+95.00 -2.50
BEGIN TRANSITION	272+15.00 -2.50
END TRANSITION	275+00.00 2.50
END CONSTRUCTION	275+00.00 2.50

SUPERELEVATION TABLE - DC-NB	
STATION	X-SLOPE
BEGIN CONSTRUCTION	19+95.00 2.50
BEGIN TRANSITION	20+60.00 2.50
END TRANSITION	22+00.00 -2.50
BEGIN TRANSITION	51+63.00 -2.50
END TRANSITION	54+00.00 5.80
BEGIN TRANSITION	64+80.00 5.80
END TRANSITION	67+54.00 2.50
END CONSTRUCTION	82+83.00 2.50

SUPERELEVATION TABLE - DC-SB	
STATION	X-SLOPE
BEGIN CONSTRUCTION	12+50.00 -5.80
BEGIN TRANSITION	13+10.00 -5.80
END TRANSITION	16+46.00 5.80
BEGIN TRANSITION	30+00.00 5.80
END TRANSITION	32+39.00 -2.50

SUPERELEVATION TABLE - DC-WS	
STATION	X-SLOPE
BEGIN CONSTRUCTION	11+15.00 -2.50
BEGIN TRANSITION	11+15.00 -2.50
END TRANSITION	13+50.00 5.80
BEGIN TRANSITION	27+10.00 5.80
END TRANSITION	29+50.00 -2.50
END CONSTRUCTION	33+40.00 -2.50

LEGEND
- PROPERTY LINE (WILLIAMSON CENTRAL APPRAISAL DISTRICT)
- EXISTING ROW
- PROPOSED ROW
- PROPOSED ROW BY OTHERS
- PROPOSED EASEMENT BY OTHERS
- EXISTING TRAVEL LANE
- PROPOSED TRAVEL LANE
- CITY LIMITS
- FEMA FLOOD ZONE
- STREAM
- PROPOSED EDGE OF PAVEMENT
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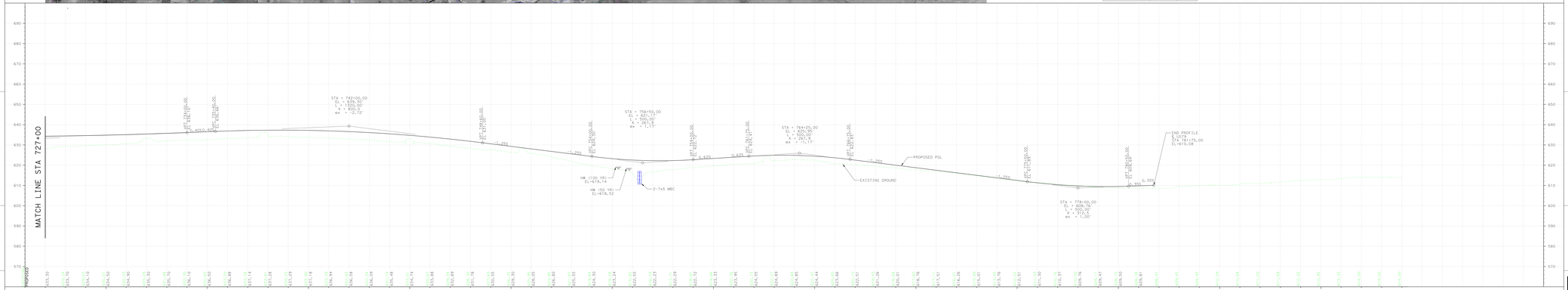

WILLIAMSON COUNTY 1848

WILLIAMSON COUNTY

PRELIMINARY DESIGN FOR:

FM 3349 at US 79

PS22

PRECINCT #4

COUNTY: WILLIAMSON
LIMITS:FM 3349 FROM CR 404 TO NORTH OF CR 395
APPROX. LENGTH OF PROJECT = 2.73 MI
APPROX. LENGTH OF BRIDGE = 0.24 MI
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MAXIMUM SUPERELEVATION RATE (emax) = 6.0%
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COUNTY ROADS: WILLIAMSON COUNTY DCM

DESIGN SPEED CRITERIA

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US79 MAINLANES:	65 MPH
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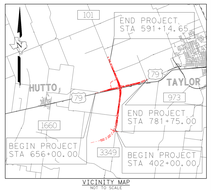
	45 MPH (ULTIMATE)
US 79 FRONTAGE ROAD:	45 MPH
RAMPS:	55 MPH
DIRECT CONNECTORS:	40 MPH
COUNTY ROADS / CROSS STREETS:	45 MPH
TIE-INS:	40 MPH
JUG HANDLE *:	45 MPH

* LOW-SPEED DESIGN CRITERIA

	AADT		TRUCK PERCENTAGE	
	2018	2040		
FM 3349	950	66200	6.7	
US 79	18000	71000	17.2	



VICINITY MAP
NOT TO SCALE

BEARING BASIS: NAD83, TEXAS STATE PLANE, CENTRAL ZONE, US FOOT.

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VERTICAL DATUM: NAD83, NORTH AMERICA DATUM OF 1983

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0 100 200 300 — H: 1"=100'
0 10 20 30 — V: 1"=10'

STATE OF TEXAS
FELIPE S. TUDTUD
104836
LICENSED
9/10/2020

PRELIMINARY
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FM3349
US 79 MAINLANE PLAN AND PROFILE

HDR Engineering Inc.
Texas P.E. Firm Registration No. F-754

SHEET 6 OF 16

WILLIAMSON COUNTY

WILLIAMSON COUNTY

PRELIMINARY DESIGN FOR:

FM 3349 at US 79

P332

PRECINCT #4

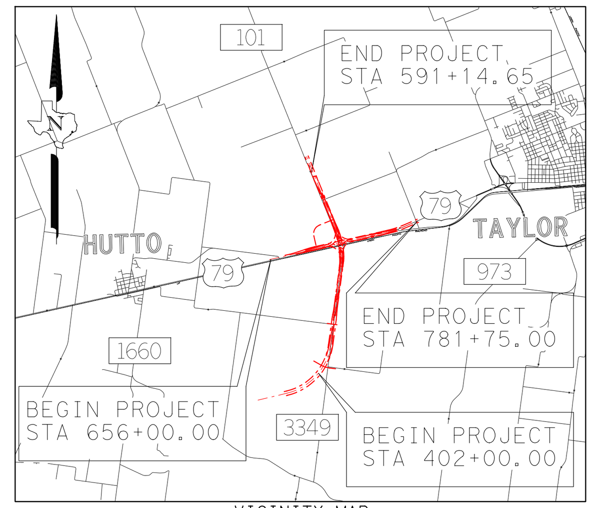
COUNTY: WILLIAMSON
LIMITS:FM 3349 FROM CR 404 TO NORTH OF CR 395
APPROX. LENGTH OF PROJECT = 2.73 MI
APPROX. LENGTH OF BRIDGE = 0.24 MI
FUNCTIONAL CLASSIFICATION = FREEWAY
ROADWAY CLASSIFICATION = RURAL
TERRAIN = ROLLING
MAXIMUM SUPERELEVATION RATE (emax) = 6.0%
FM 3349 AND US 79: TxDOT RDM (APRIL 2018)
COUNTY ROADS: WILLIAMSON COUNTY DCM

DESIGN SPEED CRITERIA

FM 3349 MAINLANES:	70 MPH
US79 MAINLANES:	65 MPH
FM 3349 FRONTAGE ROAD:	45 MPH (INTERIM)
	45 MPH (ULTIMATE)
US 79 FRONTAGE ROAD:	45 MPH
RAMPS:	55 MPH
DIRECT CONNECTORS:	50 MPH
COUNTY ROADS / CROSS STREETS:	45 MPH
TIE-INS:	40 MPH
JUG HANDLE * :	45 MPH

* LOW-SPEED DESIGN CRITERIA

	AADT 2018	AADT 2040	TRUCK PERCENTAGE
FM 3349	950	66200	6.7
US 79	18000	71000	17.2



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FM 3349
JUG HANDLE PLAN & HORIZONTAL DATA

HDR Engineering Inc.
Texas P.E. Firm Registration No. F-754

℄ FM3349

DESIGN SPEED: 70 MPH

FM3349-1
PI STATION = 398+76.46
DELTA = 68° 48' 38.04" (LT)
DEGREE OF CURVE = 1° 04' 51.79"
TANGENT = 3,629.70
LENGTH = 6,365.15
RADIUS = 5,300.00
PC STATION = 362+46.75
PT STATION = 426+11.90

FM3349-2
PI STATION = 515+65.47
DELTA = 29° 38' 37.94" (LT)
DEGREE OF CURVE = 0° 52' 53.30"
TANGENT = 1,720.04
LENGTH = 3,362.99
RADIUS = 6,500.00
PC STATION = 498+45.43
PT STATION = 532+08.42

B NBFR

DESIGN SPEED: 45 MPH

NBFR-1
PI STATION = 1401+65.06
DELTA = 68° 48' 38.04" (LT)

B WBFR

DESIGN SPEED: 45 MPH

B SBFR

℄ US79

℄ CR404

B EBFR

B EN-CR132

B EX-CR132

B NBML-TIE

B SBML-TIE

B NBFR-TIE

B SBFR-TIE

B EBFR-TIE

B WBFR-TIE

B EN-CR404

B EX-CR404

B EN-US79

B EX-US79

B EN-CR395

B EX-CR395

B JUG

B NB-UT

B SB-UT

B DC-SW

B DC-NE

B DC-NW

B DC-SE

B DC-ES

B DC-WN

B DC-WS

B DC-EN

WILLIAMSON COUNTY

PRELIMINARY DESIGN FOR:

FM 3349 at US 79

P332

PRECINCT #4

FM3349
JUG HANDLE PLAN & HORIZONTAL DATA

HDR Engineering Inc.
Texas P.E. Firm Registration No. F-754

SHEET 7 OF 16

WILLIAMSON COUNTY
1848

WILLIAMSON COUNTY

PRELIMINARY DESIGN FOR:

FM 3349 at US 79

P322

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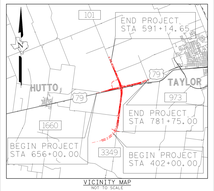

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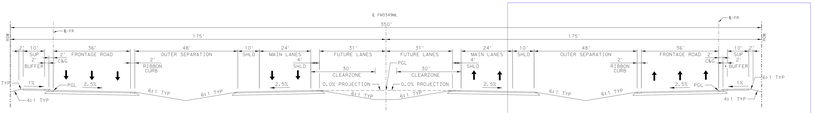
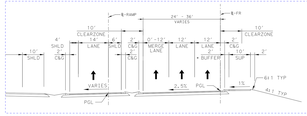
FM 3349
TYPICAL SECTIONS

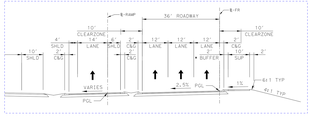
HDR Engineering Inc.
Texas P.E. Firm Registration No. F-754



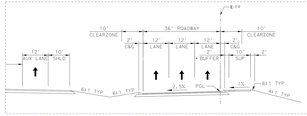
PROPOSED TYPICAL SECTION:
FM 3349 MAINLANE



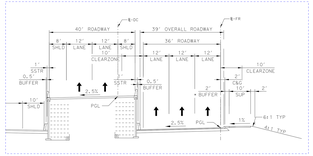
DETAIL A: FRONTAGE ROAD WITH EXIT RAMP



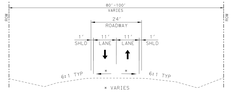
DETAIL B: FRONTAGE ROAD WITH ENTRANCE RAMP



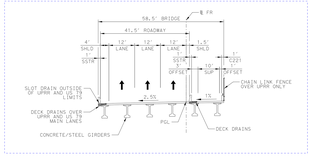
DETAIL C: MAINLANE AUXILIARY LANE WITH FRONTAGE ROAD



DETAIL D: FRONTAGE ROAD WITH DIRECT CONNECTOR

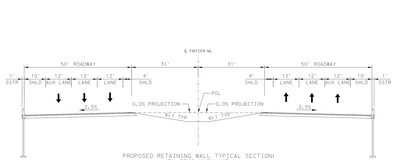


EXISTING FM 3349

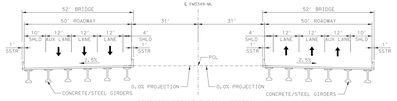


PROPOSED BRIDGE TYPICAL SECTION:
FM 3349 FRONTAGE ROAD

NOTE:
* BUFFER BETWEEN BACK OF CURB AND SUP WILL BE COLORED CONCRETE



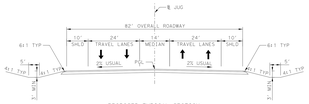
PROPOSED RETAINING WALL TYPICAL SECTION:
FM 3349 MAINLANE



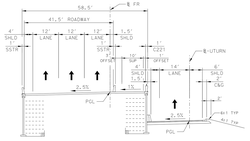
PROPOSED BRIDGE TYPICAL SECTION:
FM 3349 MAINLANE

PROPOSED DIRECT CONNECTOR TYPICAL SECTION:
DC NORTHBOUND FM3349 TO WESTBOUND US 79
DC SOUTHBOUND FM3349 TO EASTBOUND US 79
DC WESTBOUND US 79 TO SOUTHBOUND FM 3349
DC EASTBOUND US 79 TO NORTHBOUND FM 3349

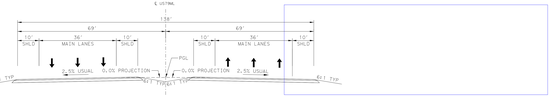
PROPOSED DIRECT CONNECTOR TYPICAL SECTION:
DC NORTHBOUND FM3349 TO EASTBOUND US 79
DC SOUTHBOUND FM3349 TO WESTBOUND US 79
DC WESTBOUND US 79 TO NORTHBOUND FM 3349
DC EASTBOUND US 79 TO SOUTHBOUND FM 3349



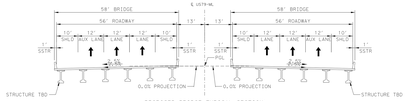
PROPOSED TYPICAL SECTION:
JUGHANDLE



PROPOSED TYPICAL SECTION:
FM 3349 FRONTAGE ROAD WITH TURNAROUND

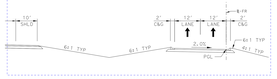


PROPOSED TYPICAL SECTION:
US 79 MAINLANE

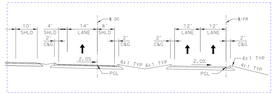


PROPOSED BRIDGE TYPICAL SECTION:
US 79 MAINLANE

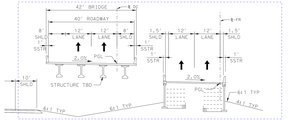
EXISTING US 79



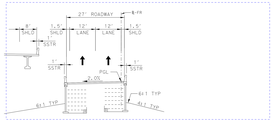
DETAIL E: 2-LANE FRONTAGE ROAD



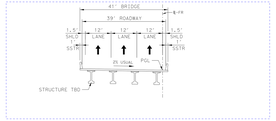
DETAIL F: DIRECT CONNECTOR EXIT RAMP



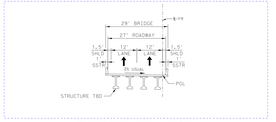
DETAIL G: DIRECT CONNECTOR BRIDGE SECTION AND FRONTAGE ROAD RETAINING WALL SECTION



PROPOSED RETAINING WALL TYPICAL SECTION:
US 79 FRONTAGE ROAD



PROPOSED BRIDGE TYPICAL SECTION:
US 79 FRONTAGE ROADS



PROPOSED BRIDGE TYPICAL SECTION:
US 79 FRONTAGE ROADS

WILLIAMSON COUNTY
1848

WILLIAMSON COUNTY

PRELIMINARY DESIGN FOR:

FM 3349 at US 79

P322

PRECINCT #4

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	AADT		TRUCK PERCENTAGE
	2018	2040	
FM 3349	950	66200	6.7
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FM3349
TYPICAL SECTIONS

HDR Engineering Inc.
Texas P.E. Firm Registration No. F-754

SHEET 8 OF 16

WILLIAMSON COUNTY
1848

WILLIAMSON COUNTY

PRELIMINARY DESIGN FOR:

FM 3349 at US 79

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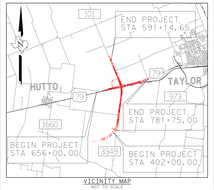

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CENSED
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FM 3349
PROFILES

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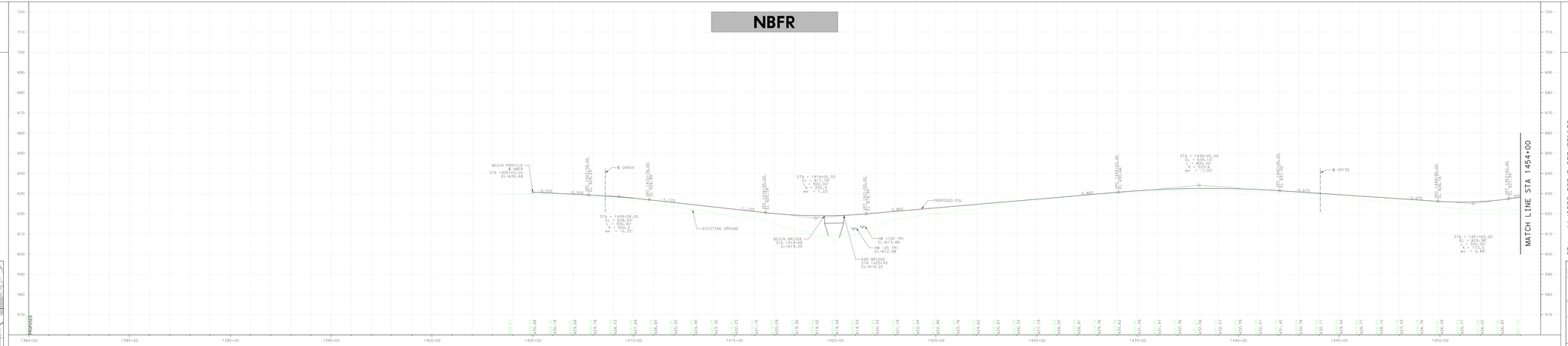

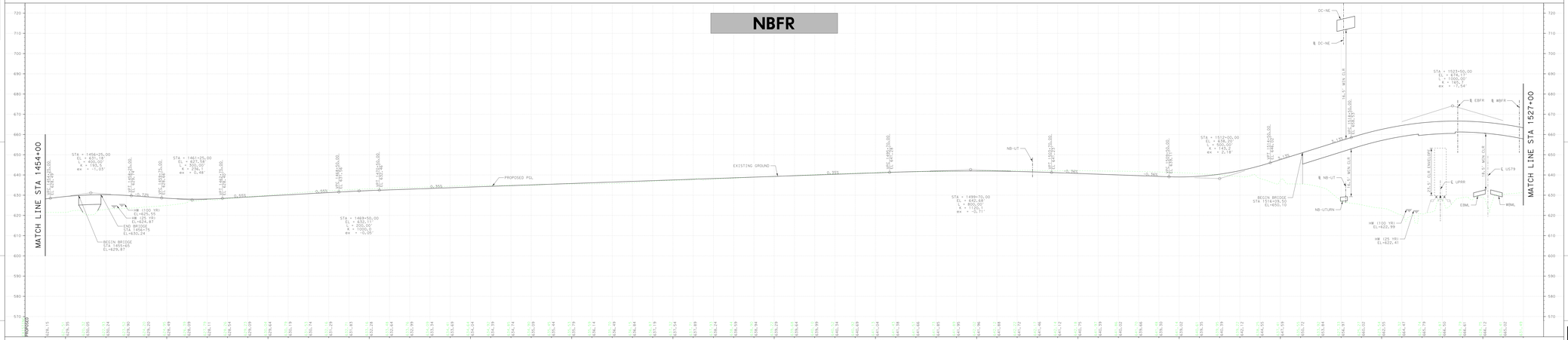

WILLIAMSON COUNTY
1848

WILLIAMSON COUNTY

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FM 3349 at US 79

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	2018	2040	
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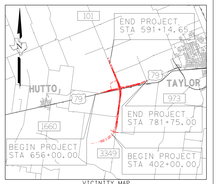
US 79	18000	71000	17.2



VICINITY MAP
NOT TO SCALE

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0 10 20 30 — V: 1"=10'

FELIPE SANTIAGO TUDTUD
104836
CENSED
9/10/2020

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FM3349
PROFILES

HDR Engineering Inc.
Texas P.E. Firm Registration No. F-754

SHEET 9 OF 16

WILLIAMSON COUNTY
1848

WILLIAMSON COUNTY

PRELIMINARY DESIGN FOR:

FM 3349 at US 79

P322

PRECINCT #4

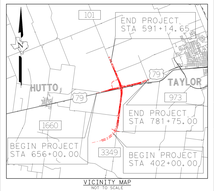
COUNTY: WILLIAMSON
LIMITS:FM 3349 FROM CR 404 TO NORTH OF CR 395
APPROX. LENGTH OF PROJECT = 3.58 MI
APPROX. LENGTH OF BRIDGE = 1.18 MI
FUNCTIONAL CLASSIFICATION = FREEWAY
AREA CLASSIFICATION = RURAL
TERRAIN = ROLLING
MAXIMUM SUPERELEVATION RATE (emax) = 6.0%
FM 3349 AND US 79: TxDOT RDM (APRIL 2018)
COUNTY ROADS: WILLIAMSON COUNTY DCM

DESIGN SPEED CRITERIA

FM 3349 MAINLANES:	70 MPH
US79 MAINLANES:	65 MPH
FM 3349 FRONTAGE ROAD:	45 MPH (INTERIM)
	45 MPH (ULTIMATE)
US 79 FRONTAGE ROAD:	45 MPH
RAMPS:	55 MPH
DIRECT CONNECTORS:	45 MPH
COUNTY ROADS / CROSS STREETS:	45 MPH
TIE-INS:	40 MPH
JUG HANDLE * :	45 MPH

* LOW-SPEED DESIGN CRITERIA

	AADT		TRUCK PERCENTAGE
	2018	2040	
FM 3349	950	66200	6.7
US 79	18000	71000	17.2



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STATE OF TEXAS
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LICENSED
PROFESSIONAL ENGINEER

9/10/2020

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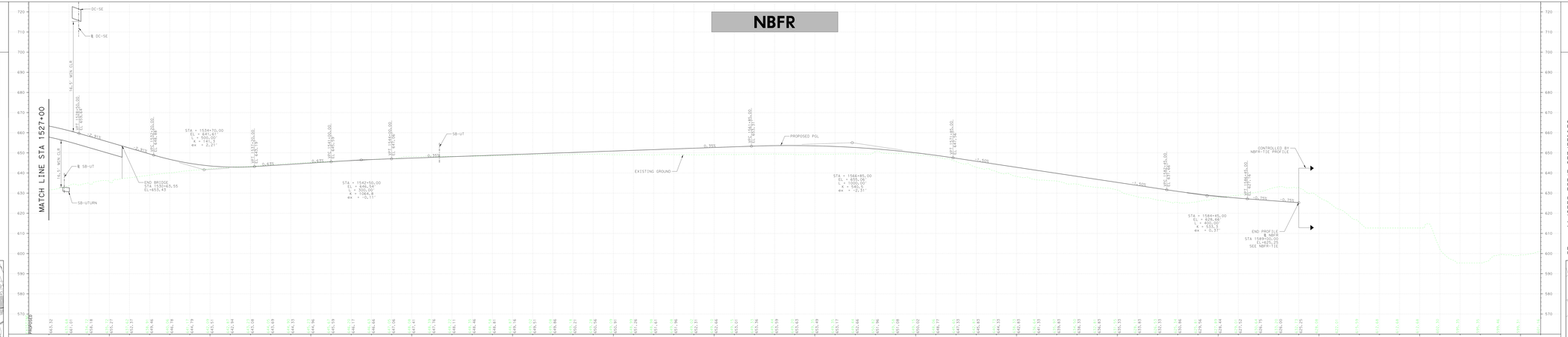
NBFR



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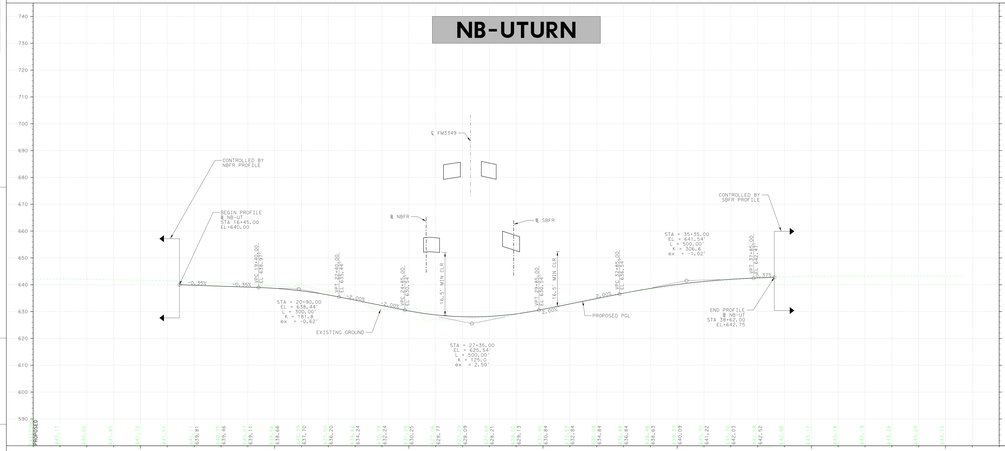

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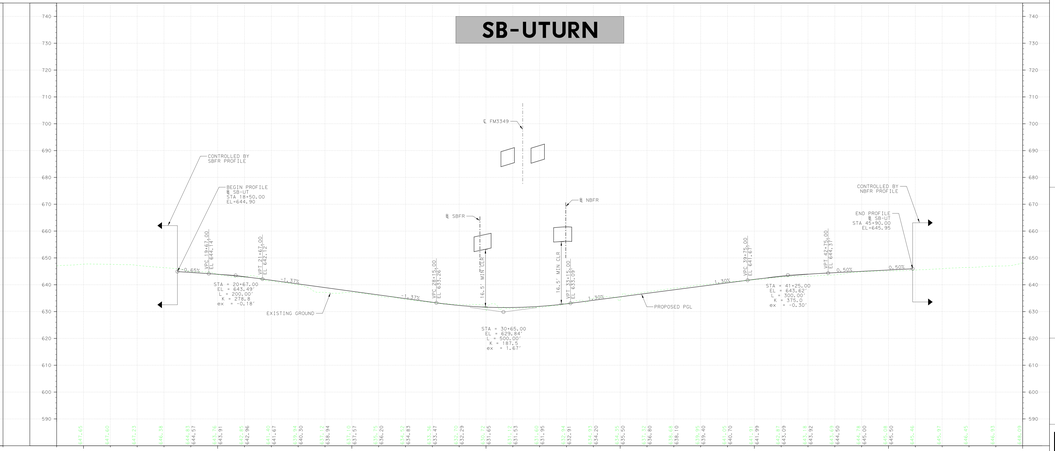

WILLIAMSON COUNTY
1848

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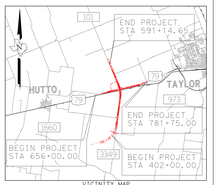

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WILLIAMSON COUNTY
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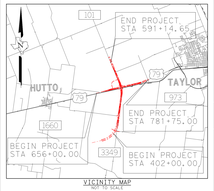

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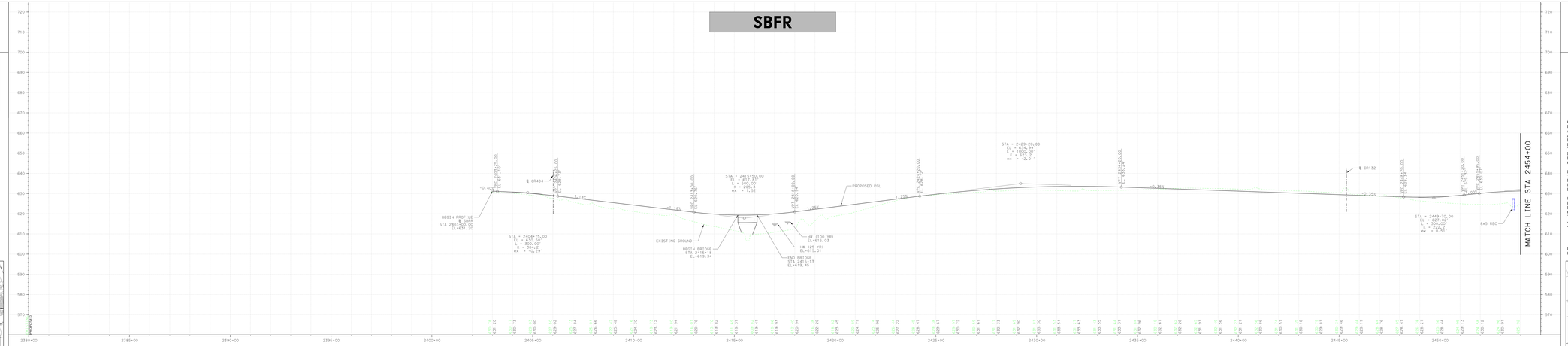

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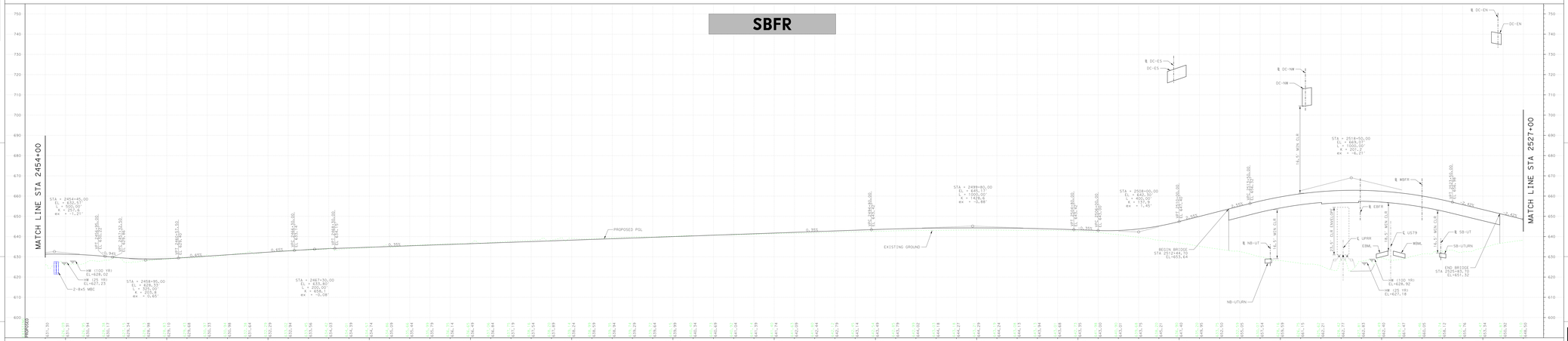

WILLIAMSON COUNTY
1848

WILLIAMSON COUNTY

PRELIMINARY DESIGN FOR:

FM 3349 at US 79

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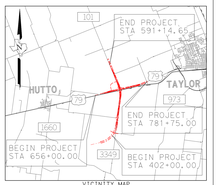

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FM3349
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SHEET 11 OF 16

WILLIAMSON COUNTY
1848

WILLIAMSON COUNTY

PRELIMINARY DESIGN FOR:

FM 3349 at US 79

P322

PRECINCT #4

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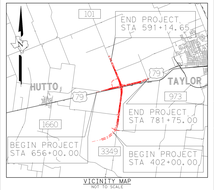

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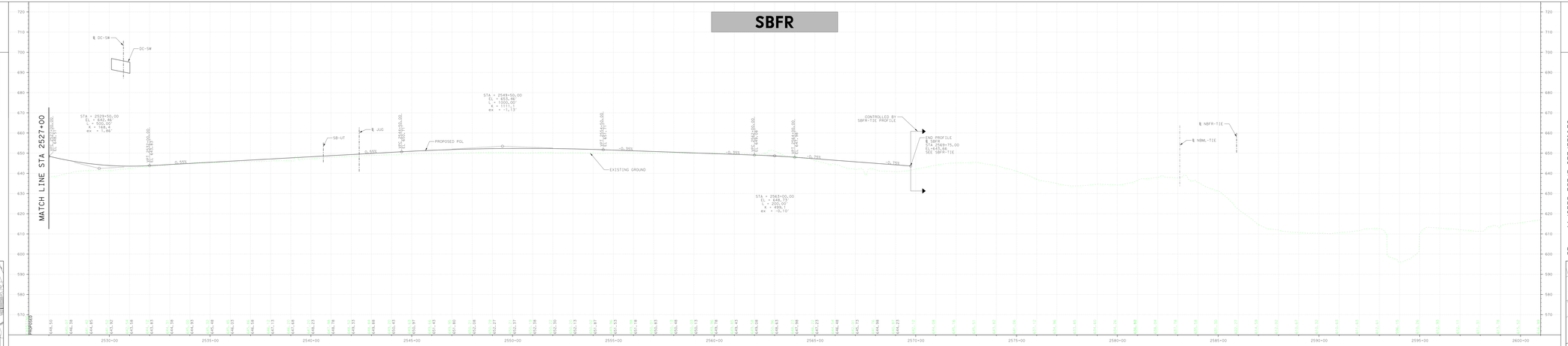

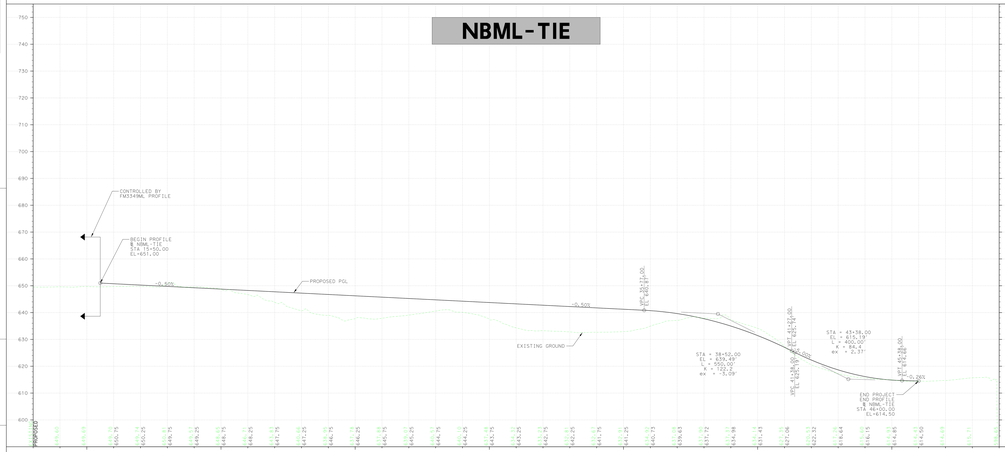

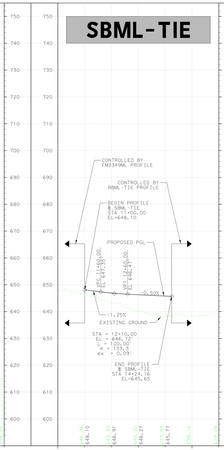

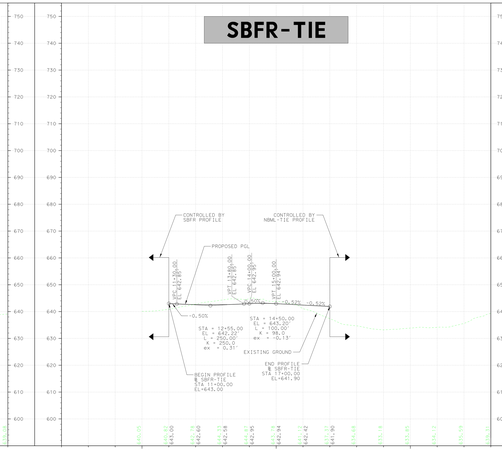

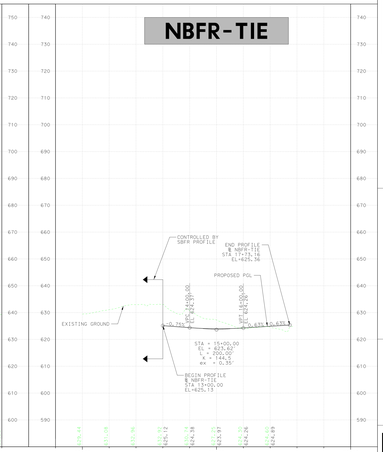

WILLIAMSON COUNTY
1848

WILLIAMSON COUNTY

PRELIMINARY DESIGN FOR:

FM 3349 at US 79

P322

PRECINCT #4

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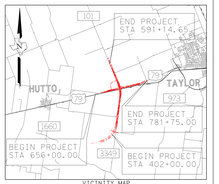

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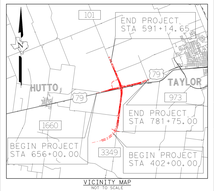

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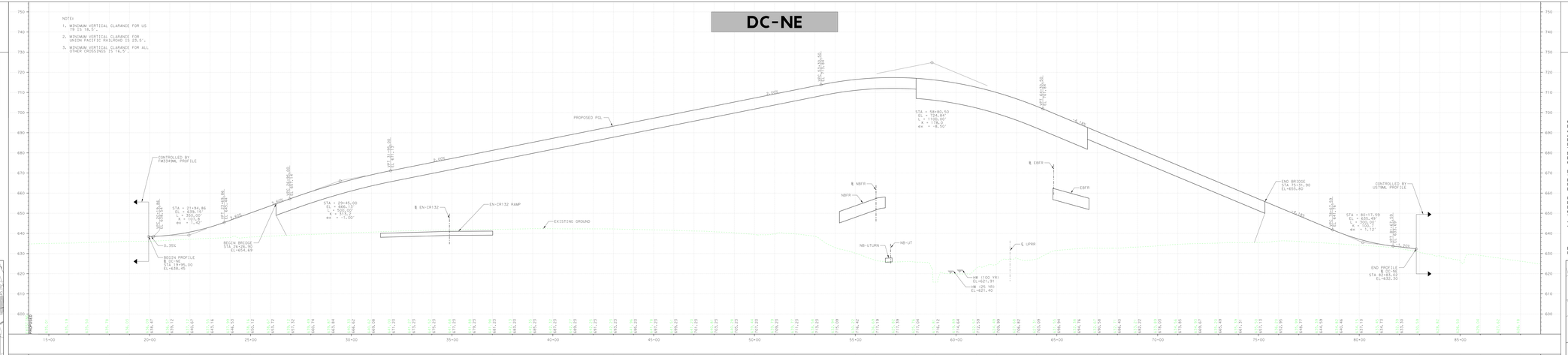

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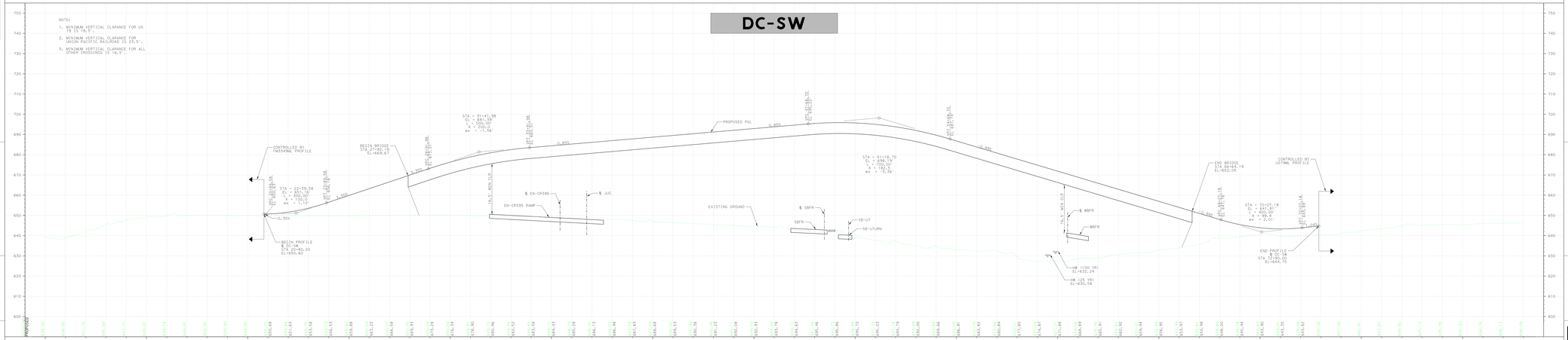

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1848

WILLIAMSON COUNTY

PRELIMINARY DESIGN FOR:

FM 3349 at US 79

P322

PRECINCT #4

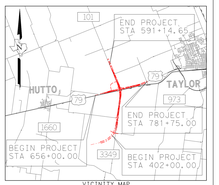
COUNTY: WILLIAMSON
LIMITS:FM 3349 FROM CR 404 TO NORTH OF CR 395
APPROX. LENGTH OF PROJECT = 3.58 MI
APPROX. LENGTH OF BRIDGE = 1.18 MI
FUNCTIONAL CLASSIFICATION = FREEWAY
AREA CLASSIFICATION = RURAL
TERRAIN = ROLLING
MAXIMUM SUPERELEVATION RATE (emax) = 6.0%
FM 3349 AND US 79: TxDOT RDM (APRIL 2018)
COUNTY ROADS: WILLIAMSON COUNTY DCM

DESIGN SPEED CRITERIA

FM 3349 MAINLANES:	70 MPH
US79 MAINLANES:	65 MPH
FM 3349 FRONTAGE ROAD:	45 MPH (INTERIM)
	45 MPH (ULTIMATE)
US 79 FRONTAGE ROAD:	45 MPH
RAMPS:	55 MPH
DIRECT CONNECTORS:	55 MPH
COUNTY ROADS / CROSS STREETS:	45 MPH
TIE-INS:	40 MPH
JUG HANDLE *:	45 MPH

*LOW-SPEED DESIGN CRITERIA

	AADT		TRUCK PERCENTAGE
	2018	2040	
FM 3349	950	66200	6.7
US 79	18000	71000	17.2



VICINITY MAP
NOT TO SCALE

BEARING BASIS: NAD83, TEXAS STATE PLANE, CENTRAL ZONE, US FOOT.

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VERTICAL DATUM: NAD83, NORTH AMERICA DATUM OF 1983

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0 10 20 30 — V: 1"=10'

STATE OF TEXAS
FELIPE S. TUDTUD
104836
LICENSED
9/10/2020

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FM3349
PROFILES

HDR Engineering Inc.
Texas P.E. Firm Registration No. F-754

SHEET 13 OF 16

WILLIAMSON COUNTY
1848

WILLIAMSON COUNTY

PRELIMINARY DESIGN FOR:

FM 3349 at US 79

PS22

PRECINCT #4

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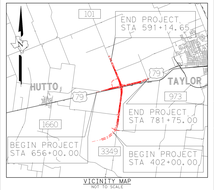

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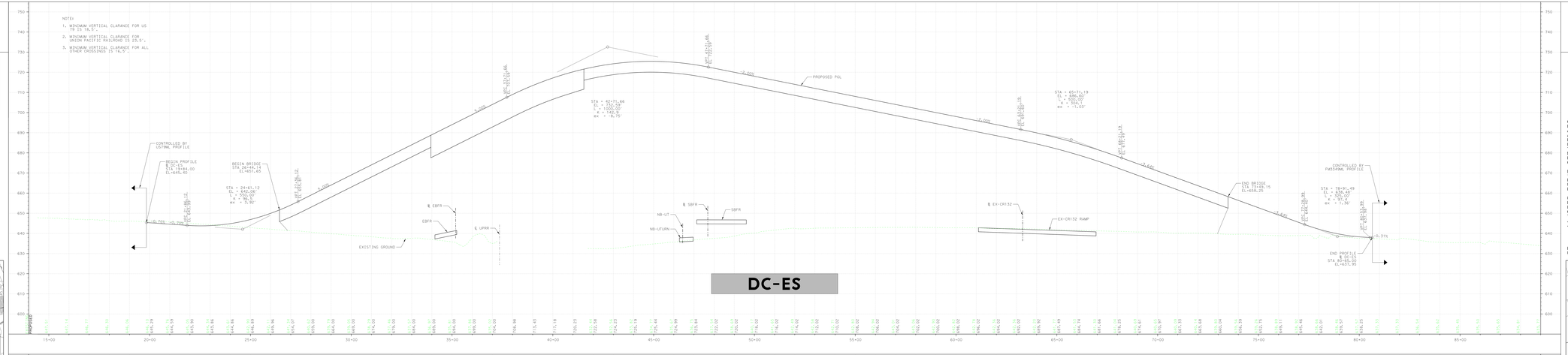

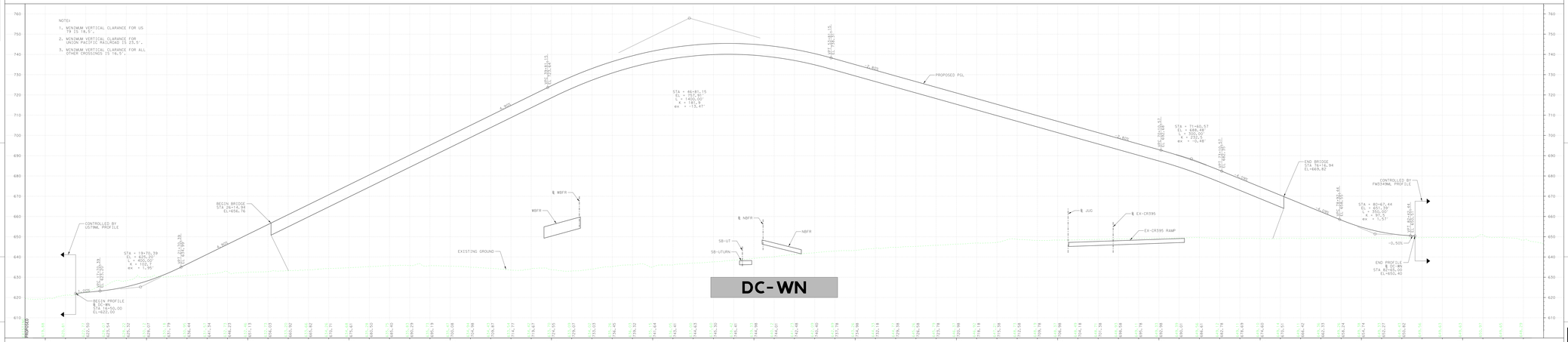

WILLIAMSON COUNTY
1848

WILLIAMSON COUNTY

PRELIMINARY DESIGN FOR:

FM 3349 at US 79

PS22

PRECINCT #4

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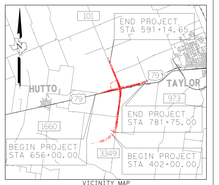

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SHEET 14 OF 16

WILLIAMSON COUNTY
1848

WILLIAMSON COUNTY

PRELIMINARY DESIGN FOR:

FM 3349 at US 79

P322

PRECINCT #4

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	2018	2040	
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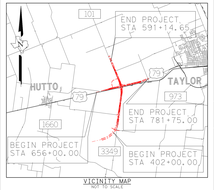

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FM 3349
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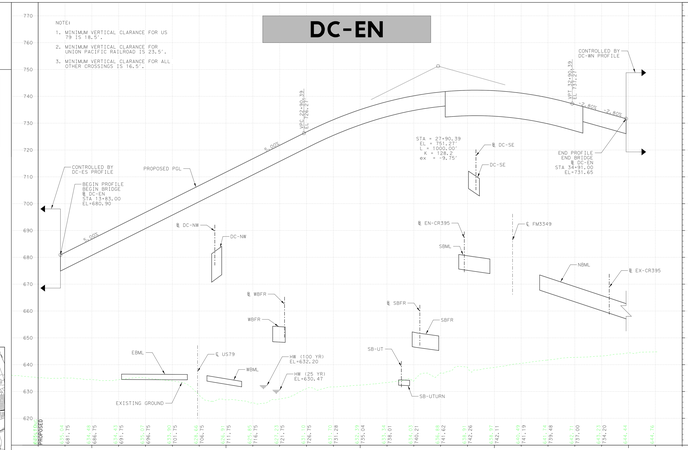

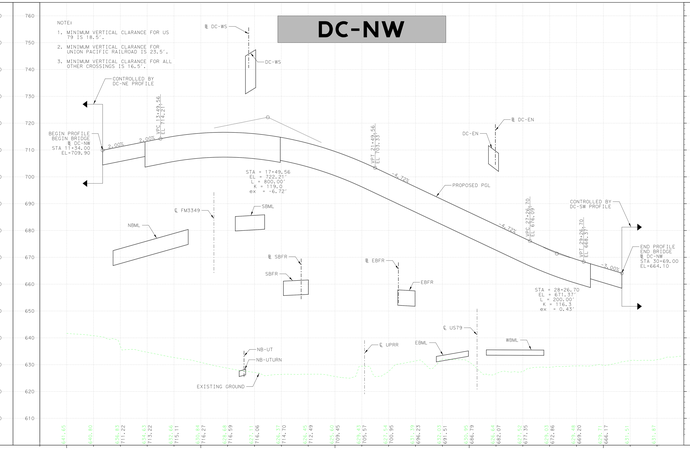

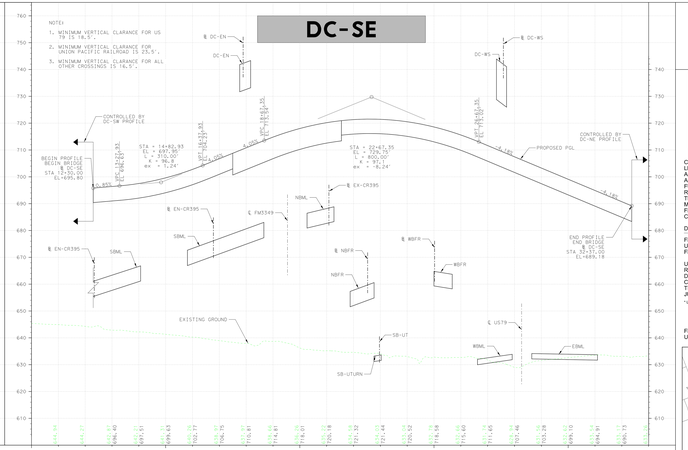

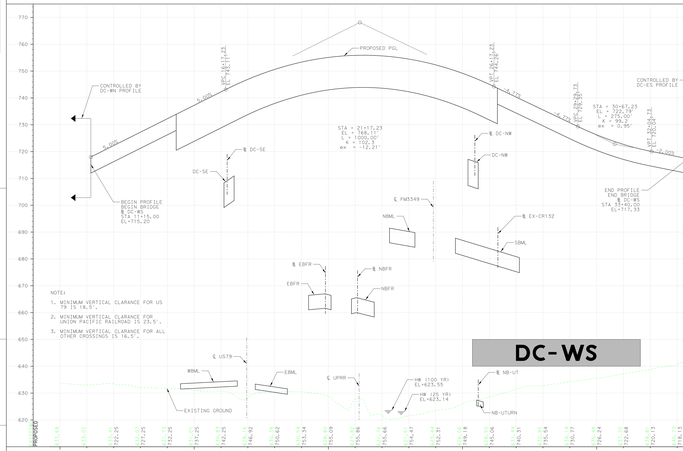

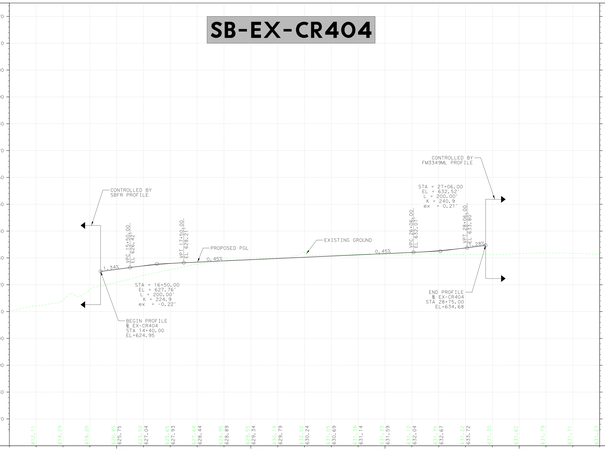

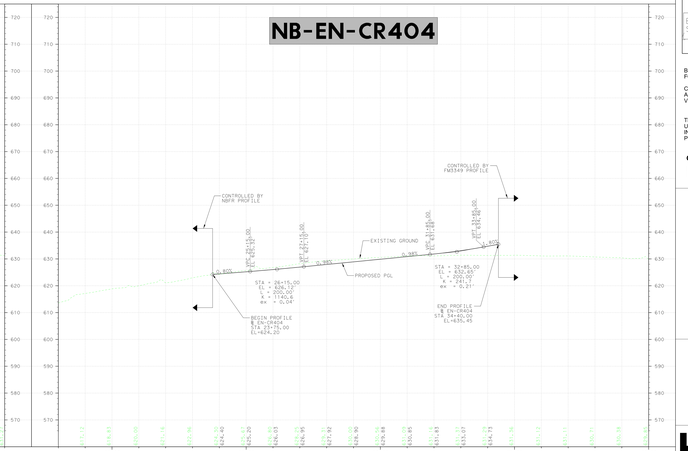

WILLIAMSON COUNTY
1848

WILLIAMSON COUNTY

PRELIMINARY DESIGN FOR:

FM 3349 at US 79

P322

PRECINCT #4

COUNTY: WILLIAMSON
LIMITS:FM 3349 FROM CR 404 TO NORTH OF CR 395
APPROX. LENGTH OF PROJECT = 3.58 MI
APPROX. LENGTH OF BRIDGE = 1.18 MI
FUNCTIONAL CLASSIFICATION = FREEWAY
FUNCTIONAL CLASSIFICATION = RURAL
TERRAIN = ROLLING
MAXIMUM SUPERELEVATION RATE (emax) = 6.0%
FM 3349 AND US 79: TxDOT ROM (APRIL 2018)
COUNTY ROADS: WILLIAMSON COUNTY DCM

DESIGN SPEED CRITERIA

FM 3349 MAINLANES:	70 MPH
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*LOW-SPEED DESIGN CRITERIA

	AADT		TRUCK PERCENTAGE
	2018	2040	
FM 3349	950	66200	6.7
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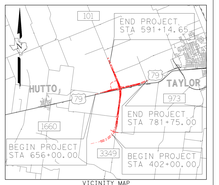

VICINITY MAP
NO TO SCALE

BEARING BASIS: NAD83, TEXAS STATE PLANE, CENTRAL ZONE, US FOOT.

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STATE OF TEXAS
FELIPE S. TUDTUD
104836
LICENSED
PROFESSIONAL ENGINEER

9/10/2020

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FM3349
PROFILES

HDR Engineering Inc.
Texas P.E. Firm Registration No. F-754

SHEET 15 OF 16

WILLIAMSON COUNTY
1848

WILLIAMSON COUNTY

PRELIMINARY DESIGN FOR:

FM 3349 at US 79

PS22

PRECINCT #4

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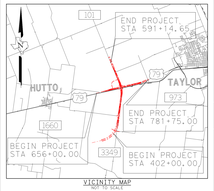

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TEXAS REGISTERED PROFESSIONAL ENGINEER 104836

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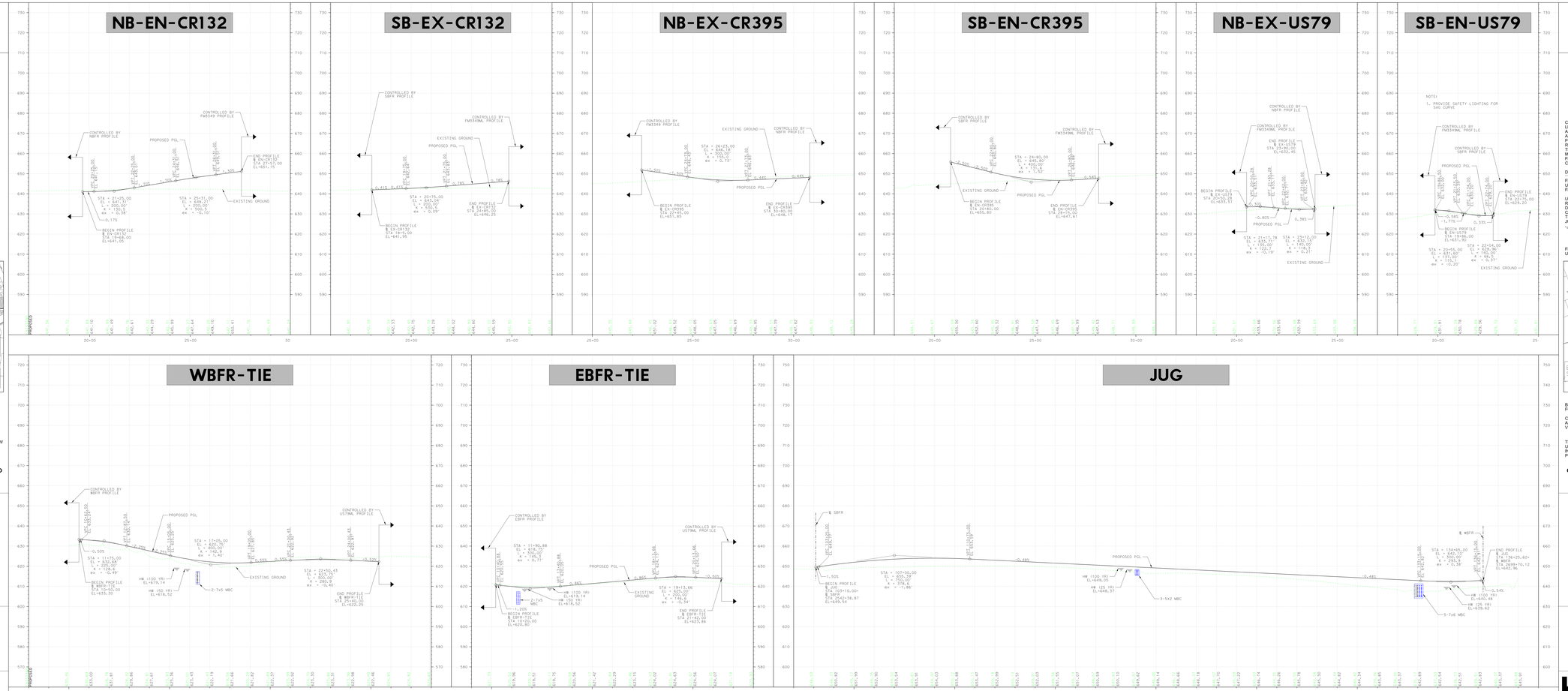

WILLIAMSON COUNTY
1848

WILLIAMSON COUNTY

PRELIMINARY DESIGN FOR:

FM 3349 at US 79

PS22

PRECINCT #4

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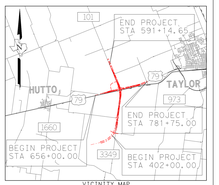

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TEXAS REGISTERED PROFESSIONAL ENGINEER 104836

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SHEET 16 OF 16

WILLIAMSON COUNTY
1848

WILLIAMSON COUNTY

PRELIMINARY DESIGN FOR:

FM 3349 at US 79

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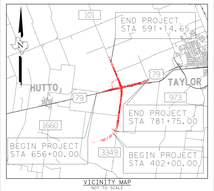

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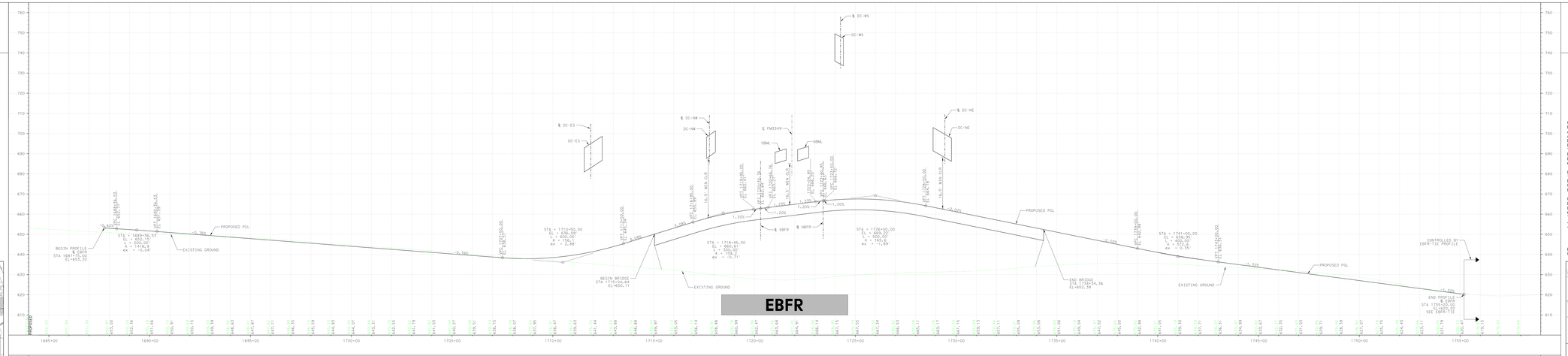
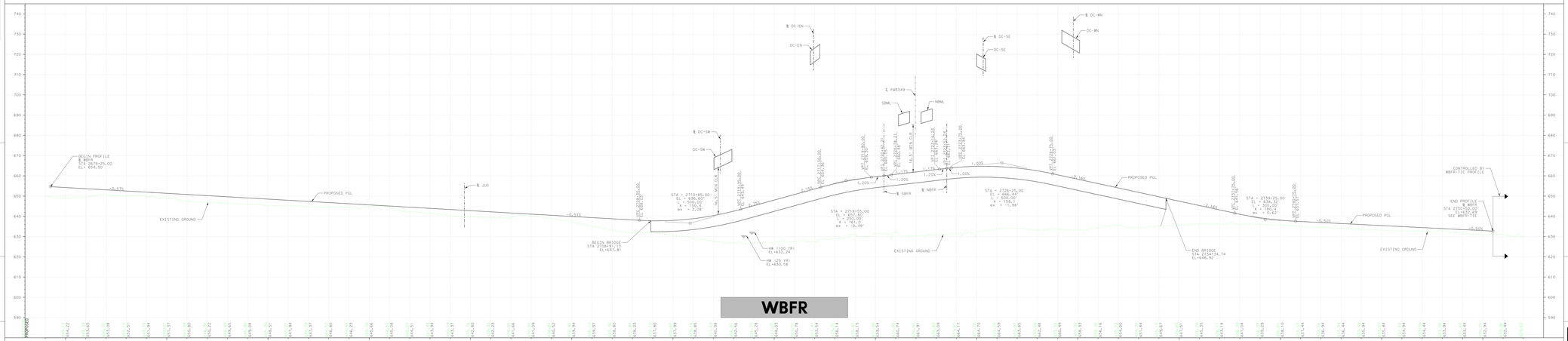
Texas P.E. Firm Registration No. F-754





WILLIAMSON COUNTY
1848

WILLIAMSON COUNTY

PRELIMINARY DESIGN FOR:

FM 3349 at US 79

P322

PRECINCT #4

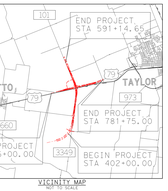
COUNTY: WILLIAMSON
LIMITS:FM 3349 FROM CR 404 TO NORTH OF CR 395
APPROX. LENGTH OF PROJECT = 3.58 MI
APPROX. LENGTH OF BRIDGE = 1.18 MI
FUNCTIONAL CLASSIFICATION = FREEWAY
AREA CLASSIFICATION = RURAL
TERRAIN = ROLLING
MAXIMUM SUPERELEVATION RATE (emax) = 6.0%
FM 3349 AND US 79: TxDOT RDM (APRIL 2018)
COUNTY ROADS: WILLIAMSON COUNTY DCM

DESIGN SPEED CRITERIA

FM 3349 MAINLANES:	70 MPH
US79 MAINLANES:	65 MPH
FM 3349 FRONTAGE ROAD:	45 MPH (INTERIM) 45 MPH (ULTIMATE)
US 79 FRONTAGE ROAD:	45 MPH
RAMPS:	55 MPH
DIRECT CONNECTORS:	55 MPH
COUNTY ROADS / CROSS STREETS:	45 MPH
TIE-INS:	40 MPH
JUG HANDLE * :	45 MPH

* LOW-SPEED DESIGN CRITERIA

	AADT		TRUCK PERCENTAGE
	2018	2040	
FM 3349	950	66200	6.7
US 79	18000	71000	17.2



VICINITY MAP
NOT TO SCALE

BEARING BASIS: NAD83, TEXAS STATE PLANE, CENTRAL ZONE, US FOOT.

COORDINATES FOR THIS PROJECT ARE SURFACE VALUES BASED ON A COMBINED SURFACE ADJUSTMENT FACTOR OF 1.00012352
VERTICAL DATUM: NAD83, NORTH AMERICA DATUM OF 1983

THIS DOCUMENT IS RELEASED FOR THE PURPOSE OF INTERIM REVIEW UNDER THE AUTHORITY OF FELIPE S. TUDTUD, P.E. 104836. IT IS NOT INTENDED TO BE USED FOR CONSTRUCTION, BIDDING, OR PERMIT PURPOSES.

0 100 200 300
H: 1"=100'

0 10 20 30
V: 1"=10'

STATE OF TEXAS
FELIPE S. TUDTUD
104836
LICENSED
PROFESSIONAL ENGINEER

9/10/2020

PRELIMINARY
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FM3349
US 79
PROFILES

HDR Engineering Inc.
Texas P.E. Firm Registration No. F-754