Texas Department of Transportation

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WACO DISTRICT

STANLEY SWIATEK, P.E.
DISTRICT ENGINEER

US 281 HAMILTON TRUCK/RELIEF ROUTE DESIGN SCHEMATIC

HAMILTON COUNTY

US 281

CSJ : 0251-01-064
FROM 1.25 MILES NORTH OF CR 203 (LEON RIVER)
TO 0.25 MILE SOUTH
PROJECT LENGTH 5.36 MILES

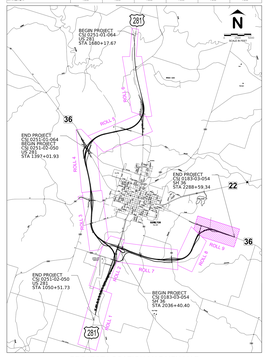
CSJ : 0251-02-050
FROM SH36 TO CR 504
PROJECT LENGTH 6.056 MILES

SH 36

CSJ : 0183-03-054
FROM US 281 TO SH 36
PROJECT LENGTH 4.78 MILES

ROADWAY TYPE	FUNCTIONAL CLASS	DESIGN SPEED
US 281 RELIEF ROUTE	RURAL FREEWAY	75 MPH
SH 36 RELIEF ROUTE	RURAL FREEWAY	75 MPH
US 281 MULTI PURPOSE LANES	PRINCIPAL ARTERIAL	70 MPH
SH 36 SPUR	PRINCIPAL ARTERIAL	70 MPH
DIRECT CONNECTORS	PRINCIPAL ARTERIAL	50 MPH
RAMPS	PRINCIPAL ARTERIAL	50 MPH*
*LOOP/EXIT	PRINCIPAL ARTERIAL	30 MPH
*LOOP/ENT	PRINCIPAL ARTERIAL	30 MPH
*BUS281SLOOP	PRINCIPAL ARTERIAL	30 MPH
CR 101	RURAL MINOR COLLECTOR	60 MPH
CR 102	RURAL MINOR COLLECTOR	50 MPH
CR 203	RURAL COLLECTOR	30 MPH
CR 401	RURAL COLLECTOR	30 MPH
PRIVATE DRIVE LANE	RURAL MINOR COLLECTOR	30 MPH
FRONTAGE ROAD	RURAL COLLECTOR	45 MPH
FM 218	RURAL MAJOR COLLECTOR	40 MPH
FM 932	RURAL MAJOR COLLECTOR	60 MPH
FM 1241	RURAL MINOR COLLECTOR	45 MPH
FM 2005	RURAL MAJOR COLLECTOR	30 MPH
FM 3302	RURAL MINOR COLLECTOR	40 MPH
LOCAL ROADS	LOCAL ROAD	25 MPH
BACKING ROADS	LOCAL ROAD	20 MPH

TRAFFIC VOLUMES BASED ON AMBIENT ORIGIN-DESTINATION STUDY FOR US 281 CORRIDOR (WHERE REQUIRED)	US 281 FROM SH 36 NORTH TO JCT SH 36 WEST	US 281 RELIEF ROUTE FROM JCT SH 36 WEST TO JCT SH 36 WEST	US 281 RELIEF ROUTE FROM JCT SH 36 WEST TO JCT SH 36 WEST	US 281 FROM SH 36 SOUTH TO PROJECT LIMITS	SH 36 RELIEF ROUTE FROM JCT SH 36 WEST TO JCT SH 36 EAST	SH 36 SPUR FROM JCT SH 36 WEST TO JCT SH 36 EAST
AADT	5,800 (7,800)	3,000 (4,200)	4,200 (5,700)	5,800 (7,800)	2,900 (3,900)	900 (1,300)
AADT(DHV) (PM PEAK HOUR)	N/A	N/A	N/A	N/A	1,050 (1,400)	N/A
DIRECTIONAL DISTRIBUTION	54%	54%	54%	54%	57%	54%
PERCENT TRUCKS OF ADT	19.0%	33.0%	42.0%	19.0%	19.0%	19.0%
K FACTOR	16.8	16.8	16.8	16.8	16.8	16.8



PROJECT LOCATION MAP/KEY MAP

INDEX OF ROLLS

ROLL 1 OF 11 PLAN & PROFILE US 281 - BEGIN OF PROJECT TO STA 1110+00
ROLL 2 OF 11 PLAN & PROFILE US 281 - STA 1110+00 TO STA 1210+00; SH 36 BEGIN OF PROJECT TO STA 2034+00
ROLL 3 OF 11 PLAN & PROFILE US 281 - STA 1210+00 TO STA 1318+00
ROLL 4 OF 11 PLAN & PROFILE US 281 - STA 1318+00 TO STA 1426+00
ROLL 5 OF 11 PLAN & PROFILE US 281 - STA 1426+00 TO STA 1525+00
ROLL 6 OF 11 PLAN & PROFILE US 281 - STA 1525+00 TO END OF PROJECT
ROLL 7 OF 11 PLAN & PROFILE SH 36 - STA 2034+00 TO STA 2150+00
ROLL 8 OF 11 PLAN & PROFILE SH 36 - STA 2150+00 TO STA 2219+00
ROLL 9 OF 11 PLAN & PROFILE SH 36 - STA 2218+00 TO END OF PROJECT
ROLL 10 OF 11 PROPOSED PROFILES
ROLL 11 OF 11 TRAFFIC DIAGRAM

Texas Department of Transportation
1-800-452-9292 TEXAS 811 (DIGGER HOTLINE)

FEBRUARY 12, 2026

NOT INTENDED FOR CONSTRUCTION, BIDDING, AND/OR PERMIT PURPOSES

CHAD HENDERSON, P.E.
TX PE LICENSE NO. 91723

Bartlett & West
TRUSTED TECHNICAL EXPERTISE

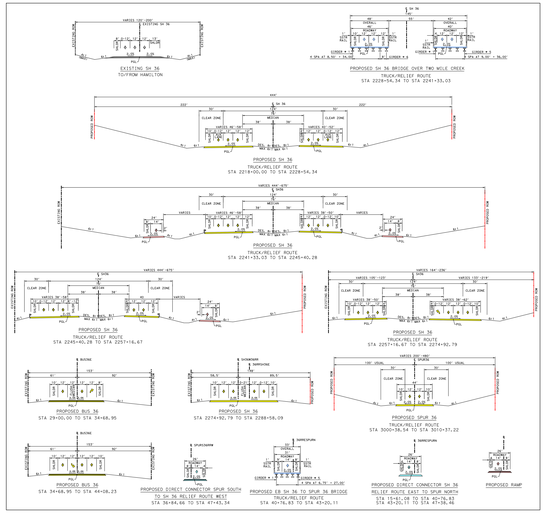
PRELIMINARY

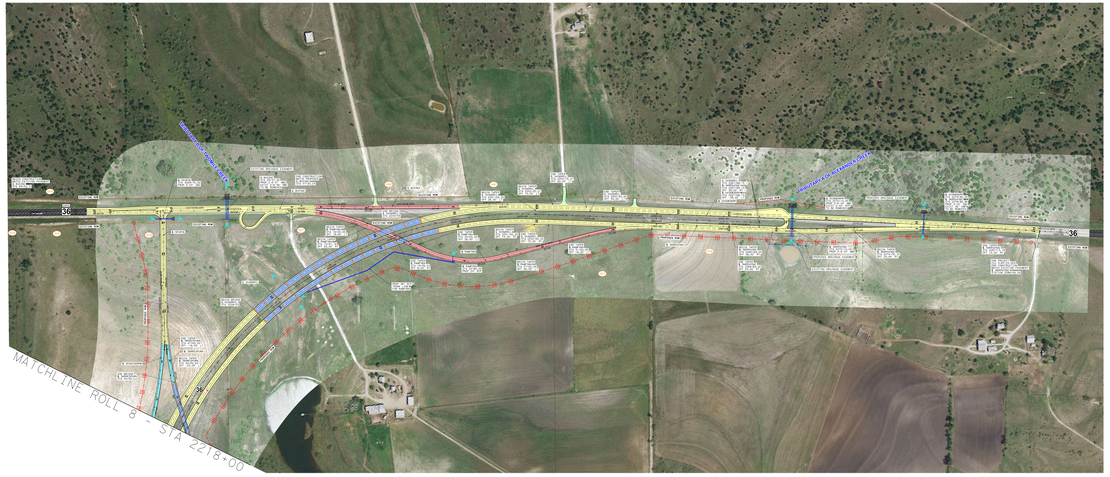
AVAILABLE INFORMATION ONLY. RECOMMENDED CONCEPTS AND SUBJECT TO CHANGE.

TIMOTHY M. SPISSETT, P.E.
TX PE LICENSE NO. 106439

LEGEND

- PROPERTY OWNERSHIP LABELS
- PROPOSED ALIGNMENT
- PROPOSED MAINLANES
- PROPOSED FRONTAGE ROADS
- PROPOSED INTERSECTING ROADWAYS
- PROPOSED RAMPS
- PROPOSED DIRECT CONNECTOR ROADWAYS
- PROPOSED SIDEWALKS
- PROPOSED BRIDGE
- EXISTING MAINLANES TO REMAIN
- EXISTING ROADWAYS TO BE REMOVED
- PROPOSED RETAINING WALL
- PROPERTY LINE (APPROXIMATE)
- EXISTING RIGHT-OF-WAY (R.O.W.)
- PROPOSED RIGHT-OF-WAY (R.O.W.)
- PROPOSED DENIAL-OF-ACCESS
- CITY/COUNTY LIMITS
- PROPOSED EASEMENTS
- EXISTING DRAINAGE
- STREAMS AND TRIBUTARIES
- EXISTING DRAINAGE STRUCTURES
- PROPOSED DRAINAGE STRUCTURES
- STREAM FLOW
- PROPOSED RIPRAP
- PROPOSED DIRECTION OF TRAFFIC
- EXISTING/FUTURE DIRECTION OF TRAFFIC
- EXISTING BUILDING OUTLINE
- VEGETATION
- POTENTIAL DISPLACEMENT
- CEMETERY
- EXISTING/FUTURE TRUCK PARKING SITE
- ABANDONED GAS/OIL WELL
- COURTHOUSE/NATIONAL REGISTRY PROPERTY
- PLACE OF WORSHIP
- MUSEUM
- HEALTH CARE
- FIRE STATION
- SCHOOL
- PARK
- POLICE STATION





GEOMETRIC DATA TABLE										
CHAIN NAME	CURVE NO.	DELTA	DEGREE	TANGENT	LENGTH	RADIUS MAINLANE	BACK BEARING	AHEAD BEARING	PI STATION	PC STATION / PT STATION
SH36RACL	3	87°59'15.76"	02°00'00.00"	2765.90'	4399.39'	2864.79'	N21°45'27.40"E	S70°15'16.84"E	2234+81.10	2206+96.10 / 2250+45.48
						RAMPS				
SPUR536RAW	2	12°13'07.45"	00°00'00.00"	306.63'	610.94'	2864.79'	N29°17'09.35"E	N17°04'01.90"E	23+29.88	20+23.25 / 26+34.19
RAMP36N	1	24°53'22.01"	03°45'00.00"	338.11'	665.50'	1527.89'	572°55'58.10"E	547°58'36.09"E	13+38.11	10+00.00 / 16+65.50
	2	39°00'01.09"	04°45'00.00"	300.39'	577.78'	848.83'	547°58'36.09"E	586°58'37.49"E	23+13.13	20+12.74 / 26+50.52
	3	16°43'20.60"	05°30'00.00"	240.60'	477.79'	1637.52'	586°58'37.49"E	570°15'16.84"E	35+44.32	33+23.72 / 38+02.50
SH36W36RR	1	00°58'04.34"	00°15'00.00"	193.58'	387.15'	22918.31'	570°15'16.84"E	568°17'12.50"E	22+74+78.53	22+72+84.974 / 22+76+72.12
SH36RESPURN	4	15°24'59.72"	02°00'00.00"	387.76'	770.83'	2864.79'	N01°39'02.18"E	N17°04'01.90"E	46+71.05	42+83.29 / 50+54.12
36RSH36E	1	03°41'38.88"	02°00'00.00"	92.39'	184.71'	2864.79'	S70°15'16.84"E	S73°56'55.70"E	2271+02.83	2270+10.44 / 2271+95.15
	2	04°39'41.50"	00°12'53.79"	638.09'	1277.47'	15700.00'	S73°56'55.70"E	S68°17'12.50"E	2281+17.14	2274+79.05 / 2287+55.53
BUS36E	1	10°53'12.48"	01°25'56.62"	383.52'	764.70'	4000.00'	S61°38'45.62"E	S72°55'58.10"E	19+25.61	15+42.10 / 23+06.79
BUS36X	1	01°21'12.93"	00°30'00.00"	142.03'	284.05'	11459.16'	S72°55'58.10"E	S74°21'11.01"E	22+76.40	21+34.37 / 24+18.42
BUS36X	1	02°10'01.11"	01°00'00.00"	108.36'	216.70'	5729.58'	S72°55'58.10"E	S70°45'56.99"E	11+08.36	10+00.00 / 12+16.70
	2	02°10'01.11"	01°00'00.00"	108.36'	216.70'	5729.58'	S70°45'56.99"E	S72°55'58.10"E	14+25.70	13+17.334 / 15+34.03
	3	02°10'12.51"	01°00'00.00"	142.03'	284.05'	11459.16'	S72°55'58.10"E	S74°21'11.01"E	21+64.76	20+22.73 / 23+06.78

SUPERELEVATION TABLE			
CHAIN NAME	STATION	WESTBOUND CROSS SLOPE LT	WESTBOUND CROSS SLOPE RT
SH36RRCL	2250+85.00	-6.00%	-6.00%
	2252+85.00	-2.00%	-2.00%

SUPERELEVATION TABLE			
CHAIN NAME	STATION	EASTBOUND CROSS SLOPE LT	EASTBOUND CROSS SLOPE RT
SH36RRCL	2250+85.00	-6.00%	-6.00%
	2252+85.00	-2.00%	-2.00%

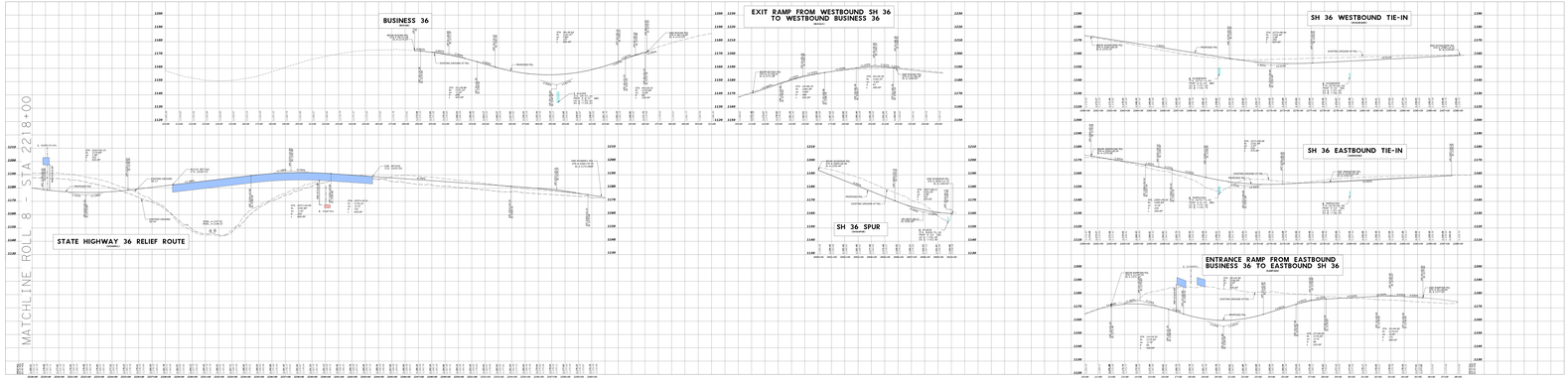
SUPERELEVATION TABLE			
CHAIN NAME	STATION	CROSS SLOPE LT	CROSS SLOPE RT
SH36W36E	2206+85.00	-2.00%	-2.00%
	2208+85.00	-6.00%	-6.00%
	2270+85.00	-6.00%	-6.00%
	2274+85.00	-2.00%	-2.00%
SPUR536RRW	19+85.14	-2.00%	2.00%
	21+85.14	-6.00%	6.00%
	24+85.14	-6.00%	6.00%
	26+85.14	-2.00%	2.00%
BUS36X	20+85.00	-2.00%	2.00%
	22+85.47	-6.00%	-6.00%

SUPERELEVATION TABLE			
CHAIN NAME	STATION	CROSS SLOPE LT	CROSS SLOPE RT
RAMP36N	10+00.00	-6.00%	-6.00%
	12+00.00	-2.00%	-2.00%
	14+50.00	-6.80%	-6.80%
	17+00.00	-2.00%	-2.00%
	18+69.52	-2.00%	-2.00%
	19+85.00	-2.00%	-2.00%
	21+50.00	-6.00%	6.00%
	23+13.13	-6.00%	6.00%
	26+50.52	-2.00%	-2.00%
	30+08.82	-2.00%	-2.00%
	32+90.00	-2.00%	-2.00%
	33+80.00	5.00%	-5.00%
	36+50.00	5.00%	-5.00%
	38+40.50	-2.00%	-2.00%
36RRESPURN	42+45.00	-2.00%	-2.00%
	42+95.00	5.40%	-5.40%
	47+45.00	5.80%	-5.80%
	47+85.00	-2.00%	-2.00%

PROPERTY OWNERSHIP TABLE	
PARCEL NO.	OWNER
2074	BRONSTAD G W
2075	BOTTLINGER CHARLIE
2076	BOTTLINGER CHARLIE
2077	WRIGHT BOBBY & BECKY MARCHMAN
2078	ALEXANDER CREEK RANCH LTD
2079	WR LAND AND CATTLE LLC
2080	WR LAND AND CATTLE LLC
1081	ENSOR BONNIE & SUZANNE CHRISTENSON REVOCABLE TRUST

GENERAL NOTES

1. DEPICTION OF BRIDGE STRUCTURES ARE PRELIMINARY. FINAL CONFIGURATION, STRUCTURE DEPTH AND CLEARANCES TO BE DETERMINED IN FINAL DESIGN DRAWINGS.
2. FINAL RESTORATION/LOCATION OF DRIVEWAYS TO BE DETERMINED IN FINAL DESIGN DRAWINGS.
3. PGL INDICATES PROFILE GRADE LINE.
4. AERIAL SURVEYS PERFORMED MAY 15, 2022 ALONG US 281, FROM KOVAR TO EVANT, AND MAY 04, 2024 ALONG US 281 RELIEF ROUTE.
5. EX=EXISTING, PROP=PROPOSED



Texas Department of Transportation

COUNTY : HAMILTON
DATE : 2/12/2026

ROLL 9 OF 11

US 281/SH 36 HAMILTON TRUCK/RELIEF ROUTE PROJECT

Bartlett & West