TEXAS DEPARTMENT OF TRANSPORTATION
DRAFT DESIGN SCHEMATIC
WILLIAMSON COUNTY

TUCKER FERGUSON,P.E. - AUSTIN DISTRICT ENGINEER
FEDERAL AID PROJECT NUMBER

CSJ: 0080-13-055

US 79

RECONSTRUCT ROADWAY, BRIDGES AND INTERSECTION.

SCHEMATIC LIMITS

FROM IH 35 TO EAST OF FM 1460 (AW GRIMES)
FROM STA 96+19.00 TO STA 229+30.00

NET LENGTH OF PROJECT: 13,311 FT = 2.52 MI

ROADWAY
13,824 FT = 2.59 MI
BRIDGE EFFECTIVE
-513 FT = -0.02 MI
BRIDGE PROPOSED
-565.00 FT = 0.11 MI

ROADWAY	FUNCTIONAL CLASSIFICATION	DESIGN SPEED
US 79	URBAN PRINCIPAL ARTERIAL	45 MPH
FRONTAGE ROADS	MAJOR COLLECTOR	40 MPH
SP 379 (N MAYS ST)	MINOR ARTERIAL	40 MPH
HERITAGE CENTER CIRCLE	LOCAL STREET	25 MPH
EGGER AVENUE	MINOR COLLECTOR	30 MPH
MEADOW LAKE STREET	MINOR COLLECTOR	30 MPH
SUNRISE ROAD	MAJOR COLLECTOR	35 MPH
PROVIDENT LANE	LOCAL STREET	25 MPH
FM 1460 (AW GRIMES BLVD)	URBAN PRINCIPAL ARTERIAL (SOUTH) / URBAN MINOR ARTERIAL (NORTH)	45 MPH
DISPLACE LEFT TURN		35 MPH

MAXIMUM SUPERELEVATION RATE (emax) = 6%
TERRAIN=ROLLING

TRAFFIC DATA
ADT(20__) = ####,###
ADT(40__) = ####,###

PRELIMINARY FOR DESIGN SCHEMATIC
IH 35 TO FM 1460 (AW GRIMES)

STA 165+00.00 TO END

SHEET 1 OF 2



BEARING BASIS: NAD83, TEXAS STATE PLANE, CENTRAL ZONE, US SURVEY FEET

COORDINATES FOR THIS PROJECT ARE SURFACE VALUES BASED ON A COMBINED SCALE FACTOR OF 1.00013 AND ARE BASED ON VERTICAL DATUM NAVD88, NORTH AMERICA DATUM OF 1983

DESIGN STANDARDS USED
TXDOT ROADWAY DESIGN MANUAL: 2024
TXDOT HYDRAULIC DESIGN MANUAL: 2019
TRB HIGHWAY CAPACITY MANUAL: 2022
TEXAS MANUAL OF UNIFORM CONTROL DEVICES: 2012

0 100 200 300
H: 1"=100'

PRELIMINARY
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NOT A BIDDING DOCUMENT	APPROVED FOR APPROVAL FOR ENVIRONMENTAL PROJECT DEVELOPMENT
DATE	RECOMMENDED BY: ____ RECOMMENDED BY: ____
SIGNED	
DESIGNER'S SIGNATURE AND SEAL	DISTRICT DESIGN ENGINEER
RECOMMENDED BY: ____	APPROVED BY: ____
PROJECT MANAGER	
AREA ENGINEER	DIRECTOR, TRANSPORTATION PLANNING & DEVELOPMENT

DIST	COUNTY	CONTROL	SECTION	JOB	HIGHWAY NO.
AUS	WILLIAMSON	0080	13	055	US 79

LEGEND:

- PROPOSED CENTERLINE/BASELINE
- PROPOSED ROW
- EXISTING ROW FROM APD
- EXISTING ROW FROM COS
- EXISTING LINE (WILLIAMSON CENTRAL / WILLIAMSON COUNTY)
- PROPOSED EDGE OF PAVEMENT
- PROPOSED SAWCUT LINE
- PROPOSED ROADWAY
- PROPOSED MILL AND OVERLAY
- PROPOSED BRIDGE
- PROPOSED CONC RIPRAP
- EXISTING BRIDGE LIMITS
- PROPOSED SHARED USE PATH
- PROPOSED SIDEWALK
- PROPOSED DRIVEWAYS
- ADJACENT PROJECT BY OTHERS
- 500YR FLOODPLAIN
- 100YR FLOODPLAIN
- REGULAR FLOODWAY
- STREAM
- PROPOSED ACCESS DENIAL

MATCHLINE A-A

US 79 WB
US 79 EB
SUNRISE RD
PROVIDENT LN
TRANSITION ZONE
AW GRIMES BLVD
PALM VALLEY CV
BRUSHY CREEK
CITY OF ROUND ROCK
MESA RIDGE APARTMENTS
MESA RIDGE CENTER
SUNRISE SHOPPING CENTER
BAYLOR SCOTT & WHITE URGENT CARE
LUCKZONE
TACO BELL
DOUBLE R TOWING
OWNER MART
EXXON
T MASSAGE
SMOKE SHOP
SMOKEY'S PAWN
HOOKAH LOUNGE
LOS MARISCOS EL QUE
ROUND ROCK SELF STORAGE
STORAGEMART ROUND ROCK SELF STORAGE
ST. RICHARD'S EPISCOPAL CHURCH
MERRITT PLANTATION
CITY OF ROUND ROCK
PANDA EXPRESS
REAL FUELS
VALERO
H&T LEVELS PARKING
LEONE STAR KOLACHES / LA MEXICOCINA
TEXAS TIRES ROUND ROCK
THE WASH
JACK IN THE BOX
VAN HOUTEN & ASSOCIATES INC
ROCKING HORSE RANCH APARTMENTS
THE CREEK 5 APARTMENTS
SEATTLE DENTAL
BOARDS & BRICKS DELUXE WALLS WING STOP
PIZZA DELIGHT SUBWAY
CELLFLY?
PIZZAL
TANGLED FET HOSPITAL
MASTER VARIUS WORLD CLASS TAE KWON DO
MILANO RISTORANTE
H-E-B
TWIN LIQUORS
COTTON PATCH CAFE
ANDY'S FROZEN CUSTARD
BANK OF AMERICA
MICHAELS
OUTBACK STEAKHOUSE
ICONIC DRIVE IN
WELLS FARGO BANK
TACO BELL
THE PALMER APARTMENT HOMES
7 BREW COFFEE
BANK ONE
TORCHY'S TACOS
GREAT CLIPS
HOTWORX
ROUND ROCK TIRE & AUTOCARE
TOTAL MEDICAL PRIMARY CARE
MOBILE BLUEPRINT
CINC VISCO MATTRESS OUTLET
SHOPS @ PALM VALLEY
ECO-SHAVA CARE SHACK AT&T, T-MOBILE KING
PATTERSON COMPLETE AUTO CARE
CULVERT FILL
BRIDGE FILL
PROVIDENCE ROCK
BRAKE AND TIRE CHICK
PUBLIC STORAGE
NEW CONSTRUCTION
ROSA'S CAFE & TORTILLA FACTORY
RIVERSIDE CROSSTOWN
ALL PHYSICIANS EMERGENCY ROOM - ROUND ROCK
CORNERSTONE AUDIOLOGY
MORNING EXPRESS