ROLL 1 OF 3

SH-71 AT SH 130 TO ROSS RD

CSJ:0265-02-036

SCHEMATIC PLAN & PROFILE LAYOUT

LEGEND

- SH 71 - PROPOSED ROADWAY
- SHARED USED PATH (SUP)
- PROPOSED CURB
- PROPOSED RAIL
- PROPOSED ACCESS CONTROL
- PROPERTY LINE
- PROPOSED TRAFFIC FLOW
- PROPOSED PAVEMENT
- PERMANENT PAVEMENT
- TEMPORARY PAVEMENT IN CONSTRUCTION
- PROPOSED CONSTRUCTED PAVEMENT
- AGREGATE
- RETAINING WALL
- UTILITY ELECTRICAL INFORMATION / FIBER OPTIC
- UTILITY ELECTRIC
- UTILITY SANITARY SEWER
- UTILITY WATER

TRAVIS COUNTY
CITY OF DEL VALLE
AUSTIN DISTRICT

CSJ:0265-02-036

SH 71 AT ROSS-KELLAM

AUSTIN DISTRICT ENGINEER
TERRY MCCOY, P.E.

SCHEMATIC DESIGN FOR NEW OVERPASSES OF SH 71 AT ROSS RD AND KELLAM RD

CSJ#: 0265-02-036
BEGIN: 0+00 AT 361.136 WB
END: 1+00 AT 361.136 WB

MAINLANE LENGTH: 0.76 MI
RAMP LENGTH: 0.00 MI

TOTAL LENGTH: 0.46 MI

FUNCTIONAL CLASS
URBAN FREWAY

DESIGN SPEED
MAINLANES: 50 MPH
SURFACE ROADS: 50 MPH
RAMPS: 50 MPH
CROSS STREETS: 30 MPH
W AND Y = 6C

TRAFFIC DATA

LOCATION	TRAFFIC VOLUME (VPD)	DIRECTIONAL SPLIT	PERCENT TRUCKS (%)
SH 71 MAINLANES	55,700	55.5%	5.1%
SH 71 SUPERSTREET	55,700	55.5%	5.1%
SH 130 TO KELLAM RD	56,800	65.1%	7.4%
SH 130 TO ROSS RD	55,400	65.6%	7.6%

LOCATION MAP

BRIDGEFARMER & ASSOCIATES, INC.
TBPE REGISTRATION F-439

JUNE 30, 2017

NOT INTENDED FOR CONSTRUCTION, BIDDING, OR PERMIT PURPOSES

JAMES M. LANGSTON, P.E. 73891

MAINLANE
PLAN & PROFILE

ROLL 1 OF 3

PAVEMENT LEGEND

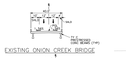
1. 2" ASPHALT TY D
2. 4" ASPHALT TY B
3. 3" ASPHALT TY B
4. 6" FLEX BASE
5. 6" STABILIZED SUBGRADE

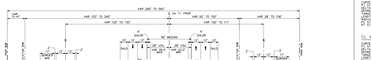
1. 1" PFC UNDERSEAL
2. 2" ASPHALT TY D
3. 4" ASPHALT TY B
PRIME COAT
9" FLEX BASE

COORDINATES AND DISTANCES ARE IN US SURVEY FEET, DISPLAYED IN SURFACE VALUES UTILIZING A SURFACE ADJUSTMENT FACTOR OF 1.00017.

HORIZONTAL CONTROL IS BASED ON THE TEXAS STATE PLANE COORDINATE SYSTEM, NAD 83/2011 (), CENTRAL ZONE (4203).

ELEVATIONS ARE BASED ON GPS DERIVED ELLIPSOID HEIGHTS AND ADJUSTED TO NAVD 88 ELEVATIONS UTILIZING GEOID 12A.





BL WB MAINLANE CURVE DATA

CURVE PROPERTIES
CURVE NO. 1
DELTA = 0° 17' 19.00" (RT)
DEGREE OF CURVE = 0° 00' 00"
TANG = 0.00 (M)
LENGTH = 0.00 (M)
RADIUS = 19,000.00
** NOTE: DESIGNED TO MATCH EXIST

BL EB MAINLANE CURVE DATA

CURVE PROPERTIES
CURVE NO. 1
DELTA = 0° 17' 19.00" (RT)
DEGREE OF CURVE = 0° 00' 00"
TANGENT = 0.00 (M)
LENGTH = 0.00 (M)
RADIUS = 19,000.00
** NOTE: DESIGNED TO MATCH EXIST

CL MAINLANE CURVE DATA

CURVE PROPERTIES
CURVE NO. 1
DELTA = 0° 17' 19.00" (RT)
DEGREE OF CURVE = 0° 00' 00"
TANGENT = 0.00 (M)
LENGTH = 0.00 (M)
RADIUS = 19,000.00
** NOTE: DESIGNED TO MATCH EXIST

EBFR CURVE DATA

CURVE PROPERTIES
CURVE NO. 1
DELTA = 0° 17' 19.00" (RT)
DEGREE OF CURVE = 0° 00' 00"
TANGENT = 0.00 (M)
LENGTH = 0.00 (M)
RADIUS = 19,000.00
** NOTE: DESIGNED TO MATCH EXIST

CURVE PROPERTIES
CURVE NO. 1
DELTA = 0° 17' 19.00" (RT)
DEGREE OF CURVE = 0° 00' 00"
TANGENT = 0.00 (M)
LENGTH = 0.00 (M)
RADIUS = 19,000.00
** NOTE: DESIGNED TO MATCH EXIST

CURVE PROPERTIES
CURVE NO. 1
DELTA = 0° 17' 19.00" (RT)
DEGREE OF CURVE = 0° 00' 00"
TANGENT = 0.00 (M)
LENGTH = 0.00 (M)
RADIUS = 19,000.00
** NOTE: DESIGNED TO MATCH EXIST

WBFR CURVE DATA

CURVE PROPERTIES
CURVE NO. 1
DELTA = 0° 17' 19.00" (RT)
DEGREE OF CURVE = 0° 00' 00"
TANGENT = 0.00 (M)
LENGTH = 0.00 (M)
RADIUS = 19,000.00
** NOTE: DESIGNED TO MATCH EXIST

CURVE PROPERTIES
CURVE NO. 1
DELTA = 0° 17' 19.00" (RT)
DEGREE OF CURVE = 0° 00' 00"
TANGENT = 0.00 (M)
LENGTH = 0.00 (M)
RADIUS = 19,000.00
** NOTE: DESIGNED TO MATCH EXIST

CURVE PROPERTIES
CURVE NO. 1
DELTA = 0° 17' 19.00" (RT)
DEGREE OF CURVE = 0° 00' 00"
TANGENT = 0.00 (M)
LENGTH = 0.00 (M)
RADIUS = 19,000.00
** NOTE: DESIGNED TO MATCH EXIST

RAMP AA CURVE DATA

CURVE PROPERTIES
CURVE NO. 1
DELTA = 0° 17' 19.00" (RT)
DEGREE OF CURVE = 0° 00' 00"
TANGENT = 0.00 (M)
LENGTH = 0.00 (M)
RADIUS = 19,000.00
** NOTE: DESIGNED TO MATCH EXIST

RAMP AB CURVE DATA

CURVE PROPERTIES
CURVE NO. 1
DELTA = 0° 17' 19.00" (RT)
DEGREE OF CURVE = 0° 00' 00"
TANGENT = 0.00 (M)
LENGTH = 0.00 (M)
RADIUS = 19,000.00
** NOTE: DESIGNED TO MATCH EXIST

RAMP AC CURVE DATA

CURVE PROPERTIES
CURVE NO. 1
DELTA = 0° 17' 19.00" (RT)
DEGREE OF CURVE = 0° 00' 00"
TANGENT = 0.00 (M)
LENGTH = 0.00 (M)
RADIUS = 19,000.00
** NOTE: DESIGNED TO MATCH EXIST

RAMP AD CURVE DATA

CURVE PROPERTIES
CURVE NO. 1
DELTA = 0° 17' 19.00" (RT)
DEGREE OF CURVE = 0° 00' 00"
TANGENT = 0.00 (M)
LENGTH = 0.00 (M)
RADIUS = 19,000.00
** NOTE: DESIGNED TO MATCH EXIST

ROSS STREET

CURVE NO. 1
DELTA = 0° 17' 19.00" (RT)
DEGREE OF CURVE = 0° 00' 00"
TANGENT = 0.00 (M)
LENGTH = 0.00 (M)
RADIUS = 19,000.00
** NOTE: DESIGNED TO MATCH EXIST

KELLAM STREET

CURVE NO. 1
DELTA = 0° 17' 19.00" (RT)
DEGREE OF CURVE = 0° 00' 00"
TANGENT = 0.00 (M)
LENGTH = 0.00 (M)
RADIUS = 19,000.00
** NOTE: DESIGNED TO MATCH EXIST

STORAGE DRIVEWAY

CURVE NO. 1
DELTA = 0° 17' 19.00" (RT)
DEGREE OF CURVE = 0° 00' 00"
TANGENT = 0.00 (M)
LENGTH = 0.00 (M)
RADIUS = 19,000.00
** NOTE: DESIGNED TO MATCH EXIST

CURVE NO. 1
DELTA = 0° 17' 19.00" (RT)
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CURVE NO. 1
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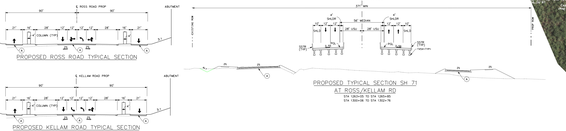

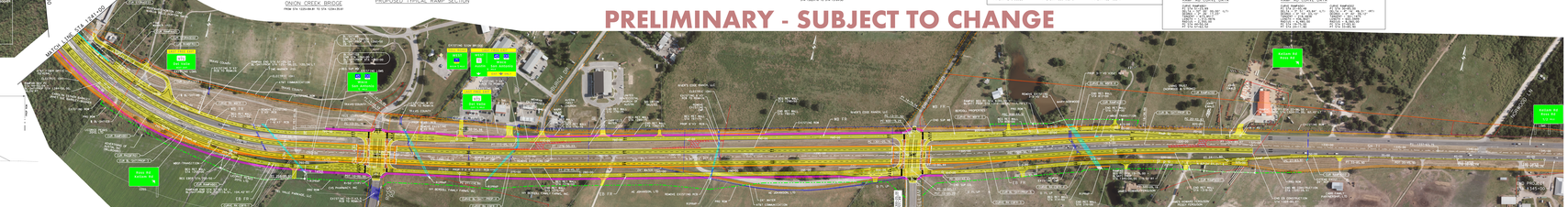

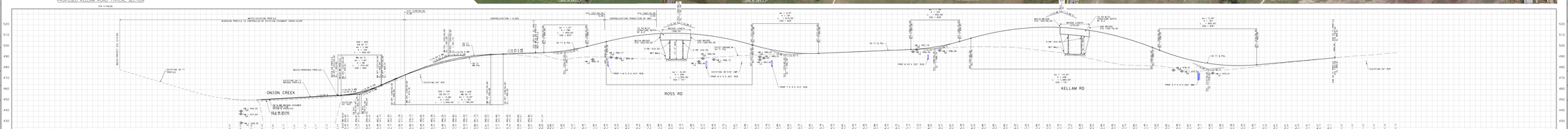

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MAINLANE
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ROLL 1 OF 3