ROLL 1 OF 3

CSJ: 0265-03-041

SH-71 AT FM 1209

SCHEMATIC PLAN & PROFILE LAYOUT

LEGEND

🟨	SH 71 PROPOSED ROADWAY	▨	RIPRAP
🟪	SHARED USED PATH (SUP)	—	RETAINING WALL
— - —	EXISTING ROW	—	UTILITY COMMUNICATION/FIBER OPTIC
— - —	PROPOSED ROW	—	UTILITY ELECTRIC
━━	PROPOSED ACCESS DENIAL	—	UTILITY SANITARY SEWER
━━	PROPERTY LINE	—	UTILITY WATER
↔	PROPOSED TRAFFIC FLOW	☐	POTENTIAL RESIDENTIAL DISPLACEMENT
▨	PAVEMENT REMOVAL	■	POTENTIAL NON-RESIDENTIAL DISPLACEMENT

BASTROP COUNTY
AUSTIN DISTRICT

Texas Department of Transportation
©2019

CSJ: 0265-03-041

SH 71 AT
FM 1209

AUSTIN DISTRICT ENGINEER
TERRY McCOY, P.E.

PUBLIC HEARING EXHIBIT SCHEMATIC DESIGN FOR NEW OVERPASS OF SH 71 AT FM 1209

FROM: CR 206 (COLORADO CIR)
TO: SH 21

ROADWAY LENGTH: 2.09 MI
BRIDGE LENGTH: 0.09 MI
TRANSITIONS: 0.32 MI

TOTAL LENGTH: 2.50 MI

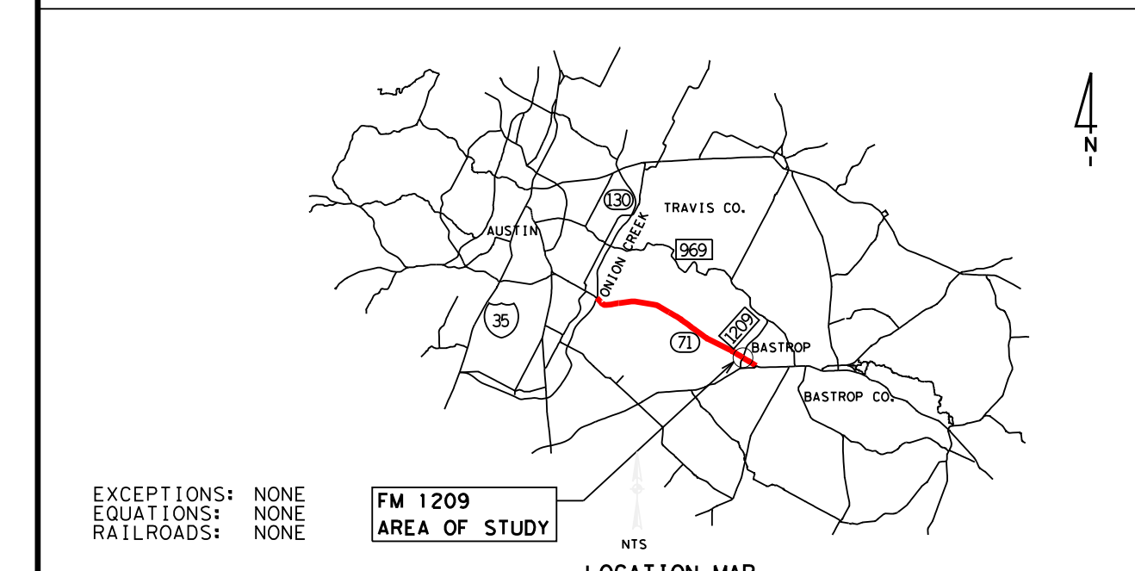
FUNCTIONAL CLASS/ROADWAY CLASSIFICATION
PRINCIPAL ARTERIAL/URBAN FREEWAY

DESIGN SPEED

MAINLANES:	60 MPH
FRONTAGE ROADS:	45 MPH
RAMPS:	50 MPH
CROSS STREETS:	30 MPH
FM 1209 LOCAL URBAN STREET:	45 MPH

e MAX = 6%

TRAFFIC DATA			
LOCATION	AVERAGE DAILY TRAFFIC (ADT)		PERCENT TRUCKS (ADT)
	2014	2040	BASE YEAR
KELLAM RD TO SH 21	34,600	48,700	9.5%



AUSTIN
TRAVIS CO.
130
969
35
71
1209
BASTROP
BASTROP CO.
N
NTS

EXCEPTIONS: NONE
EQUATIONS: NONE
RAILROADS: NONE

FM 1209
AREA OF STUDY

LOCATION MAP

BRIDGEFARMER & ASSOCIATES, INC.
CONSULTING ENGINEERS
TBPE REGISTRATION NO. 264

COORDINATES AND DISTANCES ARE IN US SURVEY FEET, DISPLAYED IN SURFACE VALUES UTILIZING A SURFACE ADJUSTMENT FACTOR OF 1.00012.

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 12B.

SH 71 MAINLANE
PLAN & PROFILE
PUBLIC HEARING

ROLL 1 OF 3

0 50' 100' 200'
COLORADO CR
RIVER OAKS DR
UNION CHAPEL RD
BLUE FLAME RD
FM 1209
STEPHEN F. AUSTIN BLVD.
SH 21
BENNY'S TEXAS BBQ
TCS (TEXAS CRITICAL SYSTEMS)
TOWN AND COUNTRY BARBER SHOP
DOLLAR GENERAL
JOHNSON'S PET & KENNEL SUPPLY
PHILLIPS 66
WYLDWOOD BAPTIST CHURCH
TREASURE CHEST STORAGE
U-HAUL
SAMES DODGE JEEP
JIMS MOTOR WORKS
FIDEL'S HWY 71 AUTO SALVAGE
REVS MOTORCYCLE SHOP
CHINESE DRAGON
RED LINE AUTO SALES
BRIT TEX PLASTERING AND BRICK PAVING
TEXAS TRACTOR COUNTRY
THE HOME SOURCE
SAC-N-PAC
BASTROP METAL RECYCLING
CORNER STORE VALERO
SONIC DRIVE-IN
SUNSHIELD
MUELLER
BASTROP COMPUTERS
TWIN LIQUORS
BASTROP STONE & MATERIALS SUPPLY
STURDI-BILT BUILDINGS
EL JALISCOS
SHADY OAKS RV PARK
WYLDWOOD RV PARK
STEAKHOUSE
TEXAS ONE STAR REALTY
FITTIES BBQ
AMAZING FLOORS LP
SHELL
STORAGE R.V. AND BOATS
COMMERCIAL
RAMP DA
RAMP DC
RAMP DD
RAMP DF
1610+00
1615+00
1620+00
1625+00
1630+00
1635+00
1640+00
1645+00
1650+00
1655+00
1660+00
1665+00
1670+00
1675+00
1680+00
1685+00
1690+00
1695+00
1700+00
1705+00
1710+00
1715+00
1720+00
SH 71 ℄ PGL
EXIST GROUND @ ℄
EXIST 6x3 RCB
EXIST 24IN RCP
EXIST 36IN RCP
EXIST 4'X2' RCB
PROP 2-5'X2' RCB
EXIST 30IN RCP
EXIST 2-5'X4' RCB
PROP 3-9'X5' RCB
BEGIN BRIDGE STA 1660+80.00
END BRIDGE STA 1664+11.00
TX40 (BOTH ENDS) WITH STRUCTURE DEPTH OF 4.5'
TX54 WITH STRUCTURE DEPTH OF 5.5'
RET WALL
17'-3" MIN
BEGIN BRIDGE STA 1691+60.00
END BRIDGE STA 1693+00.00
HW=437.10
HW=436.38
90
SSD = 1158'
ex = -0.37'
K = 264
L = 280.00'
SSD = 634'
ex = 0.97'
K = 186
L = 380.00'
SSD = 590'
ex = 0.31'
K = 162
L = 200.00'
SSD = 719'
ex = 1.88'
K = 240
L = 600.00'
SSD = 620'
ex = -1.49'
K = 163
L = 440.00'
SSD = 590'
ex = 2.34'
K = 162
L = 550.00'
SSD = 642'
ex = -7.22'
K = 191
L = 1,050.00'
SSD = 590'
ex = 1.09'
K = 141
L = 350.00'
SSD = 543'
ex = 1.25'
K = 136
L = 370.00'
SSD = 654'
ex = -1.06'
K = 161
L = 370.00'
SSD = 657'
ex = 0.64'
K = 200
L = 320.00'
SSD = 1179'
ex = -0.25'
K = 200
L = 200.00'
(WB SH71)
SSD = 919'
ex = 0.39'
K = 391
L = 350.00'
(EB SH71)
SSD = 826'
ex = 0.25'
K = 164
L = 180.00'
(-)1.220 %
(-)2.280 %
(-)1.478 %
(-)0.242 %
(+)0.800 %
(-)1.900 %
(+)1.500 %
(-)4.000 %
(-)1.513 %
(+)1.200 %
(-)1.100 %
(+)0.500 %
(-)0.500 %
(+)0.600 %
(+)0.395 %
SH71 MAINLANE PROFILE
WB PROP EXIST
EB PROP EXIST

PAVEMENT LEGEND

2" ASPHALT TY D	1" PFC UNDERSEAL
4" ASPHALT TY B	1.5" ASPHALT TY D
3" ASPHALT TY B	8" ASPHALT TY B
PRIME COAT	PRIME COAT
6" FLEX BASE	9" FLEX BASE
6" STABILIZED SUBGRADE	

LEGEND

🟨	SH 71 PROPOSED ROADWAY	▨	RIPRAP
🟪	SHARED USED PATH (SUP)	—	RETAINING WALL
— - —	EXISTING ROW	—	UTILITY COMMUNICATION/FIBER OPTIC
— - —	PROPOSED ROW	—	UTILITY ELECTRIC
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↔	PROPOSED TRAFFIC FLOW	☐	POTENTIAL RESIDENTIAL DISPLACEMENT
▨	PAVEMENT REMOVAL	■	POTENTIAL NON-RESIDENTIAL DISPLACEMENT

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AUSTIN DISTRICT
Texas Department of Transportation
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FM 1209
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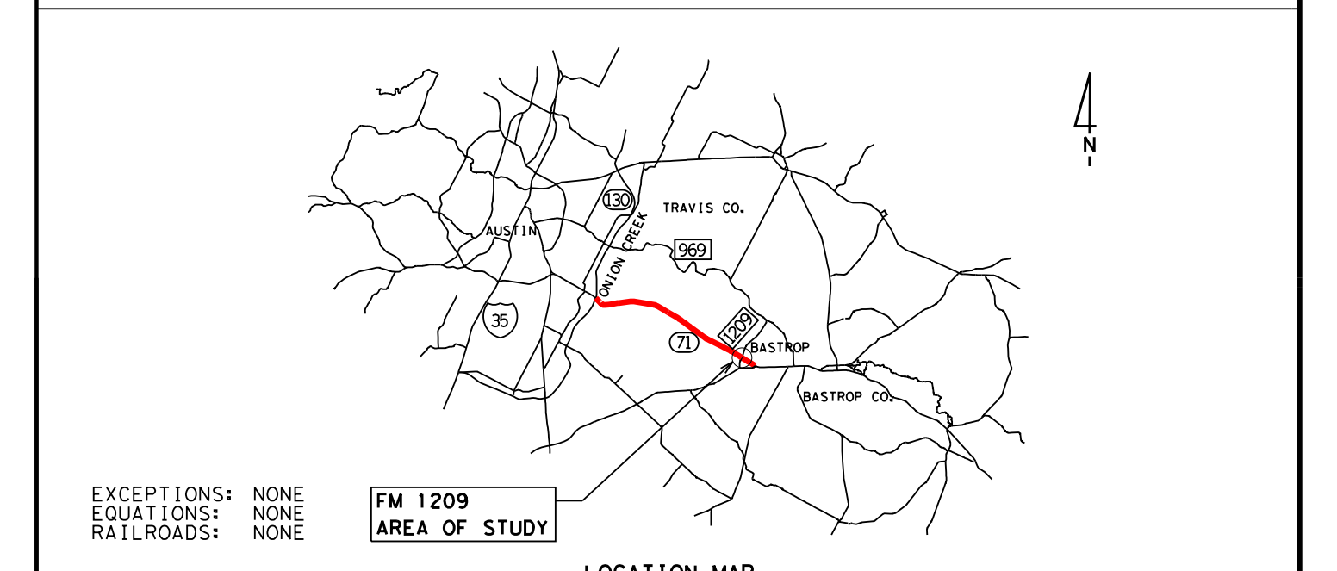

AUSTIN
TRAVIS CO.
130
969
35
71
1209
BASTROP
BASTROP CO.
N

NOT A BIDDING DOCUMENT
APRIL 30, 2019

JAMES LANGSTON, P.E.
P.E. 73891
ROBERTO GIL, P.E.
P.E. 98340

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

SH 71 MAINLANE
PLAN & PROFILE
PUBLIC HEARING

ROLL 1 OF 3

ROLL 1 OF 3
CSJ: 0265-03-041
SH-71 AT FM 1209
SCHEMATIC PLAN & PROFILE LAYOUT