ARKANSAS DEPARTMENT OF TRANSPORTATION

SCOTT E. BENNETT, P.E. - DIRECTOR

PRELIMINARY DESIGN SCHEMATIC

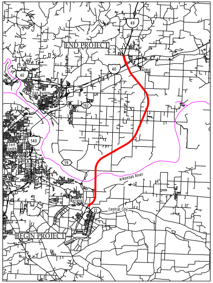
I-49 PROJECT
CRAWFORD AND SEBASTIAN COUNTIES

I-49
FROM HIGHWAY 22 TO INTERSTATE 40

PROJECT LENGTH - 14.3 MILES

ROADWAY TYPE	DESIGN SPEED
MAIN LANES	70 MPH
DIRECT CONNECTORS	40 MPH - 50 MPH
DIAGONAL/DIRECTIONAL RAMPS	40 MPH - 50 MPH
LOOP RAMPS	30 MPH - 35 MPH
CROSS STREETS	40 MPH

I-49 PROJECT
HIGHWAY CLASSIFICATION
URBAN FREEWAY


END PROJECT
49
40
Alma
Van Buren
162
540
Fort Smith
59
Arkansas River
Barling
22
Central City
BEGIN PROJECT

N
CRAWFORD AND SEBASTIAN
COUNTY
NOT TO SCALE

PRELIMINARY SUBJECT TO CHANGE BASED ON FURTHER DEVELOPMENTS RESULTING FROM PUBLIC INPUT AND TECHNICAL REVIEW.

NOT INTENDED FOR CONSTRUCTION, BIDDING OR PERMIT PURPOSES.

DATE APPROVED

DATE SUBMITTED

DATE REVISED

0 100 200
HORIZONTAL
0 20 40
VERTICAL

DATE: APRIL 26, 2018
PREPARED BY HNTB
UNDER THE SUPERVISION OF:
RUSSELL K. OZMER, P.E.

LICENSE NO. 17220

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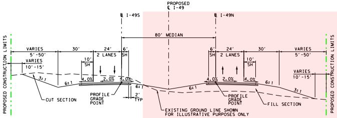
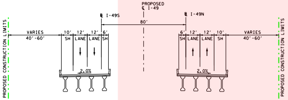
HNTB
HNTB Corporation
The HNTB Companies
Engineers Architects Planners

ARDOT
ARKANSAS DEPARTMENT OF TRANSPORTATION


PROPOSED
℄ I-49
℄ I-49S
℄ I-49N
80' MEDIAN
PROPOSED CONSTRUCTION LIMITS
VARIES
5'-50'
30'
24'
2 LANES
6'
SH
10'
SH
VARIES
10'-15'
4.0%
2.0%
4.0%
3:1
6:1
6:1
CUT SECTION
PROFILE GRADE POINT
2'
TYP
EXISTING GROUND LINE SHOWN FOR ILLUSTRATIVE PURPOSES ONLY
FILL SECTION
PROPOSED CONSTRUCTION LIMITS

PROPOSED I-49

THIS TYPICAL SECTION DOES NOT REFLECT RAMPS, AUXILIARY LANES OR LANE CONFIGURATION AT INTERSECTIONS.
SECTION IS SHOWN TO ILLUSTRATE TYPICAL LANE CONFIGURATION FOR THE LENGTH OF THIS PROJECT.
SECTION SHOWN ALSO DOES NOT REFLECT CROSS SLOPE CHANGES.

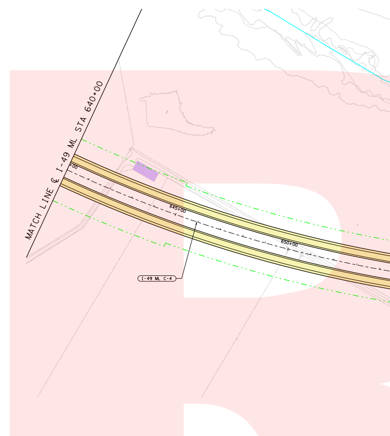

PROPOSED
℄ I-49
℄ I-49S
℄ I-49N
80'
PROPOSED CONSTRUCTION LIMITS
VARIES
40'-60'
10'
SH
12'
LANE
12'
LANE
6'
SH
2.0%
2.0%
PROPOSED CONSTRUCTION LIMITS

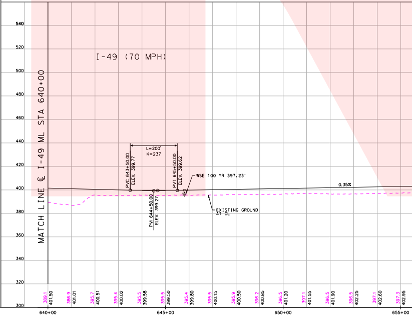
PROPOSED I-49 BRIDGE AT CROSS STREETS AND CREEKS

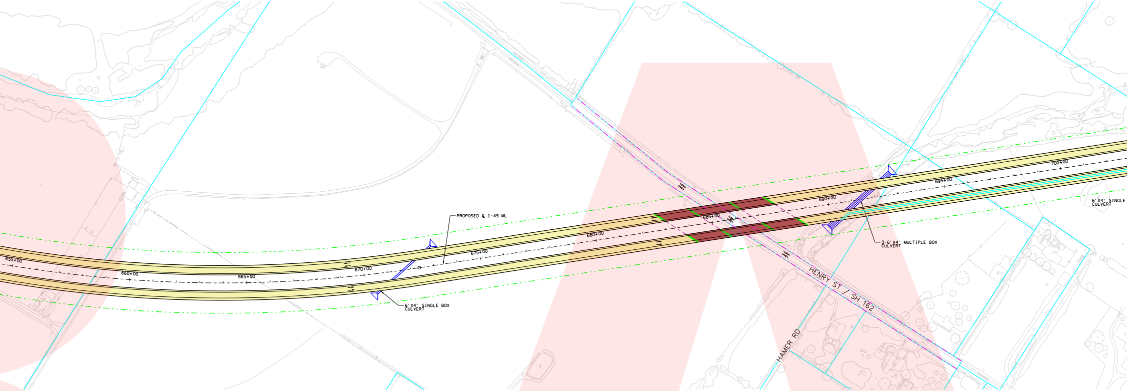
THIS TYPICAL SECTION DOES NOT REFLECT RAMPS, AUXILIARY LANES OR LANE CONFIGURATION AT INTERSECTIONS.
SECTION IS SHOWN TO ILLUSTRATE TYPICAL LANE CONFIGURATION FOR BRIDGE LIMITS OF THIS PROJECT.

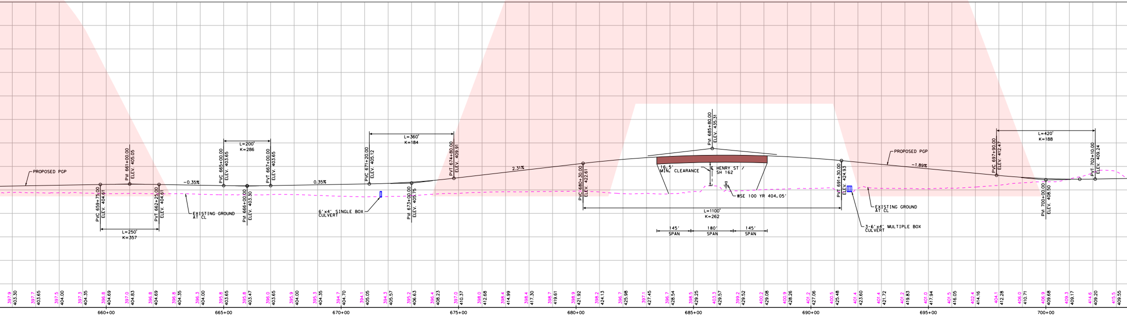
Curve C-4 on Previous Sheet

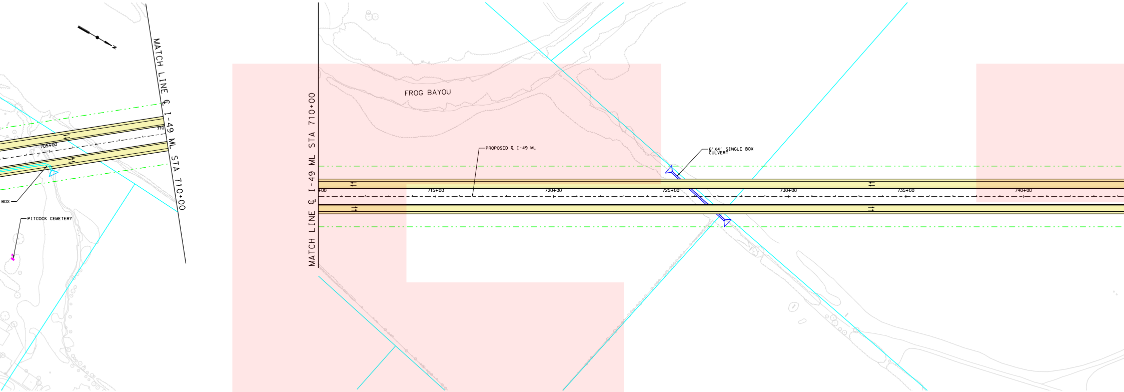
DR

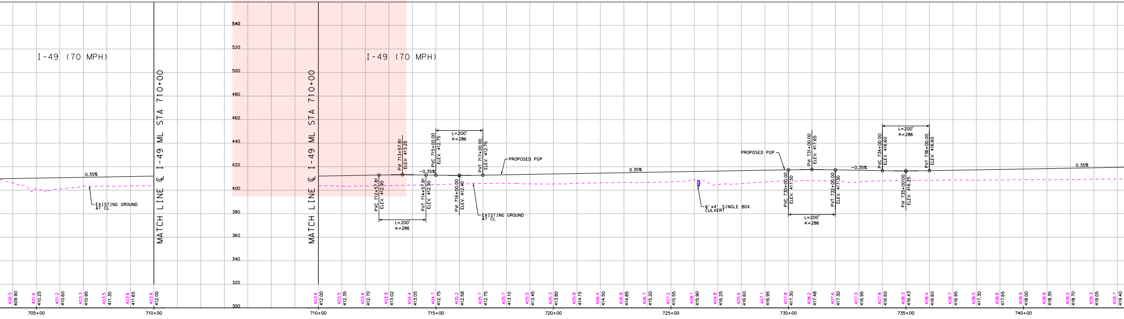

MATCH LINE ℄ I-49 ML STA 640+00
+00
645+00
650+00
I-49 ML C-4

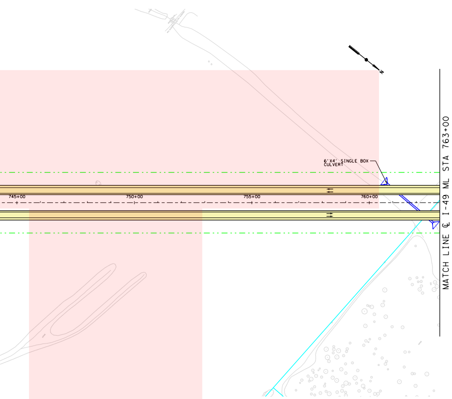



655+00
660+00
665+00
670+00
675+00
680+00
685+00
690+00
695+00
700+00
PROPOSED ℄ I-49 ML
6'X4' SINGLE BOX CULVERT
3-6'X4' MULTIPLE BOX CULVERT
6'X4' SINGLE CULVERT
HENRY ST / SH 162
HAMER RD



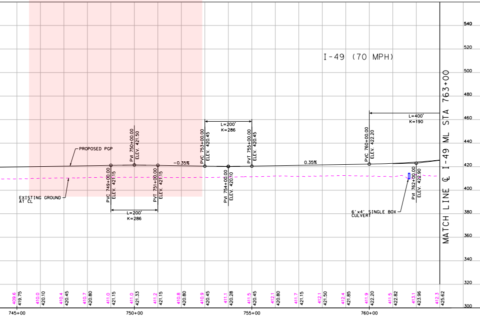

MATCH LINE ℄ I-49 ML STA 710+00
705+00
710
BOX
PITCOCK CEMETERY
MATCH LINE ℄ I-49 ML STA 710+00
FROG BAYOU
PROPOSED ℄ I-49 ML
6'X4' SINGLE BOX CULVERT
+00
715+00
720+00
725+00
730+00
735+00
740+00




6'X4' SINGLE BOX CULVERT
745+00
750+00
755+00
760+00
MATCH LINE ℄ I-49 ML STA 763+00

LEGEND

🟨	Main Lanes
🟥	Direct Connector
🟩	Cross-Streets
🟦	Ramps (Diagonal/Directional/Loop)
🟫	Concrete Bridge Structure
🟫	Steel Bridge Structure
-·-	Bridge Substructure
- - -	Existing Storm Drain
—	Proposed Storm Drain
⬜	Bicycle / Pedestrian
⬛	Driveway / Cul-De-Sac
🟪	Potential Impacts
🟦	Zone A / AE Floodplain
⬜	Zone X Floodplain
▨	Zone AE Floodway
🟪	Cemetery
-·-	Existing STATE ROW
-·-	Proposed Construction Limits
-·-	Proposed Centerline / Baseline
▬	Proposed Retaining Wall
🟩	Project By Others
⊠	Drainage Easement
—	Property Line
⊠	Removal



NOTES:

1. PARCELS SHOWN ARE BASED ON GIS DATA AND HAVE NOT BEEN VERIFIED BY FIELD SURVEY.
2. DESIGN BASED ON LiDAR MAPPING 2017/2018.
3. DESIGN BASED ON AVAILABLE DRAINAGE CONSTRAINT INFORMATION. DETAILED DRAINAGE ANALYSIS TO BE PERFORMED IN SUBSEQUENT PROJECT DEVELOPMENT PHASES.
4. DRIVEWAY LOCATIONS ARE NOT SHOWN AND SUBJECT TO ACCESS MANAGEMENT POLICIES.
5. PROPOSED CONSTRUCTION LIMITS ARE PRELIMINARY AND SUBJECT TO CHANGE.
6. LANE CONFIGURATION LAYOUT AND RAMPING SCHEME IS PRELIMINARY AND SUBJECT TO CHANGE.

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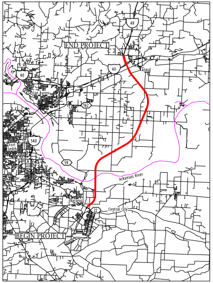
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