ARKANSAS DEPARTMENT OF TRANSPORTATION

LORIE TUDOR, P.E. - DIRECTOR

PRELIMINARY DESIGN SCHEMATIC

I-49 PROJECT
CRAWFORD AND SEBASTIAN COUNTIES

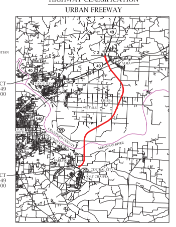
I-49
FROM HIGHWAY 22 TO INTERSTATE 40
JOB NO. 040748

PROJECT LENGTH - 14.4 MILES

ROADWAY TYPE	DESIGN SPEED
MAIN LANES	70 MPH
SYSTEM RAMPS	50 MPH*
SERVICE RAMPS (DIAGONAL)	50 MPH
SERVICE RAMPS (LOOP)	30 MPH
CROSS STREETS	40 MPH
FRONTAGE ROADS	40 MPH
LOCAL SERVICE ROADS	30 MPH

*POTENTIAL DESIGN EXCEPTION FOR REDUCED HORIZONTAL STOPPING SIGHT DISTANCE ON BRIDGES.

I-49 PROJECT
HIGHWAY CLASSIFICATION
URBAN FREEWAY



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: MARCH 2022
PREPARED BY HNTB
UNDER THE SUPERVISION OF:
JOSIAH BELVEAL, P.E.

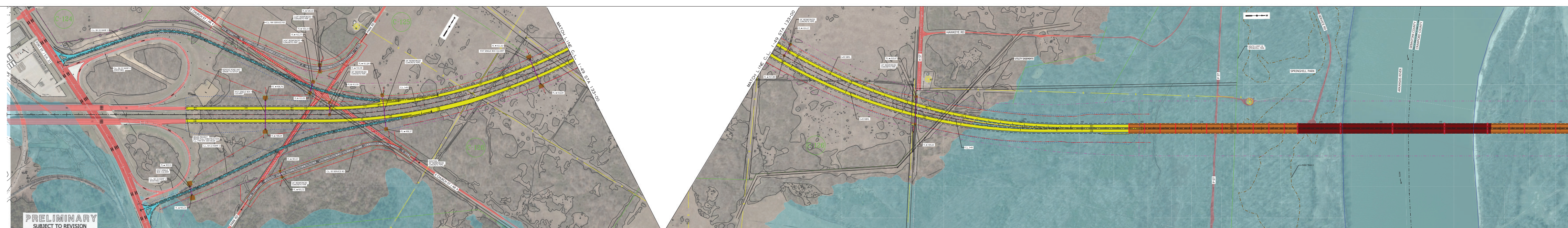
LICENSE NO. 19907

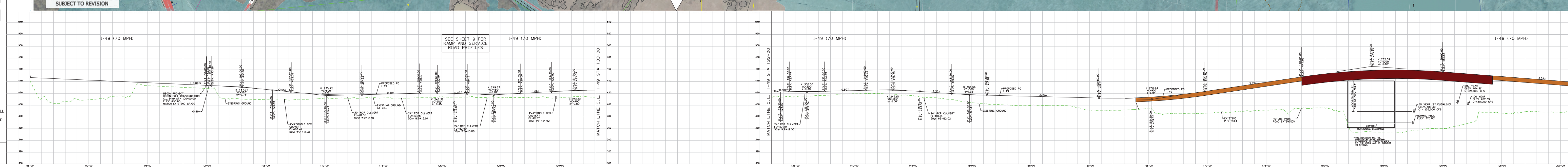
TABLE OF CONTENTS:

	ROLL
PLAN/PROFILE	1-8
PROFILES	9-10

HNTB Corporation
The HNTB Companies
Engineers Architects Planners

ARDOT





LEGEND

- Main Lanes
- System Ramps
- Cross Streets
- Frontage Roads
- Service Ramps (Diagonal/Loop)
- Concrete Option Bridge Structure
- Steel Bridge Structure
- Existing Roadway to Remain
- 100 Year Floodplain
- Bridge Substructure
- Proposed Storm Drain
- Sidewalks
- Driveway / Local Service Roads
- Cemetery
- Existing STATE ROW
- Proposed ROW
- Temporary Construction Easement
- Road Shoulder
- Proposed Construction Limits Cut
- Proposed Construction Limits Fill
- Proposed Centerline / Baseline
- Proposed Retaining Wall
- Concrete Barrier
- Guardrail
- Property Line
- Pavement Removal
- Gas Well
- Gas Line

ARKANSAS DEPARTMENT OF TRANSPORTATION

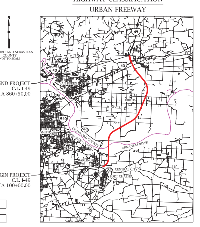
LORIE TUDOR, P.E. - DIRECTOR

PRELIMINARY DESIGN SCHEMATIC

I-49 PROJECT
CRAWFORD AND SEBASTIAN COUNTIES

I-49
FROM HIGHWAY 22 TO INTERSTATE 40
JOB NO. 040748

PROJECT LENGTH - 14.4 MILES



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LORIE TUDOR, P.E. - DIRECTOR

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I-49 PROJECT
CRAWFORD AND SEBASTIAN COUNTIES

I-49
FROM HIGHWAY 22 TO INTERSTATE 40
JOB NO. 040748

PROJECT LENGTH - 14.4 MILES

ROADWAY TYPE	DESIGN SPEED
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SYSTEM RAMPS	50 MPH*
SERVICE RAMPS (DIAGONAL)	50 MPH
SERVICE RAMPS (LOOP)	30 MPH
CROSS STREETS	40 MPH
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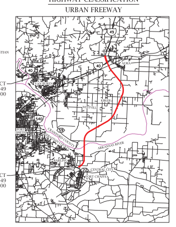
LOCAL SERVICE ROADS	30 MPH

*POTENTIAL DESIGN EXCEPTION FOR REDUCED HORIZONTAL STOPPING SIGHT DISTANCE ON BRIDGES.

I-49 PROJECT
HIGHWAY CLASSIFICATION
URBAN FREEWAY



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DATE APPROVED

DATE SUBMITTED

DATE REVISED

0 100 200 HORIZONTAL

0 20 40 VERTICAL

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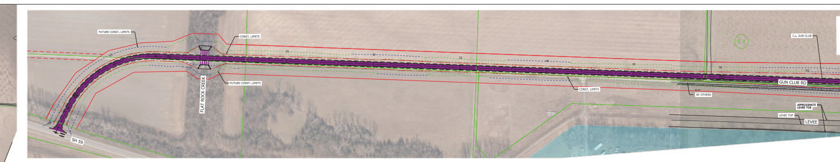
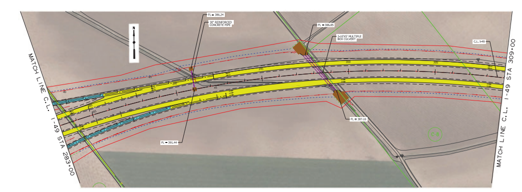
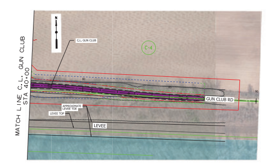
LICENSE NO. 19907

HNTB Corporation
The HNTB Companies
Engineers Architects Planners

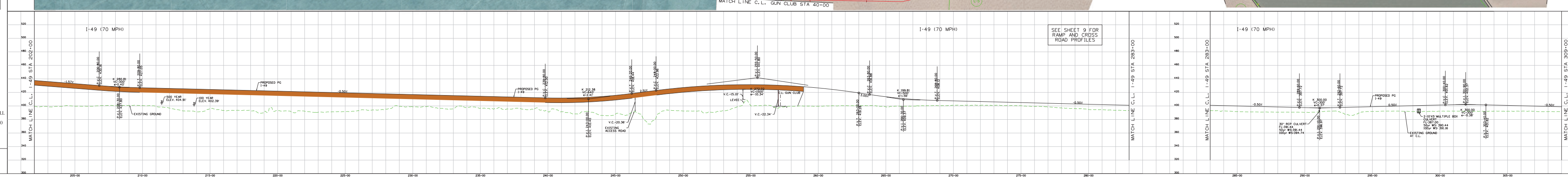






LEGEND

- Main Lanes
- System Ramps
- Cross Streets
- Frontage Roads
- Service Ramps (Diagonal/Loop)
- Concrete Option Bridge Structure
- Steel Bridge Structure
- Existing Roadway to Remain
- 100 Year Floodplain
- Bridge Substructure
- Proposed Storm Drain
- Sidewalks
- Driveway / Local Service Roads
- Cemetery
- Existing STATE ROW
- Proposed ROW
- Temporary Construction Easement
- Road Shoulder
- Proposed Construction Limits Cut
- Proposed Construction Limits Fill
- Proposed Centerline / Baseline
- Proposed Retaining Wall
- Concrete Barrier
- Guardrail
- Property Line
- Pavement Removal
- Gas Well
- Gas Line



ARKANSAS DEPARTMENT OF TRANSPORTATION

LORIE TUDOR, P.E. - DIRECTOR

PRELIMINARY DESIGN SCHEMATIC

I-49 PROJECT
CRAWFORD AND SEBASTIAN COUNTIES

I-49
FROM HIGHWAY 22 TO INTERSTATE 40
JOB NO. 040748

PROJECT LENGTH - 14.4 MILES

I-49 PROJECT
HIGHWAY CLASSIFICATION
URBAN FREEWAY

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

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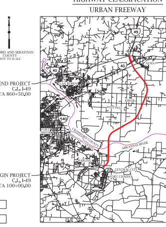
LICENSE NO. 19907



HNTB Corporation
The HNTB Companies
Engineers Architects Planners

ARKANSAS DEPARTMENT OF TRANSPORTATION

LORIE TUDOR, P.E. • DIRECTOR

PRELIMINARY DESIGN SCHEMATIC

I-49 PROJECT
CRAWFORD AND SEBASTIAN COUNTIES

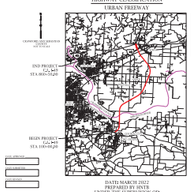
I-49
FROM HIGHWAY 22 TO INTERSTATE 40
JOB NO. 040748

PROJECT LENGTH • 14.4 MILES

MAIN LANE	24 MPH
RAMP LANE	25 MPH
SERVICE RAMPS (DIAGONAL)	30 MPH
SERVICE RAMPS (LOOP)	30 MPH
CROSS STREETS	40 MPH
FRONTAGE ROADS	40 MPH
LOCAL SERVICE ROADS	30 MPH

POSTED SPEED LIMITS MAY DIFFER FROM DESIGN SPEEDS, SIGNING, MARKING AND OTHER ITEMS WILL DETERMINE POSTED SPEED LIMITS.

I-49 PROJECT
HIGHWAY CLASSIFICATION
URBAN FREEWAY



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SEE EXTENT OF CONSTRUCTION, BEGINS ON PRIOR SHEET.

DATE: MARCH 2022
PREPARED BY:
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JOSIAH BEVANAL, P.E.

LICENSE NO.: 19907

TABLE OF CONTENTS:

	ROLL
PLAN/PROFILE	1-49
PROFILES	5-10

HNTB Corporation
The HNTB Companies
Engineers. Architects. Planners.

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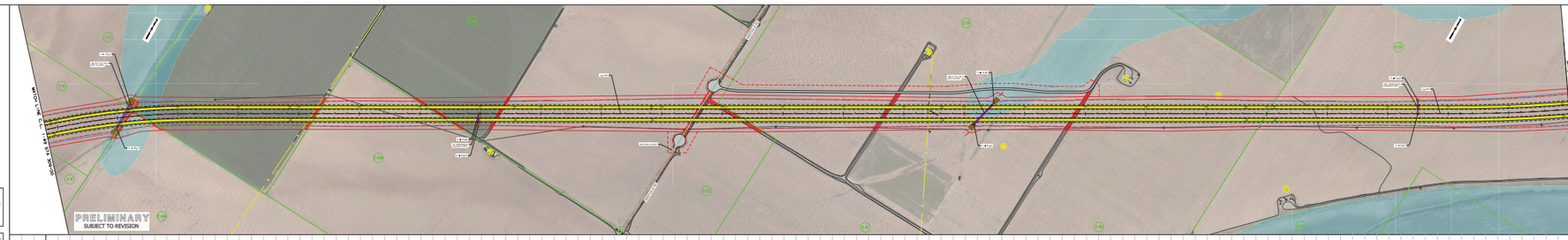

LEGEND

- Main Lanes
- System Ramps
- Cross Streets
- Frontage Roads
- Service Ramps (Diagonal/Loop)
- Concrete Option Bridge Structure
- Steel Bridge Structure
- Exhibiting Roadway to Remain
- 100 Year Floodplain
- Bridge Substructure
- Proposed Storm Drain
- Sidewalks
- Driveway / Local Service Roads
- Cemetery
- Exhibiting STATE ROW
- Proposed ROW
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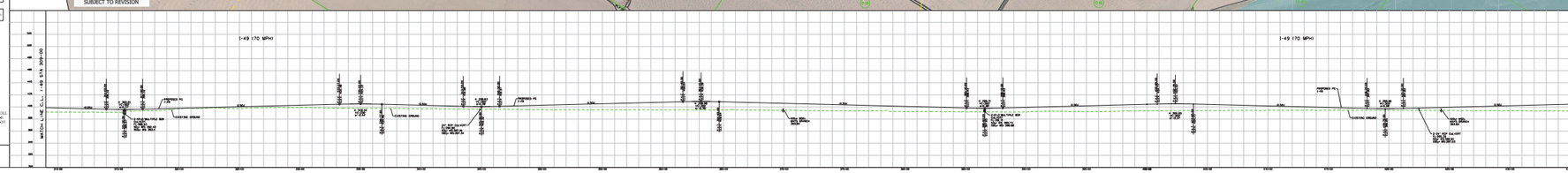
- Proposed Construction Limits Cut
- Proposed Construction Limits Fill
- Proposed Centerline / Baseline
- Proposed Retaining Wall
- Concrete Barrier
- Guardrail
- Property Line
- Pavement Removal
- Gas Well
- Gas Line



ARKANSAS DEPARTMENT OF TRANSPORTATION

LORIE TUDOR, P.E. • DIRECTOR

PRELIMINARY DESIGN SCHEMATIC

I-49 PROJECT
CRAWFORD AND SEBASTIAN COUNTIES

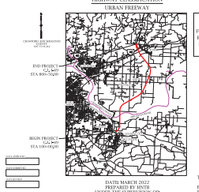
I-49
FROM HIGHWAY 22 TO INTERSTATE 40
JOB NO. 040748

PROJECT LENGTH • 14.4 MILES

MAIN LANE	24 MPH
RAMP LANE	25 MPH
SERVICE RAMPS (DIAGONAL)	30 MPH
SERVICE RAMPS (LOOP)	30 MPH
CROSS STREETS	40 MPH
FRONTAGE ROADS	40 MPH
LOCAL SERVICE ROADS	30 MPH

POSTED SPEED LIMITS MAY DIFFER FROM DESIGN SPEEDS, SIGNING, MARKING AND OTHER ITEMS WILL DETERMINE POSTED SPEED LIMITS.

I-49 PROJECT
HIGHWAY CLASSIFICATION
URBAN FREEWAY



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SEE EXTENT OF CONSTRUCTION, BEGINS ON PRIOR SHEET.

DATE: MARCH 2022
PREPARED BY:
UNDER THE SUPERVISION OF:
JOSIAH BEVANAL, P.E.

LICENSE NO.: 19907

TABLE OF CONTENTS:

	ROLL
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PROFILES	5-10

HNTB Corporation
The HNTB Companies
Engineers. Architects. Planners.

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ARKANSAS DEPARTMENT OF TRANSPORTATION

LORIE TUDOR, P.E. • DIRECTOR

PRELIMINARY DESIGN SCHEMATIC

I-49 PROJECT
CRAWFORD AND SEBASTIAN COUNTIES

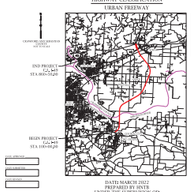
I-49
FROM HIGHWAY 22 TO INTERSTATE 40
JOB NO. 040748

PROJECT LENGTH • 14.4 MILES

MAIN LANE	14 MPH
SYSTEM RAMPS	35 MPH
SERVICE RAMPS (DIAGONAL)	35 MPH
SERVICE RAMPS (LOOP)	30 MPH
CROSS STREETS	40 MPH
FRONTAGE ROADS	40 MPH
LOCAL SERVICE ROADS	30 MPH

POSTED DESIGN SPEED FOR RAMPS DETERMINED BY STOPPING SIGHT DISTANCE ON RAMPS.

I-49 PROJECT
HIGHWAY CLASSIFICATION
URBAN FREEWAY



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

NOT ENOUGH OF CONSTRUCTION, BEGINS OR ENDS PARTIAL.

DATE: MARCH 2022
PRELIMINARY DESIGN
UNDER THE SUPERVISION OF:
JOSIAH BELVEAL, P.Z.

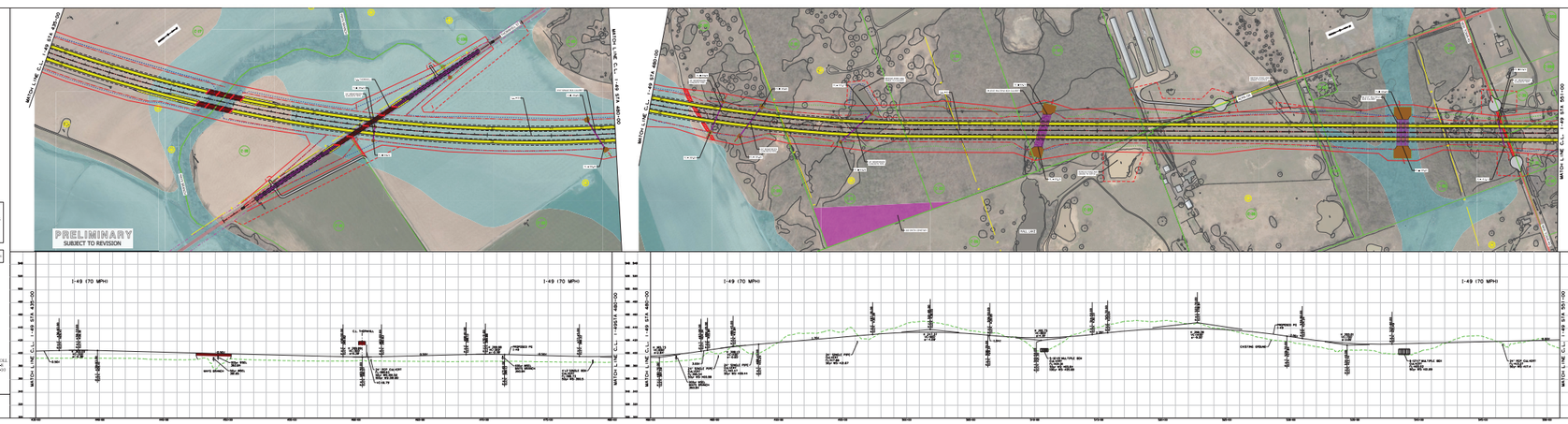
LICENSE NO. 19907

TABLE OF CONTENTS:
PLAN/PROFILE PROFILES

SCALE
H=1"=
V=1"=

HNTB Corporation
The HNTB Companies
Engineers Architects Planners

ARDOT



LEGEND

- Main Lanes
- System Ramps
- Cross Streets
- Frontage Roads
- Service Ramps (Diagonal/Loop)
- Concrete Option Bridge Structure
- Steel Bridge Structure
- Exhibiting Roadway to Remain
- 100 Year Floodplain
- Bridge Substructure
- Proposed Storm Drain
- Sidewalks
- Driveway / Local Service Roads
- Cemetery
- Exhibiting STATE ROW
- Proposed ROW
- Temporary Construction Easement
- Road Shoulder
- Proposed Construction Limits Cut
- Proposed Construction Limits Fill
- Proposed Centerline / Baseline
- Proposed Retaining Wall
- Concrete Barrier
- Guardrail
- Property Line
- Pavement Removal
- Gas Well
- Gas Line

ARKANSAS DEPARTMENT OF TRANSPORTATION

LORIE TUDOR, P.E. • DIRECTOR

PRELIMINARY DESIGN SCHEMATIC

I-49 PROJECT
CRAWFORD AND SEBASTIAN COUNTIES

I-49
FROM HIGHWAY 22 TO INTERSTATE 40
JOB NO. 040748

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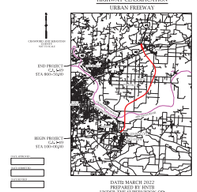
LOCAL SERVICE ROADS	30 MPH

POSTED DESIGN SPEED FOR RAMPS DETERMINED BY STOPPING SIGHT DISTANCE ON RAMPS.

I-49 PROJECT
HIGHWAY CLASSIFICATION
URBAN FREEWAY



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LICENSE NO. 19907

TABLE OF CONTENTS:
PLAN/PROFILE PROFILES

SCALE
H=1"=
V=1"=

SHEET 4 OF 10

HNTB Corporation
The HNTB Companies
Engineers Architects Planners

ARDOT

ARKANSAS DEPARTMENT OF TRANSPORTATION

LORIE TUDOR, P.E. • DIRECTOR

PRELIMINARY DESIGN SCHEMATIC

I-49 PROJECT
CRAWFORD AND SEBASTIAN COUNTIES

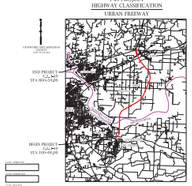
I-49
FROM HIGHWAY 22 TO INTERSTATE 40
JOB NO. 040748

PROJECT LENGTH • 14.4 MILES

MAIN LANES	14 MPS
SYSTEM RAMPS	12 MPS
SERVICE RAMPS (DIAGONAL)	14 MPS
SERVICE RAMPS (LOOP)	9 MPS
SIGNS (PROP)	49 MPS
PROPOSED BRIDGE	42 MPS
LOCAL SERVICE ROADS	10 MPS

WITHIN CITIES LIMITS OR ADJACENT HORIZONTAL SCHEMATIC ARE DEVIATED FROM AASHTO.

I-49 PROJECT
HIGHWAY CLASSIFICATION
URBAN FREEWAY



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DATED MARCH 2022
PREPARED BY HNTB
UNDER THE SUPERVISION OF:
JOSIAH BEUSEAL, P.E.

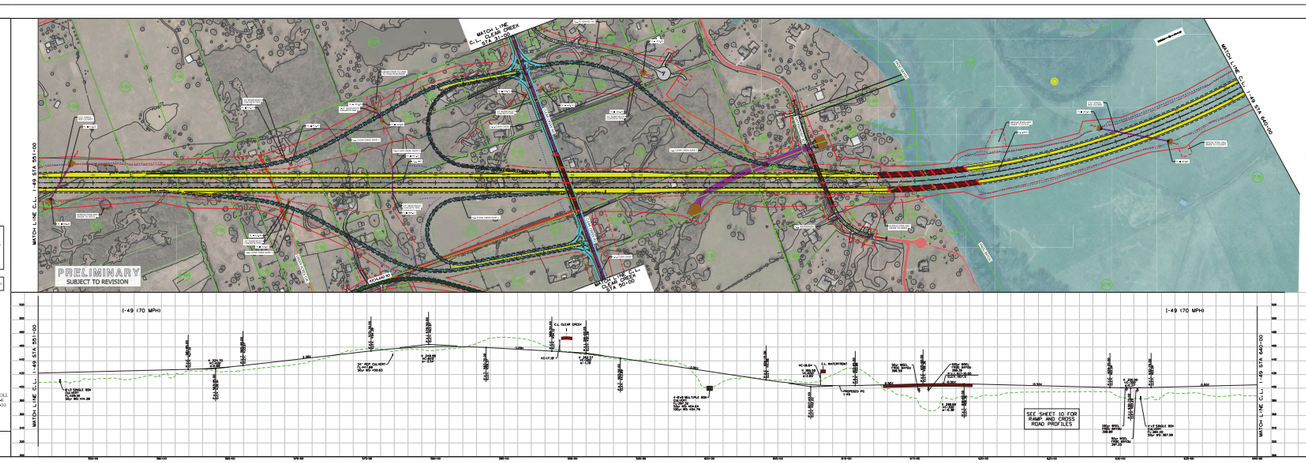
LICENSE NO. 19907

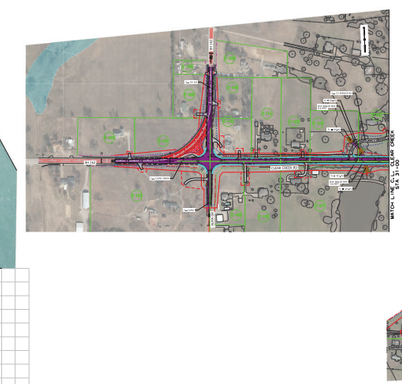
TABLE OF CONTENTS:

	ROLL
PLAN/PROFILE	1-6
PROFILES	7-10

HNTB — HNTB Corporation — The HNTB Companies — Engineers. Architects. Partners.

ARDOT





ARKANSAS DEPARTMENT OF TRANSPORTATION

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PRELIMINARY DESIGN SCHEMATIC

I-49 PROJECT
CRAWFORD AND SEBASTIAN COUNTIES

I-49
FROM HIGHWAY 22 TO INTERSTATE 40
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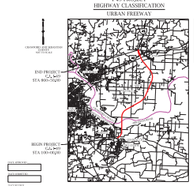
I-49 PROJECT
HIGHWAY CLASSIFICATION
URBAN FREEWAY



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PLAN/PROFILE	1-6
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HNTB — HNTB Corporation — The HNTB Companies — Engineers. Architects. Partners.

ARDOT

SHEET 5 OF 10

ARKANSAS DEPARTMENT OF TRANSPORTATION

LORIE TUDOR, P.E. - DIRECTOR
PRELIMINARY DESIGN SCHEMATIC

I-49 PROJECT
CRAWFORD AND SEBASTIAN COUNTIES

I-49
FROM HIGHWAY 22 TO INTERSTATE 40
JOB NO. 040748

PROJECT LENGTH - 14.4 MILES

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MAIN LANES	70 MPH
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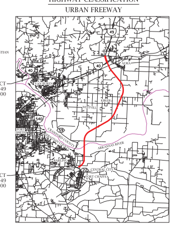
*POTENTIAL DESIGN EXCEPTION FOR REDUCED HORIZONTAL STOPPING SIGHT DISTANCE ON BRIDGES.

I-49 PROJECT
HIGHWAY CLASSIFICATION
URBAN FREEWAY

CRAWFORD AND SEBASTIAN COUNTY
NOT TO SCALE



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DATE APPROVED
DATE SUBMITTED
DATE REVISED

0 100 200
HORIZONTAL
0 20 40
VERTICAL

DATE: MARCH 2022
PREPARED BY HNTB
UNDER THE SUPERVISION OF:
JOSIAH BELVEAL, P.E.

LICENSE NO. 19907

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PLAN/PROFILE	1-8
PROFILES	9-10

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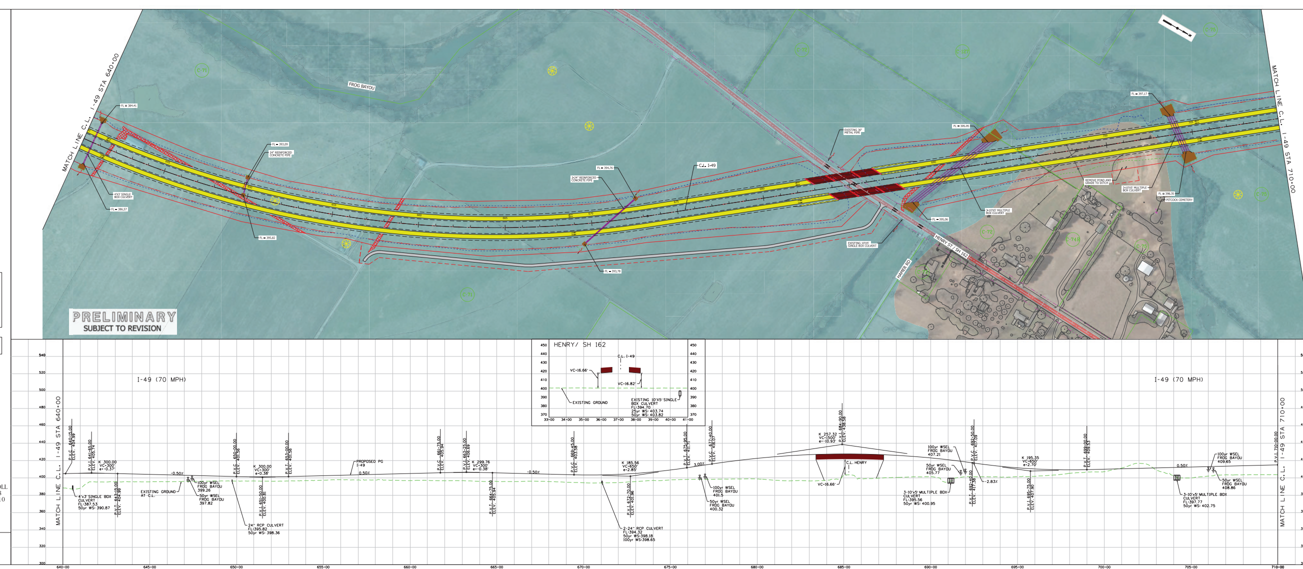

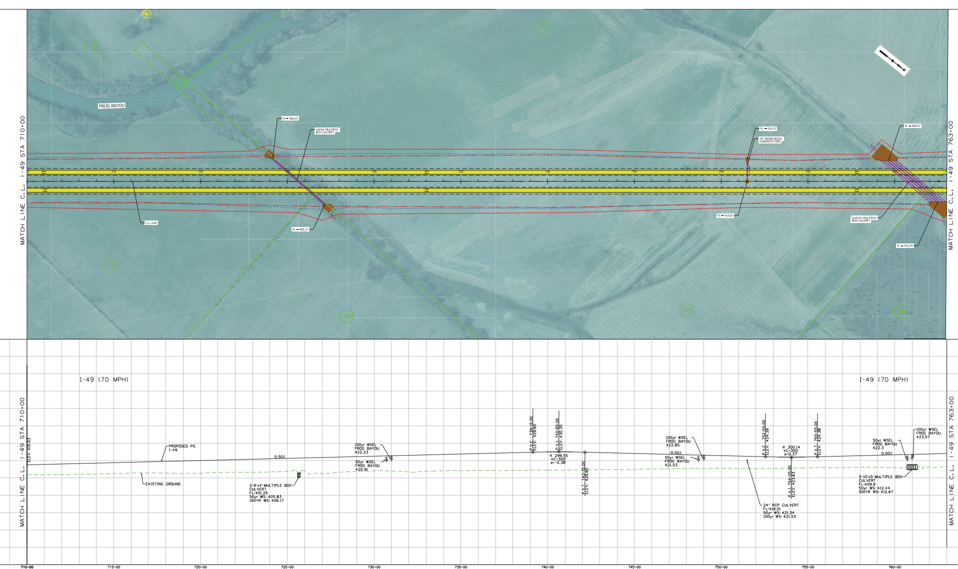

LEGEND

- Main Lanes
- System Ramps
- Cross Streets
- Frontage Roads
- Service Ramps (Diagonal/Loop)
- Concrete Option Bridge Structure
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- Existing Roadway to Remain
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ARKANSAS DEPARTMENT OF TRANSPORTATION

LORIE TUDOR, P.E. - DIRECTOR
PRELIMINARY DESIGN SCHEMATIC
I-49 PROJECT
CRAWFORD AND SEBASTIAN COUNTIES

I-49
FROM HIGHWAY 22 TO INTERSTATE 40
JOB NO. 040748

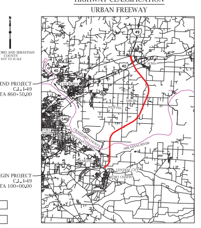
PROJECT LENGTH - 14.4 MILES

ROADWAY TYPE	DESIGN SPEED
MAIN LANES	70 MPH
SYSTEM RAMPS	50 MPH*
SERVICE RAMPS (DIAGONAL)	50 MPH
SERVICE RAMPS (LOOP)	30 MPH
CROSS STREETS	40 MPH
FRONTAGE ROADS	40 MPH
LOCAL SERVICE ROADS	30 MPH

*POTENTIAL DESIGN EXCEPTION FOR REDUCED HORIZONTAL STOPPING SIGHT DISTANCE ON BRIDGES.

I-49 PROJECT
HIGHWAY CLASSIFICATION
URBAN FREEWAY

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: MARCH 2022
PREPARED BY HNTB
UNDER THE SUPERVISION OF:
JOSIAH BELVEAL, P.E.

LICENSE NO. 19907

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HNTB Corporation
The HNTB Companies
Engineers Architects Planners

ArDOT

ARKANSAS DEPARTMENT OF TRANSPORTATION

LORIE TUDOR, P.E. - DIRECTOR

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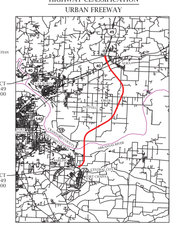

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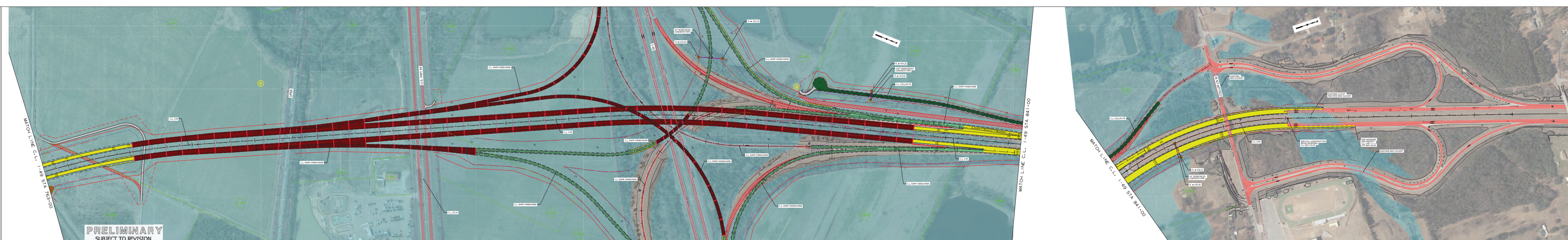

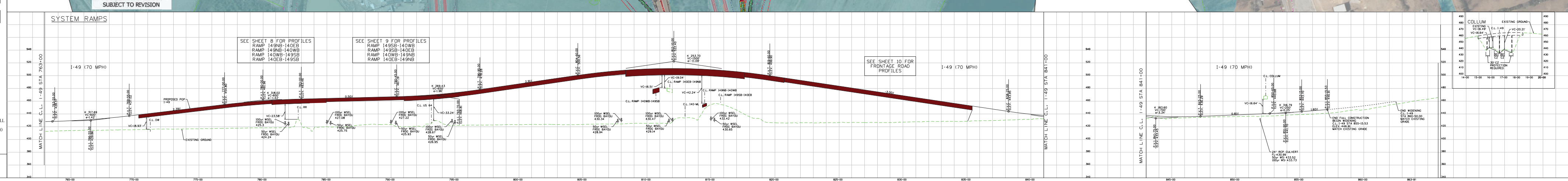

LEGEND

- Main Lanes
- System Ramps
- Cross Streets
- Frontage Roads
- Service Ramps (Diagonal/Loop)
- Concrete Option Bridge Structure
- Steel Bridge Structure
- Existing Roadway to Remain
- 100 Year Floodplain
- Bridge Substructure
- Proposed Storm Drain
- Sidewalks
- Driveway / Local Service Roads
- Cemetery
- Existing STATE ROW
- Proposed ROW
- Temporary Construction Easement
- Road Shoulder
- Proposed Construction Limits Cut
- Proposed Construction Limits Fill
- Proposed Centerline / Baseline
- Proposed Retaining Wall
- Concrete Barrier
- Guardrail
- Property Line
- Pavement Removal
- Gas Well
- Gas Line

ARKANSAS DEPARTMENT OF TRANSPORTATION

LORIE TUDOR, P.E. - DIRECTOR

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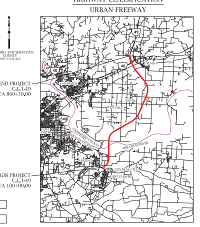
I-49 PROJECT
HIGHWAY CLASSIFICATION
URBAN FREEWAY

CRAWFORD AND SEBASTIAN COUNTY
NOT TO SCALE



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HORIZONTAL

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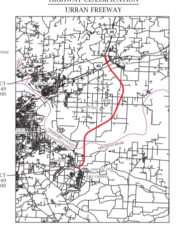
HIGHWAY CLASSIFICATION
URBAN FREEWAY



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0 100 200 HORIZONTAL
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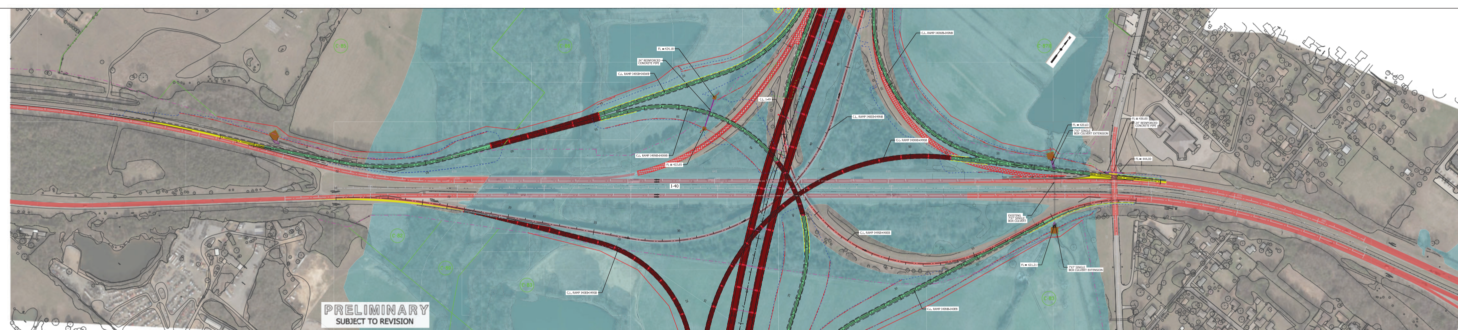

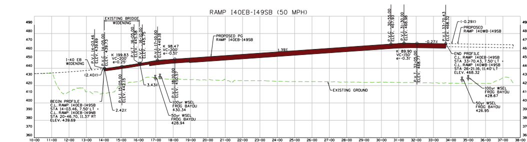

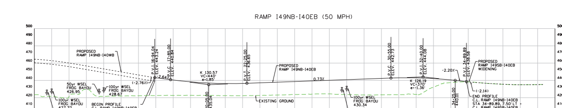

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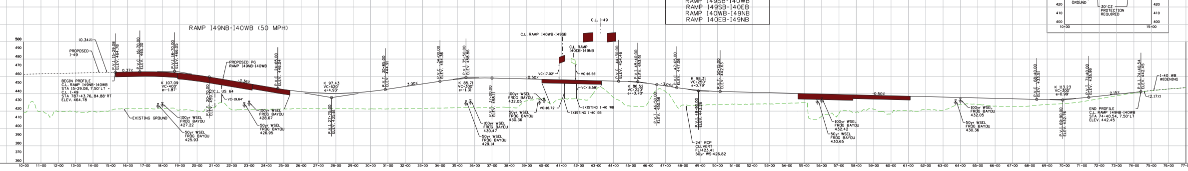
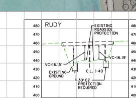
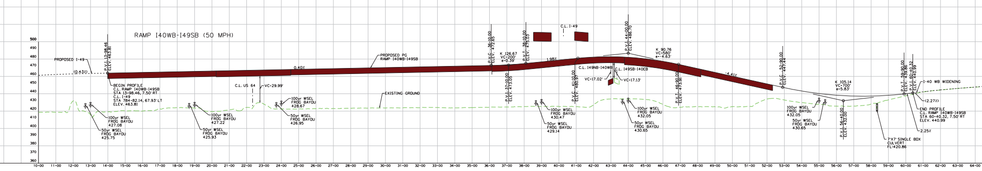
- Gas Well
- Gas Line

SYSTEM RAMPS (CONTINUED)

SEE SHEET 9 FOR PROFILES
RAMP I49SB-I40WB
RAMP I49SB-I40EB
RAMP I40WB-I49NB
RAMP I40EB-I49NB







ARKANSAS DEPARTMENT OF TRANSPORTATION

LORIE TUDOR, P.E. - DIRECTOR
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CRAWFORD AND SEBASTIAN COUNTIES

I-49
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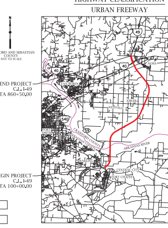
I-49 PROJECT
HIGHWAY CLASSIFICATION
URBAN FREEWAY



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ARDOT

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I-49 PROJECT
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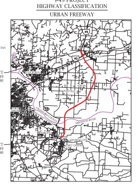

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HORIZONTAL 0 100 200
VERTICAL 0 20 40

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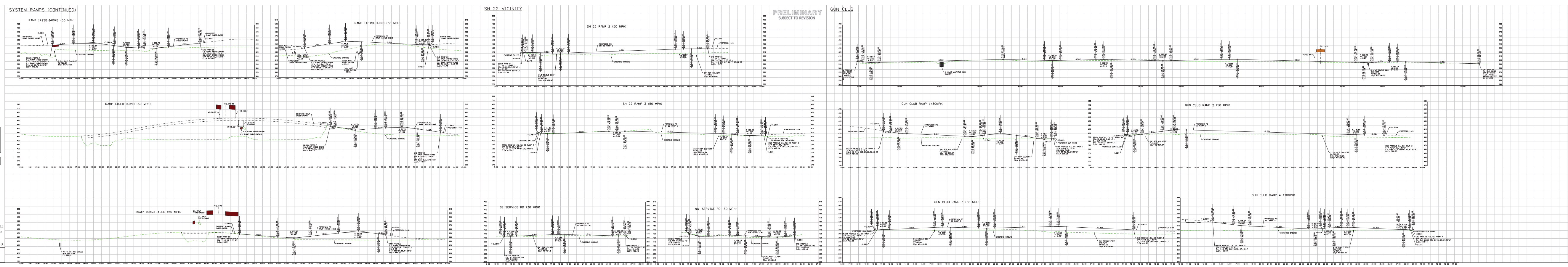

ARKANSAS DEPARTMENT OF TRANSPORTATION
LORIE TUDOR, P.E. - DIRECTOR
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I-49 PROJECT
CRAWFORD AND SEBASTIAN COUNTIES
I-49
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I-49 PROJECT
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DATE: JANUARY 2022
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SHEET 9 OF 10

ARKANSAS DEPARTMENT OF TRANSPORTATION

LORE TYSON, P.E.=DIRECTOR

PRELIMINARY DESIGN SCHEMATIC

I-49 PROJECT

CRAWFORD AND SEBASTIAN COUNTIES

I-49

FROM HIGHWAY 22 TO INTERSTATE 40

JOB NO.:040748

PROJECT LENGTH = 15.6 MILES

PROJECT LENGTH	15.6 MILES
STATE LINE	0.0 MILES
BEGIN PROJECT (HIGHWAY 22)	0.0 MILES
END PROJECT (I-40)	15.6 MILES
BEGIN BRIDGE	0.0 MILES
END BRIDGE	0.0 MILES
BEGIN PROJECT	0.0 MILES
END PROJECT	15.6 MILES
TOTAL BRIDGE	0.0 MILES
TOTAL BRIDGE DECK	0.0 MILES

TOTAL BRIDGE DECK AREA = 0.0 SQUARE METERS

TOTAL BRIDGE LENGTH = 0.0 METERS

I-49 PROJECT

HIGHWAY CLASSIFICATION

CRAWFORD COUNTY

PRELIMINARY SUBJECT TO CHANGE BASED ON FUTURE ENVIRONMENTAL REVIEW, FURTHER DESIGN, PUBLIC INPUT AND TECHNICAL REVIEW.

PRELIMINARY
SUBJECT TO REVISION

PLAN SHEET

PROFILE

PROPERTY OF STATE OF ARKANSAS
UNDER CONTRACT NO. 040748
ENSIGN BUCHOLZ, P.A.

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SHEET 10 OF 10

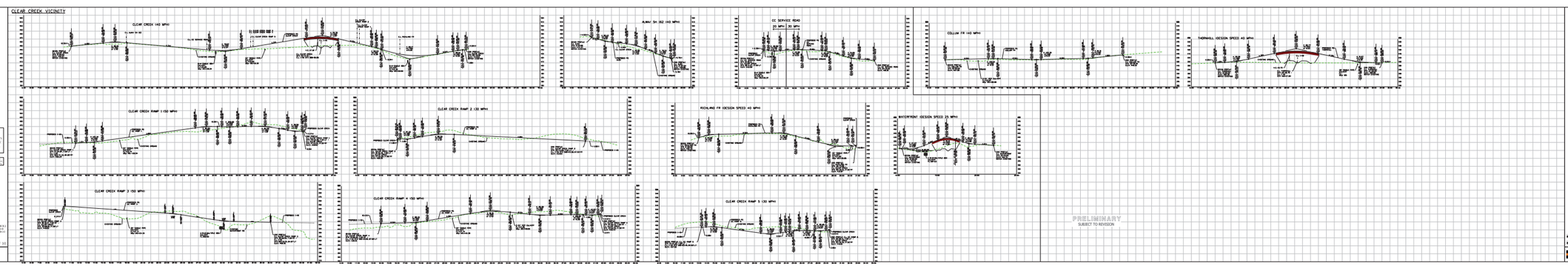
REVISION NO.1 DATE

HNTB

HNTB Corporation
The HNTB Companies - Partners

ARDOT

CLEAR CREEK VICINITY



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TOTAL BRIDGE LENGTH = 0.0 METERS

I-49 PROJECT

HIGHWAY CLASSIFICATION

CRAWFORD COUNTY

END PROJECT
(I-40 INTERCHANGE)

BEGIN PROJECT
(HWY 22)

PRELIMINARY SUBJECT TO CHANGE BASED ON FUTURE ENVIRONMENTAL REVIEW, FURTHER DESIGN, PUBLIC INPUT AND TECHNICAL REVIEW.

PRELIMINARY
SUBJECT TO REVISION

PLAN SHEET

PROFILE

PROPERTY OF STATE OF ARKANSAS
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