

Concept Report Form

The Concept Report Form develops an initial project vision, basis of design and report (e.g., the Concept Report) to transition into the subsequent design stages (Stages 1 through 4 in the Project Delivery Network [PDN]). This form summarizes all project components using information to complete the Concept Report.

General Project Information

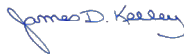
Project Name	Smith/Putnam Counties I-40 Bridges/Rest Area Concept Report									
PIN	131552.01									
Route Information	Route	NHS (Y/N)	Functional Class		City		County			
	I-40	Yes	Interstate		Gordonsville/Bufalo Vall		Smith/Putnam			
Project Information	Begin Log Mile	End Log Mile	AADT¹	Design Hour Vol. (DHV)¹	Truck %¹	Design Speed (MPH)	Posted Speed (MPH)	Base Year	Design Year	
	16.33	0.08	61,650	5,183	27.00	70	70	2026	2046	
Project Description & Standard Drawings Used	<p>The I-40 Interchange Improvement and Truck Parking project will add a 125 bay truck parking expansion adjacent to the Welcome Center, replace twin bridges 80I00400036 along I-40 EB & WB in Smith & Putnam County, and update ramp acceleration and deceleration length to current standards. The grade of the I-40 bridges will be raised 1ft 8in. The project will utilize two conceptual typical sections for I-40: 4 lane freeway with depressed median, and 6 lane freeway with median barrier for the proposed bridge. The project length is approximately 0.86 miles. The I-40 corridor is a full access controlled facility with an interchange to access the Welcome Center.</p> <p>RD11-TS-5; RD11-TS-5B</p>								Project Details	
Important Project History or Related Projects	<p>2022: TDOT STID coordinated with Structures and Long-Range Planning to submit Rest Area Improvements (truck parking expansion, ramp improvements, and bridge replacements) for potential grant funding. STID developed site visit packet and presented alternatives to Structures, Region 3 Project Development & Operations, STID, and Region 3 Project Management. The Grant was awarded to TDOT and preliminary design activities started in 2023.</p>									
Project Purpose/Need	<p>The purpose of the project is to add a new commercial truck parking lot (approximately 125 bays) adjacent to the Welcome Center, replace the I-40 twin bridges adjacent to the Welcome Center interchange and extend the acceleration and deceleration ramps to meet current standards. Federal Funding is anticipated to be utilized in the construction of this project.</p>									
Major Environmental Considerations	<p>The bridges being replaced on I-40 cross the Caney Fork River and will require demolition and removal activities of the existing structures and a retaining wall. There is a drip field septic system and an existing treatment facility on site of the Welcome Center. At this time the new truck parking area is avoiding impacts to this septic system.</p>									

Multi-Modal Considerations	There are no multi-modal considerations as this facility is a full control access facility. This project is expected to utilize federal funding.			
Major Project Risks	Project risks include impacts that would effect the SOP of the Welcome Center and additional permitting costs to change or update that SOP. This document is covered by 23 USC § 407 and its production pursuant to fulfilling public planning requirements does not waive the provisions of § 407.			
Concept Estimate and Timeline	Total Current Project Cost		Construction Year Estimate	Preliminary Estimates
	\$ 84,300,000			
	Proposed Construction Year		Estimated Construction Duration	

¹ Traffic numbers reflect identified design year

Approvals

Executed for approval of this Concept Report



Jul 3, 2024

Project Management Director

Date

The following individuals to execute if a bridge concept report:

Structures Director

Date

Regional Project Development Director

Date

Bureau Chief of Engineering

Date

Bureau Chief of Environment and Planning

Date

Action Checklist			
0SD1 Initiate Concept Report and Request Funding			
Complete	NA		Date Completed
	✓	Request and Finalize Safety Data	
✓		Request Project Number, PIN, and Task Profile Numbers	09/10/2021
	✓	Coordinate with Long Range Planning	
✓		Request and Finalize Traffic Data	11/10/2021
	✓	Request Preliminary Survey Data	
✓		Initiate Division Reviews	05/19/2023
	✓	Schedule Site Review (with appropriate Divisions)	
0EN1 Conduct Environmental Desktop Review			
Complete	NA		Date Completed
✓		Confirm Environmental Desktop Review is Complete	05/25/2024
0MM1 Conduct Multimodal Review			
Complete	NA		Date Completed
	✓	Confirm Multimodal Review is Complete	
	✓	Review Multimodal Considerations & Recommendations	
0TO1 Conduct Initial Traffic Ops/TSMO Review <i>(include HQ Traffic Ops and Regional Traffic Office)</i>			
Complete	NA		Date Completed
		Confirm Transportation Systems Management & Operations (TSMO) Alignment & Operations Review is Complete	
		Request Concept Report Review	05/19/2023
0ST1 Develop Structures Recommendations			
Complete	NA		Date Completed
✓		Confirm Recommended Structure Type for Concept Report is Complete	05/19/2023
	✓	Confirm Hydraulic Recommendations for Concept Report is Complete	
0SY1 Provide Preliminary Survey Data			
Complete	NA		Date Completed
	✓	Confirm Control Ground Survey Set	
	✓	Review Preliminary Survey Data	
	✓	Determine Time to Complete the Aerial Survey	
0GT1 Conduct Preliminary Geotechnical Assessment			
Complete	NA		Date Completed
	✓	Confirm Geotechnical Division Review is Complete	
0RD1 Provide Roadway Desktop Review			
Complete	NA		Date Completed
✓		Confirm Roadway Division Review is Complete	05/19/2023

Action Checklist			
0SD2 Develop Draft Concept Report			
Complete	NA		Date Completed
	✓	Conduct Intersection and Interchange Evaluation (IIE)	
	✓	Complete Conceptual Signal Warrants	
✓		Develop Draft Conceptual Layouts/Crash Figures for Site Visit	05/19/2023
✓		Compile Initial Divisional Reviews for Site Visit	05/19/2023
	✓	Prepare & Send Site Visit Packet	
	✓	Lead Site Visit	
✓		Initiate Interstate Access Requests (IAR) Concept Coordination with FHWA (if applicable)	01/15/2024
✓		Develop, Compile, and Distribute the Draft Concept Report	05/06/2024
0TO2 Develop TSMO Scope Items <i>(include HQ Traffic Ops and Regional Traffic Office)</i>			
Complete	NA		Date Completed
	✓	Confirm Signal Warrants Analysis is Complete	
	✓	Confirm Lighting Warrants Analysis is Complete	
	✓	Review and Confirm TSMO & ITS Scope and Budget	
0RW1 Complete Preliminary Right-of-Way Estimates			
Complete	NA		Date Completed
	✓	Review and Confirm Preliminary Right-of-Way Cost Estimates	
0UT1 Complete Utility Preliminary Estimates			
Complete	NA		Date Completed
		Review and Confirm Preliminary Utility Estimate	
		Review and Confirm Preliminary Railroad Cost Estimate	
0SD3 Finalize Concept Report			
Complete	NA		Date Completed
	✓	Compile and Review Initial Risk Assessment	
✓		Finalize Conceptual Layouts	04/15/2024
✓		Develop Environmental Technical Study Area (ETSA)	04/15/2024
✓		Address Comments and Finalize Concept Report	06/01/2024
	✓	Address Comments and Finalize Interstate Access Requests (IAR) Document and Memo (if applicable)	
	✓	Develop Roadway Safety Audit (RSA) No Plans Document	
✓		Submit the final Concept Report for Review and Signatures (as needed; see 0SD3 for additional information)	06/27/2024
✓		Finalize Document and Upload All Needed Electronic Files	07/10/2024
✓		Notify the Project Management Director or Assigned Project Manager to Set Up Project (1PM1)	07/10/2024

NA Justification

Several items are marked NA due to their lack of relevance given the schedule of this project and document type.

Concept Report Table of Contents/Attachments

	Included	NA
One-Page Summary (with project location map)	✓	
Conceptual Layout(s) and Cross Section	✓	
Environmental Technical Study Area (ETSA) Layout	✓	
Concept Cost Estimate (Construction Year Estimate)	✓	
TSMO & ITS Scope and Budget ¹		✓
ROW Form 44-A ¹		✓
Crash Packet ¹	✓	
Crash Prediction Analysis ¹		✓
Site Visit Attendee List	✓	
Environmental Desktop Review Form ¹	✓	
Multimodal Considerations & Recommendations ¹		✓
Existing Structure Summary ¹	✓	
Email or memo containing Structure Type Recommendations ¹	✓	
Email or memo containing Hydraulic Recommendations ¹	✓	
Hydraulic Data	✓	
Intersection and Interchange Evaluation (IIE) Analysis and Summary Form		✓
Traffic Analysis Summary/Tables	✓	
Forecasted Traffic Sheets ¹	✓	
Traffic Modeling (e.g., Synchro, VISSIM, Highway Capacity Software (HCS) Output) ¹	✓	
Signal Warrant ¹		✓
Lighting Warrant ¹		✓
Initial Risk Assessment using the Risk Assessment Form		✓
Final Interstate Access Request (IAR) Document and Memo with Letter from STID Director		✓
Road Safety Audit (RSA) No Plans ¹		✓

NA Justification

Several items are marked NA due to their lack or relevance given the schedule of this project and document type.

¹ External document to STID

Project Summary & Location Maps

(4 pages)

Project Summary

Smith County – I-40 Bridge Replacement/Rest Area Truck Parking Project Concept Report (L.M. 16.333/ L.M. 0.138) PIN 131552.01

Existing Route:

- Four Lane Divided (Depressed Median, Barrier Wall, Bifurcated) with 12' lanes, 10' outside and 4' inside shoulders. 1 Total Bridge (Six Lane Divided Median, Barrier Wall) with 12' lanes, 10' outside and 4' inside shoulders within Project Corridor.
- Speed Limit = 70 MPH
- Project Length = 0.92 Miles
- Crash History (10/31/2018 to 11/1/2021)

Crash Rates		
Type	I-40 Project Crash Rate	SW Average
Total	0.876	0.616
Fatal	0.000	0.007
Incapacitating Injury	0.000	0.028

- Traffic

Year	No Build				Build			
	I-40 EB Ramps		I-40 WB Ramps		I-40 EB Ramps		I-40 WB Ramps	
	AM	PM	AM	PM	AM	PM	AM	PM
2026 (45,710 AADT)	C / C	C / C	C / B	C / C	B / B	C / B	B / B	B / B
2046 (59,420 AADT)	D / C	D / D	D / C	D / C	C / C	D / C	C / C	C / C

Note: Off Ramp / On Ramp

Project History:

- 2022:
 - TDOT STID coordinated with Structures and Long-Range Planning to submit Rest Area Improvements (truck parking expansion, ramp improvements, and bridge replacements) for potential grant funding. STID developed site visit packet and presented alternatives to Structures, Region 3 Project Development & Operations, STID, and Region 3 Project Management. The Grant was awarded to TDOT and preliminary design activities started in 2023

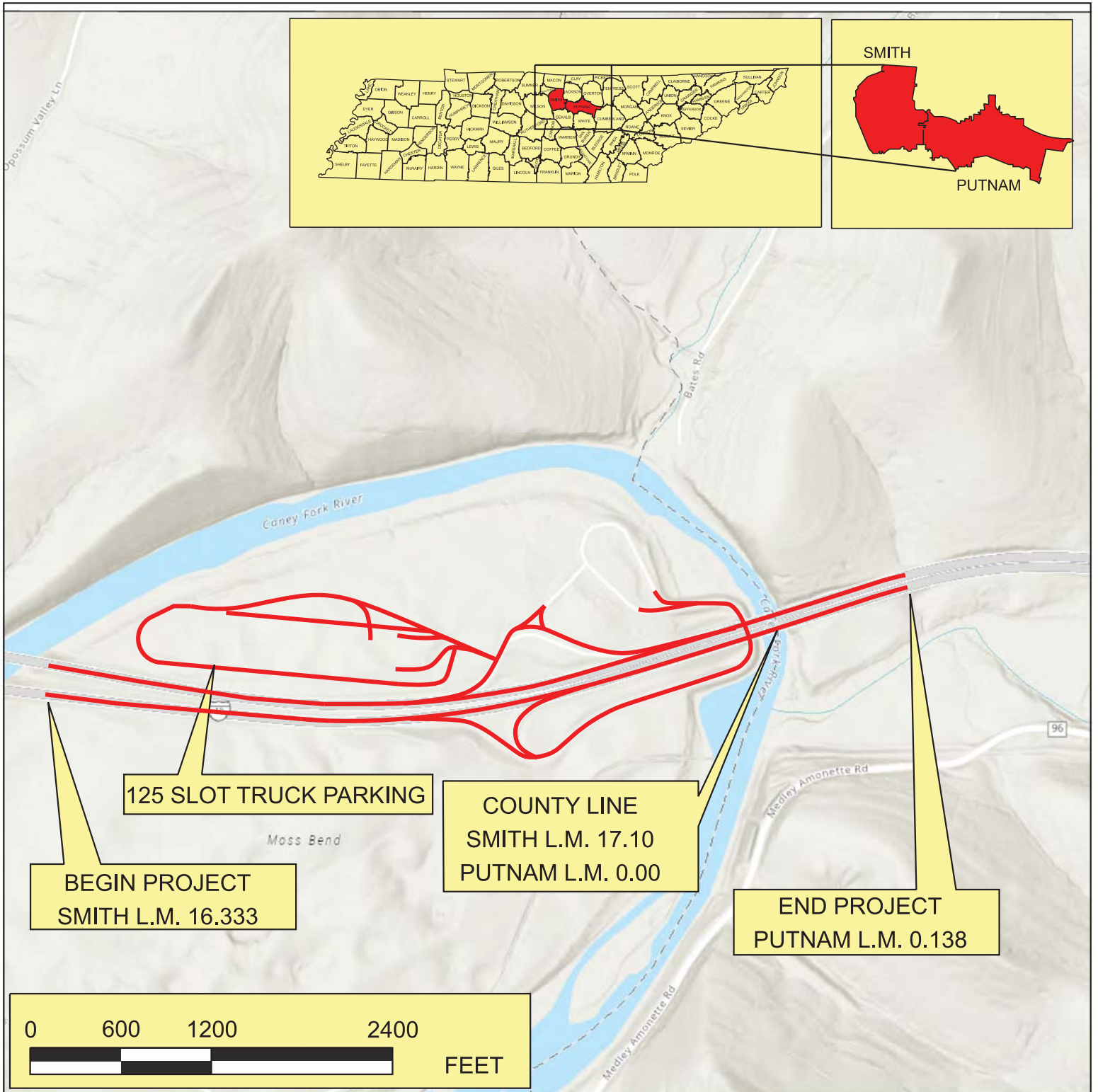
Current Proposed Improvements:

Current proposed improvements include a new truck parking area (approximately 125 bays) at the I-40 Rest Area, improvements to local traffic circulation around welcome center property, acceleration and deceleration length to current standards and replacement of twin bridges 80100400036 along I-40 EB & WB in Smith & Putnam County.

Project Status:

- TDOT received INFRA grant award letter in Fall 2023.
- Draft concept report submitted 12/19/2023
- Draft concept report comments received 4/10/2024
- Updated draft concept report submitted 4/30/2024
- USDOT & TDOT expect project funding to be obligated by September 30, 2025

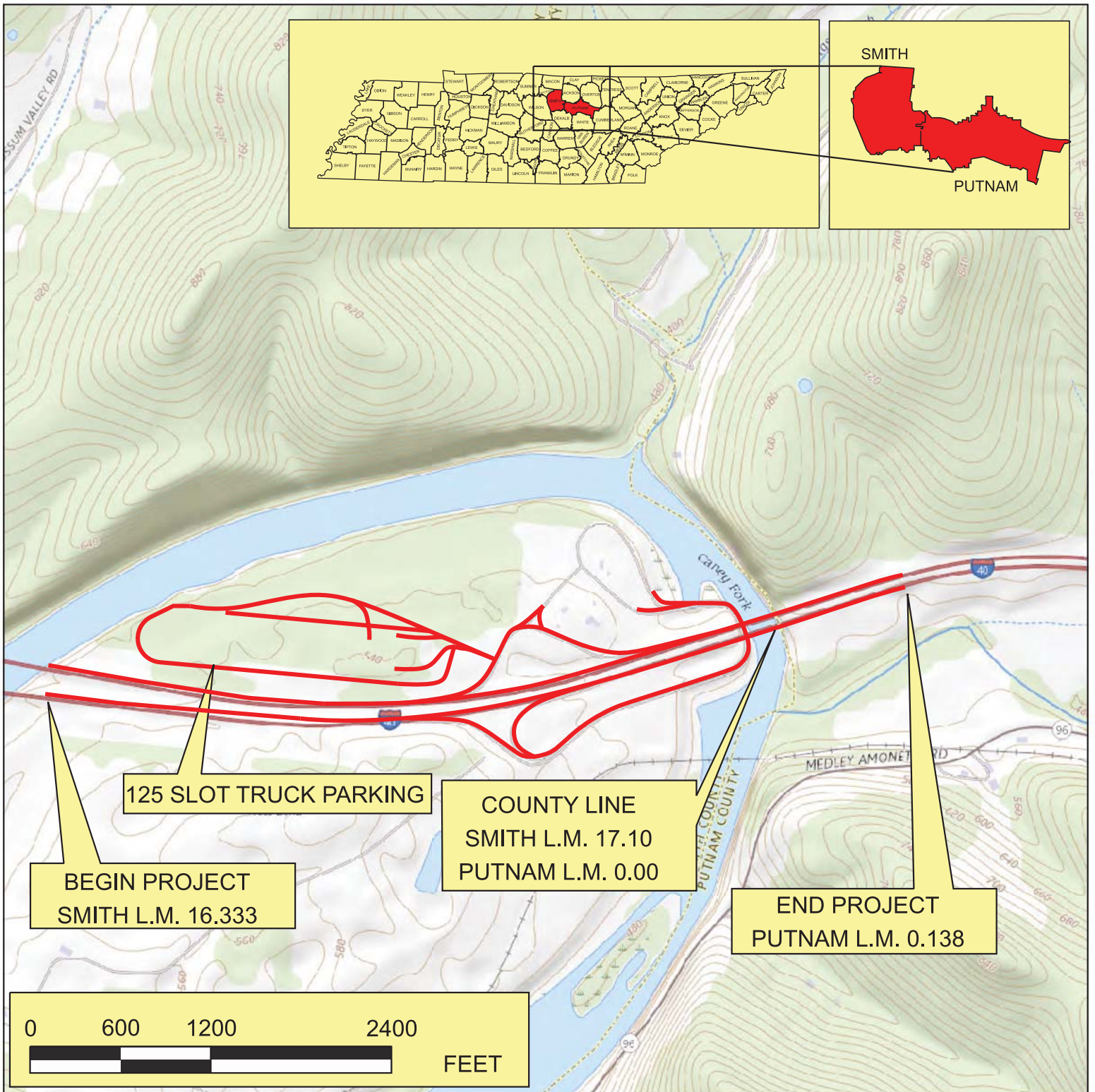




AREA MAP
INTERSTATE 40
FROM L.M.16.333
IN SMITH COUNTY
TO L.M. 0.138
IN PUTNAM COUNTY

PIN 131552.01

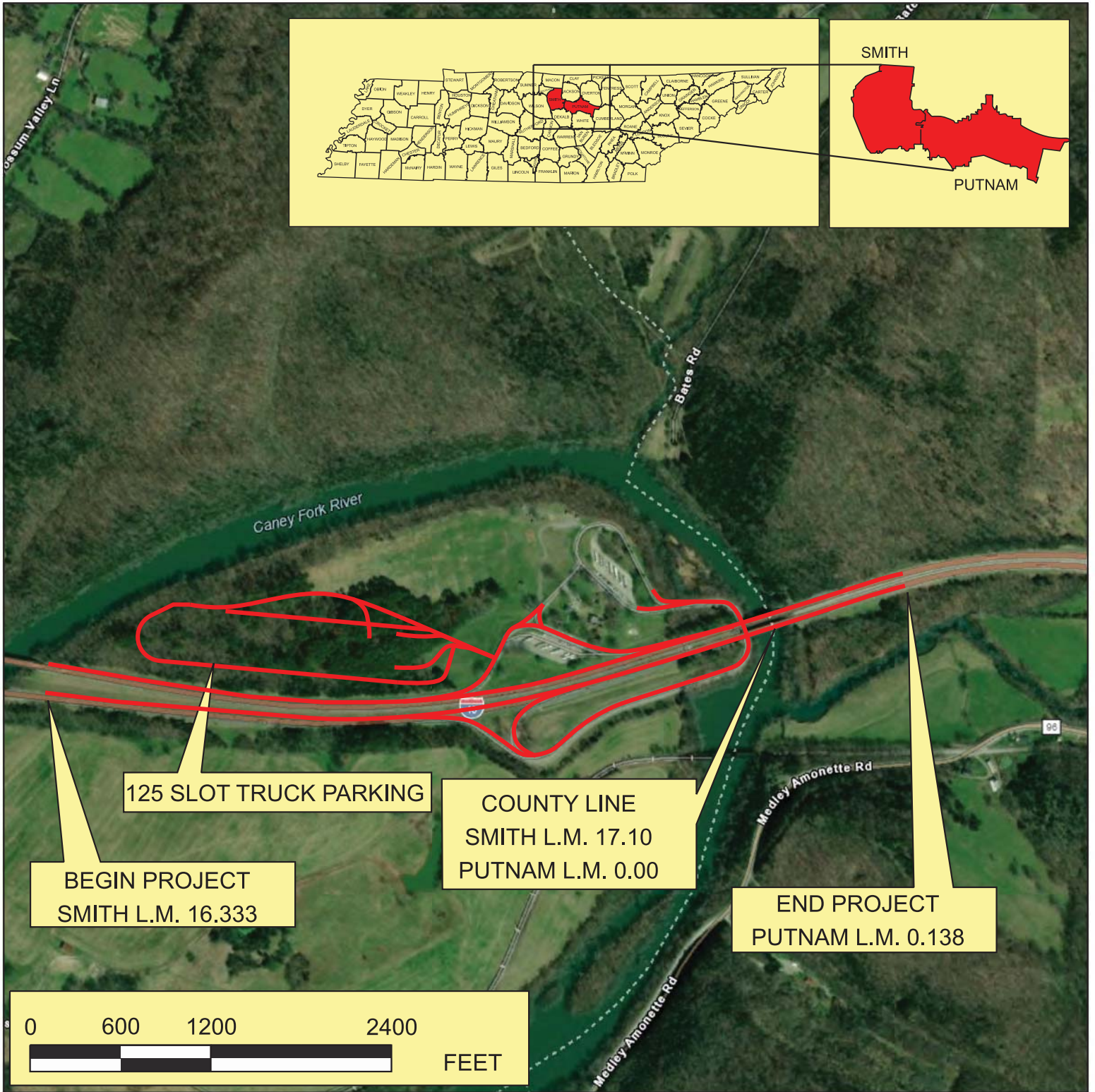




AREA MAP
INTERSTATE 40
FROM L.M.16.333
IN SMITH COUNTY
TO L.M. 0.138
IN PUTNAM COUNTY

PIN 131552.01





AREA MAP
INTERSTATE 40
FROM L.M.16.333
IN SMITH COUNTY
TO L.M. 0.138
IN PUTNAM COUNTY

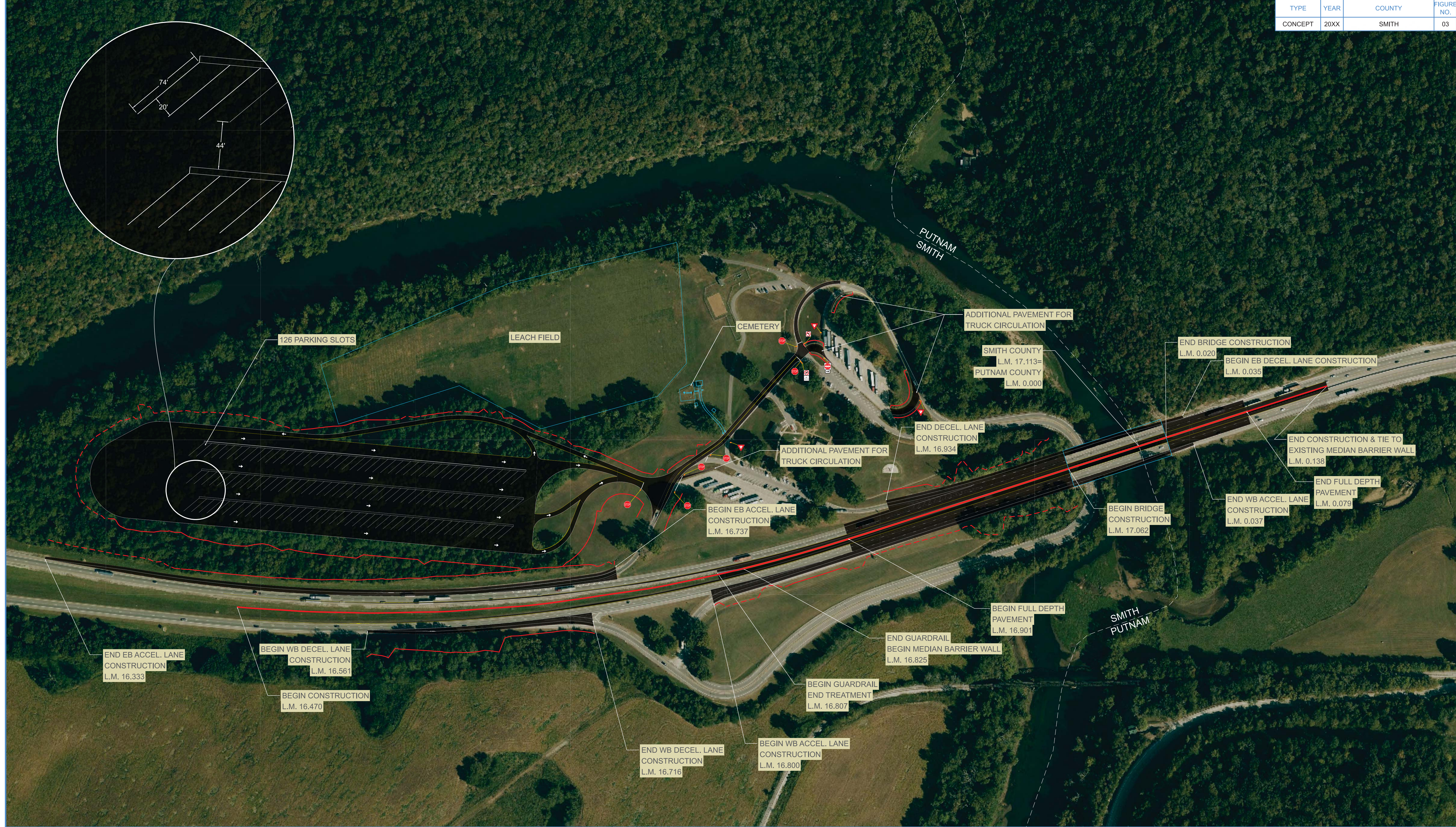
PIN 131552.01



Conceptual Layout
Typical Sections and
Environmental Technical Study Area (ETSA) Layouts
(4 pages)

6/18/2024 3:55:32 PM G:\TDOT STD ON-CALL CONTRACT\131552.00 SMITH COUNTY I-40\CAD\DES\131552.00 SMITH COUNTY I-40\CAD\DES\131552.00 STD_SHT_RESTAREA.DGN

TYPE	YEAR	COUNTY	FIGURE NO.
CONCEPT	20XX	SMITH	03



CONCEPT REPORT

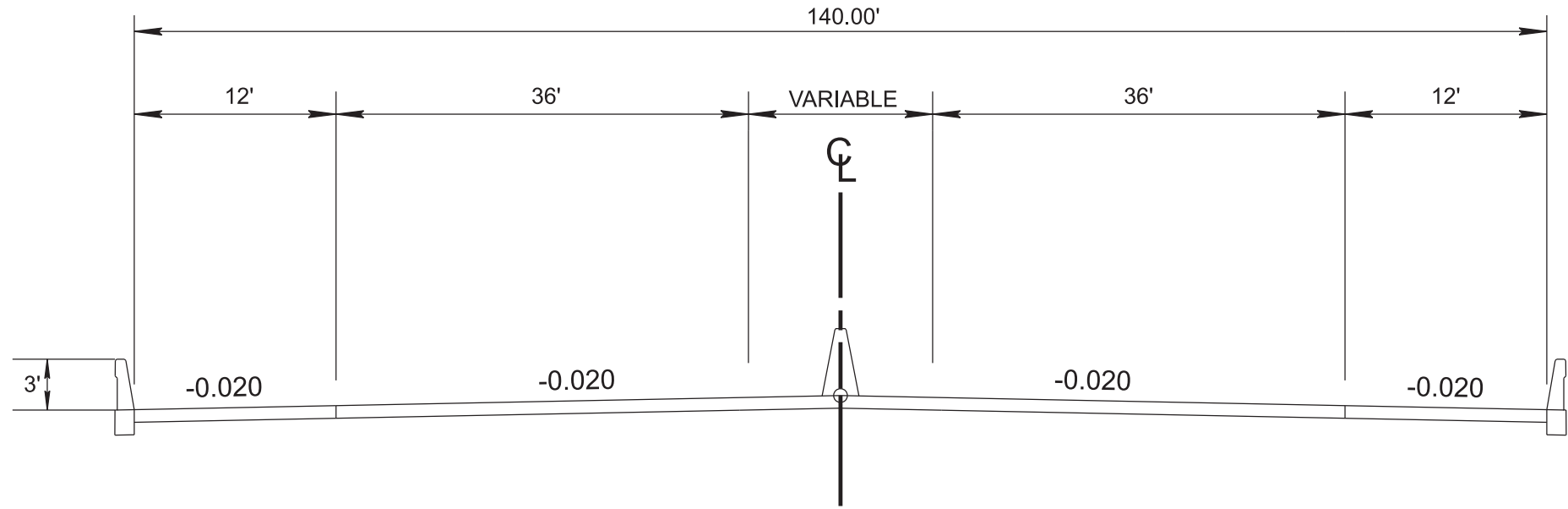
STATE ROUTE I-40
LOG MILE 16.333 TO LOG MILE 0.138
REST AREA RAMPS
SMITH COUNTY

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION
S.T.I.D.

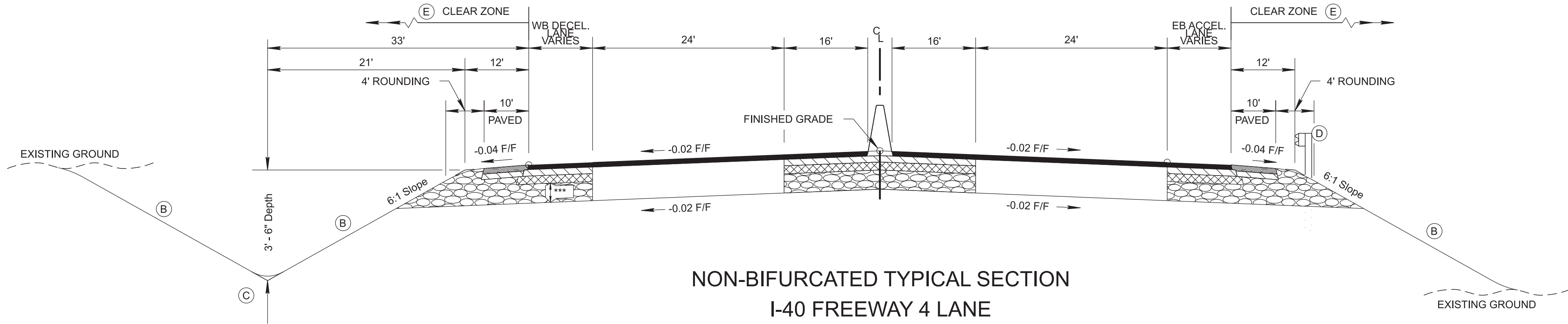
FIGURE 03
STATE ROUTE I-40
REST AREA RAMPS

4/29/2024 10:18:51 AM G:\TDOT STD ON-CALL CONTRACT\131552.01 SMITH COUNTY I-40 TECHNICAL REPORT\131552.01 SMITH COUNTY I-40 CAD\DES\131552.01-STD-TYPICAL SECTIONS.DGN

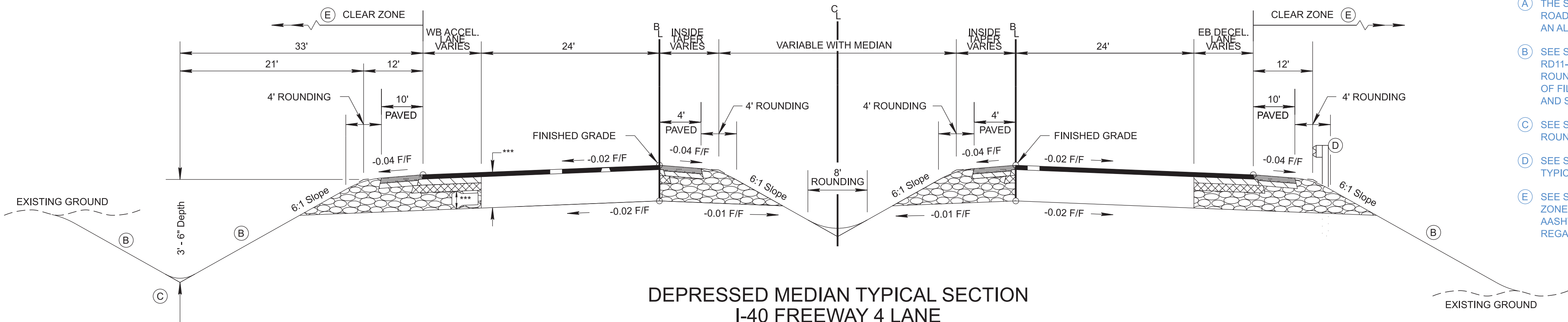
TYPE	YEAR	COUNTY	SHEET NO.
CONCEPT	20XX	SMITH	2B5
			000
			000



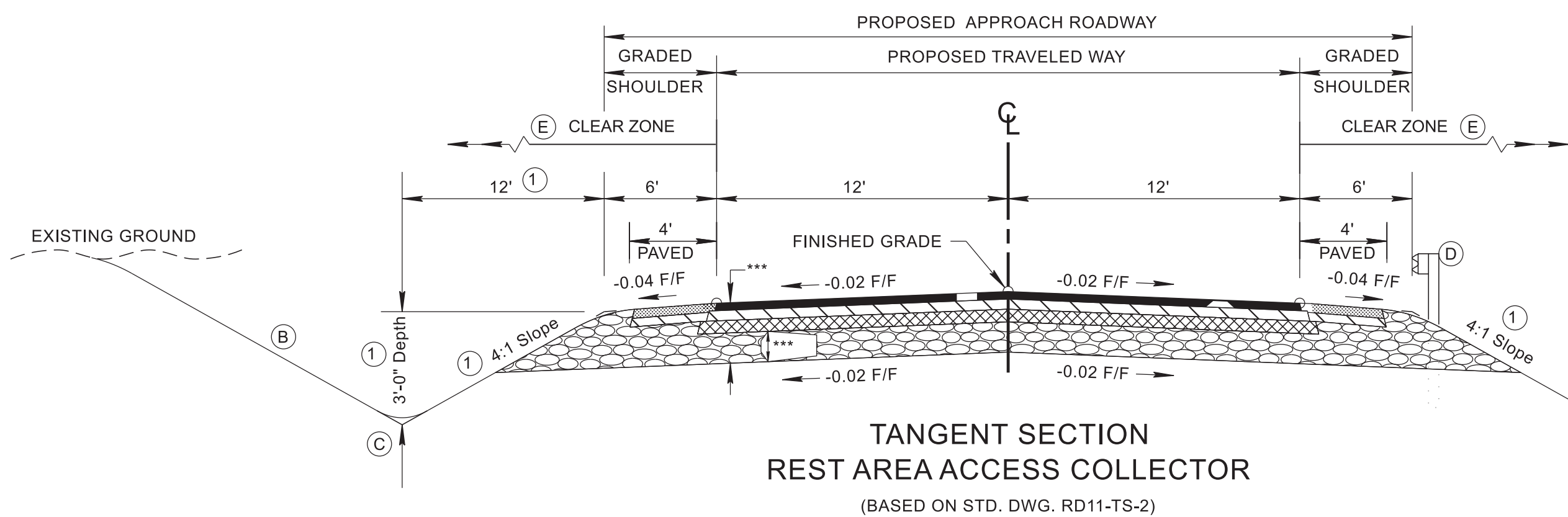
I-40 MEDIAN BARRIER
6 LANE BRIDGE DECK



- (A) THE SLOPE OF THE SHOULDER AND THE ROADWAY PAVEMENT SHALL NOT EXCEED AN ALGEBRAIC DIFFERENCE OF 7%.
- (B) SEE STANDARD DRAWINGS RD11-S-11 AND RD11-S-11B FOR FILL AND CUT SLOPE TABLES, ROUNDING ON TOP OF CUT SLOPES AND TOE OF FILL SLOPES, SPECIAL ROCK TREATMENT AND SUB GRADE ROUNDING IF APPLICABLE.
- (C) SEE STANDARD DRAWING RD11-S-11A FOR ROUNDING OF ROADSIDE DITCH SLOPES.
- (D) SEE STANDARD DRAWING S-PL-6 FOR TYPICAL GUARDRAIL PLACEMENT.
- (E) SEE STANDARD DRAWING S-CZ-1 FOR CLEAR ZONE CRITERIA. SEE THE "ROADSIDE DESIGN GUIDE", AASHTO, 2011, FOR FURTHER INFORMATION REGARDING CLEAR ZONES.
- (F) SEE STANDARD DRAWING NO. S-SSMB-2 FOR SINGLE SLOPE BARRIER WALL DETAILS.



- (A) THE SLOPE OF THE SHOULDER AND THE ROADWAY PAVEMENT SHALL NOT EXCEED AN ALGEBRAIC DIFFERENCE OF 7%.
- (B) SEE STANDARD DRAWINGS RD11-S-11 AND RD11-S-11B FOR FILL AND CUT SLOPE TABLES, ROUNDING ON TOP OF CUT SLOPES AND TOE OF FILL SLOPES, SPECIAL ROCK TREATMENT AND SUB GRADE ROUNDING IF APPLICABLE.
- (C) SEE STANDARD DRAWING RD11-S-11A FOR ROUNDING OF ROADSIDE DITCH SLOPES.
- (D) SEE STANDARD DRAWING S-PL-6 FOR TYPICAL GUARDRAIL PLACEMENT.
- (E) SEE STANDARD DRAWING S-CZ-1 FOR CLEAR ZONE CRITERIA. SEE THE "ROADSIDE DESIGN GUIDE", AASHTO, 2011, FOR FURTHER INFORMATION REGARDING CLEAR ZONES.



- (1) ADTS OVER 400 AND DESIGN SPEEDS OF 50 MILES PER HOUR AND GREATER SHALL REQUIRE 6:1 SLOPES. 6:1 Slope Require A 21' Ditch Width And A Depth of 3'-6". 4:1 Slope Require A 12' Ditch Width And A Depth of 3'-0".

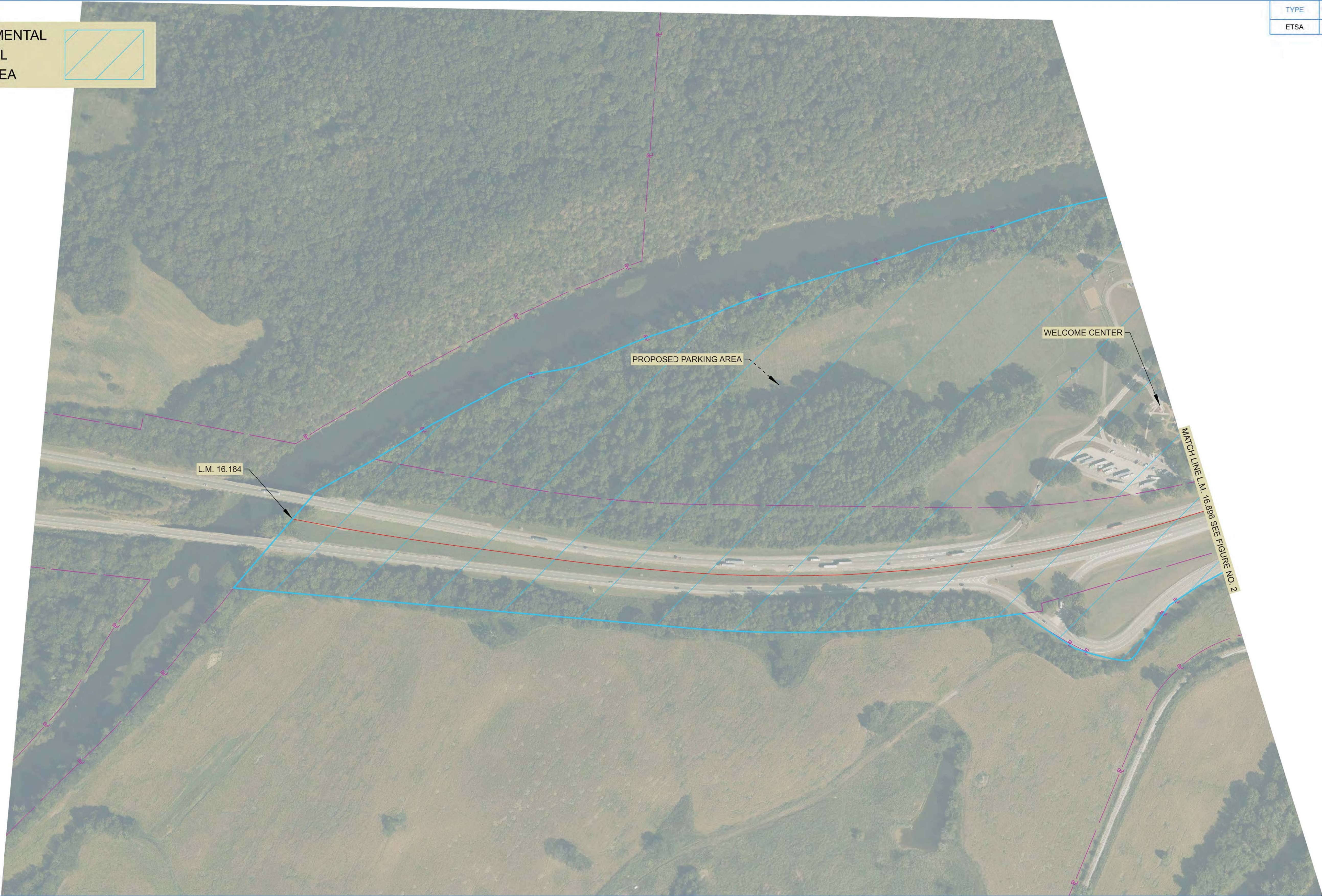
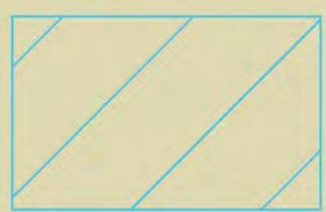
SEALED BY

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

TYPICAL
SECTIONS

TYPE	YEAR	COUNTY	FIGURE NO.
ETSA	2023	SMITH-PUTNAM	1

ENVIRONMENTAL
TECHNICAL
STUDY AREA



ENVIRONMENTAL TECHNICAL STUDY AREA

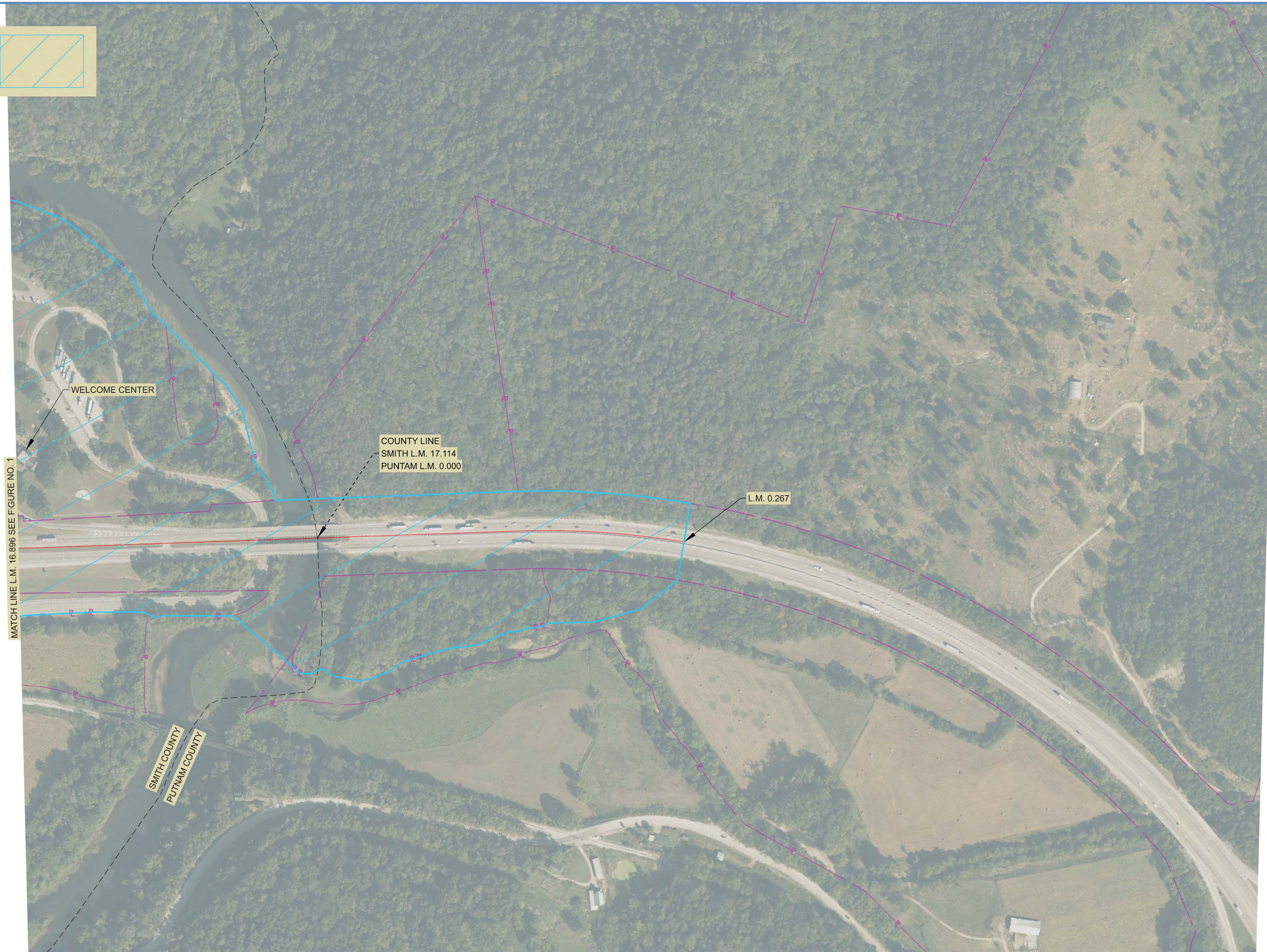
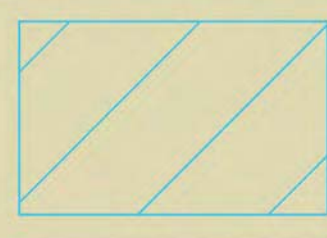
INTERSTATE 40
LOG MILE 16.184 TO LOG MILE 16.896
SMITH-PUTNAM COUNTY

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION
S.T.I.D.

FIGURE 1
INTERSTATE 40
LOG MILE 16.184
TO
LOG MILE 16.896

12/14/2023 11:20:39 AM G:\DOT STID ON-CALL CONTRACT\131552.00 SMITH COUNTY I-40 TECHNICAL REPORT\131552.00 SMITH COUNTY I-40 CAD\REST AREA\131552.00-STID-RESTAREA\ETSA.DGN

ENVIRONMENTAL
TECHNICAL
STUDY AREA



ENVIRONMENTAL TECHNICAL STUDY AREA

INTERSTATE 40
LOG MILE 16.896 TO LOG MILE 0.267
SMITH-PUTNAM COUNTY

TYPE	YEAR	COUNTY	FIGURE NO.
ETSA	2023	SMITH-PUTNAM	2

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION
S.T.I.D.

FIGURE 2
INTERSTATE 40
LOG MILE 16.896
TO
LOG MILE 0.267

Cost Estimates


(2 pages)

COST ESTIMATE SUMMARY

COST ESTIMATE SUMMARY					
Route:	I-40				
Termini:	L.M. 16.333 - L.M. 0.138				
Scope of Work:	Bridge Replacement, Accel./Decel. Lane Improvements				
Project Type of Work:	Bridge Replacement				
County:	Smith				
Length:	0.92	Miles			Estimate Developed By Initial/Organization
Date:	June 18, 2024				
Estimate Type:	Design-Build				
Years Inflated:	0				

DESCRIPTION	LOCAL	STATE	FEDERAL	TOTAL
	0%	0%	0%	
Construction Items				
Removal Items	\$0	\$0	\$0	\$304,000
Asphalt Paving	\$0	\$0	\$0	\$3,130,000
Concrete Pavement	\$0	\$0	\$0	\$0
Drainage	\$0	\$0	\$0	\$1,050,000
Appurtenances	\$0	\$0	\$0	\$489,000
Structures & Contingency	\$0	\$0	\$0	\$16,700,000
Fencing	\$0	\$0	\$0	\$0
Signalization & Lighting	\$0	\$0	\$0	\$0
Railroad Crossing	\$0	\$0	\$0	\$0
Earthwork	\$0	\$0	\$0	\$1,420,000
Clearing and Grubbing	\$0	\$0	\$0	\$0
Seeding & Sodding	\$0	\$0	\$0	\$118,000
Rip-Rap or Slope Protection	\$0	\$0	\$0	\$47,100
Guardrail	\$0	\$0	\$0	\$108,000
Signing	\$0	\$0	\$0	\$23,400
Pavement Markings	\$0	\$0	\$0	\$83,600
Maintenance of Traffic	\$0	\$0	\$0	\$272,000
Construction Lines and Stakes	\$0	\$0	\$0	\$403,000
DESIGN-BID-BUILD & DESIGN-BUILD PERCENTAGES				
Mobilization	10%	\$0	\$0	\$2,370,000
Additional Items	20%	\$0	\$0	\$4,750,000
Const. Contingency (Structures Not Included)	30%	\$0	\$0	\$4,250,000
Const. Eng. & Inspec.	15%	\$0	\$0	\$5,270,000
Construction Estimate - DBB & DB		\$0	\$0	\$40,800,000
Right-of-Way & Utilities				
	0%	0%	0%	TOTAL
Right-of-Way		\$0	\$0	\$0
Utilities		\$0	\$0	\$0
Preliminary Engineering				
	0%	0%	0%	TOTAL
Prelim. Eng. (Design-Build) 10.0%		\$0	\$0	\$4,080,000
Design-Build Project Cost		\$0	\$0	\$ 44,900,000
ESTIMATE REVIEW TEAM				
Review Process Applies to Bridge, Legislative, and Economic Development Projects				
	ROLE	NAME/ORGANIZATION	DATE COMPLETED	
Primary Cost Estimate (Before Draft Report):				
Independent Cost Estimate:				
Manager Review:				
QA/QC performed by:				

COST ESTIMATE SUMMARY

COST ESTIMATE SUMMARY				
Route:	I-40 Rest Area			
Termini:	L.M. 16.333 - L.M. 0.138			
Scope of Work:	Rest Area New Construction			Estimate Developed By Initial/Organization
Project Type of Work:	Construction-New			
County:	Smith			
Length:	1.19 Miles			
Date:	June 18, 2024			
Estimate Type:	Design-Build			
Years Inflated:	0			
DESCRIPTION	LOCAL	STATE	FEDERAL	TOTAL
	0%	0%	0%	
Construction Items				
Removal Items	\$0	\$0	\$0	\$88,100
Asphalt Paving	\$0	\$0	\$0	\$852,000
Concrete Pavement	\$0	\$0	\$0	\$13,200,000
Drainage	\$0	\$0	\$0	\$434,000
Appurtenances	\$0	\$0	\$0	\$0
Structures & Contingency	\$0	\$0	\$0	\$0
Fencing	\$0	\$0	\$0	\$0
Signalization & Lighting	\$0	\$0	\$0	\$59,800
Railroad Crossing	\$0	\$0	\$0	\$0
Earthwork	\$0	\$0	\$0	\$2,990,000
Clearing and Grubbing	\$0	\$0	\$0	\$74,700
Seeding & Sodding	\$0	\$0	\$0	\$42,800
Rip-Rap or Slope Protection	\$0	\$0	\$0	\$0
Guardrail	\$0	\$0	\$0	\$60,700
Signing	\$0	\$0	\$0	\$17,800
Pavement Markings	\$0	\$0	\$0	\$203,000
Maintenance of Traffic	\$0	\$0	\$0	\$216,000
Construction Lines and Stakes	\$0	\$0	\$0	\$350,000
DESIGN-BID-BUILD & DESIGN-BUILD PERCENTAGES				
Mobilization	10%	\$0	\$0	\$1,820,000
Additional Items	20%	\$0	\$0	\$3,650,000
Const. Contingency (Structures Not Included)	30%	\$0	\$0	\$7,110,000
Const. Eng. & Inspec.	15%	\$0	\$0	\$4,620,000
Construction Estimate - DBB & DB		\$0	\$0	\$35,800,000
Right-of-Way & Utilities	LOCAL	STATE	FEDERAL	TOTAL
	0%	0%	0%	
Right-of-Way	\$0	\$0	\$0	\$0
Utilities	\$0	\$0	\$0	\$0
Preliminary Engineering	LOCAL	STATE	FEDERAL	TOTAL
	0%	0%	0%	
Prelim. Eng. (Design-Build) 10.0%	\$0	\$0	\$0	\$3,580,000
Design-Build Project Cost	\$0	\$0	\$0	\$ 39,400,000
ESTIMATE REVIEW TEAM				
Review Process Applies to Bridge, Legislative, and Economic Development Projects				
ROLE	NAME/ORGANIZATION		DATE COMPLETED	
Primary Cost Estimate (Before Draft Report):				
Independent Cost Estimate:				
Manager Review:				
QA/QC performed by:				

Crash Packet
Crash Prediction Analysis
(4 pages)

TENNESSEE DEPARTMENT OF TRANSPORTATION

COUNTY	= SMITH		Date:	4/26/2024
Route	= I-40			
Location	= MM 16.333 - MM 0.138			
Highway Type	= Freeway			
FUNCTIONAL CLASS	= RURAL INTERSTATE			
DATA YEARS	= OCT 31 2018- NOV 1 2021			
ADT YEARS USED	= 2020 ETRIMS (GROWN FROM 2019)			
COMMENTS	=			
ANALYZED BY	= HMB			
SECTION = MORE THAN 0.10 MILE / SPOT= LESS THAN OR EQUAL TO 0.10 MILE				
	BLM	ELM	Length	Average AADT
	16.333	17.113	0.780	41,207
	17.113	17.193	0.138	41,207
	0.000	0.000	0.000	0
	0.000	0.000	0.000	0
	0.000	0.000	0.000	0
	0.000	0.000	0.000	0
	0.000	0.000	0.000	0
	0.000	0.000	0.000	0
			0.860	41,207
				35,438
<div style="display: flex; justify-content: space-between;"> <div> <p>INTERSECTION</p> <p>Log Mile =</p> <p>PRODUCED PURSUANT TO PUBLIC RECORDS REQUEST</p> <p>This document is covered by 23 USC §409 and its production pursuant to a public document records request does not waive the provisions of §409</p> </div> <div> <p>Leg</p> <p>North =</p> <p>East =</p> <p>South =</p> <p>West =</p> <p>Entering AADT = 0</p> <p>2020 Etrims (Grown From 2019)</p> </div> </div>				
<p>Freeway</p> <p>Oct 31 2018- Nov 1 2021</p>				
		Total	Fatal	Incap. Injury
No. of Crashes	=	34	0	0
No. of Years	=	3		
SW avg. rate	=	0.616	0.007	0.028
17-19 S/W Rates				
Exposure (E)	=	38.8046		
Crash Rate (A)	=	0.876	0.000	0.000
Critical Rate (C)	=	0.922		
Severity Index (SI)	=	0.0588		
Actual Rate/SW Average	=	1.42	0.00	0.00
Ratio of A/C	=	0.95		
<p>* Severe Crashes are the sum of fatal and incapacitating injury crashes</p>				
Revised 11/3/2009				
T.D.O.T. STRATEGIC TRANSPORTATION INVESTMENTS DIVISION (SAFETY DATA SECTION)				
Hmb				