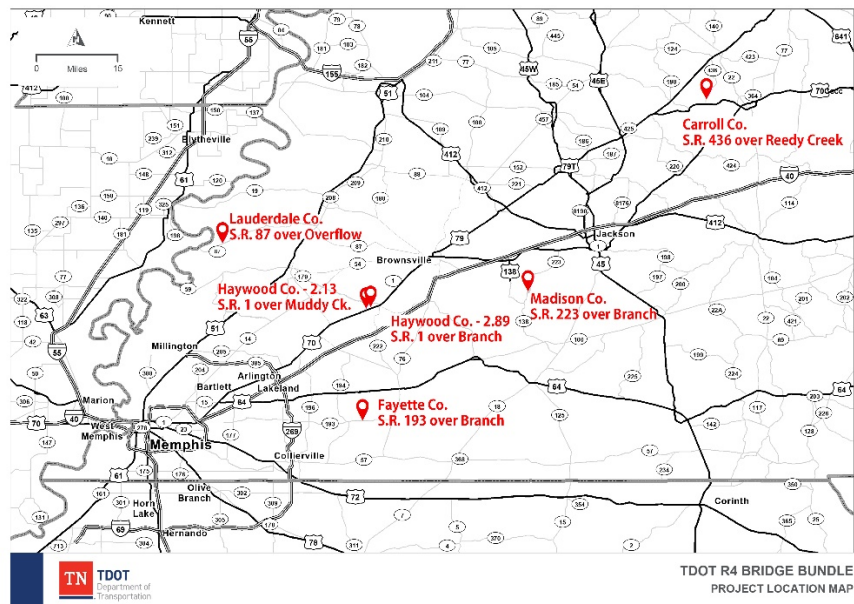


Pre- RFQ Contractor Review Meeting
For
Bridge Replacement Bundle, Region 4
Design-Build Project DB1901
(BR-STP-REG4(199), 98400-1216-94)
Carroll, Haywood, Madison, Fayette, and Lauderdale Counties
June 18, 2019, 10:00 am (C.T.) - 12:00pm (C.T.)
Region 4 Auditorium
300 Benchmark Place, Jackson, TN 38301



The Pre- RFQ Proposal meeting was held on June 18, 2019, at 10:00 am. (C.T.), TDOT Region 4 Auditorium. The meeting introduced attendees to the Design-Build Bridge Bundle contract delivery method prior to the release of the RFQ. The meeting gave an overview of the project as currently developed and the scope of work anticipated for the Design-Builder. It was noted that information was subject to change as functional plans and contract terms are finalized for release of the Request for Qualifications (RFQ) and the Request for Proposals (RFP). The TDOT Project Management team presented project information and answered questions. Information presented at the meeting is provided in this document along with answers to questions received at the meeting. For additional information, please see the [Project Web Site](https://www.tn.gov/tdot/tdot-construction-division/transportation-construction-alternative-contracting/bridge-replacement-bundle-region-4.html) at:

<https://www.tn.gov/tdot/tdot-construction-division/transportation-construction-alternative-contracting/bridge-replacement-bundle-region-4.html>

Bridge Replacement Bundle, Region 4
Design-Build Contract DB1901
(BR-STP-REG4(199), 98400-1216-94)
Carroll, Haywood, Madison, Fayette, and Lauderdale Counties

PROJECT DESCRIPTION

The Tennessee Department of Transportation (TDOT) Construction Division is proposing construction of a Design-Build Bridge Replacement Project for TDOT Region 4 (Project). The Project is considered a pilot project for bundling bridge improvements under one Design-Build Contract (BR-STP-REG4(199), 98400-1216-94). The Project consists of the replacement of six (6) bridges, which are located in the following Tennessee counties: Carroll, Fayette, Haywood, Lauderdale, and Madison. The work generally includes the design and construction of the replacement structures and associated roadway, drainage, and pavement approaches and transitions. The bridges to be replaced are listed below.

- Log Mile 0.68 of SR-436 (Reedy Creek Road) over Reedy Creek in Carroll County – The current sufficiency rating of the bridge (ID 09S821330001) is 47.1. The existing structure consists of a four-span bridge with pre-stressed concrete beams and reinforced concrete deck having two (2) 9-foot travel lanes.
- Log Mile 11.48 SR-193 (Macon Road) over Branch in Fayette County – The current sufficiency rating of the bridge (ID 24015420001) is 68.9. The existing structure consists of a two-span concrete channel beam bridge with timber substructures having two (2) 9-foot travel lanes.
- Log Mile 2.89 SR-1 (US-70/79) over Branch in Haywood County – The current sufficiency rating of the bridge (ID 38SR0010003) is 37.1. The existing structure consists of a single-span precast concrete slab bridge with two (2) 12-foot travel lanes.
- Log Mile 2.13 SR-1 (US-70/79) over Muddy Creek in Haywood County – The current sufficiency rating of the bridge (ID 38SR0010001) is 48.2. The existing structure consists of a two-span bridge with steel and concrete girders and reinforced concrete deck and two (2) 12-foot travel lanes.
- Log Mile 3.88 SR-87 over Overflow in Lauderdale County – The current sufficiency rating of the bridge (ID 49SR0870011) is 49.5. The existing structure consists of a single-span steel I-beam with timber deck and asphalt overlay having two (2) 10-foot travel lanes.
- Log Mile 2.28 SR-223 (Shady Grove Road) over Branch in Madison County – The sufficiency rating of the bridge (ID 57S81960003) is 27.4 (8/2017) and maintenance has replaced it with a temporary bridge. The original structure consisted of a single-span steel I-beam bridge with precast concrete deck panels having two (2) 9-foot travel lanes. The temporary bridge is a precast concrete slab.

Meeting Presentation Slides


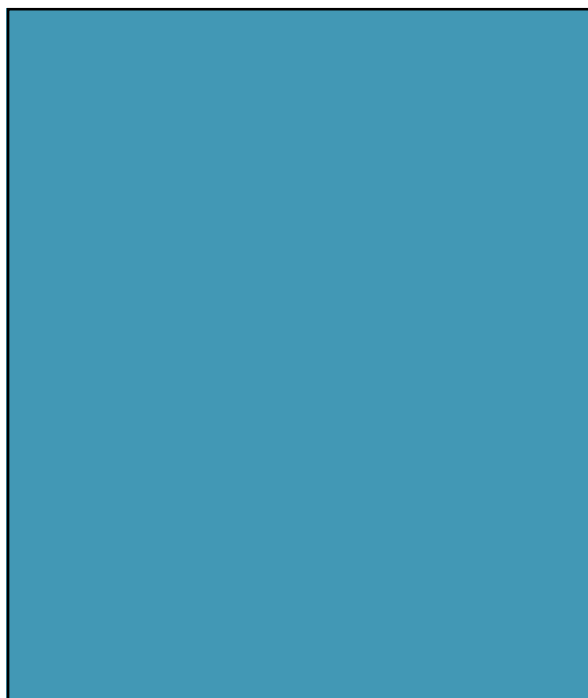


Bridge Replacement Bundle

Region 4 – DB1901



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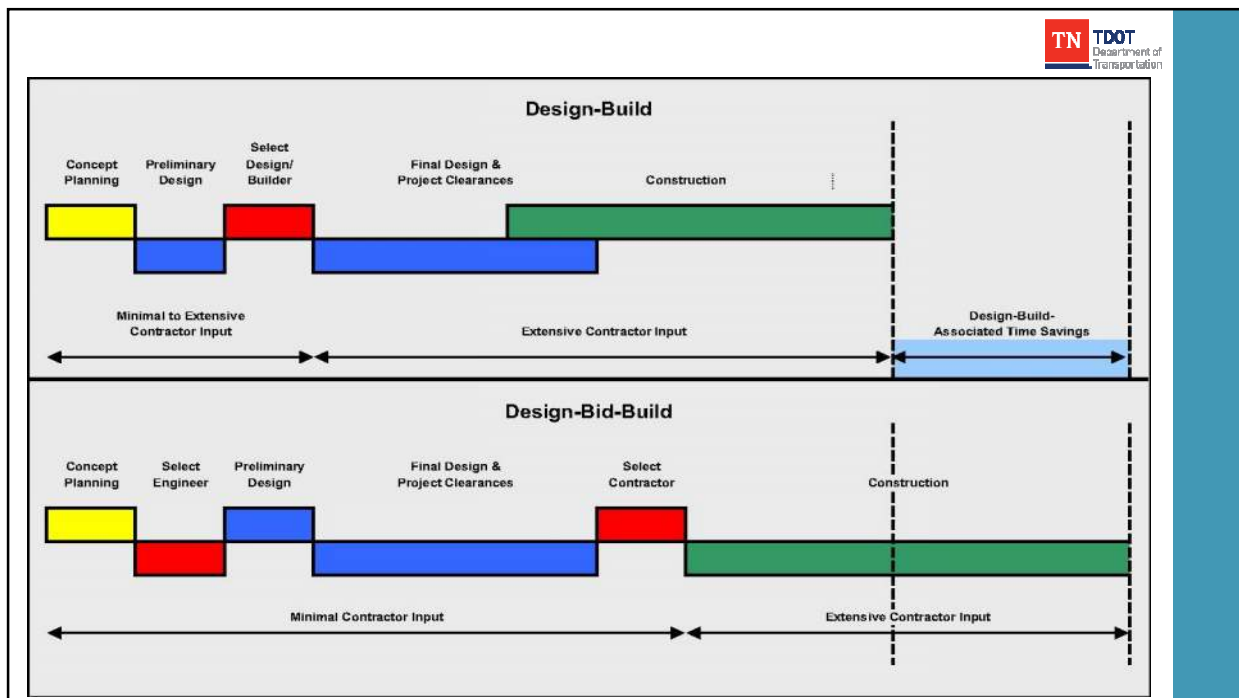
01 TDOT Design-Build Process

02 Project Specific Information
Note: Subject to Change



01 TDOT Design-Build Process





Request for Qualifications (RFQ)

- Solicitation of RFQ (website only); RFQ Package is only released by email request to Lia Obaid (Lia.Obaid@tn.gov).
- The RFQ will:
 - Be released prior to the conclusion of the NEPA review process, if necessary.
 - State the general status of the NEPA process.
 - Outline the tentative general scope, description, location, and anticipated procurement process.
 - State the evaluation criteria and scoring of the Statement of Qualifications (SOQs)
 - Outline the basic SOQ format, schedule, stipend amount, DBE goal, and selection method for the RFP.
- The SOQ submittal package in response to the RFQ will need to include:
 - A letter of interest.
 - Response to all categories and evaluation criteria for scoring.
 - A demonstration of the Design-Builder's strengths and specialized capabilities.



SOQ Scoring Criteria

- Design-Builder Experience
- Key Personnel and Organization
- Project Understanding and Approach
- Project Management Approach



Short-Listing

- TDOT will short-list at least three (if any) of the most qualified Design-Builders.
- TDOT will notify all teams submitting SOQs of their selection results.
- The short-listed firms will be posted to the project website.
- Short-listed Design-Builders will be invited to submit proposals in response to the RFP.



Request for Proposals (RFP)

- Approval of FHWA is required to release the RFP.
- Release of the RFP will be to the short-listed Design-Builder's by email.
- The RFP will further define the:
 - Contract requirements,
 - Proposal submittal instructions,
 - Scope of Work,
 - Project description and location,
 - Procurement schedule,
 - Specific evaluation criteria of the Technical Proposal,
 - Submittal criteria for the Price Proposal,
 - Selection method for the DB project, and
 - Stipend



Request for Proposals (RFP continued)

- The RFP Document Structure will include:
 - RFP Contract Book 1 (Instructions to Design-Builders - ITDB)
 - RFP Contract Book 2 (Design-Build Contract)
 - RFP Contract Book 3 (Project Specific Information)
 - Reference Documents, such as the Department's:
 - DB Standard Guidance and Addendum,
 - Standard Specifications,
 - Supplemental Specifications,
 - Design Guidelines, and Addendums,
 - Construction Circular Letters,
 - Standard Drawings, and
 - Other programmatic plans and reference documents.



Request for Proposals (RFP continued)

- The Design-Builder's Technical Proposal package will include:
 - Response to all categories of the evaluation criteria including the Technical Solution (Concept).
 - A clear demonstration of the Design-Builder's approach to:
 - Project Delivery,
 - Project Management,
 - Schedule Management,
 - Environmental Compliance,
 - Implementing Innovation, and
 - Considering Context Sensitive Solutions.
 - Oral Presentation/Interview.
 - Technical Proposals will be evaluated as Pass/Fail.
 - From passing Technical Proposals, Award of the Project will be to lowest Price Proposal (A + B Bidding).

02

Project Information

Note: Subject to Change



Identifying and Allocating Risk

- This will be one Design-Build Contract with Six (6) Project Sites.
- Issues related to this Design-Build contract to consider include:

Utility Relocations	NEPA Commitments	Stream/Wetland Mitigation
Right-of-Way Acquisition	Permit Requirements	Staged Construction/MOT
Seismic Design	Hydraulic Design	Railroad Agreement
Third Party Involvement	DB Contract terms	Public Involvement
CPM Scheduling	Liquidated Damages	Geotechnical Investigations

Scope of Work

- The Design-Builder's Scope of Work for the Project is anticipated to include, but not be limited to:
 - Final Design including Geotechnical Investigation,
 - Railroad Coordination and Insurance (for survey),
 - Removing and Replacing the Existing Bridge Structures,
 - Reconstruction of Roadway Approaches, as needed,
 - Erosion and Sediment Control,
 - Pavement Markings and Roadway Signing,
 - Providing for Maintenance of Traffic during construction,
 - Obtaining and meeting all requirements for Environmental Permits,
 - Compliance with all NEPA Commitments including mitigation design and construction,
 - Environmental Services and NEPA Document Reevaluation for Design-Builder changes, and
 - Right-of-way Acquisition.

Scope of Work



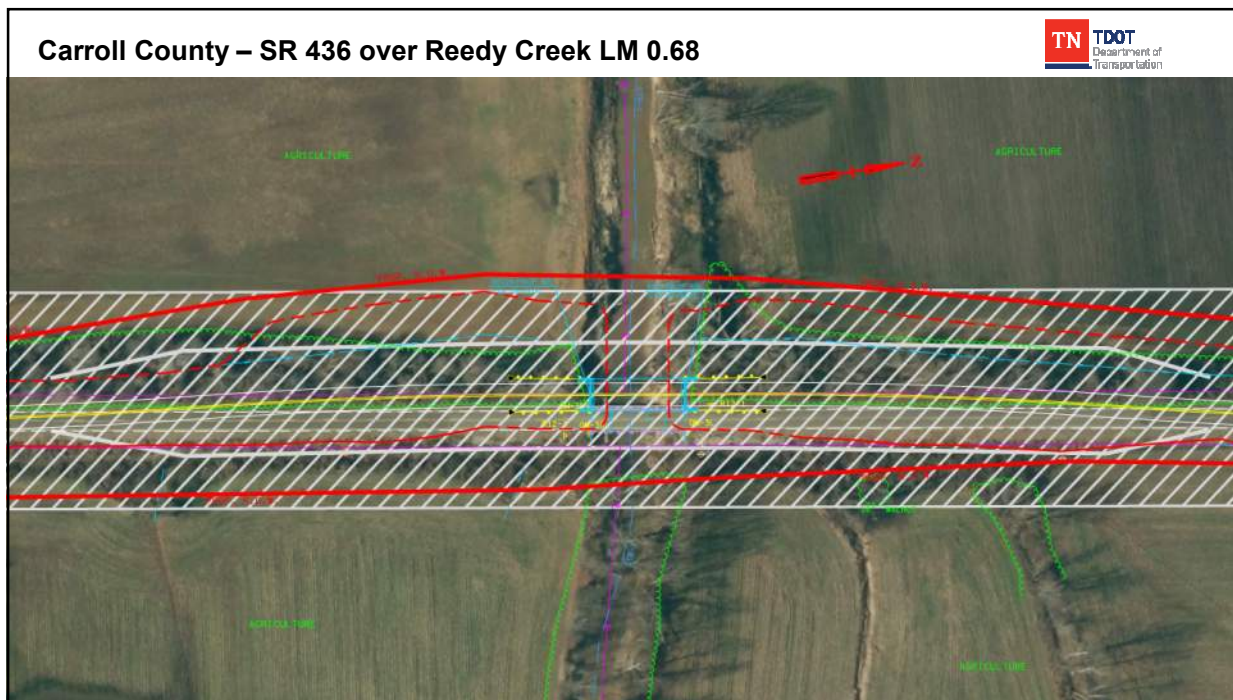
- TDOT's Scope of Work for the Project is anticipated to include but may not be limited to:
 - Utility Coordination for Chapter 86 Utility Relocations,
 - Railroad Coordination for access to railroad right-of-way (Haywood County), and
 - NEPA documentation for concept plans provided in the RFP.

NOTES:

1. The project is currently being re-evaluated for NEPA due to the changes in design since the TIR documents were prepared. The Re-evaluations will be complete prior to FHWA approval for issuing the RFP. Any further changes to design requiring NEPA re-evaluation, will be the responsibility of the Design-Builder.
2. No Alternate Technical Concepts requiring Design Exceptions will be allowed.

Carroll County – SR 436 over Reedy Creek, LM 0.68





Carroll County – SR 436 over Reedy Creek LM 0.68



TIR Comparison

TIR

- Design Speed - 50mph
- Typical: RD01-TS-2
- 2 Lanes @ 11' with 3' Shoulders
- Single Span 90' PS Girder
- 10' Alignment Shift
- ROW – 1.1 acres estimated
- MOT – One lane maintained with signal

Proposed

- Design Speed - 45mph
- Typical: RD11-TS-2
- 2 Lanes @ 11' with 4' Shoulders
- Single Span 90' PS Girder
- 24' Alignment Shift
- ROW – 4.2 acres estimated
- MOT – One 16' lane maintained with signal (limited closure and detour may be allowed)



Carroll County – SR 436 over Reedy Creek LM 0.68



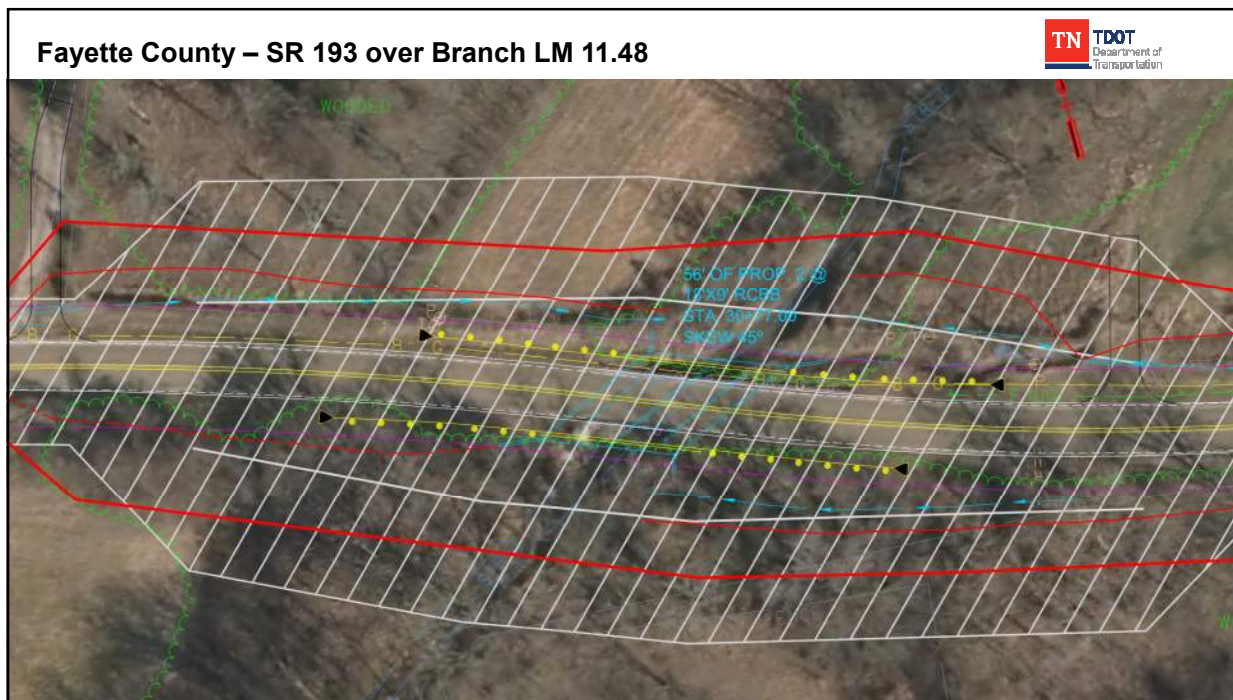
- Environmental Commitments
 - Seasonal Tree Removal for Bat Habitat
 - Cliff/Barn Swallows, Eggs, and Nests Disturbance Restrictions

- Utilities
 - OH Power (Carroll Co. Elec. Dept.)



Fayette County – SR 193 over Branch LM 11.48





Fayette County – SR 193 over Branch LM 11.48

TN TDOT
Department of
Transportation

TIR Comparison

<u>TIR</u>	<u>Proposed</u>
<ul style="list-style-type: none"> Design Speed - 50mph Typical: RD01-TS-2 2 Lanes @ 11' with 6' Shoulders Double 18'x6' RCBB ROW – 0.16 acres estimated MOT – One lane maintained with signal 	<ul style="list-style-type: none"> Design Speed - 45mph Typical: RD11-TS-2 2 Lanes @ 11' with 6' Shoulders Double 18'x9' RCBB ROW – 0.9 acres estimated MOT – One lane maintained with signal (however, closure and detour may be allowed)

Fayette County – SR 193 over Branch LM 11.48



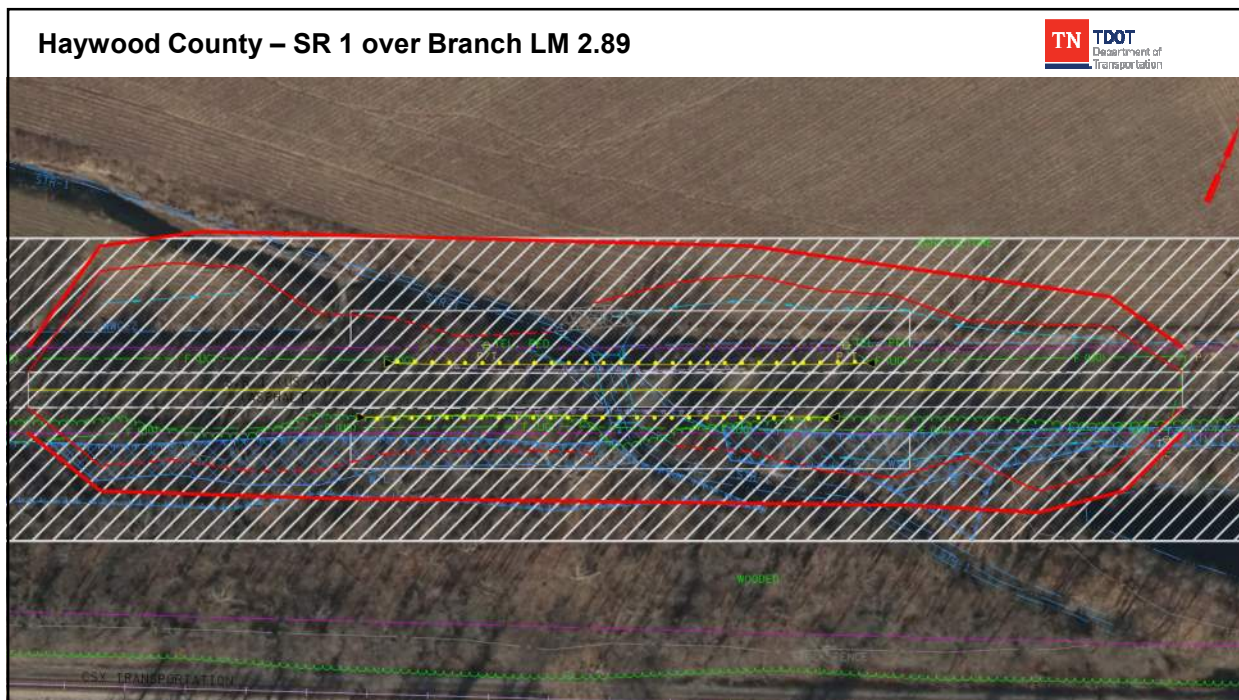
- Environmental Commitments
 - Cliff/Barn Swallows, Eggs, and Nests Disturbance Restrictions

- Utilities
 - Cable (AT&T)
 - Electric (Chickasaw Elec. Co-Op)
 - Gas (Somerville LG&W)
 - Telephone (AT&T)



Haywood County – SR 1 over Branch LM 2.89





Haywood County – SR 1 over Branch LM 2.89

TIR Comparison

<u>TIR</u>	<u>Proposed</u>
<ul style="list-style-type: none"> ▪ Design Speed - 55mph ▪ Typical: RD01-TS-3 ▪ 2 Lanes @ 12' with 8' Shoulders ▪ Double 18'x16' RCBB ▪ ROW – 0.3 acres estimated ▪ MOT – Detour 	<ul style="list-style-type: none"> ▪ Design Speed - 55mph ▪ Typical: RD11-TS-3 ▪ 2 Lanes @ 12' with 6' Shoulders ▪ Single 18'x16' RCBC ▪ ROW – 1.95 acres estimated ▪ MOT – One lane maintained with signal and closure is not allowed




Haywood County – SR 1 over Branch LM 2.89



- Environmental Commitments
 - Cliff/Barn Swallows, Eggs, and Nests Disturbance Restrictions
 - Also, Potential Wetland Impacts

- Utilities
 - Cable (AT&T)
 - Electric (Southwest Elec. Memb.)
 - Telephone (AT&T)
 - Water (Town of Mason)



Haywood County – SR 1 over Muddy Creek LM 2.13



Haywood County – SR 1 over Muddy Creek LM 2.13



Haywood County – SR 1 over Muddy Creek LM 2.13



TIR Comparison

TIR

- Design Speed - 55mph
- Typical: RD01-TS-3
- 2 Lanes @ 12' with 8' Shoulders
- Two Span 30'-40' PS Girder
- ROW – 0.3 acres estimated
- MOT – Detour

Proposed

- Design Speed - 55mph
- Typical: RD11-TS-3
- 2 Lanes @ 12' with 6' Shoulders
- Single Span 70' PS Girder
- ROW – 1.47 acres estimated
- MOT – One lane maintained with signal and closure is not allowed.



Haywood County – SR 1 over Muddy Creek LM 2.13



▪ Environmental Commitments

- None
- However, Potential Wetland Impacts & 303d List Stream

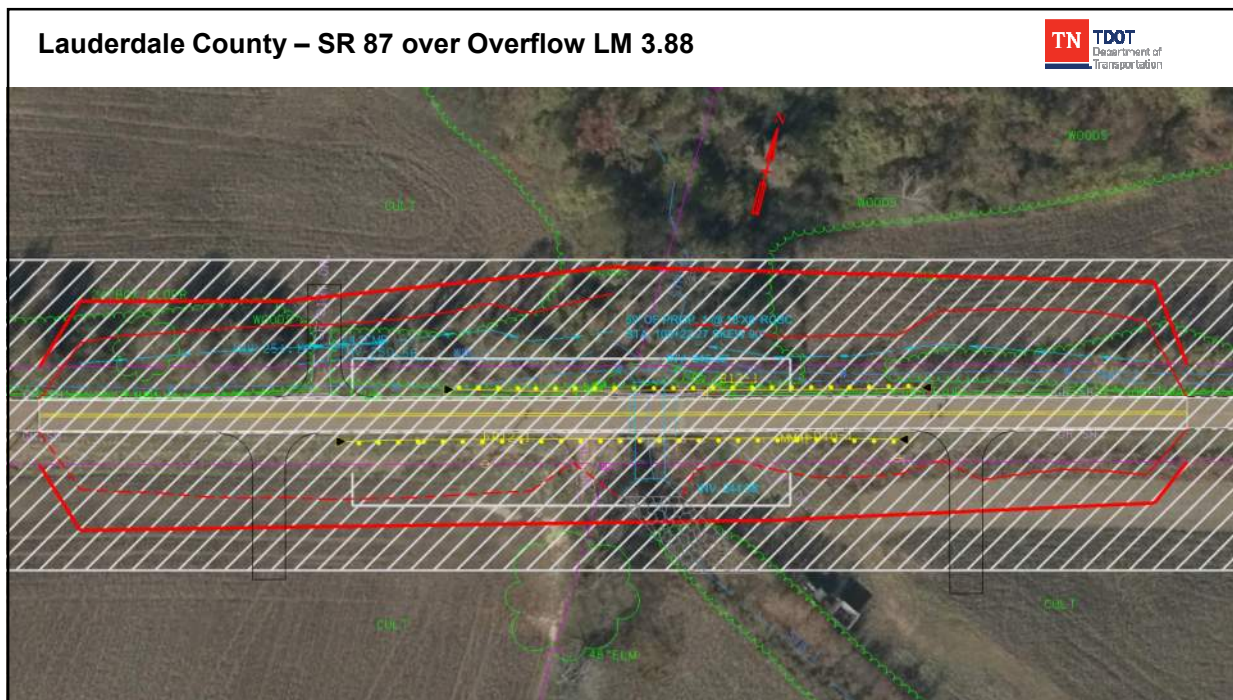
▪ Utilities

- Cable (AT&T)
- Electric (Southwest Elec. Memb.)
- Telephone (AT&T)
- Water (Town of Mason)



Lauderdale County – SR 87 over Overflow LM 3.88






Lauderdale County – SR 87 over Overflow LM 3.88

TIR Comparison

<u>TIR</u>	<u>Proposed</u>
<ul style="list-style-type: none"> ▪ Design Speed - 55mph ▪ Typical: RD01-TS-2 ▪ 2 Lanes @ 11' with 3' Shoulders ▪ Single Span 32' PS Girder ▪ ROW – 0.14 acres estimated ▪ MOT – One lane maintained with signal 	<ul style="list-style-type: none"> ▪ Design Speed - 55mph ▪ Typical: RD11-TS-2 ▪ 2 Lanes @ 11' with 4' Shoulders ▪ Single 18'x8' RCBC ▪ ROW – 1.3 acres estimated ▪ MOT – One 16' lane maintained with signal and closure is not allowed.

Lauderdale County – SR 87 over Overflow LM 3.88



- Environmental Commitments

- Seasonal Tree Removal (Bat Habitat)

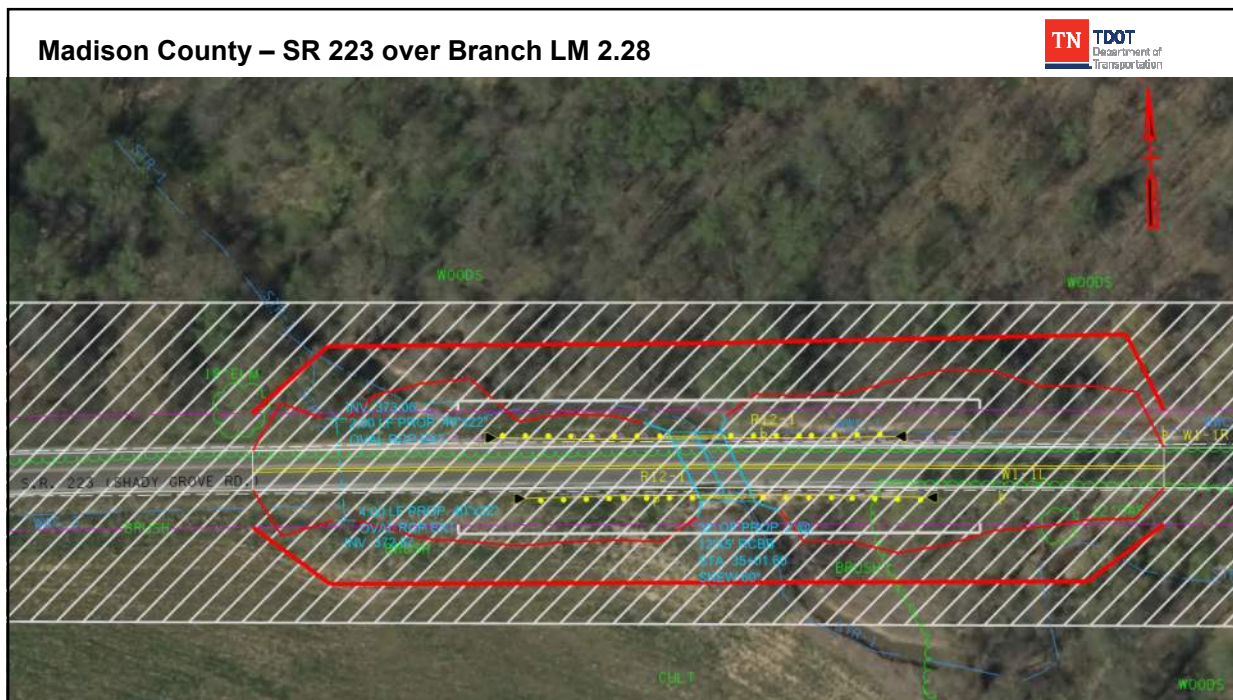
- Utilities

- Telephone (AT&T)
- Water (Lauderdale Co. Water Sys.)
- Electric (Southwest TN Elec. Membership Corp.)



Madison County – SR 223 over Branch LM 2.28





Madison County – SR 223 over Branch LM 2.28

TIR Comparison

<u>TIR</u>	<u>Proposed</u>
▪ Design Speed - 45mph	▪ Design Speed - 45mph
▪ Typical: RD01-TS-2	▪ Typical: RD11-TS-2
▪ 2 Lanes @ 11' with 3' Shoulders	▪ 2 Lanes @ 11' with 4' Shoulders
▪ Double 12'x5' RCBB	▪ Double 12'x5' RCBB
▪ ROW – 0.06 acres estimated	▪ ROW – 0.7 acres estimated
▪ MOT – Detour	▪ MOT – Detour (closure allowed)

Madison County – SR 223 over Branch LM 2.28



- Environmental Commitments
 - None
 - However, stream relocation with on-site mitigation

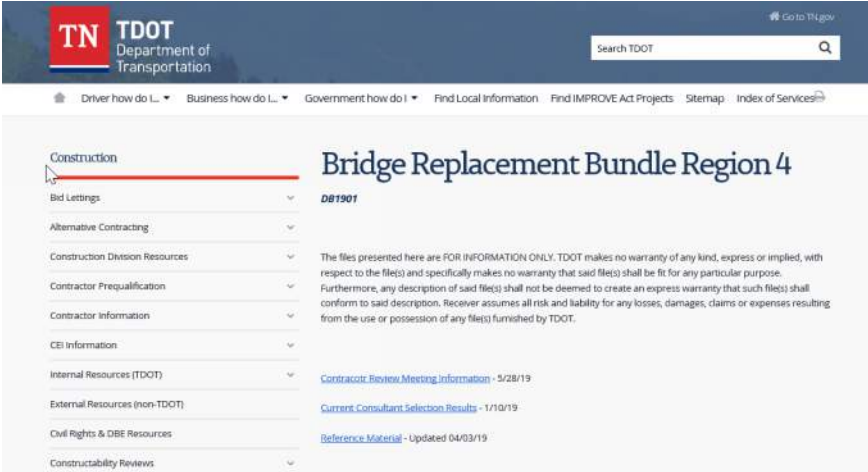
- Utilities - none



Design-Build Schedule



- | | |
|---|-------------------------|
| ▪ TDOT Issues Design-Build RFQ | ➤ Summer 2019 |
| ▪ Design-Builder's SOQ Due | ➤ 6 Weeks Following RFQ |
| ▪ TDOT Issue RFP to Shortlisted Design-Builders | ➤ Fall 2019 |
| ▪ TDOT to Award Design-Build Contract | ➤ Spring 2020 |



See Project Web Site for Information

- <https://www.tn.gov/tdot/tdot-construction-division/transportation-construction-alternative-contracting/bridge-replacement-bundle-region-4.html>

Questions?



R4BB Industry Review Meeting – Questions and Answers (Q&A)

1. Are Design-Builders precluded from contacting Utility owners that are potentially impacted by the project site?

The Design-Builders may contact private utility owners if necessary. However, no employee, member, or agent of any Design-Builder shall have communications regarding this procurement with any member of TDOT or the Federal Highway Administration (FHWA), their advisors, or any of their contractors or consultants involved with the procurement, except for communications to the Assistant Director of Construction, [Lia Obaid](#). Furthermore, to ensure that information is distributed equitably to all interested Design-Builders, Design-Builders (or any member of their team) shall not request information from other TDOT Divisions. Any Design-Builder engaging in such prohibited communications may be disqualified at the sole discretion of the Department.

2. Has the Right-of-way (ROW) been purchased for the project sites?

The ROW will be purchased after TDOT acceptance of the Definitive Design Plans provided by the contracting Design-Builder.

3. Have the existing bridges been evaluated for Asbestos Containing Material (ACM)?

Results of the phase 1 studies are contained in the NEPA documents for each bridge site and available on the [Project Web Site](#). No ACM was detected at the bridge sites during the phase 1 studies. Please see the NEPA documents posted on the [Project Web Site](#) for additional information and note that each site is currently being re-evaluated.

4. Will the Design-Builder provide full ROW acquisition services?

All services for acquiring ROW will be the responsibility of the Design-Builder except for condemnation, which will be provided by the State. See question 5 for more information.

5. Which party is responsible for writing the check for ROW and easement acquisition?

TDOT will pay the costs for purchasing ROW and easements, however, the Design-Builder will be responsible to provide (at their cost) all ROW acquisition services, such as appraisals, review appraisals, negotiations, relocations services, and all other services with the exception of those associated with condemnation.

6. Can bridge spans and culvert openings be modified from what is shown in the functional plans?

The Design-Builder can modify the structure type/span/etc. to give them the most economical solution at each site. Innovation is encouraged and is part of the RFP evaluation criteria. The Design-Builder will be responsible for meeting TDOT design guidelines and specifications outlined in the RFP. Any deviation from the design criteria or terms of the RFP will require an Alternate Technical Concept and TDOT approval. This process will be defined in the RFP.

7. The project will be awarded to Design-Builder with a passing technical proposal with the lowest price proposal using A+B bidding, is the “B” portion per site or per project?

The “B” portion of the bid will be based on the overall schedule. This will include ROW acquisition, Utility relocation, etc. Note: each site is anticipated to have its own Liquidated Damages for exceeding the site specific construction durations specified in the RFP.

8. Are there timeline restrictions on TDOT’s response to submitted ATC’s?

ATC’s will be submitted and evaluated prior to submittal of Design-Builder proposals. TDOT will hold one-on-one meetings with short listed teams to discuss design and ATC’s. ATC’s will be either accepted or denied at that time. ATC requirements and schedule, including deadline for TDOT response, will be further outlined in the RFP.

9. Has the stipend for this project been established?

The stipend amount is still being evaluated, but is expected to be relatively similar to the stipend valuation for the US-64 (SR-40) Bridge Design-Build, Polk County Project.

10. Have all Utility owners been notified of this project?

Early utility contacts have been made to utility owners.

11. Will any project sites require Public Involvement/Meeting?

Public Involvement requirements have not been fully defined for the project sites but it is anticipated to be a Design-Builder scope of work. See [TDOT Design-Build Guidance](#) for more information.

Meeting Sign-In Sheets



Region 4 Bridge Bundle Design-Build
 Pre-RFQ Industry Review Meeting
 Tuesday, June 18, 2019

HDR

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John Rehm	Arcadis	615 414 6299	johnrehm@arcadis.com
Jeff Alderson	SPELOR CONSTRUCTION	615 917 2233	jeffalderson@spelor.com
Matt Thomson	Thomson & Thomson, Inc.	731-668-1950	mthomson@tandthoridge.com
Shawn Sanders	TDOT	615-383-3420	shawn.sanders@tn.gov
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Will Davis	Demco	731-431-2175	will@demcoconstruction.com
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