

**Pre-Scoping Narrative  
NO UPC – Louisa County  
Rte. 617 over Wheeler Creek  
Superstructure replacement**

**Project No. :** 0617-054-6091  
**UPC:** None  
**Federal ID:** 11484  
**County:** Louisa County  
**Description:** Rte. 617 Superstructure Replacement  
**Location:** Rte. 617 over Wheeler Creek  
Latitude: 38° 00' 50" Longitude: -78° 09' 55.4"  
**Length:** Bridge ~ 18 ft; 50' of approach work each end



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**Project Purpose and Need**

The purpose and need for this project is to replace the existing superstructure on Rte. 617 (Green Springs Road) over Wheeler Creek. The Bridge has a sufficient rating of 63.9. The structure is currently posted at 12 Tons. The existing bridge is 18’-0” long and 14’-8¾” wide (out-to-out). The ADT in 2017 is 84 vpd.

**Project Description**

The intent of the project is to replace the existing superstructure with a new steel beam, timber deck superstructure. The timber Abutment will be widened to match the roadway width. This work will include minimal paving and guardrail on the roadway approaches if required. The work will be performed by state forces in the Spring 2025. The road will be closed for an estimated of 4 weeks. The project has State maintenance funding.

**PM Reminder**

RRR guidelines will be used. A statement from Resident Administrator citing the concurrence of the locality on the Department’s intent to replace the bridge with a structure width that is less than the designated width provided in the AASHTO manual “Policy on Geometric Design of Highways and Street”, is needed.

There will be no designated bicycle lanes, pedestrian path, or shared use paths for this project due to the scarcity of population, travel, and attractors, both existing and future.

The project will include the removal of the existing superstructure and timber abutment widening.

**Project Design Information**

- Geometrics – The proposed width is 16’-0” clear roadway, (RRR Guidelines).
- Hydraulics – Proposed HERS.
- Right of Way – Proposed construction on existing Right of Way.
- Environmental – No in-stream work anticipated. Tree cutting/trimming may be required.
- Traffic Engineering – Road closed during construction. Detour plan is required. Estimated detour length is 3.75 miles.
- Materials – No geology subsurface exploration will be performed.
- Bridge – Proposed steel beam, timber deck; 18’-0” long with 16’-0” clear roadway.
- Utilities – No utility conflict anticipated.
- Residency – The project will require concurrence from local government on the type of repair and road closure. Concurrence on Bicycle/Pedestrian recommendations is needed from the residency.

