

**Project STP-0003-00(771), PI # 0003771, Floyd County
Reconstruction of Existing Signalization at the Intersection of
SR 101 (E. 2nd Avenue) and East 9th Street**

Description of the proposed project

The proposed project consists of reconstructing the existing signalization at the intersection. Signs, poles, signal span, signal heads, controller cabinet, communication and pedestrian features would be included. For this description, SR 101 is considered the north-south street. The specific modifications to the existing conditions are listed below:

Signal Span/Operation:

- New box signal span.
- No signal phasing changes.
- New street name signs for all approaches.
- New setback detectors will be installed along SR 101.
- New stop bar detectors will be installed along E. 9th Street.

Poles:

- New signal pole on the NE corner in the grass near the sidewalk. Install pedestrian signals on the new signal pole.
- New signal pole on the SE corner in the grass near the sidewalk. Install pedestrian signals on the new signal pole.
- New signal pole on the SW corner in the grass at the top of the steps. Install new pedestrian pedestal and signals near the bottom of the steps.
- New signal pole on the NW corner in the grass near the sidewalk. Install pedestrian signals on the new signal pole.

Ramps/Crosswalks:

- Add crosswalks to all four (4) approaches to the intersection.
- Add pedestrian ramps on all four (4) corners.
- A raised concrete island will be installed on the SW corner on the 9th Street approach to allow for the pedestrian landing area. The pedestrian ramps will be constructed in the raised concrete island.
- A Pedestrian ramp will be installed on the SW corner to the west of the existing steps to connect the new raised concrete island (at street level) to the existing sidewalk (4.9 feet above street level). The pedestrian ramp will be approximately a 50 foot sidewalk connecting the raised concrete island to the sidewalk. The sidewalk will be cut into the embankment with a concrete 2 to 3 foot high retaining wall along most of its length. A metal hand rail will also be installed on the outside. No decorative treatment is intended to be utilized for the wall.

Cabinet:

- New base-mounted 332 cabinet on the NW corner in the grass.

Communication:

- Fiber optic trunk line aerial north along SR 101 to 8th Street.
- Aerial splice with drop fiber aerial to the new pole on the NW corner then underground to the new cabinet.