

CIP-13 – Livingston Street

Description

The proposed complete street project for Livingston Street is from the limits of Depot St to Victoria St. This project will be designed to reduce the traffic lane width, add sidewalk, add bike lanes, curb extensions, and incorporate three way STOPS at Victoria St and at Depot St. It also proposed to incorporate of a four way STOP at French Broad Street or construct a roundabout. Either of these could help address the sight distance concerns at this intersection. The project will also evaluate the McDowell/Victoria/Livingston intersection for signal and/or roundabout improvements. This section of road is 0.64 miles in length.

This cost estimate includes the basic cost for bike lanes, curb extensions, sidewalk and crosswalk infrastructure. Roadway repaving and utility and drainage adjustments are not included. The proposed typical section is 5' bike lane, 11' travel lane, 11' travel lane, 5' bike lane and 8' parking, constructed within the 40' existing roadway width. The curb extensions are proposed at the intersections.

Budget Estimate:

- Roundabout – 2 roundabouts with 1 lane at \$1,370,000 each - \$2,740,000
- Curb extensions – 540 lf at \$14.50 per linear feet - \$7,830
- Landscape extensions - \$4,500
- 5 ft sidewalk – 0.32 miles at \$115,000 per mile - \$36,800
- Handicap ramps – 22 ramps at \$1,345 each - \$29,590
- 24" Zebra Striping (crosswalks) – 1152 lf at \$5.00 per lf - \$5,760
- Bike Lane Markings – 6760 lf at \$2.00 per lf - \$13,520
- Bike symbol – 34 at \$350 each - \$11,900
- Signs/poles (Stop, Pedestrian, Parking, Bike) – 52 at \$350 each - \$18,200
- Mobilization - \$7,000
- Contingency (20%) – \$573,620

Total budget estimate - \$3,450, 120 – with the two roundabouts

Total budget estimate - \$160,120 without roundabouts. Would still need to address site distance and traffic operations through the intersections.

Does not include utility adjustments or actual right-of-way cost.



● Roundabout ■ Curb Extension



Rendered by Engineering & Planning Resources