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APPENDIX C – SAMPLE COST ESTIMATES





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SAMPLE COST ESTIMATES

Preliminary opinion of probable costs for recommended pedestrian projects in this Plan are provided in this appendix. These costs are rough estimates based on the Federal Highway Administration¹ and similar projects recently implemented. The listed cost estimates should be used as a planning guide and do not include extra costs such as land acquisition, utility relocation, roadway size, drainage, final materials used, grading, land clearing and demolition, professional engineering and surveying, inspection and legal and administration. These costs are not and should not be considered to be a substitute for professional engineering and surveying regarding actual costs of project construction.

Sidewalks

- Standard concrete curb and 5' sidewalk w/gravel base cost approximately \$77/linear foot and \$25/linear foot for walkways without curb
- Asphalt curbs and walkways are less costly but require more maintenance per year
- Concrete driveway replacement and repair approximately \$55 / linear foot
- Asphalt driveway replacement and repair approximately \$55 / linear foot

Multiple-Use Trails

- Town of Winterville, NC spending \$11.90 per linear feet for a 5 foot wide asphalt multi-use trail with 6 inches of CABC (2009)
- Warren County, NC sent \$ 14.11 per linear feet for a 5 foot wide asphalt multi-use trail with 6 inches of CABC (2006)

Pedestrian Crossings

- Regular striped crosswalk is approximately \$100 / each
- Ladder crosswalk is approximately \$300 / each
- Patterned (stamped or stained) concrete crosswalk is approximately \$3,000 / each
- Mid-Block crossing can range between \$4,000 - \$30,000
- ADA curb ramps is approximately \$1,000 / each
- Curb extensions range from \$2,000 - \$20,000 / corner, depending upon design and site conditions
- Raised crosswalk/speed table cost approximately \$15,000 - \$100,000 / each
- Raised intersection typically cost between \$25,000 - \$200,000 / each
- Pedestrian-activated signal range from \$20,00 – \$40,000 / each
- Fixed-time pedestrian signal cost \$40,000 - \$200,000 / each
- Attachments to a pedestrian signal head to assist impaired pedestrian range from \$30,000 - \$140,000 / signal
- NO TURN ON RED Signs range from \$30 - \$150 / each plus installation at \$200 / each
- Regulatory signs cost \$50 - \$150 / each plus \$150 / each in installation costs



Traffic Calming Devices

Speed Bumps

- Standard speed bump is approximately \$500 / each

Curb Extensions

- Concrete curb extension vary from \$2,000 to \$20,000 / corner, depending upon design and site conditions

Chicanes

- Landscaped chicanes cost approximately \$10,000 for a set of three on an asphalt street and \$15,000 - \$30,000 on a concrete street

Raised Median

- Raised median cost approximately \$15,000 - \$30,000 / 100 feet

Crossing Island/ Pedestrian Refuge Island

- Crossing island cost approximately \$6,000 - \$9,000 / island
- Raised concrete pedestrian refuge island with landscaping cost approximately \$10,000 - \$30,000 / each

Road Striping

- Adding striped shoulders or on-street bike lanes cost \$1,000 per mile if old paint does not need to be replaced
- Restriping a mile of street to bike lanes or reducing number of traffic lanes to add on-street parking cost approximately \$5,000 - \$20,000 depending upon the number of old lane lines to be removed

Streetscape Improvements

Lighting

- Varies depending upon type of light, location, and utility provider; however, costs usually starts at \$3,000 per fixture.

Landscaping

- Street trees (depending on foliage, type, and size) range from \$350 - \$500 / street tree
- Shrubs (depending on type) cost approximately \$50 - \$75 / each installed by a contractor

Street Furniture

- Depending upon type and material used.
- Benches typically range from \$1,300 – 2,500
- Trash receptacles range from 2,000 – 3,000

ⁱ Federal Highway Administration (FHWA) Pedestrian Safety, *Safer Journey Library*, October 2007, <http://safety.fhwa.dot.gov/saferjourney/library/matrix.htm>