

**D-3 Preliminary Estimates Section Transportation Costs****Annual Roadway Construction Cost****Revised DECEMBER 2014 TO 2015**

<b>LRE Project No.</b>	<b>Rural Roadway Arterial ( cost per mile )</b>	<b>Dec-15</b>
333301-1-52-07	New Construction ( 2-Lane Roadway ) 5' Paved Shoulders, undivided	\$1,904,448
333302-1-52-07	New Construction ( 4-Lane Roadway ) 5' Paved Shoulders, divided 40' Median, Lt & Rt T Lanes	\$4,389,885
333303-1-52-07	New Construction ( 6-Lane Roadway ) 5' Paved Shoulders, divided 40' Median, Lt & Rt T Lanes	\$5,325,818
333304-1-52-07	Milling and Resurfacing ( 2-Lane Roadway ) 5' Paved Shoulders, undivided	\$419,675
333305-1-52-07	Milling and Resurfacing ( 4-Lane Roadway ) 5' Paved Shoulders, divided 40' Median, Lt & Rt T Lanes	\$955,719
333306-1-52-07	Milling and Resurfacing ( 6-Lane Roadway ) 5' Paved Shoulders, divided 40' Median, Lt & Rt T Lanes	\$1,404,572
333307-1-52-07	Add 2 Lanes ( 2 to 4 ) Lanes divided with 5' Paved Shoulders (Includes milling and resurfacing of existing pavement) to Instrastate Standards, divided 40' Median, Lt & Rt T. Lanes	\$3,464,965
333308-1-52-07	Add 2 Lanes ( 4 to 6 ) Lanes with 5' Paved Shoulders (Includes milling and resurfacing of existing pavement) divided 40' Median, Lt & Rt T. Lanes	\$3,752,832
333309-1-52-07	Add 2 Lanes ( 6 to 8 ) Lanes with 5' Paved Shoulders (Includes milling and resurfacing of existing pavement) divided 40' Median, Lt & Rt T. Lanes	\$3,678,709
333310-1-52-07	Add 1 Through Lane 12' on Inside ( Resurface Existing ) with 5' Paved Shoulders	\$1,580,073
333311-1-52-07	Add 1 Through Lane on Outside ( Resurface Existing ) with 5' Paved Shoulders	\$1,118,195
333312-1-52-07	Add 300' Exclusive Left Turn Lane(Rural Typical resurface existng lanes)	\$194,267
333313-1-52-07	Add 300' Exclusive Right Turn Lane(Rural Typical resurface existng lanes)	\$168,094
<b>LRE Project No.</b>	<b>Urban Roadway Arterial ( cost per mile )</b>	
333314-1-52-07	New Construction ( 2-Lane Roadway ) 5' Sidewalk, and Curb & Gutter, undivided	\$3,472,511
333315-1-52-07	New Construction ( 4-Lane Roadway ) 5' Sidewalk, and Curb & Gutter, divided 22' median	\$6,093,541
333316-1-52-07	New Construction ( 6-Lane Roadway ) 5' Sidewalk, and Curb & Gutter, divided 22' median	\$7,136,816
333317-1-52-07	Milling and Resurfacing ( 4-Lane Roadway ) 5' Sidewalk, and Curb & Gutter, undivided, includes Lt & Rt T Lanes.	\$928,475
333318-1-52-07	Milling and Resurfacing ( 6-Lane Roadway ) 5' Sidewalk, and Curb & Gutter, undivided, includes Lt & Rt T Lanes.	\$1,136,658
333319-1-52-07	Add 2 Lanes ( 2 to 4 ) Lanes, 5' Sidewalk, and Curb & Gutter (Includes milling and resurfacing existing pavement) undivided, includes Lt & Rt T Lanes.	\$4,616,768
333320-1-52-07	Add 2 Lanes ( 4 to 6 ) Lanes, 5' Sidewalk, and Curb & Gutter (Includes milling and resurfacing existing pavement) undivided, includes Lt & Rt T Lanes.	\$4,062,830
333321-1-52-07	Add 2 Lanes ( 6 to 8 ) Lanes, 5' Sidewalk, and Curb & Gutter (Includes milling and resurfacing existing pavement) undivided, includes Lt & Rt T Lanes.	\$5,138,925
333322-1-52-07	Add 1 Through Lane on Outside ( To Existing ) with 5' Sidewalk, and Curb & Gutter	\$2,014,944
333323-1-52-07	Add 1 Through Lane on Inside ( To Existing ) with 5' Sidewalk, and Curb & Gutter	\$1,134,300
333324-1-52-07	Add 300' Exclusive Left Turn Lane	\$262,497
333325-1-52-07	Add 300' Exclusive Right Turn Lane	\$259,015

LRE Project No.	Rural Roadway Arterial ( Interstate ) ( cost per mile )		
333326-1-52-07	New 4-L interstate divided median 10' outside, 4' inside paved shlders		\$4,930,786
333328-1-52-07	Add 2 lanes ( 4 to 6 ) Interstate no Interchg or Struct., lanes inside 10' out 4' in shlders		\$4,761,220
333328-2-52-07	Add 2 lanes ( 6 to 8 ) Interstate no Interchg or Struct., lanes inside 10' out 4' in shlders		\$5,134,163
333329-1-52-07	Add 2 lanes ( 4 to 6 ) Interstate, widen 2 struct to inside, 10' out 4' in shlders, highmast		\$13,461,431
333329-2-52-07	Add 2 lanes ( 6 to 8 ) Interstate, widen 2 struct to inside, 10' out 4' in shlders, highmast		\$15,648,475
333330-1-52-07	Add 2 lanes ( 4 to 6 ) Interstate widen 3 Struct, widen lanes inside, 10' out 4' in shoulders		\$9,715,272
333330-2-52-07	Add 2 lanes ( 6 to 8 ) Interstate widen 3 Struct, widen lanes inside, 10' out 4' in shoulders		\$10,922,917
LRE Project No.	Interchange on Interstate ( cost per interchange )		
333331-1-52-07	Interstate Diamond Interchange		\$16,468,415
333332-1-52-07	Partial cloverleaf interchange with 2 loop ramps - Mainline over crossroad		\$32,591,741
333333-1-52-07	Rural Trumpet Interchange - Ramps over crossroad		\$16,423,515
LRE Project No.	Frontage Roads Rural ( cost per mile )		
333334-1-52-07	New Construction ( 1-Lane Roadway ) 1 - 12' lane		\$702,872
333335-1-52-07	New Construction ( 2-Lane Roadway ) 2 - 12' lanes		\$1,381,996
LRE Project No.	Roadway Traffic Signals ( Per Location / Intersection )		
333341-1-52-07	Strain Poles <b>Flashing Beacon</b> Rural 2 - lane undivided		\$30,277
333342-1-52-07	Strain Poles <b>Flashing Beacon</b> Urban 2 - lane undivided		\$43,769
333343-1-52-07	Strain Poles <b>Flashing Beacon</b> RURAL 4 - lane divided		\$54,432
333344-1-52-07	Strain Poles <b>Flashing Beacon</b> Urban 4 - lane undivided		\$63,337
333347-1-52-07	Mast Arms <b>Signals</b> URBAN 2 - Lane undivided		\$218,639
333348-1-52-07	Mast Arms <b>Signals</b> URBAN 4 - Lane divided		\$273,786
333349-1-52-07	Mast Arms <b>Signals</b> URBAN 6 - Lane divided		\$322,080
333350-1-52-07	Strain Poles <b>Signals</b> Rural 2 - lane undivided		\$103,687
333351-1-52-07	Strain Poles <b>Signals</b> Rural 4 - lane divided		\$173,358
333352-1-52-07	Strain Poles <b>Signals</b> Rural 6 - lane divided		\$228,590
333353-1-52-07	Strain Poles <b>Signals</b> Urban 2 - lane undivided		\$138,194
333354-1-52-07	Strain Poles <b>Signals</b> Urban 4 - lane divided		\$171,287
333355-1-52-07	Strain Poles <b>Signals</b> Urban 6 - lane divided		\$193,877
333356-1-52-07	Mast Arms <b>Signals</b> RURAL 2 - lane undivided		\$208,259
333357-1-52-07	Mast Arms <b>Signals</b> RURAL 4 - lane divided		\$266,299
333358-1-52-07	Mast Arms <b>Signals</b> RURAL 6 - lane divided		\$343,591
LRE Project No.	Roadway Bicycle and Pedestrian Facilities ( cost per mile, Sq. Ft., per Int )		
333360-1-52-07	Sidewalks Per Mile ( 5' Width - 1 Side )		\$198,398
333362-1-52-07	Sidewalks Per Mile ( 5' Width - Both Sides )		\$385,120
333363-1-52-07	Bike Lane Per Mile ( 5' Paved Shlders ) Both sides		\$183,265
333364-1-52-07	Multi-Use Trail Per Mile ( 12' Width - 1 Side ) off Roadway		\$424,374
333365-1-52-07	Pedestrian Activated Signal Per Intersection 4 - way		\$16,854
333366-1-52-07	Crosswalk per intersection 12" white stripe(Paint / Thermo) 5 - 12' lanes on all quadrants		\$2,593
333375-1-52-07	Pedestrian Overpass with Handicap Ramps per <b>Sq. Ft.</b>		\$225

LRE Project No.	Roadway Stormwater Retention Facilities ( Per Pond )		
333370-1-52-07	1 ( 1.0 Acre Pond Site ) complete with fencing		\$187,700
333371-1-52-07	1 ( 2.5 Acre Pond Site ) complete with fencing		\$298,843
333372-1-52-07	1 ( 5.0 Acre Pond Site ) complete with fencing		\$591,462

**NOTE:**

1. Present Day Cost, based on typical sections component and sub-component details, developed in the LRE system with current bid history

2. Unit prices based on current D-3 market area or county unit price at the pay item level.

3. These cost are not project specific, should be used for preliminary cost only.

4. **CEI is normally 15% of the Construction cost, (NOT INCLUDED).**

**District 3 Preliminary Estimates Section****Annual Bridge Cost Per Square Foot****Revised DECEMBER 2015****New Bridge Construction**

Low Level ( off system )

**Dec-15****\$135**

Low Level ( on system )

**\$130**

Medium Level ( off system )

**\$140**

Medium Level ( on system )

**\$135**

High Level ( on system )

**\$145**

Overpass ( Over Railroad)

**\$380**

Overpass ( Over Roadway )

**\$145**

Pedestrian Overpass (Ramps, Full enclosure, Design Build )

**\$225**

Bridge Removal of ( Existing Bridge )

**\$35****Bridge Widening**

Low Level

**\$140**

Mid Level

**\$140**

High Level

**\$205**

Overpass ( Over Roadway )

**\$175**

Bridge Removal ( Existing Bridge ) for widening

**\$75****NOTE:**

1. Present Day Cost, per square foot of deck area, developed in the LRE system with current bid history.

2. **Excluded** right-of-way cost, roadway approaches, no detour, no guardrail / thrie beam, no CEI.

3. Market trends impact cost for concrete and steel, labor and materials in the construction industry.

4. Costs developed for report are not site-specific and should be for preliminary estimating purposes only.

4. Phase construction add 25% to construction Costs.