APPENDIX C

Unit Cost Assumptions

INNOVATE PASCO 2050

UNIT COST ASSUMPTIONS

The Innovate Pasco 2050 Long Range Transportation Plan uses a cost per mile that originated with the Florida Department of Transportation's (FDOT) Cost Per Mile Model Reports. The table on the following pages outlines the cost per mile by project model. See the website for links to the accompanying reports for each cost estimate.

Below is the disclaimer from the FDOT website, which outlines additional considerations.

Disclaimer from the FDOT Website:

Cost per Mile (CpM) models are conceptual and posted for reference only. They have been created within the Long Range Estimating (LRE) application utilizing various Typical Sections available within LRE. Models are generic in nature, are modeled using formulas within LRE, and are not based on actual construction projects, past or present. Models presented may not match the scope, criteria, terrain, or other conditions of an actual construction project. They do not account for project-specific scope and characteristics, including, but not limited to the following:

- **Additional earthwork volumes beyond initial values for terrain or stormwater management facilities**
- **Structures**
- **Intersections**
- **Driveway connections**
- **Signalization**
- **Right-of-way**
- **Safety upgrades**

Project-specific characteristics must be considered when preparing estimates for construction projects. Unit Prices within the CPM models are quantity-weighted average awarded unit prices received in the previous approximate 18 months prior to updating the CPM model

Model	Cost Per Mile
Rural	
New Construction Undivided 2 Lane Rural Road with 5' Paved Shoulders: R01	$4,054,799.93
New Construction Undivided 3 Lane Rural Road with 5' Paved Shoulders, Center Turn Lane: R02	$4,864,537.52
New Construction Undivided 4 Lane Rural Road with 5' Paved Shoulders: R03	$5,706,368.51
New Construction Divided 4 Lane Rural Road with 2' Paved Shoulders Inside and 5' Paved Shoulders Outside: R04	$7,951,226.49
New Construction Divided 4 Lane Rural Interstate with Paved Shoulders 10' Outside and 4' Inside: R05	$10,097,170.21
New Construction Undivided 5 Lane Rural Road with 5' Paved Shoulders, Center Turn Lane: R06	$6,767,484.45
New Construction Divided 6 Lane Rural Road with 5' Paved Shoulders Inside and Out: R07	$9,608,322.81
New Construction Divided 6 Lane Rural Interstate with 10' Paved Shoulders Inside and Out: R08	$11,768,829.26
New Construction Extra Cost for 1 Single Additional Lane on Rural Arterial: R09	$869,856.58
New Construction Extra Cost for 1 Single Additional Lane on a Rural Interstate: R10	$1,017,259.79
Mill and Resurface 2 Lane Rural Road with 5' Paved Shoulders: R11	$725,185.30
Mill and Resurface 3 Lane Rural Road with 5' Paved Shoulders and Center Turn Lane: R12	$1,006,207.20
Mill and Resurface 4 Lane Rural Road with 5' Paved Shoulders: R13	$1,564,875.63
Mill and Resurface 4 Lane Divided Rural Arterial with 5' Outside Shoulders and 2' Inside: R14	$1,650,420.86
Mill and Resurface 4 Lane Divided Rural Interstate with Paved Shoulders 10' Outside and 4' Inside: R15	$1,900,930.32
Mill and Resurface 5 Lane Rural Road with 5' Paved Shoulders and Center Turn Lane: R16	$1,888,819.25
Mill and Resurface 6 Lane Divided Rural Arterial with 5' Paved Shoulders Inside and Out: R17	$2,353,319.54
Mill and Resurface 6 Lane Divided Rural Interstate with 10' Paved Shoulders Inside and Out: R18	$2,712,032.04
Mill and Resurface 1 Additional Lane Rural Interstate: R19	$446,396.49

Model	Cost Per Mile
Mill and Resurface 1 Additional Lane Rural Arterial: R20	$373,714.37
Widen Existing 2 Lane Arterial to 4 Lanes Undivided; Add 1 Lane to Each Side; 5' Paved Shoulders: R21	$4,225,423.96
Widen Existing 2 Lane Arterial to 4 Lane Divided; Resurface Existing 2 Lanes; 5' Paved Shoulders Inside and Out: R22	$5,088,776.22
Widen Existing 4 Lane Divided Arterial to 6 Lane Divided; Resurface Existing 4 Lanes; 5' Paved Shoulders Inside and Out: R23	$4,836,960.89
Widen 4 Lane Interstate to 6 Lanes (In Median); Mill and Resurface Existing; 10' Paved Shoulders Inside and Out: R24	$7,113,435.51
Widen 4 Lane Interstate to 6 Lanes (Outside); Mill and Resurface Existing; 10' Shoulders Outside; Widen Existing 4' Inside Shoulders to 10': R25	$6,668,747.14
Widen Existing 6 Lane Divided Arterial to 8 Lane Divided; Resurface Existing 6 Lanes; 5' Paved Shoulders Inside and Out: R26	$5,295,850.61
Widen 6 Lane Interstate to 8 Lanes (in Median); Mill and Resurface Existing; 10' Paved Shoulders Inside and Out: R27	$7,831,556.14
Widen Divided Rural 4-Lane to Allow for Left Turn Lane, 300': R28	$270,409.62
Widen Divided Rural 4-Lane for Right Turn Lane, 300': R29	$266,903.26
Urban	
New Construction 2 Lane Undivided Urban Arterial with 4' Bike Lanes: U01	$7,552,622.58
New Construction 3 Lane Undivided Urban Arterial with Center Lane and 4' Bike Lanes: U02	$8,417,953.54
New Construction Undivided Urban Arterial with 4' Bike Lanes: U03	$9,069,793.42
New Construction 4 Lane Urban Road with 22' Median and 4' Bike Lanes: U05	$13,628,813.74
New Construction 4 Lane Divided Urban Interstate, Closed 22' Median with Barrier Wall, 10' Shoulders Inside and Out: U06	$20,646,066.98
New Construction 5 Lane Undivided Urban Arterial with Center Turn Lane and 4' Bike Lanes: U07	$10,376,028.00
New Construction 6 Lane Urban Road with 22' Median and 4' Bike Lanes: U08	$14,908,468.86
New Construction 6 Lane Divided Urban Interstate with 22' Closed Median with Barrier Wall, 10' Shoulders Inside and Out: U09	$22,137,799.24
New Construction Extra Cost for Additional Lane on Urban Arterial: U10	$3,019,326.79
New Construction Extra Cost for Additional Lane on Urban Interstate: U11	$1,084,623.08
Mill and Resurface 2 Lane Urban Road with 4' Bike Lanes: U12	$852,823.81

Model	Cost Per Mile
Mill and Resurface 3 Lane Urban Road with Center Turn Lane and 4' Bike Lanes: U13	$1,109,834.81
Mill and Resurface 4 Lane Undivided Urban Roadway with 4' Bike Lanes: U14	$1,491,223.39
Mill and Resurface 4 Lane Divided Urban Roadway with 4' Bike Lanes: U15	$1,764,785.46
Mill and Resurface 5 Lane Urban Roadway with Center Turn Lane and 4' Bike Lanes: U16	$1,750,640.13
Mill and Resurface 6 Lane Divided Urban Arterial with 4' Bike Lanes: U17	$2,559,560.85
Mill and Resurface 1 Additional Lane Urban Arterial: U18	$425,400.61
Add 2 Lanes to Existing 2 Lane Undivided Arterial (1 Lane Each Side), with 4' Bike Lanes: U19	$8,654,494.14
Widen 2 Lane Urban Arterial to 4 Lane Divided with 22' Median, 4' Bike Lanes: U20	$9,817,228.43
Add 2 Lanes to Existing 3 Lane Undivided Arterial (1 Lane Each Side with Center Turn Lane and 4' Bike Lanes: U21	$8,928,848.26
Widen 4 Lane Urban Divided Arterial to 6 Lane Urban Divided with 22' Median and 4' Bike Lanes: U22	$8,699,933.80
Widen 4 Lane Urban Interstate with Closed Median to 6 Lanes (Outside), Mill and Resurface Existing, 10' Shoulders Outside: U23	$14,799,799.57
Widen 6 Lane Urban Divided Arterial to 8 Lane Urban Divided with 4' Bike Lanes: U24	$10,420,188.03
Widen 6 Lane Urban Interstate with Closed Median to 8 Lanes (Outside); Mill and Resurface Existing; 10' Shoulders Outside: U25	$15,739,373.72
Suburban	
New Construction Suburban 4 Lane with Paved Shoulders Outside and Curb Median: S01	$7,915,253.85
Widen Existing Rural Facility to the Inside with Addition of Closed Drainage System and Median Barrier Wall: S02	$5,672,467.72
Widen 4 Lane Suburban Roadway with 6.5' Paved Shoulder and Convert to Curb and Gutter Out; Stripe for Bike Lane: S03	$4,863,807.27
Add 2 Lanes with Curb and Gutter Out to Existing 4 Lane Urban or Suburban Roadway with Curb and Gutter Out: S04	$5,016,351.43
Other	
Two Directional, 12' Shared Use Path: O01	$563,814.79
Rails to Trails project (12' width): O02	$527,734.41
Sidewalk construction; 5' one side, 4-inch depth: O03	$300,729.23
Mid-Block Crossing: O05	$248,327.23