

Appendix B-4

Construction Cost Estimates for Alternatives

APPENDIX B-4

| Alternative No: 2 - 4-Lane RRE - 6D | | | | | | | | | | |
|---|---|---------------------------|-----------------------|------------------|-----------------|----------|---------------------|---------------------|-------------------------|-------|
| Existing Typical Section Ridge Rd. West: | | Undeveloped | | | | | | | | |
| Existing Typical Section Ridge Rd. East: | | Undeveloped | | | | | | | | |
| Gross Length | | | | | Net Length | | Bridge Length | | | |
| Ridge Rd. West: | | 4.723 | | Ridge Rd. West: | | 4.529 | | Ridge Rd. West: | | 0.194 |
| Ridge Rd. East: | | 4.152 | | Ridge Rd. East: | | 4.101 | | Ridge Rd. East: | | 0.051 |
| County Roadway Construction Cost | | | | | | | | | | |
| Side | Description | Length (miles) | FDOT Const. Cost/Mile | Const. Cost | MOT (Yes or No) | MOT Cost | Mobilization | Subtotal | Adjusted Subtotal (85%) | |
| West | New 4-Lane Urban with 5' Sidewalk and C&G | 1.60 | \$6,832,753 | \$10,932,405 | No | \$0 | \$1,093,240 | \$12,025,645 | \$10,221,798 | |
| West | Multi-Use Trail | 1.60 | \$170,032 | \$272,051 | No | \$0 | \$27,205 | \$299,256 | \$254,368 | |
| West | New 4-Lane Rural with 5' Paved Shoulders | 2.93 | \$5,449,902 | \$15,968,213 | No | \$0 | \$1,596,821 | \$17,565,034 | \$14,930,279 | |
| West | Multi-Use Trail | 2.93 | \$170,032 | \$498,194 | No | \$0 | \$49,819 | \$548,013 | \$465,811 | |
| East | New 4-Lane Rural with 5' Paved Shoulders | 4.10 | \$5,449,902 | \$22,344,598 | No | \$0 | \$2,234,460 | \$24,579,058 | \$20,892,199 | |
| East/West* | 1 Through Lane on the Outside (Ramps) | 1.56 | \$1,334,043 | \$2,081,107 | No | \$0 | \$208,111 | \$2,289,218 | \$1,945,835 | |
| Subtotal Roadway Construction Costs | | | | | | | | \$57,306,225 | \$48,710,291 | |
| County Roadway Bridge Cost | | | | | | | | | | |
| Side | Direction | Type | Length (ft) | Width (ft) | Area (sf) | Cost/sf | Subtotal | Adjusted | | |
| West | Westbound | Mid Level | 845.0 | 43.1 | 36,420 | \$145.00 | \$5,280,828 | \$4,488,703 | | |
| West | Eastbound | Mid Level | 845.0 | 56.0 | 47,320 | \$145.00 | \$6,861,400 | \$5,832,190 | | |
| West | Westbound | Mid Level | 180.0 | 43.1 | 7,758 | \$145.00 | \$1,124,910 | \$956,174 | | |
| West | Eastbound | Mid Level | 180.0 | 56.0 | 10,080 | \$145.00 | \$1,461,600 | \$1,242,360 | | |
| East | East/West | Overpass | 135.0 | 88.2 | 11,907 | \$155.00 | \$1,845,585 | \$1,568,747 | | |
| East | East/West | Overpass | 135.0 | 88.2 | 11,907 | \$155.00 | \$1,845,585 | \$1,568,747 | | |
| Subtotal Bridge Construction Costs | | | | | | | \$18,419,908 | \$15,656,921 | | |
| County Roadway Signalization Cost | | | | | | | | | | |
| Side | # of Signals | FDOT Const. | Subtotal | Adjusted | | | | | | |
| Ridge West | 1 | \$147,128 | \$147,128 | \$125,059 | | | | | | |
| Ridge East | 1 | \$187,577 | \$187,577 | \$159,440 | | | | | | |
| | | Subtotal Signaliza | \$135 | \$284,499 | | | | | | |
| Subtotal Construction costs | | | \$64,651,712 | | | | | | | |
| Contingency (10%) | | | \$6,465,171 | | | | | | | |
| Subtotal Construction costs | | | \$71,116,883 | | | | | | | |
| Design | 5% | | \$3,555,844 | | | | | | | |
| CEI | 3% | | \$2,133,506 | | | | | | | |
| Total Project Const & Engineering Cost | | | \$76,806,233 | | | | | | | |

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| Alternative No: 2 - 4-Lane RRE - 6D | | | | | | | | |
|-------------------------------------|--|--|--|--|--|--|--|--|
| Notes: | Bridge width of 43.1' consists of (2) 12' Lanes, (1) 10' Shoulder, (1) 6' Shoulder, and (2) 1.54 Barriers. | | | | | | | |
| | Bridge width of 56.0' consists of (2) 12' Lanes, (1) 10' Shoulder, (1) 6' Shoulder, (1) 12' Trail and (1) 1' Parapet, (1) 1.5' Barrier and (1) 1.54' Barrier | | | | | | | |
| | Bridge width of 88.2' consists of (2) 12' Lanes, (1) 10' Shoulder, (1) 8' Shoulder, and (2) 1.54 Barriers and a bridge with the same dimensions as the 43.1' bridge. | | | | | | | |
| | The ramps are the 4 ramps calculated from the Suncoask Parkway and Ridge Road Interchange (Phase II) Plans. | | | | | | | |
| | Ridge Road West proposed signalization is located at Starkey Blvd. | | | | | | | |
| | Ridge Road East proposed signalization is located at US 41. | | | | | | | |
| | The signalization cost for Ridge Road West is from FDOT Construction Cost of a 4-Lane Roadway intersecting a 4-Lane Roadway and the cost at Ridge Road East | | | | | | | |
| | is from a 6-Lane Roadway intersecting a 6-Lane Roadway. FDOT has only established construction costs for a 2-Lane Roadway intersecting a 2-Lane | | | | | | | |
| | Roadway, a 4-Lane Roadway intersecting a 4-Lane Roadway, and a 6-Lane Roadway intersecting a 6-Lane Roadway. | | | | | | | |

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| Alternative No: 3 - 4-Lane RRE - 6E | | | | | | | | | |
|--|--|----------------|-----------------------|------------------|-----------------|-----------------|---------------------|---------------------|-------------------------|
| Existing Typical Section Ridge Rd. West: | | Undeveloped | | | | | | | |
| Existing Typical Section Ridge Rd. East: | | Undeveloped | | | | | | | |
| Gross Length | | Net Length | | | | Bridge Length | | | |
| Ridge Rd. West: | | 4.704 | Ridge Rd. West: | | 4.510 | Ridge Rd. West: | | 0.194 | |
| Ridge Rd. East: | | 3.994 | Ridge Rd. East: | | 3.943 | Ridge Rd. East: | | 0.051 | |
| County Roadway Construction Cost | | | | | | | | | |
| Side | Description | Length (miles) | FDOT Const. Cost/Mile | Const. Cost | MOT (Yes or No) | MOT Cost | Mobilization | Subtotal | Adjusted Subtotal (85%) |
| West | New 4-Lane Urban with Sidewalk and C&G | 1.60 | \$6,832,753 | \$10,932,405 | No | \$0 | \$1,093,240 | \$12,025,645 | \$10,221,798 |
| West | Multi-Use Trail | 1.60 | \$170,032 | \$272,051 | No | \$0 | \$27,205 | \$299,256 | \$254,368 |
| West | New 4-Lane Rural with Paved Shoulders | 2.91 | \$5,449,902 | \$15,859,215 | No | \$0 | \$1,585,921 | \$17,445,136 | \$14,828,366 |
| West | Multi-Use Trail | 2.91 | \$170,032 | \$494,793 | No | \$0 | \$49,479 | \$544,272 | \$462,632 |
| East | New 4-Lane Rural with Paved Shoulders | 3.94 | \$5,449,902 | \$21,472,614 | No | \$0 | \$2,147,261 | \$23,619,875 | \$20,076,894 |
| East/West* | 1 Through Lane on the Outside (Ramps) | 1.56 | \$1,334,043 | \$2,081,107 | No | \$0 | \$208,111 | \$2,289,218 | \$1,945,835 |
| Subtotal Roadway Construction Costs | | | | | | | | \$56,223,403 | \$47,789,893 |
| County Roadway Bridge Cost | | | | | | | | | |
| Side | Direction | Type | Length (ft) | Width (ft) | Area (sf) | Cost/sf | Subtotal | Adjusted | |
| West | Westbound | Mid Level | 845.0 | 43.1 | 36,420 | \$145.00 | \$5,280,828 | \$4,488,703 | |
| West | Eastbound | Mid Level | 845.0 | 56.0 | 47,320 | \$145.00 | \$6,861,400 | \$5,832,190 | |
| West | Westbound | Mid Level | 180.0 | 43.1 | 7,758 | \$145.00 | \$1,124,910 | \$956,174 | |
| West | Eastbound | Mid Level | 180.0 | 56.0 | 10,080 | \$145.00 | \$1,461,600 | \$1,242,360 | |
| East | East/West | Overpass | 135.0 | 88.2 | 11,907 | \$155.00 | \$1,845,585 | \$1,568,747 | |
| East | East/West | Overpass | 135.0 | 88.2 | 11,907 | \$155.00 | \$1,845,585 | \$1,568,747 | |
| Subtotal Bridge Construction Costs | | | | | | | \$18,419,908 | \$15,656,921 | |
| County Roadway Signalization Cost | | | | | | | | | |
| Side | # of Signals | FDOT Const. | Subtotal | Adjusted | | | | | |
| Ridge West | 1 | \$147,128 | \$147,128 | \$125,059 | | | | | |
| Ridge East | 1 | \$187,577 | \$187,577 | \$159,440 | | | | | |
| Subtotal Signaliza | | \$135 | \$334,705 | \$284,499 | | | | | |

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|---|--|--|---------------------|--|--|--|--|--|
| Alternative No: 3 - 4-Lane RRE - 6E | | | | | | | | |
| Subtotal Construction costs | | | \$63,731,314 | | | | | |
| Contingency (10%) | | | \$6,373,131 | | | | | |
| Subtotal Construction costs | | | \$70,104,445 | | | | | |
| Design | 5% | | \$3,505,222 | | | | | |
| CEI | 3% | | \$2,103,133 | | | | | |
| Total Project Const & Engineering Cost | | | \$75,712,800 | | | | | |
| Notes: | Bridge width of 43.1' consists of (2) 12' Lanes, (1) 10' Shoulder, (1) 6' Shoulder, and (2) 1.54 Barriers. | | | | | | | |
| | Bridge width of 56.0' consists of (2) 12' Lanes, (1) 10' Shoulder, (1) 6' Shoulder, (1) 12' Trail and (1) 1' Parapet, (1) 1.5' Barrier and (1) 1.54' Barrier | | | | | | | |
| | Bridge width of 88.2' consists of (2) 12' Lanes, (1) 10' Shoulder, (1) 8' Shoulder, and (2) 1.54 Barriers and a bridge with the same dimensions as the 43.1' bridge. | | | | | | | |
| | The ramps are the 4 ramps calculated from the Suncoask Parkway and Ridge Road Interchange (Phase II) Plans. | | | | | | | |
| | Ridge Road West proposed signalization is located at Starkey Blvd. | | | | | | | |
| | Ridge Road East proposed signalization is located at US 41. | | | | | | | |
| | The signalization cost for Ridge Road West is from FDOT Construction Cost of a 4-Lane Roadway intersecting a 4-Lane Roadway and the cost at Ridge Road East is from a 6-Lane Roadway intersecting a 6-Lane Roadway. FDOT has only established construction costs for a 2-Lane Roadway intersecting a 2-Lane Roadway, a 4-Lane Roadway intersecting a 4-Lane Roadway, and a 6-Lane Roadway intersecting a 6-Lane Roadway. | | | | | | | |

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| Alternative No: 4- 4-Lane RRE - 6F | | | | | | | | | |
|--|--|----------------|-----------------------|------------------|-----------------|-----------------|---------------------|---------------------|-------------------------|
| Existing Typical Section Ridge Rd. West: | | Undeveloped | | | | | | | |
| Existing Typical Section Ridge Rd. East: | | Undeveloped | | | | | | | |
| Gross Length | | Net Length | | | | Bridge Length | | | |
| Ridge Rd. West: | | 4.704 | Ridge Rd. West: | | 4.510 | Ridge Rd. West: | | 0.194 | |
| Ridge Rd. East: | | 3.993 | Ridge Rd. East: | | 3.944 | Ridge Rd. East: | | 0.049 | |
| County Roadway Construction Cost | | | | | | | | | |
| Side | Description | Length (miles) | FDOT Const. Cost/Mile | Const. Cost | MOT (Yes or No) | MOT Cost | Mobilization | Subtotal | Adjusted Subtotal (85%) |
| West | New 4-Lane Urban with Sidewalk and C&G | 1.60 | \$6,832,753 | \$10,932,405 | No | \$0 | \$1,093,240 | \$12,025,645 | \$10,221,798 |
| West | Multi-Use Trail | 1.60 | \$170,032 | \$272,051 | No | \$0 | \$27,205 | \$299,256 | \$254,368 |
| West | New 4-Lane Rural with Paved Shoulders | 2.91 | \$5,449,902 | \$15,859,215 | No | \$0 | \$1,585,921 | \$17,445,136 | \$14,828,366 |
| West | Multi-Use Trail | 2.91 | \$170,032 | \$494,793 | No | \$0 | \$49,479 | \$544,272 | \$462,632 |
| East | New 4-Lane Rural with Paved Shoulders | 3.94 | \$5,449,902 | \$21,472,614 | No | \$0 | \$2,147,261 | \$23,619,875 | \$20,076,894 |
| East/West* | 1 Through Lane on the Outside (Ramps) | 1.56 | \$1,334,043 | \$2,081,107 | No | \$0 | \$208,111 | \$2,289,218 | \$1,945,835 |
| Subtotal Roadway Construction Costs | | | | | | | | \$56,223,403 | \$47,789,893 |
| County Roadway Bridge Cost | | | | | | | | | |
| Side | Direction | Type | Length (ft) | Width (ft) | Area (sf) | Cost/sf | Subtotal | Adjusted | |
| West | Westbound | Mid Level | 845.0 | 43.1 | 36,420 | \$140.00 | \$5,098,730 | \$4,333,921 | |
| West | Eastbound | Mid Level | 845.0 | 56.0 | 47,320 | \$140.00 | \$6,624,800 | \$5,631,080 | |
| West | Westbound | Mid Level | 180.0 | 43.1 | 7,758 | \$140.00 | \$1,086,120 | \$923,202 | |
| West | Eastbound | Mid Level | 180.0 | 56.0 | 10,080 | \$140.00 | \$1,411,200 | \$1,199,520 | |
| East | East/West | Overpass | 135.0 | 88.2 | 11,907 | \$155.00 | \$1,845,585 | \$1,568,747 | |
| East | East/West | Overpass | 125.0 | 88.2 | 11,025 | \$155.00 | \$1,708,875 | \$1,452,544 | |
| Subtotal Bridge Construction Costs | | | | | | | \$17,775,310 | \$15,109,014 | |
| County Roadway Signalization Cost | | | | | | | | | |
| Side | # of Signals | FDOT Const. | Subtotal | Adjusted | | | | | |
| Ridge West | 1 | \$147,128 | \$147,128 | \$125,059 | | | | | |
| Ridge East | 1 | \$187,577 | \$187,577 | \$159,440 | | | | | |
| Subtotal Signalization | | \$135 | \$135 | \$284,499 | | | | | |

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|--|----|--|---------------------|--|--|--|--|--|
| Alternative No: 4- 4-Lane RRE - 6F | | | | | | | | |
| Subtotal Construction costs | | | \$63,183,406 | | | | | |
| Contingency (10%) | | | \$6,318,341 | | | | | |
| Subtotal Construction costs | | | \$69,501,746 | | | | | |
| Design | 5% | | \$3,475,087 | | | | | |
| CEI | 3% | | \$2,085,052 | | | | | |
| Total Project Const & Engineering Cost | | | \$75,061,886 | | | | | |
| Notes: | | | | | | | | |
| Bridge width of 43.1' consists of (2) 12' Lanes, (1) 10' Shoulder, (1) 6' Shoulder, and (2) 1.54 Barriers. | | | | | | | | |
| Bridge width of 56.0' consists of (2) 12' Lanes, (1) 10' Shoulder, (1) 6' Shoulder, (1) 12' Trail and (1) 1' Parapet, (1) 1.5' Barrier and (1) 1.54' Barrier | | | | | | | | |
| Bridge width of 88.2' consists of (2) 12' Lanes, (1) 10' Shoulder, (1) 8' Shoulder, and (2) 1.54 Barriers and a bridge with the same dimensions as the 43.1' bridge. | | | | | | | | |
| The ramps are the 4 ramps calculated from the Suncoask Parkway and Ridge Road Interchange (Phase II) Plans. | | | | | | | | |
| Ridge Road West proposed signalization is located at Starkey Blvd. | | | | | | | | |
| Ridge Road East proposed signalization is located at US 41. | | | | | | | | |
| The signalization cost for Ridge Road West is from FDOT Construction Cost of a 4-Lane Roadway intersecting a 4-Lane Roadway and the cost at Ridge Road East is from a 6-Lane Roadway intersecting a 6-Lane Roadway. FDOT has only established construction costs for a 2-Lane Roadway intersecting a 2-Lane Roadway, a 4-Lane Roadway intersecting a 4-Lane Roadway, and a 6-Lane Roadway intersecting a 6-Lane Roadway. | | | | | | | | |

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| Alternative No: 5 - 4-Lane RRE - 6G | | | | | | | | | |
|--|--|----------------|-----------------------|------------------|-----------------|-----------------|---------------------|---------------------|-------------------------|
| Existing Typical Section Ridge Rd. West: | | Undeveloped | | | | | | | |
| Existing Typical Section Ridge Rd. East: | | Undeveloped | | | | | | | |
| Gross Length | | Net Length | | | | Bridge Length | | | |
| Ridge Rd. West: | | 4.719 | Ridge Rd. West: | | 4.525 | Ridge Rd. West: | | 0.194 | |
| Ridge Rd. East: | | 3.933 | Ridge Rd. East: | | 3.882 | Ridge Rd. East: | | 0.051 | |
| County Roadway Construction Cost | | | | | | | | | |
| Side | Description | Length (miles) | FDOT Const. Cost/Mile | Const. Cost | MOT (Yes or No) | MOT Cost | Mobilization | Subtotal | Adjusted Subtotal (85%) |
| West | New 4-Lane Urban with Sidewalk and C&G | 5' 1.59 | \$6,832,753 | \$10,864,077 | No | \$0 | \$1,086,408 | \$11,950,485 | \$10,157,912 |
| West | Multi-Use Trail | 1.59 | \$170,032 | \$270,351 | No | \$0 | \$27,035 | \$297,386 | \$252,778 |
| West | New 4-Lane Rural with Paved Shoulders | 5' 2.94 | \$5,449,902 | \$16,022,712 | No | \$0 | \$1,602,271 | \$17,624,983 | \$14,981,236 |
| West | Multi-Use Trail | 2.94 | \$170,032 | \$499,894 | No | \$0 | \$49,989 | \$549,883 | \$467,401 |
| East | New 4-Lane Rural with Paved Shoulders | 5' 3.88 | \$5,449,902 | \$21,145,620 | No | \$0 | \$2,114,562 | \$23,260,182 | \$19,771,154 |
| East/West* | 1 Through Lane on the Outside (Ramps) | 1.56 | \$1,334,043 | \$2,081,107 | No | \$0 | \$208,111 | \$2,289,218 | \$1,945,835 |
| Subtotal Roadway Construction Costs | | | | | | | | \$55,972,137 | \$47,576,316 |
| County Roadway Bridge Cost | | | | | | | | | |
| Side | Direction | Type | Length (ft) | Width (ft) | Area (sf) | Cost/sf | Subtotal | Adjusted | |
| West | Westbound | Mid Level | 845.0 | 43.1 | 36,420 | \$145.00 | \$5,280,828 | \$4,488,703 | |
| West | Eastbound | Mid Level | 845.0 | 56.0 | 47,320 | \$145.00 | \$6,861,400 | \$5,832,190 | |
| West | Westbound | Mid Level | 180.0 | 43.1 | 7,758 | \$145.00 | \$1,124,910 | \$956,174 | |
| West | Eastbound | Mid Level | 180.0 | 56.0 | 10,080 | \$145.00 | \$1,461,600 | \$1,242,360 | |
| East | East/West | Overpass | 135.0 | 88.2 | 11,907 | \$155.00 | \$1,845,585 | \$1,568,747 | |
| East | East/West | Overpass | 135.0 | 88.2 | 11,907 | \$155.00 | \$1,845,585 | \$1,568,747 | |
| Subtotal Bridge Construction Costs | | | | | | | \$18,419,908 | \$15,656,921 | |
| County Roadway Signalization Cost | | | | | | | | | |
| Side | # of Signals | FDOT Const. | Subtotal | Adjusted | | | | | |
| Ridge West | 1 | \$147,128 | \$147,128 | \$125,059 | | | | | |
| Ridge East | 1 | \$187,577 | \$187,577 | \$159,440 | | | | | |
| Subtotal Signalization | | | \$135 | \$284,499 | | | | | |

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| | | | | | | | |
|--|----|--|---------------------|--|--|--|--|
| Alternative No: 5 - 4-Lane RRE - 6G | | | | | | | |
| Subtotal Construction costs | | | \$63,517,737 | | | | |
| Contingency (10%) | | | \$6,351,774 | | | | |
| Subtotal Construction costs | | | \$69,869,511 | | | | |
| Design | 0% | | \$0 | | | | |
| CEI | 3% | | \$2,096,085 | | | | |
| Total Project Const & Engineering Cost | | | \$71,965,596 | | | | |
| Notes: | | | | | | | |
| Bridge width of 43.1' consists of (2) 12' Lanes, (1) 10' Shoulder, (1) 6' Shoulder, and (2) 1.54 Barriers. | | | | | | | |
| Bridge width of 56.0' consists of (2) 12' Lanes, (1) 10' Shoulder, (1) 6' Shoulder, (1) 12' Trail and (1) 1' Parapet, (1) 1.5' Barrier and (1) 1.54' Barrier | | | | | | | |
| Bridge width of 88.2' consists of (2) 12' Lanes, (1) 10' Shoulder, (1) 8' Shoulder, and (2) 1.54 Barriers and a bridge with the same dimensions as the 43.1' bridge. | | | | | | | |
| The ramps are the 4 ramps calculated from the Suncoask Parkway and Ridge Road Interchange (Phase II) Plans. | | | | | | | |
| Ridge Road West proposed signalization is located at Starkey Blvd. | | | | | | | |
| Ridge Road East proposed signalization is located at US 41. | | | | | | | |
| The signalization cost for Ridge Road West is from FDOT Construction Cost of a 4-Lane Roadway intersecting a 4-Lane Roadway and the cost at Ridge Road East is from a 6-Lane Roadway intersecting a 6-Lane Roadway. FDOT has only established construction costs for a 2-Lane Roadway intersecting a 2-Lane Roadway, a 4-Lane Roadway intersecting a 4-Lane Roadway, and a 6-Lane Roadway intersecting a 6-Lane Roadway. | | | | | | | |

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| Alternative No: 6 - 4-Lane RRE Elevated | | | | | | | | | |
|--|--|----------------|-----------------------|------------------|-----------------|-----------------|----------------------|----------------------|-------------------------|
| Existing Typical Section Ridge Rd. West: | | Undeveloped | | | | | | | |
| Existing Typical Section Ridge Rd. East: | | Undeveloped | | | | | | | |
| Gross Length | | Net Length | | | | Bridge Length | | | |
| Ridge Rd. West: | | 4.708 | Ridge Rd. West: | | 2.846 | Ridge Rd. West: | | 1.862 | |
| Ridge Rd. East: | | 3.933 | Ridge Rd. East: | | 3.882 | Ridge Rd. East: | | 0.051 | |
| County Roadway Construction Cost | | | | | | | | | |
| Side | Description | Length (miles) | FDOT Const. Cost/Mile | Const. Cost | MOT (Yes or No) | MOT Cost | Mobilization | Subtotal | Adjusted Subtotal (85%) |
| West | New 4-Lane Urban with Sidewalk and C&G | 1.59 | \$6,832,753 | \$10,864,077 | No | \$0 | \$1,086,408 | \$11,950,485 | \$10,157,912 |
| West | Multi-Use Trail | 1.59 | \$170,032 | \$270,351 | No | \$0 | \$27,035 | \$297,386 | \$252,778 |
| West | New 4-Lane Rural with Paved Shoulders | 1.26 | \$5,449,902 | \$6,844,416 | No | \$0 | \$684,442 | \$7,528,858 | \$6,399,529 |
| West | Multi-Use Trail | 1.26 | \$170,032 | \$213,540 | No | \$0 | \$21,354 | \$234,894 | \$199,660 |
| East | New 4-Lane Rural with Paved Shoulders | 3.88 | \$5,449,902 | \$21,156,520 | No | \$0 | \$2,115,652 | \$23,272,172 | \$19,781,346 |
| East/West* | 1 Through Lane on the Outside (Ramps) | 1.56 | \$1,334,043 | \$2,081,107 | No | \$0 | \$208,111 | \$2,289,218 | \$1,945,835 |
| Subtotal Roadway Construction Costs | | | | | | | | \$45,573,012 | \$38,737,060 |
| County Roadway Bridge Cost | | | | | | | | | |
| Side | Direction | Type | Length (ft) | Width (ft) | Area (sf) | Cost/sf | Subtotal | Adjusted | |
| West | Westbound | Mid Level | 1232 | 43.1 | 53,078 | \$145.00 | \$7,696,347 | \$6,541,895 | |
| West | Eastbound | Mid Level | 1232 | 56.0 | 69,044 | \$145.00 | \$10,011,343 | \$8,509,641 | |
| West | Westbound | Mid Level | 8600.00 | 43.1 | 370,514 | \$145.00 | \$53,724,501 | \$45,665,826 | |
| West | Eastbound | Mid Level | 8600.00 | 56.0 | 481,961 | \$145.00 | \$69,884,374 | \$59,401,718 | |
| East | East/West | Overpass | 135.00 | 88.2 | 11,903 | \$155.00 | \$1,844,894 | \$1,568,160 | |
| East | East/West | Overpass | 135.00 | 88.2 | 11,903 | \$155.00 | \$1,844,894 | \$1,568,160 | |
| Subtotal Bridge Construction Costs | | | | | | | \$145,006,354 | \$123,255,401 | |
| County Roadway Signalization Cost | | | | | | | | | |
| Side | # of Signals | FDOT Const. | Subtotal | Adjusted | | | | | |
| Ridge West | 1 | \$147,128 | \$147,128 | \$125,059 | | | | | |
| Ridge East | 1 | \$187,577 | \$187,577 | \$159,440 | | | | | |
| Subtotal Signalization | | \$135 | \$135 | \$284,499 | | | | | |

APPENDIX B-4

| | | | | | | | | | |
|--|----------|-------|-------------|----------------------|--|--|--|--|--|
| Alternative No: 6 - 4-Lane RRE Elevated | | | | | | | | | |
| Subtotal Construction costs | | | | \$162,276,960 | | | | | |
| Contingency (10%) | | | | \$16,227,696 | | | | | |
| Subtotal Construction costs | | | | \$178,504,656 | | | | | |
| Design | 5% | | \$8,925,233 | | | | | | |
| CEI | 3% | | \$5,355,140 | | | | | | |
| Total Project Const & Engineering Cost | | | | \$192,785,029 | | | | | |
| Notes: | | | | | | | | | |
| Bridges | | | | | | | | | |
| | 1st West | 11768 | 13000 | 1232 | | | | | |
| | 2nd West | 14100 | 22700 | 8600 | | | | | |
| | | | | 9832 | | | | | |
| Bridge width of 43.1' consists of (2) 12' Lanes, (1) 10' Shoulder, (1) 6' Shoulder, and (2) 1.54 Barriers. | | | | | | | | | |
| Bridge width of 56.0' consists of (2) 12' Lanes, (1) 10' Shoulder, (1) 6' Shoulder, (1) 12' Trail and (1) 1' Parapet, (1) 1.5' Barrier and (1) 1.54' Barrier | | | | | | | | | |
| Bridge width of 88.2' consists of (2) 12' Lanes, (1) 10' Shoulder, (1) 8' Shoulder, and (2) 1.54 Barriers and a bridge with the same dimensions as the 43.1' bridge. | | | | | | | | | |
| The ramps are the 4 ramps calculated from the Suncoask Parkway and Ridge Road Interchange (Phase II) Plans. | | | | | | | | | |
| Ridge Road West proposed signalization is located at Starkey Blvd. | | | | | | | | | |
| Ridge Road East proposed signalization is located at US 41. | | | | | | | | | |
| The signalization cost for Ridge Road West is from FDOT Construction Cost of a 4-Lane Roadway intersecting a 4-Lane Roadway and the cost at Ridge Road East is from a 6-Lane Roadway intersecting a 6-Lane Roadway. FDOT has only established construction costs for a 2-Lane Roadway intersecting a 2-Lane Roadway, a 4-Lane Roadway intersecting a 4-Lane Roadway, and a 6-Lane Roadway intersecting a 6-Lane Roadway. | | | | | | | | | |

APPENDIX B-4

| Alternative No: 7 - 4-Lane RRE Partially Elevated | | | | | | | | | |
|---|--|----------------|-----------------------|--------------|-----------------|-----------------|--------------|--------------|-------------------------|
| Existing Typical Section Ridge Rd. West: | | Undeveloped | | | | | | | |
| Existing Typical Section Ridge Rd. East: | | Undeveloped | | | | | | | |
| Gross Length | | Net Length | | | Bridge Length | | | | |
| Ridge Rd. West: | | 4.708 | Ridge Rd. West: | | 3.711 | Ridge Rd. West: | | 0.997 | |
| Ridge Rd. East: | | 3.933 | Ridge Rd. East: | | 3.882 | Ridge Rd. East: | | 0.051 | |
| County Roadway Construction Cost | | | | | | | | | |
| Side | Description | Length (miles) | FDOT Const. Cost/Mile | Const. Cost | MOT (Yes or No) | MOT Cost | Mobilization | Subtotal | Adjusted Subtotal (85%) |
| West | New 4-Lane Urban with Sidewalk and C&G | 1.59 | \$6,832,753 | \$10,864,077 | No | \$0 | \$1,086,408 | \$11,950,485 | \$10,157,912 |
| West | Multi-Use Trail | 1.59 | \$170,032 | \$270,351 | No | \$0 | \$27,035 | \$297,386 | \$252,778 |
| West | New 4-Lane Rural with Paved Shoulders | 2.12 | \$5,449,902 | \$11,558,375 | No | \$0 | \$1,155,838 | \$12,714,213 | \$10,807,081 |
| West | Multi-Use Trail | 2.12 | \$170,032 | \$360,611 | No | \$0 | \$36,061 | \$396,672 | \$337,171 |
| East | New 4-Lane Rural with Paved Shoulders | 3.88 | \$5,449,902 | \$21,145,620 | No | \$0 | \$2,114,562 | \$23,260,182 | \$19,771,154 |
| East/West* | 1 Through Lane on the Outside (Ramps) | 1.56 | \$1,334,043 | \$2,081,107 | No | \$0 | \$208,111 | \$2,289,218 | \$1,945,835 |
| Subtotal Roadway Construction Costs | | | | | | | | \$50,908,155 | \$43,271,932 |
| County Roadway Bridge Cost | | | | | | | | | |
| Side | Direction | Type | Length (ft) | Width (ft) | Area (sf) | Cost/sf | Subtotal | Adjusted | |
| 1-West | Westbound | Mid Level | 895 | 43.1 | 38,559 | \$145.00 | \$5,591,096 | \$4,752,432 | |
| 1-West | Eastbound | Mid Level | 895 | 56.0 | 50,158 | \$145.00 | \$7,272,851 | \$6,181,923 | |
| 2-West | Westbound | Mid Level | 1810 | 43.1 | 77,980 | \$145.00 | \$11,307,133 | \$9,611,063 | |
| 2-West | Eastbound | Mid Level | 1810 | 56.0 | 101,436 | \$145.00 | \$14,708,223 | \$12,501,989 | |
| 3-West | Westbound | Mid Level | 425 | 43.1 | 18,310 | \$145.00 | \$2,654,990 | \$2,256,741 | |
| 3-West | Eastbound | Mid Level | 425 | 56.0 | 23,818 | \$145.00 | \$3,453,588 | \$2,935,550 | |
| 4-West | Westbound | Mid Level | 930 | 43.1 | 40,067 | \$145.00 | \$5,809,743 | \$4,938,281 | |
| 4-West | Eastbound | Mid Level | 930 | 56.0 | 52,119 | \$145.00 | \$7,557,264 | \$6,423,674 | |
| 5-West | Westbound | Mid Level | 205 | 43.1 | 8,832 | \$145.00 | \$1,280,642 | \$1,088,546 | |
| 5-West | Eastbound | Mid Level | 205 | 56.0 | 11,489 | \$145.00 | \$1,665,848 | \$1,415,971 | |
| 6-West | Westbound | Mid Level | 485 | 43.1 | 20,895 | \$145.00 | \$3,029,812 | \$2,575,340 | |
| 6-West | Eastbound | Mid Level | 485 | 56.0 | 27,180 | \$145.00 | \$3,941,154 | \$3,349,981 | |
| 7-West | Westbound | Mid Level | 515 | 43.1 | 22,188 | \$145.00 | \$3,217,223 | \$2,734,640 | |
| 7-West | Eastbound | Mid Level | 515 | 56.0 | 28,862 | \$145.00 | \$4,184,936 | \$3,557,196 | |
| 1-East | East/West | Overpass | 135 | 88.2 | 11,903 | \$155.00 | \$1,844,894 | \$1,568,160 | |
| 2-East | East/West | Overpass | 135 | 88.2 | 11,903 | \$155.00 | \$1,844,894 | \$1,568,160 | |
| Subtotal Bridge Construction Costs | | | | | | | \$79,364,292 | \$67,459,648 | |

APPENDIX B-4

| Alternative No: 7 - 4-Lane RRE Partially Elevated | | | | |
|--|--|------------------------------|----------------------|---------------|
| County Roadway Signalization Cost | | | | |
| Side | # of Signals | FDOT Const. | Subtotal | Adjusted |
| Ridge West | 1 | \$147,128 | \$147,128 | \$125,059 |
| Ridge East | 1 | \$187,577 | \$187,577 | \$159,440 |
| | | Subtotal Signalization Costs | | \$284,499 |
| Subtotal Construction costs | | | \$111,016,079 | |
| Contingency (10%) | | | \$11,101,608 | |
| Subtotal Construction costs | | | \$122,117,687 | |
| Design | 5% | | \$6,105,884 | |
| CEI | 3% | | \$3,663,531 | |
| Total Project Const & Engineering Cost | | | \$131,887,102 | |
| Notes: | Bridges | Begin | End | Length |
| | 1st West | 11768 | 12663 | 895 |
| | 2nd West | 15195 | 17005 | 1810 |
| | 3rd West | 17295 | 17720 | 425 |
| | 4th West | 17945 | 18875 | 930 |
| | 5th West | 19245 | 19450 | 205 |
| | 6th West | 21445 | 21930 | 485 |
| | 7th West | 22195 | 22710 | 515 |
| | | | | 5265 |
| | Bridge width of 43.1' consists of (2) 12' Lanes, (1) 10' Shoulder, (1) 6' Shoulder, and (2) 1.54 Barriers. | | | |
| | Bridge width of 56.0' consists of (2) 12' Lanes, (1) 10' Shoulder, (1) 6' Shoulder, (1) 12' Trail and (1) 1' Parapet, (1) 1.5' Barrier and (1) 1.54' Barrier | | | |
| | Bridge width of 88.2' consists of (2) 12' Lanes, (1) 10' Shoulder, (1) 8' Shoulder, and (2) 1.54 Barriers and a bridge with the same dimensions as the 43.1' bridge. | | | |
| | The ramps are the 4 ramps calculated from the Suncoask Parkway and Ridge Road Interchange (Phase II) Plans. | | | |
| | Ridge Road West proposed signalization is located at Starkey Blvd. | | | |
| | Ridge Road East proposed signalization is located at US 41. | | | |
| | The signalization cost for Ridge Road West is from FDOT Construction Cost of a 4-Lane Roadway intersecting a 4-Lane Roadway and the cost at Ridge Road East is from a 6-Lane Roadway intersecting a 6-Lane Roadway. FDOT has only established construction costs for a 2-Lane Roadway intersecting a 2-Lane Roadway, a 4-Lane Roadway intersecting a 4-Lane Roadway, and a 6-Lane Roadway intersecting a 6-Lane Roadway. | | | |

APPENDIX B-4

| Alternative No: 8 - SR 52 Add 4-Lanes | | | | | | | | |
|---|---|------------------------------|-----------------------|--------------|-----------------|---------------------|--------------|---------------------|
| Existing Typical Section SR 52 West: | | Urban 6-lane roadway | | | | | | |
| Existing Typical Section SR 52 East: | | Rural 2-lane roadway | | | | | | |
| Gross Length | | Net Length | | | Bridge Length | | | |
| SR 52 West: | | 3.167 | SR 52 West: | | 3.167 | SR 52 West: | | 0.000 |
| SR 52 East: | | 3.109 | SR 52 East: | | 3.109 | SR 52 East: | | 0.000 |
| State Highway System Construction Cost | | | | | | | | |
| Side | Description | Length (miles) | FDOT Const. Cost/Mile | Const. Cost | MOT (Yes or No) | MOT Cost | Mobilization | Subtotal |
| SR 52 West | Add Lanes (6 to 10) with 5' Sidewalks & C&G (Urban) | 3.17 | \$6,581,386 | \$20,862,994 | Yes | \$2,086,299 | \$2,294,929 | \$25,244,222 |
| SR 52 West | Milling & Resurfacing (6-lane) Roadway (Urban) | 3.17 | \$1,740,670 | \$5,517,924 | Yes | \$551,792 | \$606,972 | \$6,676,688 |
| SR 52 East | New 6-Lane Urban with 5' Sidewalk and C&G | 2.22 | \$8,353,372 | \$18,544,486 | Yes | \$1,854,449 | \$2,039,893 | \$22,438,828 |
| Subtotal Roadway Construction Costs | | | | | | | | \$54,359,738 |
| State Highway System Interchange Cost | | | | | | | | |
| Side | Number of Interchange | FDOT Const. Cost/Interchange | Const. Cost | MOT Cost | Mobilization | Subtotal | | |
| SR 52 | 1 | \$19,832,202 | \$19,832,202 | \$1,983,220 | \$2,181,542 | \$23,996,964 | | |
| Subtotal Interchange Construction Costs | | | | | | \$23,996,964 | | |
| State Highway System Signalization Cost | | | | | | | | |
| Side | # of Signals | FDOT Const. Cost/Signal | Subtotal | | | | | |
| SR 52 West | 4 | \$187,577 | \$750,308 | | | | | |
| SR 52 East | 3 | \$187,577 | \$562,731 | | | | | |
| Subtotal Signalization Costs | | | \$1,313,039 | | | | | |
| Subtotal Construction costs | | | \$79,669,741 | | | | | |
| Contingency (25%) | | | \$19,917,435 | | | | | |
| Subtotal Construction costs | | | \$99,587,176 | | | | | |
| Design | 15% | \$14,938,076 | | | | | | |
| CEI | 15% | \$14,938,076 | | | | | | |
| Total Project Const & Engineering Cost | | | \$129,463,329 | | | | | |
| Notes: | | | | | | | | |
| SR 52 West is currently a 6-lane urban roadway to be widened to 10-lanes. FDOT does not have a cost for a 6-lane road to a 10-lane road, but a cost of widening from 4-lanes to 8-lanes is listed. The cost from 4-lanes to 8-lanes will be very similar to a 6-lane to 10-lane cost. An additional cost to mill and resurface the remaining inside lanes has been determined by using the cost associated with a six lane milling and resurfacing project. | | | | | | | | |
| SR 52 East will eliminate the existing undivided roadway and construct a new roadway. | | | | | | | | |
| SR 52 West existing signals are located at Moon Lake Rd., Hays Rd., Silver Palm Blvd., and at the Suncoast Parkway. | | | | | | | | |
| SR 52 East existing signals are located at the Suncoast Parkway, Shady Hills Rd., and US 41. | | | | | | | | |
| The signalization cost is from FDOT Construction Cost of a 6-Lane Roadway intersecting a 6-Lane Roadway. FDOT has only established construction costs for a 2-Lane Roadway intersecting a 2-Lane Roadway, a 4-Lane Roadway intersecting a 4-Lane Roadway, and a 6-Lane Roadway intersecting a 6-Lane Roadway. | | | | | | | | |
| There is not enough width under the Suncoast, therefore, interchange reconstruction will be necessary. | | | | | | | | |

APPENDIX B-4

| Alternative No: 9 - SR 54 Add 4-Lanes | | Proposed: 10 West and 10 East at Grade | | | | | | | |
|---|---|--|-----------------------|--------------|-----------------|---------------------|--------------|----------------------|-------|
| Existing Typical Section SR 54 West: | | Rural 6-lane roadway | | | | | | | |
| Existing Typical Section SR 54 East: | | Rural 6-lane roadway | | | | | | | |
| Gross Length | | Net Length | | | Bridge Length | | | | |
| SR 54 West: | | 6.763 | SR 54 West: | | | 6.763 | SR 54 West: | | 0.000 |
| SR 54 East: | | 5.077 | SR 54 East: | | | 5.077 | SR 54 East: | | 0.000 |
| State Highway System Construction Cost | | | | | | | | | |
| Side | Description | Length (miles) | FDOT Const. Cost/Mile | Const. Cost | MOT (Yes or No) | MOT Cost | Mobilization | Subtotal | |
| SR 54 West | Add Lanes (6 to 10) with 5' Sidewalks & C&G (Urban) | 6.76 | \$6,581,386 | \$44,509,914 | Yes | \$4,450,991 | \$4,896,090 | \$53,856,995 | |
| SR 54 West | Milling & Resurfacing (6-lane) Roadway (Urban) | 3.54 | \$1,740,670 | \$6,161,972 | Yes | \$616,197 | \$677,817 | \$7,455,986 | |
| SR 54 West | Milling & Resurfacing (6-lane) Roadway (Rural) | 3.22 | \$1,145,229 | \$3,691,073 | Yes | \$369,107 | \$406,018 | \$4,466,198 | |
| SR 54 East | Add Lanes (6 to 10) with 5' Sidewalks & C&G (Urban) | 5.08 | \$6,581,386 | \$33,413,697 | Yes | \$3,341,370 | \$3,675,507 | \$40,430,573 | |
| SR 54 East | Milling & Resurfacing (6-lane) Roadway (Urban) | 5.08 | \$1,740,670 | \$8,837,382 | Yes | \$883,738 | \$972,112 | \$10,693,232 | |
| Subtotal Roadway Construction Costs | | | | | | | | \$116,902,984 | |
| State Highway System Interchange Cost | | | | | | | | | |
| Location | Number of Interchange | FDOT Const. Cost/Interchang | Const. Cost | MOT Cost | Mobilization | Subtotal | | | |
| Suncoast | 1 | \$19,832,202 | \$19,832,202 | \$1,983,220 | \$2,181,542 | \$23,996,964 | | | |
| Subtotal Interchange Construction Costs | | | | | | \$23,996,964 | | | |
| State Highway System Signalization Cost | | | | | | | | | |
| Side | # of Signals | FDOT Const. | Subtotal | | | | | | |
| SR 54 West | 6 | \$187,577 | \$1,125,462 | | | | | | |
| SR 54 East | 6 | \$187,577 | \$1,125,462 | | | | | | |
| Subtotal Signalization Costs | | | \$2,250,924 | | | | | | |
| Subtotal Construction costs | | | \$143,150,872 | | | | | | |
| Contingency (25%) | | | \$35,787,718 | | | | | | |
| Subtotal Construction costs | | | \$178,938,590 | | | | | | |
| Design | 15% | \$26,840,789 | | | | | | | |
| CEI | 15% | \$135 | | | | | | | |
| Total Project Const & Engineering Cost | | | \$205,779,514 | | | | | | |

APPENDIX B-4

| Alternative No: 9 - SR 54 Add 4-Lanes | Proposed: 10 West and 10 East at Grade | | | | | | |
|---------------------------------------|---|--|--|--|--|--|--|
| Notes: | SR 54 West is currently a 6-lane urban roadway to be widened to 10-lanes. FDOT does not have a cost for a 6-lane road to a 10-lane road, but the cost of widening from 4-lanes to 8-lanes is listed. The cost from 4-lanes to 8-lanes will be very similar to a 6-lane to 10-lane cost. An additional cost to mill and resurface the remaining inside lanes has been determined by using the cost associated with a six lane milling and resurfacing project. | | | | | | |
| | SR 54 East is a 6-lane urban roadway per the no-action alternative to be widened to 10-lanes. FDOT does not have a cost for a 6-lane road to a 10-lane road. The same approach as for SR 54 West is used for the east side. | | | | | | |
| | SR 54 West existing signals are located at Starkey Blvd., Duck Slough Blvd., Trinity Blvd., Gunn Highway, Crossing Blvd., and at the Suncoast Parkway. | | | | | | |
| | SR 54 East existing signals are located at the Suncoast Parkway, Ballantrae Blvd., unnamed road by the fire station, Sunslake Blvd., Oakstead Blvd., and US 41. | | | | | | |
| | The signalization cost for SR 54 is from FDOT Construction Cost of a 6-Lane Roadway intersecting a 6-Lane Roadway. FDOT has only established construction costs for a 2-Lane Roadway intersecting a 2-Lane Roadway, a 4-Lane Roadway intersecting a 4-Lane Roadway, and a 6-Lane Roadway intersecting a 6-Lane Roadway. | | | | | | |
| | There is not enough width under the Suncoast for more than 6 through lanes, therefore, interchange reconstruction will be necessary. | | | | | | |

APPENDIX B-4

| Alternative No: 10- 4-Lane Tower Rd | | | | | | | | | | |
|---|----|---|-----------------------|-----------------------|--------------|-----------------|----------|---------------|----------------------|-------------------------|
| Existing Typical Section Tower West: | | | Undeveloped/Dirt Road | | | | | | | |
| Existing Typical Section Tower East: | | | Dirt Road | | | | | | | |
| | | | Gross Length | | | Net Length | | Bridge Length | Comment | |
| Tower Rd. West: | 1 | Starky Blvd. to a point approx 1/4 mile west on Trinity ext. | 1.520 | | | 1.52 | | | | |
| | 2 | West of Trinity Ext. to 1/2 mile East of Trinity Extension | 0.750 | | | 0.75 | | | | |
| | 3 | East of Trinity Ext. to Eastern Boundary of Starkey | 1.130 | | | 1.13 | | | | |
| | 4 | Eastern Boundary of Starkey to Western Boundary of Behnke (Asturia) | 0.660 | | | 0.66 | | | | |
| | 5 | Western Boundary of Behnke (Asturia) to Eastern Boundary of Behnke | 1.070 | | | 1.07 | | | | |
| | 6 | Eastern Boundary of Behnke to Suncoast | 0.820 | | | 0.74 | | 0.076 | Bridge over Suncoast | |
| Tower Rd. East: | 7 | Suncoast to Bexley Ranch Blvd. | 0.630 | | | 0.63 | | | | |
| | 8 | Bexley Ranch Blvd. to Future Balantrae connection | 0.840 | | | 0.84 | | | | |
| | 9 | Future Balantrae connection to Eastern Boundary of Bexley Ranch | 2.150 | | | 2.15 | | | | |
| | 10 | Eastern Boundary of Bexley Ranch to US 41. | 2.300 | | | 2.27 | | 0.026 | Bridge over RailRoad | |
| County Roadway Construction Cost | | | | | | | | | | |
| Side | | Description | Length (miles) | FDOT Const. Cost/Mile | Const. Cost | MOT (Yes or No) | MOT Cost | Mobilization | Subtotal | Adjusted Subtotal (85%) |
| Tower Rd. West: | 1 | New 4-Lane Urban with 5' SW and C&G | 1.52 | \$6,832,753 | \$10,385,785 | No | \$0 | \$1,038,578 | \$11,424,363 | \$9,710,709 |
| | 2 | New 4-Lane Urban with 5' SW and C&G | 0.75 | \$0 | \$0 | No | \$0 | \$0 | \$0 | \$0 |
| | 3 | New 4-Lane Urban with 5' SW and C&G | 1.13 | \$6,832,753 | \$7,721,011 | No | \$0 | \$772,101 | \$8,493,112 | \$7,219,145 |
| | 4 | New 4-Lane Urban with 5' SW and C&G | 0.66 | \$6,832,753 | \$4,509,617 | No | \$0 | \$450,962 | \$4,960,579 | \$4,216,492 |
| | 5 | New 4-Lane Urban with 5' SW and C&G | 1.07 | \$6,832,753 | \$7,311,046 | No | \$0 | \$731,105 | \$8,042,150 | \$6,835,828 |
| | 6 | New 4-Lane Urban with 5' SW and C&G | 0.74 | \$6,832,753 | \$5,083,568 | No | \$0 | \$508,357 | \$5,591,925 | \$4,753,136 |
| Tower Rd. East: | 7 | New 4-Lane Urban with 5' SW and C&G | 0.63 | \$6,832,753 | \$4,304,634 | No | \$0 | \$430,463 | \$4,735,098 | \$4,024,833 |
| | 8 | New 4-Lane Urban with 5' SW and C&G | 0.84 | \$4,840,624 | \$4,066,124 | No | \$0 | \$406,612 | \$4,472,737 | \$3,801,826 |
| | 9 | New 4-Lane Urban with 5' SW and C&G | 2.15 | \$6,832,753 | \$14,690,419 | No | \$0 | \$1,469,042 | \$16,159,461 | \$13,735,542 |
| | 10 | New 4-Lane Urban with 5' SW and C&G | 2.27 | \$6,832,753 | \$15,537,680 | No | \$0 | \$1,553,768 | \$17,091,448 | \$14,527,731 |
| Subtotal Roadway Construction Costs | | | | | | | | | \$80,970,873 | \$68,825,242 |

APPENDIX B-4

| Alternative No: 10- 4-Lane Tower Rd | | | | | | | | | | |
|--|----|--------------|-------------|---------------------|-------------|------------|-----------|-----------|-------------|-------------|
| County Roadway Bridge Cost | | | | | | | | | | |
| Side | | Direction | Type | Location | Length (ft) | Width (ft) | Area (sf) | Cost/sf | Subtotal | Adjusted |
| West | | Both | Overpass | Suncoast | 400.0 | 86.2 | 34,480 | \$155.00 | \$5,344,400 | \$4,542,740 |
| East | | Both | Overpass | Railroad | 135.0 | 86.2 | 11,637 | \$155.00 | \$1,803,735 | \$1,533,175 |
| Subtotal Bridge Construction Costs | | | | | | | | | \$7,148,135 | \$6,075,915 |
| County Roadway Special Pipe Crossing Protection Costs | | | | | | | | | | |
| Side | | Direction | Type | | Length (ft) | Cost/LF | Subtotal | Adjusted | | |
| West | | Both | Casing | | 500 | \$840 | \$420,000 | \$357,000 | | |
| East | | Both | Casing | | 500 | \$840 | \$420,000 | \$357,000 | | |
| Subtotal Pipe Protection Costs | | | | | | | | \$714,000 | | |
| County Roadway Signalization Cost | | | | | | | | | | |
| Side | | # of Signals | FDOT Const. | Subtotal | Adjusted | | | | | |
| Tower West | | 1 | \$147,128 | \$147,128 | \$125,059 | | | | | |
| Tower East | | 1 | \$187,577 | \$187,577 | \$159,440 | | | | | |
| Subtotal Signalization Costs | | | | \$334,705 | \$284,499 | | | | | |
| Subtotal Construction costs | | | | \$75,899,656 | | | | | | |
| Contingency (10%) | | | | \$7,589,966 | | | | | | |
| Subtotal Construction costs | | | | \$83,489,621 | | | | | | |
| Design | 5% | | | \$4,174,481 | | | | | | |
| CEI | 3% | | | \$2,504,689 | | | | | | |
| Total Project Const & Engineering Cost | | | | \$90,168,791 | | | | | | |
| Notes: | | | | | | | | | | |
| There are 2 bridges; at the Suncoast and at the railroad crossing. | | | | | | | | | | |
| Bridge width of 86.2' consists of two bridges of (2) 12' Lanes, (1) 10' Outside Shoulder, (1) 6' Inside Shoulder, and (2) 1.54 Barriers. | | | | | | | | | | |
| Bridge over the Suncoast Parkway is included with the west side costs. | | | | | | | | | | |
| Pipe protection costs for existing TBW 84" WM is per information provided by TBW. | | | | | | | | | | |
| Tower Road West proposed signal is at Starkey Blvd. and Tower Road East proposed Signal is at US 41. | | | | | | | | | | |
| The signalization cost for Tower Road West is from FDOT Construction Cost of a 4-Lane Roadway intersecting a 4-Lane Roadway and the cost at Tower Road East is from a 6-Lane Roadway intersecting a 6-Lane Roadway. FDOT has only established construction costs for a 2-Lane Roadway intersecting a 2-Lane Roadway, a 4-Lane Roadway intersecting a 4-Lane Roadway, and a 6-Lane Roadway intersecting a 6-Lane Roadway. | | | | | | | | | | |

APPENDIX B-4

| | | | | | | | | |
|---|---|------------------------------|---|------------------------------------|-------------------------------------|--------------|---------------|--------------|
| Alternative No: 11 - SR 54 4-Lane Elevated | | | | | | | | |
| Existing Typical Section SR 54 West: | | Urban/Rural 6-lane roadway | | | | | | |
| Existing Typical Section SR 54 East: | | Rural 4-lane roadway | | | | | | |
| | Gross Length | | | Net Length | | | Bridge Length | |
| | SR 54 West: | 6.763 | | SR 54 West: | 0.000 | | SR 54 West: | 6.763 |
| | SR 54 East: | 5.077 | | SR 54 East: | 0.000 | | SR 54 East: | 5.077 |
| State Highway System Construction Cost | | | | | | | | |
| Side | Description | Length (miles) | FDOT Const. Cost/Mile | Const. Cost | MOT (Yes or No) | MOT Cost | Mobilization | Subtotal |
| SR 54 West | Add 1 Thru Lane (Urban) on Outside w/ 5' S/W, C&G | 3.54 | \$2,420,914 | \$8,570,036 | Yes | \$857,004 | \$942,704 | \$10,369,743 |
| SR 54 West | Milling & Resurfacing (6-lane) Roadway (Urban) | 3.54 | \$1,740,670 | \$6,161,972 | Yes | \$616,197 | \$677,817 | \$7,455,986 |
| SR 54 West | Milling & Resurfacing (6-lane) Roadway (Rural) | 3.22 | \$1,145,229 | \$3,691,073 | Yes | \$369,107 | \$406,018 | \$4,466,198 |
| SR 54 East | Milling and Resurfacing (6-lane) Roadway (Rural) | 5.077 | \$1,668,122 | \$8,469,055 | Yes | \$846,906 | \$931,596 | \$10,247,557 |
| | | 2.22 | | \$0 | Subtotal Roadway Construction Costs | | | \$32,539,484 |
| State Highway System Bridge Cost | | | | | | | | |
| Side | Direction | Type | Length (ft) | Width (ft) | Area (sf) | Cost/sf | Subtotal | |
| West | East/West | Mid Level | 35708.6 | 86.2 | 3,078,081 | \$145.00 | \$446,321,791 | |
| East | East/West | Mid Level | 26806.6 | 86.2 | 2,310,729 | \$145.00 | \$335,055,693 | |
| | | | | Subtotal Bridge Construction Costs | | | \$781,377,485 | |
| State Highway System Interchange Cost | | | \$900 | | | | | |
| Side | Number of Interchange | FDOT Const. Cost/Interchange | Const. Cost | MOT Cost | Mobilization | Subtotal | | |
| SR 54 | 1 | \$19,832,202 | \$19,832,202 | \$1,983,220 | \$2,181,542 | \$23,996,964 | | |
| | | | Subtotal Interchange Construction Costs | | | \$23,996,964 | | |
| State Highway System Signalization Cost | | | | | | | | |
| Side | # of Signals | FDOT Const. | Subtotal | | | | | |
| SR 54 West | 6 | \$187,577 | \$1,125,462 | | | | | |
| SR 54 East | 6 | \$187,577 | \$1,125,462 | | | | | |
| | Subtotal Signalization Costs | | \$2,250,924 | | | | | |
| Subtotal Construction costs | | | \$840,164,857 | | | | | |
| Contingency | 25.00% | | \$210,041,214 | | | | | |
| Subtotal Construction costs | | | \$1,050,206,071 | | | | | |
| Design | 15% | | \$157,530,911 | | | | | |
| CEI | 15% | | \$157,530,911 | | | | | |
| Total Project Const & Engineering Cost | | | \$1,365,267,893 | | | | | |

APPENDIX B-4

| | | | | | | | | |
|---|---|--|--|--|--|--|--|--|
| Alternative No: 11 - SR 54 4-Lane Elevated | | | | | | | | |
| Notes: | Bridge width of 86.2' consists of two bridges of (2) 12' Lanes, (1) 10' Shoulder, (1) 6' Shoulder, and (2) 1.54 Barriers. | | | | | | | |
| | Widening the existing roadway at grade is necessary because the inside lane is in the way of the bridge supports. | | | | | | | |
| | SR 54 West existing signals are located at Starkey Blvd., Duck Slough Blvd., Trinity Blvd., Gunn Highway, Crossing Blvd., and at the Suncoast Parkway. | | | | | | | |
| | SR 54 East existing signals are located at the Suncoast Parkway, Ballantrae Blvd., unnamed road by the fire station, Sunslake Blvd., Oakstead Blvd., and US 41. | | | | | | | |
| | The signalization cost for SR 54 East and West is from FDOT Construction Cost of a 6-Lane Roadway intersecting a 6-Lane Roadway. FDOT has only established construction costs for a 2-Lane Roadway intersecting a 2-Lane Roadway, a 4-Lane Roadway intersecting a 4-Lane Roadway, and a 6-Lane Roadway intersecting a 6-Lane Roadway. | | | | | | | |
| | The interchange modifications are necessary to connect the elevated SR 54 and at grade SR 54 to the Suncoast. | | | | | | | |

APPENDIX B-4

| Alternative No: 12 - 2-Lane Tower Rd SR 54 add 2-Lanes | | | | | | | | | | |
|--|----|---|----------------------------|-----------------------|--------------|-----------------|----------|---------------|--------------|-------------------------|
| Existing Typical Section Tower West: | | | Undeveloped | | | | | | | |
| Existing Typical Section Tower East: | | | Undeveloped | | | | | | | |
| Existing Typical Section SR 54 West: | | | Urban/Rural 6-lane roadway | | | | | | | |
| Existing Typical Section SR 54 East: | | | Rural 4-lane roadway | | | | | | | |
| | | Gross Length | | | Net Length | | | Bridge Length | | |
| | | SR 54 West: | 6.763 | | SR 54 West: | 6.763 | | SR 54 West: | 0.000 | |
| | | SR 54 East: | 5.077 | | SR 54 East: | 5.077 | | SR 54 East: | 0.000 | |
| Tower Rd. West: | 1 | Starky Blvd. to a point approx 1/4 mile west on Trinity ext. | 1.520 | | 1.520 | | | | | |
| | 2 | West of Trinity Ext. to 1/2 mile East of Trinity Extension | 0.750 | | 0.750 | | | | | |
| | 3 | East of Trinity Ext. to Eastern Boundary of Starkey | 1.130 | | 1.130 | | | | | |
| | 4 | Eastern Boundary of Starkey to Western Boundary of Behnke (Asturia) | 0.660 | | 0.660 | | | | | |
| | 5 | Western Boundary of Behnke (Asturia) to Eastern Boundary of Behnke | 1.070 | | 1.070 | | | | | |
| | 6 | Eastern Boundary of Behnke to Suncoast | 0.820 | | 0.744 | | | 0.076 | | Bridge over Suncoast |
| Tower Rd. East: | 7 | Suncoast to Bexley Ranch Blvd. | 0.630 | | 0.630 | | | | | |
| | 8 | Bexley Ranch Blvd. to Future Balantrae connection | 0.840 | | 0.840 | | | | | |
| | 9 | Future Balantrae connection to Eastern Boundary of Bexley Ranch | 2.150 | | 2.150 | | | | | |
| | 10 | Eastern Boundary of Bexley Ranch to US 41. | 2.300 | | 2.274 | | | 0.026 | | Bridge over RailRoad |
| County Roadway Construction Cost | | | 2.22 | | \$0 | | | | | |
| Side | | Description | Length (ft) | FOOT Const. Cost/Mile | Const. Cost | MOT (Yes or No) | MOT Cost | Mobilization | Subtotal | Adjusted Subtotal (85%) |
| Tower Rd. West: | 1 | New 2-Lane Urban with 5' Sidewalks | 1.52 | \$4,840,624 | \$7,357,748 | No | \$0 | \$735,775 | \$8,093,523 | \$6,879,495 |
| | 2 | New 2-Lane Urban with 5' Sidewalks | 0.75 | \$0 | \$0 | No | \$0 | \$0 | \$0 | \$0 |
| | 3 | New 2-Lane Urban with 5' Sidewalks | 1.13 | \$4,840,624 | \$5,469,905 | No | \$0 | \$546,991 | \$6,016,896 | \$5,114,361 |
| | 4 | New 2-Lane Urban with 5' Sidewalks | 0.66 | \$4,840,624 | \$3,194,812 | No | \$0 | \$319,481 | \$3,514,293 | \$2,987,149 |
| | 5 | New 2-Lane Urban with 5' Sidewalks | 1.07 | \$4,840,624 | \$5,179,468 | No | \$0 | \$517,947 | \$5,697,414 | \$4,842,802 |
| | 6 | New 2-Lane Urban with 5' Sidewalks | 0.74 | \$4,840,624 | \$3,601,424 | No | \$0 | \$360,142 | \$3,961,567 | \$3,367,332 |
| Tower Rd. East: | 7 | New 2-Lane Urban with 5' Sidewalks | 0.63 | \$4,840,624 | \$3,049,593 | No | \$0 | \$304,959 | \$3,354,552 | \$2,851,370 |
| | 8 | New 2-Lane Urban with 5' Sidewalks | 0.84 | \$0 | \$0 | No | \$0 | \$0 | \$0 | \$0 |
| | 9 | New 2-Lane Urban with 5' Sidewalks | 2.15 | \$4,840,624 | \$10,407,342 | No | \$0 | \$1,040,734 | \$11,448,076 | \$9,730,864 |
| | 10 | New 2-Lane Urban with 5' Sidewalks | 2.27 | \$4,840,624 | \$11,007,579 | No | \$0 | \$1,100,758 | \$12,108,337 | \$10,292,086 |
| Subtotal Roadway Construction Costs | | | | | | | | | \$54,194,658 | \$46,065,459 |

APPENDIX B-4

| Alternative No: 12 - 2-Lane Tower Rd SR 54 add 2-Lanes | | | | | | | | | |
|--|--|-------------------------|---------------|-------------------------|------------|-------------|--------------|--------------|-------------|
| County Roadway Bridge Cost | | | | | | | | | |
| Side | Direction | Type | Location | Length (ft) | Width (ft) | Area (sf) | Cost/sf | Subtotal | Adjusted |
| Tower West | Both | Overpass | Suncoast | 400.0 | 47.1 | 18,840 | \$155.00 | \$2,920,200 | \$2,482,170 |
| Tower East | Both | Overpass | Railroad | 135.0 | 47.1 | 6,359 | \$155.00 | \$985,568 | \$837,732 |
| Subtotal Bridge Construction Costs | | | | | | | | \$3,905,768 | \$3,319,902 |
| County Roadway Special Pipe Crossing Protection Costs | | | | | | | | | |
| Side | Direction | Type | Length (ft) | Cost/LF | Subtotal | Adjusted | | | |
| Tower West | Both | Casing | 400 | \$840 | \$336,000 | \$285,600 | | | |
| Tower East | Both | Casing | 400 | \$840 | \$336,000 | \$285,600 | | | |
| Subtotal Pipe Protection Costs | | | | | | \$571,200 | | | |
| County Roadway Signalization Cost | | | | | | | | | |
| Side | # of Signals | FDOT Const. Cost/Signal | 135 | Adjusted Subtotal (85%) | | | | | |
| Tower West | 1 | \$117,519 | \$117,519 | \$99,891 | | | | | |
| Tower East | 1 | \$187,577 | \$187,577 | \$159,440 | | | | | |
| Subtotal Signalization Costs | | | | \$259,332 | | | | | |
| Subtotal Construction costs | | | \$50,215,893 | | | | | | |
| Contingency (10%) | | | \$5,021,589 | | | | | | |
| Subtotal Construction costs | | | \$55,237,483 | | | | | | |
| Design | 5% | \$2,761,874 | | | | | | | |
| CEI | 3% | \$1,657,124 | | | | | | | |
| County Roadway Const & Engineering Cost | | | \$59,656,481 | | | | | | |
| State Highway System Construction Cost | | | | | | | | | |
| Side | Description | Length (miles) | FDOT Const. | Const. Cost | MOT | MOT Cost | Mobilization | Subtotal | |
| SR 54 West | Add Lanes (6 to 8) with 5' Shoulders (Urban) | 6.76 | \$6,581,386 | \$44,490,169 | Yes | \$4,449,017 | \$4,893,919 | \$53,833,105 | |
| SR 54 East | Add 1 Thru Lane (Urban) on Outside w/ 5' S/W, & C&G | 5.08 | \$2,420,914 | \$12,298,243 | Yes | \$1,229,824 | \$1,352,807 | \$14,880,874 | |
| SR 54 East | Rural Milling & Resurfacing (4-Lane) with 5' Shoulders | 5.08 | \$1,145,229 | \$5,817,763 | Yes | \$581,776 | \$639,954 | \$7,039,494 | |
| Subtotal Roadway Construction Costs | | | | | | | | \$75,753,473 | |
| State Highway System Signalization Cost | | | | | | | | | |
| Side | # of Signals | FDOT Const. | Subtotal | | | | | | |
| SR 54 West | 6 | \$187,577 | \$1,125,462 | | | | | | |
| SR 54 East | 6 | \$187,577 | \$1,125,462 | | | | | | |
| Subtotal Signalization Costs | | | \$2,250,924 | | | | | | |
| Subtotal Construction costs | | | \$78,004,397 | | | | | | |
| Contingency (25%) | | | \$19,501,099 | | | | | | |
| Subtotal Construction costs | | | \$97,505,496 | | | | | | |
| Design | 15% | \$14,625,824 | | | | | | | |
| CEI | 15% | \$14,625,824 | | | | | | | |
| State Highway System Const & Engineering Cost | | | \$126,757,145 | | | | | | |
| Total Project Const & Engineering Cost | | | \$186,413,626 | | | | | | |

APPENDIX B-4

| Alternative No: 13 - SR 52 add 2-Lanes SR 54 add 2-Lanes | | | | | | | | |
|---|--|----------------------------|-----------------------|-------------------|-----------------|--|--------------|----------------------|
| Existing Typical Section SR 52 West: | | Urban 6-lane roadway | | | | | | |
| Existing Typical Section SR 52 East: | | Rural 2-lane roadway | | | | | | |
| Existing Typical Section SR 54 West: | | Urban/Rural 6-lane roadway | | | | | | |
| Existing Typical Section SR 54 East: | | Rural 4-lane roadway | | | | | | |
| | Gross Length | | | Net Length | | Bridge Length | | |
| | SR 52 West: | 3.167 | | SR 52 West: | 3.167 | SR 52 West: | 0.000 | |
| | SR 52 East: | 3.109 | | SR 52 East: | 3.109 | SR 52 East: | 0.000 | |
| | SR 54 West: | 6.763 | | SR 54 West: | 6.763 | SR 54 West: | 0.000 | |
| | SR 54 East: | 5.077 | | SR 54 East: | 5.077 | SR 54 East: | 0.000 | |
| State Highway System Construction Cost | | 2.22 | | | \$0 | | | |
| Side | Description | Length (miles) | FDOT Const. Cost/Mile | Const. Cost | MOT (Yes or No) | MOT Cost | Mobilization | Subtotal |
| SR 52 West | Add Lanes (6 to 8) with 5' Sidewalks and C&G (Urban) | 3.17 | \$5,959,158 | \$18,890,531 | Yes | \$1,889,053 | \$2,077,958 | \$22,857,542 |
| SR 52 East | New Construction (4-Lane Roadway) with 5' S/W, C&G | 3.11 | \$6,832,753 | \$21,249,862 | Yes | \$2,124,986 | \$2,337,485 | \$25,712,333 |
| SR 54 West | Add Lanes (6 to 8) with 5' Sidewalks and C&G (Urban) | 6.76 | \$6,581,386 | \$44,490,169 | Yes | \$4,449,017 | \$4,893,919 | \$53,833,105 |
| SR 54 East | Add 1 Thru Lane (Urban) on Outside w/ 5' S/W, & C&G | 5.08 | \$2,420,914 | \$12,298,243 | Yes | \$1,229,824 | \$1,352,807 | \$14,880,874 |
| SR 54 East | Rural Milling & Resurfacing (4-Lane) with 5' Shoulders | 5.08 | \$1,145,229 | \$5,817,763 | Yes | \$581,776 | \$639,954 | \$7,039,494 |
| | | | | | | Subtotal Roadway Construction Costs | | \$124,323,348 |
| | | | \$900 | | | | | |
| State Highway System Signalization Cost | | | | | | | | |
| Side | # of Signals | FDOT Const. | Subtotal | | | | | |
| SR 52 West | 4 | \$187,577 | \$750,308 | | | | | |
| SR 52 East | 3 | \$147,128 | \$441,384 | | | | | |
| SR 54 West | 6 | \$187,577 | \$1,125,462 | | | | | |
| SR 54 East | 6 | \$187,577 | \$1,125,462 | | | | | |
| Subtotal Signalization Costs | | | \$3,442,616 | | | | | |

APPENDIX B-4

| Alternative No: 14 - 2-Lane Tower Rd SR 52 add 2-Lanes | | | | | | | | | | |
|--|----|--|-------------|-----------------------|-------------------|-----------------|-------------------|-------------------------------------|--------------|-------------------------|
| Existing Typical Section SR 52 West: | | Urban 6-lane roadway | | | | | | | | |
| Existing Typical Section SR 52 East: | | Rural 2-lane roadway | | | | | | | | |
| Existing Typical Section Tower West: | | Undeveloped | | | | | | | | |
| Existing Typical Section Tower East: | | Undeveloped | | | | | | | | |
| | | | | | | | | | | |
| | | Gross Length | | | Net Length | | Bridge Length | | | |
| | | SR 52 West: 3.167 | | | SR 52 West: 3.167 | | SR 52 West: 0.000 | | | |
| | | SR 52 East: 3.109 | | | SR 52 East: 3.109 | | SR 52 East: 0.000 | | | |
| Tower Rd. West: | 1 | Starky Blvd. to a point approx 1/4 mile west on Trinity ext. | 1.520 | | 1.520 | | | | | |
| | 2 | West of Trinity Ext. to 1/2 mile East of Trinity Extension | 0.750 | | 0.750 | | | | | |
| | 3 | East of Trinity Ext. to Eastern Boundary of Starkey | 1.130 | | 1.130 | | | | | |
| | 4 | Eastern Boundary of Starkey to Western Boundary of Behnke | 0.660 | | 0.660 | | | | | |
| | 5 | Western Boundary of Behnke (Asturia) to Eastern Boundary of | 1.070 | | 1.070 | | | | | |
| | 6 | Eastern Boundary of Behnke to Suncoast | 0.820 | | 0.744 | | | 0.076 | | Bridge over Suncoast |
| Tower Rd. East: | 7 | Suncoast to Bexley Ranch Blvd. | 0.630 | | 0.630 | | | | | |
| | 8 | Bexley Ranch Blvd. to Future Balantrae connection | 0.840 | | 0.840 | | | | | |
| | 9 | Future Balantrae connection to Eastern Boundary of Bexley | 2.150 | | 2.150 | | | | | |
| | 10 | Eastern Boundary of Bexley Ranch to US 41. | 2.300 | | 2.274 | | | 0.026 | | Bridge over RailRoad |
| | | County Roadway Construction Cost 2.22 | | | \$0 | | | | | |
| Side | | Description | Length (ft) | FDOT Const. Cost/Mile | Const. Cost | MOT (Yes or No) | MOT Cost | Mobilization | Subtotal | Adjusted Subtotal (85%) |
| Tower Rd. West: | 1 | New 2-Lane Urban with 5' SW | 1.52 | \$4,840,624 | \$7,357,748 | No | \$0 | \$735,775 | \$8,093,523 | \$6,879,495 |
| | 2 | New 2-Lane Urban with 5' SW | 0.75 | \$0 | \$0 | No | \$0 | \$0 | \$0 | \$0 |
| | 3 | New 2-Lane Urban with 5' SW | 1.13 | \$4,840,624 | \$5,469,905 | No | \$0 | \$546,991 | \$6,016,896 | \$5,114,361 |
| | 4 | New 2-Lane Urban with 5' SW | 0.66 | \$4,840,624 | \$3,194,812 | No | \$0 | \$319,481 | \$3,514,293 | \$2,987,149 |
| | 5 | New 2-Lane Urban with 5' SW | 1.07 | \$4,840,624 | \$5,179,468 | No | \$0 | \$517,947 | \$5,697,414 | \$4,842,802 |
| | 6 | New 2-Lane Urban with 5' SW | 0.74 | \$4,840,624 | \$3,601,424 | No | \$0 | \$360,142 | \$3,961,567 | \$3,367,332 |
| Tower Rd. East: | 7 | New 2-Lane Urban with 5' SW | 0.63 | \$4,840,624 | \$3,049,593 | No | \$0 | \$304,959 | \$3,354,552 | \$2,851,370 |
| | 8 | New 2-Lane Urban with 5' SW | 0.84 | \$0 | \$0 | No | \$0 | \$0 | \$0 | \$0 |
| | 9 | New 2-Lane Urban with 5' SW | 2.15 | \$4,840,624 | \$10,407,342 | No | \$0 | \$1,040,734 | \$11,448,076 | \$9,730,864 |
| | 10 | New 2-Lane Urban with 5' SW | 2.27 | \$4,840,624 | \$11,007,579 | No | \$0 | \$1,100,758 | \$12,108,337 | \$10,292,086 |
| | | | | | | | | Subtotal Roadway Construction Costs | \$54,194,658 | \$46,065,459 |

APPENDIX B-4

| Alternative No: 14 - 2-Lane Tower Rd SR 52 add 2-Lanes | | | | | | | | | | |
|--|--|----------------|---------------|--------------|------------|-------------|--------------|--------------|-------------|--|
| County Roadway Bridge Cost | | | | | | | | | | |
| Side | Direction | Type | Location | Length (ft) | Width (ft) | Area (sf) | Cost/sf | Subtotal | Adjusted | |
| Tower West | Both | Overpass | Suncoast | 400.0 | 47.1 | 18,840 | \$155.00 | \$2,920,200 | \$2,482,170 | |
| Tower East | Both | Overpass | Railroad | 135.0 | 47.1 | 6,359 | \$155.00 | \$985,568 | \$837,732 | |
| Subtotal Bridge Construction Costs | | | | | | | | \$3,905,768 | \$3,319,902 | |
| County Roadway Special Pipe Crossing Protection Costs | | | | | | | | | | |
| Side | Direction | Type | Length (ft) | Cost/LF | Subtotal | Adjusted | | | | |
| Tower West | Both | Casing | 400 | \$840 | \$336,000 | \$285,600 | | | | |
| Tower East | Both | Casing | 400 | \$840 | \$336,000 | \$285,600 | | | | |
| Subtotal Pipe Protection Costs | | | | | | \$571,200 | | | | |
| County Roadway Signalization Cost | | | | | | | | | | |
| Side | # of Signals | FDOT Const. | 135 | Adjusted | | | | | | |
| Tower West | 1 | \$117,519 | \$117,519 | \$99,891 | | | | | | |
| Tower East | 1 | \$187,577 | \$187,577 | \$159,440 | | | | | | |
| Subtotal Signalization Costs | | | \$259,332 | | | | | | | |
| Subtotal Construction costs | | | \$50,215,893 | | | | | | | |
| Contingency (10%) | | | \$5,021,589 | | | | | | | |
| Subtotal Construction costs | | | \$55,237,483 | | | | | | | |
| Design | 5% | | | \$2,761,874 | | | | | | |
| CEI | 3% | | | \$1,657,124 | | | | | | |
| County Roadway Project Const & Engineering Cost | | | \$59,656,481 | | | | | | | |
| State Highway System Construction Cost | | | | | | | | | | |
| Side | Description | Length (miles) | FDOT Const. | Const. Cost | MOT | MOT Cost | Mobilization | Subtotal | | |
| SR 52 West | Add Lanes (6 to 8) with 5' Sidewalks & C&G (Urban) | 3.17 | \$6,115,218 | \$19,385,241 | Yes | \$1,938,524 | \$2,132,377 | \$23,456,142 | | |
| SR 52 East | New Construction (4-Lane Roadway) with 5' S/W, C&G | 3.11 | \$6,832,753 | \$21,249,862 | Yes | \$2,124,986 | \$2,337,485 | \$25,712,333 | | |
| Subtotal Roadway Construction Costs | | | | | | | | \$49,168,474 | | |
| State Highway System Signalization Cost | | | | | | | | | | |
| Side | # of Signals | FDOT Const. | Subtotal | | | | | | | |
| SR 52 West | 4 | \$187,577 | \$750,308 | | | | | | | |
| SR 52 East | 3 | \$147,128 | \$441,384 | | | | | | | |
| Subtotal Signalization Costs | | | \$1,191,692 | | | | | | | |
| Subtotal Construction costs | | | \$50,360,166 | | | | | | | |
| Contingency (25%) | | | \$12,590,042 | | | | | | | |
| Subtotal Construction costs | | | \$62,950,208 | | | | | | | |
| Design | 15% | | | \$9,442,531 | | | | | | |
| CEI | 15% | | | \$9,442,531 | | | | | | |
| State Highway System Project Const & Engineering Cost | | | \$81,835,271 | | | | | | | |
| Total Project Const & Engineering Cost | | | \$141,491,752 | | | | | | | |

APPENDIX B-4

| Alternative No: 14 - 2-Lane Tower Rd SR 52 add 2-Lanes | | | | | | | | | |
|--|---|--|--|--|--|--|--|--|--|
| Notes: | | | | | | | | | |
| | There are 3 bridges; at the Suncoast, at the railroad crossing and over the wetland approaching US 41. | | | | | | | | |
| | The bridge on Tower Road is (2) 12' lanes, (2) 10' Shoulders, and (2) 1.54' Barriers. | | | | | | | | |
| | Bridge over the Suncoast Parkway is included with the west side costs. | | | | | | | | |
| | Pipe protection costs for existing TBW 84" WM is per information provided by TBW. | | | | | | | | |
| | Tower Road West proposed signal is at Starkey Blvd. and Tower Road East proposed Signal is at US 41. | | | | | | | | |
| | SR 52 West existing signals are located at Moon Lake Rd., Hays Rd., Silver Palm Blvd., and at the Suncoast Parkway. | | | | | | | | |
| | SR 52 East existing signals are located at the Suncoast Parkway, Shady Hills Rd., and US 41. | | | | | | | | |
| | The signalization cost for SR 52 West and Tower East is from FDOT Construction Cost of a 6-Lane Roadway intersecting a 6-Lane Roadway, the signalization cost for SR 52 East is from a 4-Lane Roadway intersecting a 4-Lane Roadway, and the cost at Tower Road West is from a 2-Lane Roadway intersecting a 2-Lane Roadway. FDOT has only established construction costs for a 2-Lane Roadway intersecting a 2-Lane Roadway, a 4-Lane Roadway intersecting a 4-Lane Roadway, and a 6-Lane Roadway intersecting a 6-Lane Roadway. | | | | | | | | |

APPENDIX B-4

| Alternative No: 15 - 2-Lane RRE 2-Lane Tower Rd | | | | | | | | | | |
|---|---|--|-----------------------|-----------------|-----------------|-----------------|--------------|----------------------|-------------------------|--------------|
| Existing Typical Section Ridge Rd. West: | | Undeveloped | | | | | | | | |
| Existing Typical Section Ridge Rd. East: | | Undeveloped | | | | | | | | |
| Existing Typical Section Tower West: | | Undeveloped | | | | | | | | |
| Existing Typical Section Tower East: | | Undeveloped | | | | | | | | |
| Gross Length | | | | Net Length | | Bridge Length | | | | |
| Ridge Rd. West: | | 4.708 | | Ridge Rd. West: | 4.525 | Ridge Rd. West: | 0.183 | | | |
| Ridge Rd. East: | | 3.933 | | Ridge Rd. East: | 3.882 | Ridge Rd. East: | 0.051 | | | |
| Tower Rd. West: | 1 | Starky Blvd. to a point approx 1/4 mile west on Trinity ext. | 1.520 | | 1.520 | | | | | |
| | 2 | West of Trinity Ext. to 1/2 mile East of Trinity Extension | 0.750 | | 0.750 | | | | | |
| | 3 | East of Trinity Ext. to Eastern Boundary of Starkey | 1.130 | | 1.130 | | | | | |
| | 4 | Eastern Boundary of Starkey to Western Boundary of Behnke | 0.660 | | 0.660 | | | | | |
| | 5 | Western Boundary of Behnke (Asturia) to Eastern Boundary of | 1.070 | | 1.070 | | | | | |
| | 6 | Eastern Boundary of Behnke to Suncoast | 0.820 | | 0.744 | | 0.076 | Bridge over Suncoast | | |
| Tower Rd. East: | 7 | Suncoast to Bexley Ranch Blvd. | 0.630 | | 0.630 | | | | | |
| | 8 | Bexley Ranch Blvd. to Future Balantrae connection | 0.840 | | 0.840 | | | | | |
| | 9 | Future Balantrae connection to Eastern Boundary of Bexley | 2.150 | | 2.150 | | | | | |
| | 10 | Eastern Boundary of Bexley Ranch to US 41. | 2.300 | | 2.274 | | 0.026 | Bridge over Railroad | | |
| County Roadway Construction Cost | | | 2.22 | | \$0 | | | | | |
| Side | Description | Length (miles) | FDOT Const. Cost/Mile | Const. Cost | MOT (Yes or No) | MOT Cost | Mobilization | Subtotal | Adjusted Subtotal (85%) | |
| Ridge West | New 4-Lane Urban with Sidewalk and C&G 5' | 1.59 | \$6,832,753 | \$10,864,077 | No | \$0 | \$1,086,408 | \$11,950,485 | \$10,157,912 | |
| Ridge West | Multi-Use Trail | 1.59 | \$170,032 | \$270,351 | No | \$0 | \$27,035 | \$297,386 | \$252,778 | |
| Ridge West | New 2-Lane Rural with Paved Shoulders 5' | 2.94 | \$3,351,896 | \$9,854,574 | No | \$0 | \$985,457 | \$10,840,032 | \$9,214,027 | |
| Ridge West | Multi-Use Trail | 2.94 | \$170,032 | \$499,894 | No | \$0 | \$49,989 | \$549,883 | \$467,401 | |
| Ridge East | New 2-Lane Rural with Paved Shoulders 5' | 3.88 | \$3,351,896 | \$13,005,356 | No | \$0 | \$1,300,536 | \$14,305,892 | \$12,160,008 | |
| Ridge East/West* | 1 Through Lane on the Outside (Ramps) | 1.56 | \$1,334,043 | \$2,081,107 | No | \$0 | \$208,111 | \$2,289,218 | \$1,945,835 | |
| Tower Rd. West: | 1 | New 2-Lane Urban with 5' SW | 1.52 | \$4,840,624 | \$7,357,748 | No | \$0 | \$735,775 | \$8,093,523 | \$6,879,495 |
| | 2 | New 2-Lane Urban with 5' SW | 0.75 | \$0 | \$0 | No | \$0 | \$0 | \$0 | \$0 |
| | 3 | New 2-Lane Urban with 5' SW | 1.13 | \$4,840,624 | \$5,469,905 | No | \$0 | \$546,991 | \$6,016,896 | \$5,114,361 |
| | 4 | New 2-Lane Urban with 5' SW | 0.66 | \$4,840,624 | \$3,194,812 | No | \$0 | \$319,481 | \$3,514,293 | \$2,987,149 |
| | 5 | New 2-Lane Urban with 5' SW | 1.07 | \$4,840,624 | \$5,179,468 | No | \$0 | \$517,947 | \$5,697,414 | \$4,842,802 |
| | 6 | New 2-Lane Urban with 5' SW | 0.74 | \$4,840,624 | \$3,601,424 | No | \$0 | \$360,142 | \$3,961,567 | \$3,367,332 |
| Tower Rd. East: | 7 | New 2-Lane Urban with 5' SW | 0.63 | \$4,840,624 | \$3,049,593 | No | \$0 | \$304,959 | \$3,354,552 | \$2,851,370 |
| | 8 | New 2-Lane Urban with 5' SW | 0.84 | \$0 | \$0 | No | \$0 | \$0 | \$0 | \$0 |
| | 9 | New 2-Lane Urban with 5' SW | 2.15 | \$4,840,624 | \$10,407,342 | No | \$0 | \$1,040,734 | \$11,448,076 | \$9,730,864 |
| | 10 | New 2-Lane Urban with 5' SW | 2.27 | \$4,840,624 | \$11,007,579 | No | \$0 | \$1,100,758 | \$12,108,337 | \$10,292,086 |
| Subtotal Roadway Construction Costs | | | | | | | | \$94,427,554 | \$80,263,421 | |

APPENDIX B-4

| Alternative No: 15 - 2-Lane RRE 2-Lane Tower Rd | | | | | | | | | |
|--|--|-------------------------|----------------------|-------------------------|------------|-----------|----------|--------------|--------------|
| County Roadway Bridge Cost | | | | | | | | | |
| Side | Direction | Type | Location | Length (ft) | Width (ft) | Area (sf) | Cost/sf | Subtotal | Adjusted |
| Ridge West | East/West | Mid Level | River | 845.0 | 60.0 | 50,700 | \$145.00 | \$7,351,500 | \$6,248,775 |
| Ridge West | East/West | Mid Level | Wildlife | 120.0 | 60.0 | 7,200 | \$145.00 | \$1,044,000 | \$887,400 |
| Ridge East | East/West | Overpass | Easement | 135.0 | 47.1 | 6,359 | \$155.00 | \$985,568 | \$837,732 |
| Ridge East | East/West | Overpass | Railroad | 135.0 | 47.1 | 6,359 | \$155.00 | \$985,568 | \$837,732 |
| Tower West | Both | Overpass | Suncoast | 400.0 | 47.1 | 18,840 | \$155.00 | \$2,920,200 | \$2,482,170 |
| Tower East | Both | Overpass | Railroad | 135.0 | 47.1 | 6,359 | \$155.00 | \$985,568 | \$837,732 |
| Subtotal Bridge Construction Costs | | | | | | | | \$14,272,403 | \$12,131,542 |
| County Roadway Special Pipe Crossing Protection Costs | | | | | | | | | |
| Side | Direction | Type | Length (ft) | Cost/LF | Subtotal | Adjusted | | | |
| Tower West | Both | Casing | 400 | \$840 | \$336,000 | \$285,600 | | | |
| Tower East | Both | Casing | 400 | \$840 | \$336,000 | \$285,600 | | | |
| Subtotal Pipe Protection Costs | | | | | | \$571,200 | | | |
| County Roadway Signalization Cost | | | | | | | | | |
| Side | # of Signals | FDOT Const. Cost/Signal | Subtotal | Adjusted Subtotal (85%) | | | | | |
| Ridge West | 1 | \$117,519 | \$117,519 | \$99,891 | | | | | |
| Ridge East | 1 | \$187,577 | \$187,577 | \$159,440 | | | | | |
| Tower West | 1 | \$117,519 | \$117,519 | \$99,891 | | | | | |
| Tower East | 1 | \$187,577 | \$187,577 | \$159,440 | | | | | |
| Subtotal Signalization Costs | | | \$518,663 | | | | | | |
| Subtotal Construction costs | | | \$93,484,826 | | | | | | |
| Contingency (10%) | | | \$9,348,483 | | | | | | |
| Subtotal Construction costs | | | \$102,833,309 | | | | | | |
| Design | 5% | \$5,141,665 | | | | | | | |
| CEI | 3% | \$3,084,999 | | | | | | | |
| Total Project Const & Engineering Cost | | | \$111,059,974 | | | | | | |
| Notes: | Bridge width of 60.0' consists of (2) 12' Lanes, (2) 10' Shoulders, (1) 12' Trail and (1) 1' Parapet, (1) 1.5' Barrier and (1) 1.54' Barriers. | | | | | | | | |
| | Bridge width of 47.1' consists of (2) 12' lanes, (2) 10' Shoulders, and (2) 1.54' Barriers | | | | | | | | |
| | The ramps are the 4 ramps calculated from the Suncoast Parkway and Ridge Road Interchange (Phase II) Plans. | | | | | | | | |
| | Pipe protection costs for existing TBW 84" WM is per information provided by TBW. | | | | | | | | |
| | Ridge Road West proposed signalization is located at Starkey Blvd. | | | | | | | | |
| | Ridge Road East proposed signalization is located at US 41. | | | | | | | | |
| | Tower Road West proposed signal is at Starkey Blvd. and Tower Road East proposed Signal is at US 41. | | | | | | | | |
| | The signalization cost for Ridge Road West and Tower West is from FDOT Construction Cost of a 2-Lane Roadway intersecting a 2-Lane Roadway and the signalization cost for Ridge Road West and Tower Road West is from a 6-Lane Roadway intersecting a 6-Lane Roadway. FDOT has only established construction costs for a 2-Lane Roadway intersecting a 2-Lane Roadway, a 4-Lane Roadway intersecting a 4-Lane Roadway, and a 6-Lane Roadway intersecting a 6-Lane Roadway. | | | | | | | | |

APPENDIX B-4

| Alternative No: 16 - 2-Lane RRE SR 52 add 2-Lanes | | | | | | | | | |
|--|---|----------------------|-----------------------|-------------------------------------|-----------------|---------------|--------------|-----------------------|-------------------------|
| Existing Typical Section Ridge Rd. West: | | Undeveloped | | | | | | | |
| Existing Typical Section Ridge Rd. East: | | Undeveloped | | | | | | | |
| Existing Typical Section SR 52 West: | | Urban 6-lane roadway | | | | | | | |
| Existing Typical Section SR 52 East: | | Rural 2-lane roadway | | | | | | | |
| Gross Length | | | | Net Length | | Bridge Length | | | |
| Ridge Rd. West: | | 4.708 | | Ridge Rd. West: | | 4.525 | | Ridge Rd. West: 0.183 | |
| Ridge Rd. East: | | 3.933 | | Ridge Rd. East: | | 3.882 | | Ridge Rd. East: 0.051 | |
| SR 52 West: | | 3.167 | | SR 52 West: | | 3.167 | | SR 52 West: 0.000 | |
| SR 52 East: | | 3.109 | | SR 52 East: | | 3.109 | | SR 52 East: 0.000 | |
| County Roadway Construction Cost | | 2.22 | | \$0 | | | | | |
| Side | Description | Length (miles) | FDOT Const. Cost/Mile | Const. Cost | MOT (Yes or No) | MOT Cost | Mobilization | Subtotal | Adjusted Subtotal (85%) |
| Ridge West | New 2-Lane Urban with 5' Sidewalk and C&G | 1.59 | \$4,840,624 | \$7,696,592 | No | \$0 | \$769,659 | \$8,466,251 | \$7,196,314 |
| Ridge West | Multi-Use Trail | 1.59 | \$170,032 | \$270,351 | No | \$0 | \$27,035 | \$297,386 | \$252,778 |
| Ridge West | New 2-Lane Rural with 5' Paved Shoulders | 2.94 | \$4,840,624 | \$14,231,435 | No | \$0 | \$1,423,143 | \$15,654,578 | \$13,306,391 |
| Ridge West | Multi-Use Trail | 2.94 | \$170,032 | \$499,894 | No | \$0 | \$49,989 | \$549,883 | \$467,401 |
| Ridge East | New 2-Lane Rural with 5' Paved Shoulders | 3.88 | \$3,351,896 | \$13,005,356 | No | \$0 | \$1,300,536 | \$14,305,892 | \$12,160,008 |
| Ridge East/West* | 1 Through Lane on the Outside (Ramps) | 1.56 | \$1,334,043 | \$2,081,107 | No | \$0 | \$208,111 | \$2,289,218 | \$1,945,835 |
| | | | \$900 | Subtotal Roadway Construction Costs | | | | \$41,563,209 | \$35,328,727 |
| County Roadway Bridge Cost | | | | | | | | | |
| Side | Direction | Type | Length (ft) | Width (ft) | Area (sf) | Cost/sf | Subtotal | Adjusted | |
| Ridge West | East/West | Mid Level | 845.0 | 60.0 | 50,700 | \$145.00 | \$7,351,500 | \$6,248,775 | |
| Ridge West | East/West | Mid Level | 120.0 | 60.0 | 7,200 | \$145.00 | \$1,044,000 | \$887,400 | |
| Ridge East | East/West | Overpass | 135.0 | 47.1 | 6,359 | \$155.00 | \$985,568 | \$837,732 | |
| Ridge East | East/West | Overpass | 135.0 | 47.1 | 6,359 | \$155.00 | \$985,568 | \$837,732 | |
| Subtotal Bridge Construction Costs | | | | | | | \$10,366,635 | \$8,811,640 | |
| County Roadway Signalization Cost | | | | | | | | | |
| Side | # of Signals | FDOT Const. | Subtotal | Adjusted | | | | | |
| Ridge West | 1 | \$147,128 | \$135 | \$115 | | | | | |
| Ridge East | 1 | \$187,577 | \$187,577 | \$159,440 | | | | | |
| Subtotal Signalization Costs | | | \$159,555 | | | | | | |
| Subtotal Construction costs | | | \$44,299,922 | | | | | | |
| Contingency (10%) | | | \$4,429,992 | | | | | | |
| Subtotal Construction costs | | | \$48,729,915 | | | | | | |
| Design | 5% | \$2,436,496 | | | | | | | |
| CEI | 3% | \$1,461,897 | | | | | | | |
| County Roadway Total Project Const & Engineering Cost | | | \$52,628,308 | | | | | | |

APPENDIX B-4

| Alternative No: 16 - 2-Lane RRE SR 52 add 2-Lanes | | | | | | | | |
|--|--|-------------|----------------------|--------------|-----|-------------|--------------|---------------------|
| State Highway System Construction Cost | | | | | | | | |
| Side | Description | Length (ft) | FDOT Const. | Const. Cost | MOT | MOT Cost | Mobilization | Subtotal |
| SR 52 West | Add Lanes (6 to 8) with 5' Sidewalks and C&G (Urban) | 3.17 | \$6,115,218 | \$19,385,241 | Yes | \$1,938,524 | \$2,132,377 | \$23,456,142 |
| SR 52 East | New Construction (4-Lane Roadway) with 5' S/W, C&G | 3.11 | \$6,832,753 | \$21,249,862 | Yes | \$2,124,986 | \$2,337,485 | \$25,712,333 |
| Subtotal Roadway Construction Costs | | | | | | | | \$49,168,474 |
| State Highway System Signalization Cost | | | | | | | | |
| Side | # of Signals | FDOT Const. | Subtotal | | | | | |
| SR 52 West | 4 | \$187,577 | \$750,308 | | | | | |
| SR 52 East | 3 | \$187,577 | \$562,731 | | | | | |
| Subtotal Signalization Costs | | | \$1,313,039 | | | | | |
| Subtotal Construction costs | | | \$50,481,513 | | | | | |
| Contingency (25%) | | | \$12,620,378 | | | | | |
| Subtotal Construction costs | | | \$63,101,892 | | | | | |
| Design | 15% | | \$9,465,284 | | | | | |
| CEI | 15% | | \$9,465,284 | | | | | |
| State Highway System Project Const & Engineering Cost | | | \$82,032,459 | | | | | |
| Total Project Const & Engineering Cost | | | \$134,660,767 | | | | | |
| Notes: | Bridge width of 60.0' consists of (2) 12' Lanes, (2) 10' Shoulders, (1) 12' Trail and (1) 1' Parapet, (1) 1.5' Barrier and (1) 1.54' Barriers. | | | | | | | |
| | Bridge width of 47.1' consists of (2) 12' lanes, (2) 10' Shoulders, and (2) 1.54' Barriers | | | | | | | |
| | The ramps are the 4 ramps calculated from the Suncoast Parkway and Ridge Road Interchange (Phase II) Plans. | | | | | | | |
| | SR 52 West existing signals are located at Moon Lake Rd., Hays Rd., Silver Palm Blvd., and at the Suncoast Parkway. | | | | | | | |
| | SR 52 East existing signals are located at the Suncoast Parkway, Shady Hills Rd., and US 41. | | | | | | | |
| | Ridge Road West proposed signalization is located at Starkey Blvd. | | | | | | | |
| | Ridge Road East proposed signalization is located at US 41. | | | | | | | |
| | The signalization cost for SR 52 West and Ridge Road East is from FDOT Construction Cost of a 6-Lane Roadway intersecting a 6-Lane Roadway, the signalization cost for SR 52 East is from a 4-Lane Roadway intersecting a 4-Lane Roadway, and the cost at Ridge Road West is from a 2-Lane Roadway intersecting a 2-Lane Roadway. FDOT has only established construction costs for a 2-Lane Roadway intersecting a 2-Lane Roadway, a 4-Lane Roadway intersecting a 4-Lane Roadway, and a 6-Lane Roadway intersecting a 6-Lane Roadway. | | | | | | | |

APPENDIX B-4

| Alternative No: 17 - 2-Lane RRE SR 54 add 2-Lanes | | | | | | | | | |
|--|---|------------------------------|-----------------------|-----------------|-------------------------------------|----------|-----------------|--------------|-------------------------|
| Existing Typical Section Ridge Rd. West: | Undeveloped | | | | | | | | |
| Existing Typical Section Ridge Rd. East: | Undeveloped | | | | | | | | |
| Existing Typical Section SR 54 West: | Urban/Rural 6-lane roadway | | | | | | | | |
| Existing Typical Section SR 54 East: | Rural 4-lane roadway | | | | | | | | |
| | Gross Length | | | Net Length | | | Bridge Length | | |
| | Ridge Rd. West: | 4.708 | | Ridge Rd. West: | 4.525 | | Ridge Rd. West: | 0.183 | |
| | Ridge Rd. East: | 3.933 | | Ridge Rd. East: | 3.882 | | Ridge Rd. East: | 0.051 | |
| | SR 54 West: | 6.763 | | SR 54 West: | 6.763 | | SR 54 West: | 0.000 | |
| | SR 54 East: | 5.077 | | SR 54 East: | 5.077 | | SR 54 East: | 0.000 | |
| County Roadway Construction Cost | | 2.22 | | | \$0 | | | | |
| Side | Description | Length (miles) | FDOT Const. Cost/Mile | Const. Cost | MOT (Yes or No) | MOT Cost | Mobilization | Subtotal | Adjusted Subtotal (85%) |
| Ridge West | New 2-Lane Urban with 5' Sidewalk and C&G | 1.59 | \$4,840,624 | \$7,696,592 | No | \$0 | \$769,659 | \$8,466,251 | \$7,196,314 |
| Ridge West | Multi-Use Trail | 1.59 | \$170,032 | \$270,351 | No | \$0 | \$27,035 | \$297,386 | \$252,778 |
| Ridge West | New 2-Lane Rural with 5' Paved Shoulders | 2.94 | \$3,351,896 | \$9,854,574 | No | \$0 | \$985,457 | \$10,840,032 | \$9,214,027 |
| Ridge West | Multi-Use Trail | 2.94 | \$170,032 | \$499,894 | No | \$0 | \$49,989 | \$549,883 | \$467,401 |
| Ridge East | New 2-Lane Rural with 5' Paved Shoulders | 3.88 | \$3,351,896 | \$13,005,356 | No | \$0 | \$1,300,536 | \$14,305,892 | \$12,160,008 |
| Ridge East/West* | 1 Through Lane on the Outside (Ramps) | 1.56 | \$1,334,043 | \$2,081,107 | No | \$0 | \$208,111 | \$2,289,218 | \$1,945,835 |
| | | | \$900 | | Subtotal Roadway Construction Costs | | | \$36,748,662 | \$31,236,363 |
| County Roadway Bridge Cost | | | | | | | | | |
| Side | Direction | Type | Length (ft) | Width (ft) | Area (sf) | Cost/sf | Subtotal | Adjusted | |
| Ridge West | East/West | Mid Level | 845.0 | 60.0 | 50,700 | \$145.00 | \$7,351,500 | \$6,248,775 | |
| Ridge West | East/West | Mid Level | 120.0 | 60.0 | 7,200 | \$145.00 | \$1,044,000 | \$887,400 | |
| Ridge East | East/West | Overpass | 135.0 | 47.1 | 6,359 | \$155.00 | \$985,568 | \$837,732 | |
| Ridge East | East/West | Overpass | 135.0 | 47.1 | 6,359 | \$155.00 | \$985,568 | \$837,732 | |
| | | | | | Subtotal Bridge Construction Costs | | \$10,366,635 | \$8,811,640 | |
| County Roadway Signalization Cost | | | | | | | | | |
| Side | # of Signals | FDOT Const. | Subtotal | Adjusted | | | | | |
| Ridge West | 1 | \$117,519 | \$135 | \$115 | | | | | |
| Ridge East | 1 | \$187,577 | \$187,577 | \$159,440 | | | | | |
| | | Subtotal Signalization Costs | | \$159,555 | | | | | |
| Subtotal Construction costs | | | \$40,207,558 | | | | | | |
| Contingency (10%) | | | \$4,020,756 | | | | | | |
| Subtotal Construction costs | | | \$44,228,314 | | | | | | |
| Design | 5% | | \$2,211,416 | | | | | | |
| CEI | 3% | | \$1,326,849 | | | | | | |
| County Roadway Project Const & Engineering Cost | | | \$47,766,579 | | | | | | |

APPENDIX B-4

| Alternative No: 17 - 2-Lane RRE SR 54 add 2-Lanes | | | | | | | | |
|---|--|-------------|----------------------|--------------|-----|-------------|--------------|---------------------|
| State Highway System Construction Cost | | | | | | | | |
| Side | Description | Length (ft) | FDOT Const. | Const. Cost | MOT | MOT Cost | Mobilization | Subtotal |
| SR 54 West | Add Lanes (6 to 8) with 5' S/W (Urban) | 6.76 | \$6,581,386 | \$44,490,169 | Yes | \$4,449,017 | \$4,893,919 | \$53,833,105 |
| SR 54 East | Add 1 Thru Lane (Urban) on Outside w/ 5' S/W, & C&G | 5.08 | \$2,420,914 | \$12,298,243 | Yes | \$1,229,824 | \$1,352,807 | \$14,880,874 |
| SR 54 East | Rural Milling & Resurfacing (4 Lane) with 5' Shoulders | 5.08 | \$1,145,229 | \$5,817,763 | Yes | \$581,776 | \$639,954 | \$7,039,494 |
| Subtotal Roadway Construction Costs | | | | | | | | \$75,753,473 |
| State Highway System Signalization Cost | | | | | | | | |
| Side | # of Signals | FDOT Const. | Subtotal | | | | | |
| SR 54 West | 6 | \$187,577 | \$1,125,462 | | | | | |
| SR 54 East | 6 | \$187,577 | \$1,125,462 | | | | | |
| Subtotal Signalization Costs | | | \$2,250,924 | | | | | |
| Subtotal Construction costs | | | \$78,004,397 | | | | | |
| Contingency (25%) | | | \$19,501,099 | | | | | |
| Subtotal Construction costs | | | \$97,505,496 | | | | | |
| Design | 15% | | \$14,625,824 | | | | | |
| CEI | 15% | | \$14,625,824 | | | | | |
| State Highway System Project Const & Engineering Cost | | | \$126,757,145 | | | | | |
| Total Project Const & Engineering Cost | | | \$174,523,724 | | | | | |
| Notes: | Bridge width of 60.0' consists of (2) 12' Lanes, (2) 10' Shoulders, (1) 12' Trail and (1) 1' Parapet, (1) 1.5' Barrier and (1) 1.54' Barriers. | | | | | | | |
| | Bridge width of 47.1' consists of (2) 12' lanes, (2) 10' Shoulders, and (2) 1.54' Barriers | | | | | | | |
| | The ramps are the 4 ramps calculated from the Suncoask Parkway and Ridge Road Interchange (Phase II) Plans. | | | | | | | |
| | Ridge Road West proposed signalization is located at Starkey Blvd. | | | | | | | |
| | Ridge Road East proposed signalization is located at US 41. | | | | | | | |
| | SR 54 West existing signals are located at Starkey Blvd., Duck Slough Blvd., Trinity Blvd., Gunn Highway, Crossing Blvd., and at the Suncoast Parkway. | | | | | | | |
| | SR 54 East existing signals are located at the Suncoast Parkway, Ballantrae Blvd., unnamed road by the fire station, Sunslake Blvd., Oakstead Blvd., and US 41. | | | | | | | |
| | The signalization cost for SR 54 and Ridge Road East is from FDOT Construction Cost of a 6-Lane Roadway intersecting a 6-Lane Roadway and the cost at Ridge Road West is from a 2-Lane Roadway intersecting a 2-Lane Roadway. FDOT has only established construction costs for a 2-Lane Roadway intersecting a 2-Lane Roadway, a 4-Lane Roadway intersecting a 4-Lane Roadway, and a 6-Lane Roadway intersecting a 6-Lane Roadway. | | | | | | | |