

ENGINEERS COST ESTIMATE  
(Use for Off-System Projects - Administered through LAP)

Project Description: ATLANTIC SHORES BOULEVARD - ROADWAY IMPROVEMENT PROJECT

| Pay Item Number* | Pay Item Description*                                        | FHWA Participating |      |                      |                          | FHWA non-participating (Local funds) |      |                      |                          | Total Quantity | Total Engineer's Cost |
|------------------|--------------------------------------------------------------|--------------------|------|----------------------|--------------------------|--------------------------------------|------|----------------------|--------------------------|----------------|-----------------------|
|                  |                                                              | Quantity           | Unit | Engineer's Unit Cost | Engineer's Subtotal Cost | Quantity                             | Unit | Engineer's Unit Cost | Engineer's Subtotal Cost |                |                       |
| 110-1-1          | CLEARING & GRUBBING                                          | 6.02               | AC   | \$ 35,760.38         | \$ 215,277.49            |                                      |      |                      | \$ -                     | 6.02           | \$ 215,277.49         |
| 120-2-2          | BORROW EXCAVATION, TRUCK MEASURE                             | 250.00             | CY   | \$ 35.09             | \$ 8,772.50              | 6,045.38                             | CY   | \$ 35.09             | \$ 212,132.38            | 6,295.38       | \$ 220,904.88         |
| 145-2            | GEOSYNTHETIC REINF FND OVER SOFT SOIL                        | 34,534.00          | SY   | \$ 5.38              | \$ 185,792.92            |                                      |      |                      | \$ -                     | 34,534.00      | \$ 185,792.92         |
| 160-4            | TYPE B STABILIZATION                                         | 18,303.58          | SY   | \$ 7.17              | \$ 131,236.67            |                                      |      |                      | \$ -                     | 18,303.58      | \$ 131,236.67         |
| 285-709          | OPTIONAL BASE,BASE GROUP 09                                  | 16,302.46          | SY   | \$ 26.75             | \$ 436,090.81            |                                      |      |                      | \$ -                     | 16,302.46      | \$ 436,090.81         |
| 327-70-5         | MILLING EXIST ASPH PAVT, 2" AVG DEPTH                        | 11,562.03          | SY   | \$ 3.81              | \$ 44,051.33             |                                      |      |                      | \$ -                     | 11,562.03      | \$ 44,051.33          |
| 334-1-13         | SUPERPAVE ASPHALTIC CONC, TRAFFIC C                          | 3,155.10           | TN   | \$ 162.93            | \$ 514,060.44            |                                      |      |                      | \$ -                     | 3,155.10       | \$ 514,060.44         |
| 337-7-83         | ASPH CONC FC,TRAFFIC C,FC-12.5,PG 76-22                      | 1,783.22           | TN   | \$ 146.50            | \$ 261,241.73            |                                      |      |                      | \$ -                     | 1,783.22       | \$ 261,241.73         |
| 706-1-1          | RAISED PAVMT MARK, TYPE B W/O FINAL SURF                     | 102.00             | EA   | \$ 4.75              | \$ 484.50                |                                      |      |                      | \$ -                     | 102.00         | \$ 484.50             |
| 710-11-101       | PAINTED PAVT MARK,STD,WHITE,SOLID,6"                         | 6.06               | GM   | \$ 886.40            | \$ 5,371.58              |                                      |      |                      | \$ -                     | 6.06           | \$ 5,371.58           |
| 710-11-131       | PAINTED PAVT MARK,STD,WHITE,SOLID,6" MARK,STD,WHITE,SKIP, 6" | 1.52               | GM   | \$ 370.33            | \$ 562.90                |                                      |      |                      | \$ -                     | 1.52           | \$ 562.90             |
| XXX-X-XXX        | ROUNDABOUT AT NE 12TH AVE                                    | 0.00               | LS   | \$ 580,000.00        | \$ -                     | 1.00                                 | LS   | \$ 580,000.00        | \$ 580,000.00            | 1.00           | \$ 580,000.00         |
| 104-10-3         | SEDIMENT BARRIER                                             | 8,004.48           | LF   | \$ 1.85              | \$ 14,808.29             |                                      |      |                      | \$ -                     | 8,004.48       | \$ 14,808.29          |
| 104-11           | FLOATING TURBIDITY BARRIER                                   | 75.80              | LF   | \$ 12.70             | \$ 962.66                |                                      |      |                      | \$ -                     | 75.80          | \$ 962.66             |
| 104-12           | STAKED TURBIDITY BARRIER- NYL REINF PVC                      | 75.80              | LF   | \$ 5.16              | \$ 391.13                |                                      |      |                      | \$ -                     | 75.80          | \$ 391.13             |
| 104-15           | SOIL TRACKING PREVENTION DEVICE                              | 1.00               | EA   | \$ 1,812.15          | \$ 1,812.15              |                                      |      |                      | \$ -                     | 1.00           | \$ 1,812.15           |
| 104-18           | INLET PROTECTION SYSTEM                                      | 39.00              | EA   | \$ 122.16            | \$ 4,764.24              |                                      |      |                      | \$ -                     | 39.00          | \$ 4,764.24           |
| 107-1            | LITTER REMOVAL                                               | 3.49               | AC   | \$ 32.01             | \$ 111.71                |                                      |      |                      | \$ -                     | 3.49           | \$ 111.71             |
| 107-2            | MOWING                                                       | 3.49               | AC   | \$ 59.67             | \$ 208.25                |                                      |      |                      | \$ -                     | 3.49           | \$ 208.25             |
| 520-2-4          | CONCRETE CURB, TYPE D                                        | 16,008.96          | LF   | \$ 19.69             | \$ 315,216.42            |                                      |      |                      | \$ -                     | 16,008.96      | \$ 315,216.42         |
| 522-1            | CONCRETE SIDEWALK AND DRIVEWAYS, 4"                          | 8,893.87           | SY   | \$ 43.02             | \$ 382,614.29            |                                      |      |                      | \$ -                     | 8,893.87       | \$ 382,614.29         |
| 570-1-1          | PERFORMANCE TURF                                             | 0.00               | SY   | \$ 2.26              | \$ -                     | 6,011.44                             | SY   | \$ 2.26              | \$ 13,585.85             | 6,011.44       | \$ 13,585.85          |
| 425-1-351        | INLETS, CURB, TYPE P-5, <10'                                 | 0.00               | EA   | \$ 6,302.70          | \$ -                     | 28.00                                | EA   | \$ 6,302.70          | \$ 176,475.60            | 28.00          | \$ 176,475.60         |
| 425-1-451        | INLETS, CURB, TYPE J-5, <10'                                 | 0.00               | EA   | \$ 7,622.02          | \$ -                     | 8.00                                 | EA   | \$ 7,622.02          | \$ 60,976.16             | 8.00           | \$ 60,976.16          |
| 425-1-521        | INLETS, DT BOT, TYPE C, <10'                                 | 0.00               | EA   | \$ 4,000.30          | \$ -                     | 4.00                                 | EA   | \$ 4,000.30          | \$ 16,001.20             | 4.00           | \$ 16,001.20          |
| 425-2-41         | MANHOLES, P-7, <10'                                          | 0.00               | EA   | \$ 5,922.42          | \$ -                     | 4.00                                 | EA   | \$ 5,922.42          | \$ 23,689.68             | 4.00           | \$ 23,689.68          |
| 430-175-124      | PIPE CULV, OPT MATL, ROUND, 24"S/CD                          | 0.00               | LF   | \$ 192.63            | \$ -                     | 1,472.00                             | LF   | \$ 192.63            | \$ 283,551.36            | 1,472.00       | \$ 283,551.36         |
| 430-175-148      | PIPE CULV, OPT MATL, ROUND, 48"S/CD                          | 0.00               | LF   | \$ 383.49            | \$ -                     | 3,792.00                             | LF   | \$ 383.49            | \$ 1,454,194.08          | 3,792.00       | \$ 1,454,194.08       |
| 700-1-11         | SINGLE POST SIGN, F&I GM,                                    | 14.00              | AS   | \$ 351.01            | \$ 4,914.14              |                                      |      |                      | \$ -                     | 14.00          | \$ 4,914.14           |
| 700-1-12         | SINGLE POST SIGN, F&I GM, 12- 20 SF                          | 2.00               | AS   | \$ 1,053.31          | \$ 2,106.62              |                                      |      |                      | \$ -                     | 2.00           | \$ 2,106.62           |
| 700-1-50         | SINGLE POST SIGN, RELOCATE                                   | 2.00               | AS   | \$ 267.76            | \$ 535.52                |                                      |      |                      | \$ -                     | 2.00           | \$ 535.52             |
| 700-1-60         | SINGLE POST SIGN, REMOVE                                     | 14.00              | AS   | \$ 28.44             | \$ 398.16                |                                      |      |                      | \$ -                     | 14.00          | \$ 398.16             |
| 700-2-14         | MULTI- POST SIGN, F&I GM, 31- 50 SF                          | 2.00               | AS   | \$ 4,628.28          | \$ 9,256.56              |                                      |      |                      | \$ -                     | 2.00           | \$ 9,256.56           |
| 700-2-60         | MULTI- POST SIGN, REMOVE                                     | 2.00               | AS   | \$ 601.91            | \$ 1,203.82              |                                      |      |                      | \$ -                     | 2.00           | \$ 1,203.82           |
| 630-2-11         | CONDUIT, F& I, OPEN TRENCH                                   | 0.00               | LF   | \$ 10.71             | \$ -                     | 4,002.24                             | LF   | \$ 10.71             | \$ 42,863.99             | 4,002.24       | \$ 42,863.99          |
| 630-2-12         | CONDUIT, F& I, DIRECTIONAL BORE                              | 0.00               | LF   | \$ 21.39             | \$ -                     | 522.26                               | LF   | \$ 21.39             | \$ 11,171.14             | 522.26         | \$ 11,171.14          |
| 635-2-11         | PULL & SPLICE BOX, F&I, 13" X 24"                            | 0.00               | EA   | \$ 687.39            | \$ -                     | 16.00                                | EA   | \$ 687.39            | \$ 10,998.24             | 16.00          | \$ 10,998.24          |
| 715-1-13         | LIGHTING CONDUCTORS, F&I, INSUL, NO.4-2                      | 0.00               | LF   | \$ 2.38              | \$ -                     | 13,573.51                            | LF   | \$ 2.38              | \$ 32,304.95             | 13,573.51      | \$ 32,304.95          |
| 715-4-13         | LIGHT POLE COMPLETE, F&I- STD, 40'                           | 0.00               | EA   | \$ 6,161.48          | \$ -                     | 16.00                                | EA   | \$ 6,161.48          | \$ 98,583.68             | 16.00          | \$ 98,583.68          |
| 715-500-1        | POLE CABLE DIST SYS, CONVENTIONAL                            | 0.00               | EA   | \$ 567.72            | \$ -                     | 16.00                                | EA   | \$ 567.72            | \$ 9,083.52              | 16.00          | \$ 9,083.52           |
| 630-2-11         | CONDUIT, F& I, OPEN TRENCH                                   | 0.00               | LF   | \$10.71              | \$ -                     | 1,600.00                             | LF   | \$10.71              | \$ 17,136.00             | 1,600.00       | \$ 17,136.00          |
| 630-2-12         | CONDUIT, F& I, DIRECTIONAL BORE                              | 0.00               | LF   | \$21.39              | \$ -                     | 400.00                               | LF   | \$21.39              | \$ 8,556.00              | 400.00         | \$ 8,556.00           |
| 632-7-1          | SIGNAL CABLE- NEW OR RECO, FUR & INSTALL                     | 0.00               | PI   | \$5,754.51           | \$ -                     | 2.00                                 | PI   | \$5,754.51           | \$ 11,509.02             | 2.00           | \$ 11,509.02          |
| 635-2-11         | PULL & SPLICE BOX, F&I, 13" X 24"                            | 0.00               | EA   | \$ 687.39            | \$ -                     | 24.00                                | EA   | \$ 687.39            | \$ 16,497.36             | 24.00          | \$ 16,497.36          |
| 639-1-112        | ELECTRICAL POWER SRV,F&I,OH,M,PUR BY CON                     | 0.00               | AS   | \$ 2,791.46          | \$ -                     | 2.00                                 | AS   | \$ 2,791.46          | \$ 5,582.92              | 2.00           | \$ 5,582.92           |
| 639-2-1          | ELECTRICAL SERVICE WIRE, F&I                                 | 0.00               | LF   | \$ 5.62              | \$ -                     | 120.00                               | LF   | \$ 5.62              | \$ 674.40                | 120.00         | \$ 674.40             |
| 649-21-4         | STEEL MAST ARM ASSEMBLY, F&I, 40'- 30'                       | 0.00               | EA   | \$ 61,829.75         | \$ -                     | 8.00                                 | EA   | \$ 61,829.75         | \$ 494,638.00            | 8.00           | \$ 494,638.00         |
| 650-1-14         | VEH TRAF SIGNAL,F&I ALUMINUM, 3 S 1 W                        | 0.00               | AS   | \$ 964.12            | \$ -                     | 16.00                                | AS   | \$ 964.12            | \$ 15,425.92             | 16.00          | \$ 15,425.92          |
| 653-1-11         | PEDESTRIAN SIGNAL, F&I LED COUNT, 1 WAY                      | 0.00               | AS   | \$ 655.08            | \$ -                     | 16.00                                | AS   | \$ 655.08            | \$ 10,481.28             | 16.00          | \$ 10,481.28          |
| 660-1-102        | LOOP DETECTOR INDUCTIVE, F&I, TYPE 2                         | 0.00               | EA   | \$ 361.69            | \$ -                     | 16.00                                | EA   | \$ 361.69            | \$ 5,787.04              | 16.00          | \$ 5,787.04           |
| 660-2-106        | LOOP ASSEMBLY, F&I, TYPE F                                   | 0.00               | AS   | \$ 1,288.40          | \$ -                     | 16.00                                | AS   | \$ 1,288.40          | \$ 20,614.40             | 16.00          | \$ 20,614.40          |
| 665-1-11         | PEDESTRIAN DETECTOR, F&I, STANDARD                           | 0.00               | EA   | \$ 247.50            | \$ -                     | 16.00                                | EA   | \$ 247.50            | \$ 3,960.00              | 16.00          | \$ 3,960.00           |
| 670-5-111        | TRAF CNTL ASSEM, F&I, NEMA, 1 PREEMPT                        | 0.00               | AS   | \$ 35,970.31         | \$ -                     | 2.00                                 | AS   | \$ 35,970.31         | \$ 71,940.62             | 2.00           | \$ 71,940.62          |
| 700-3-101        | SIGN PANEL, F&I GM, UP TO 12 SF                              | 0.00               | EA   | \$ 251.14            | \$ -                     | 8.00                                 | EA   | \$ 251.14            | \$ 2,009.12              | 8.00           | \$ 2,009.12           |
| XXX-X-XXX        | LANDSCAPING                                                  | 0.00               | LS   | \$ 188,223.81        | \$ -                     | 1.00                                 | LS   | \$ 188,223.81        | \$ 188,223.81            | 1.00           | \$ 188,223.81         |
|                  |                                                              |                    |      | SUB-TOTAL            | \$ 2,542,246.83          |                                      |      | SUB-TOTAL            | \$ 3,898,647.73          | SUB-TOTAL      | \$ 6,440,894.57       |
| 102-1            | MAINTENANCE OF TRAFFIC (8% of SUB-TOTAL)                     | 1.00               | LS   | \$ 203,379.75        | \$ 203,379.75            | 1                                    |      | \$ 311,891.82        | \$ 311,891.82            |                | \$ 515,271.57         |
| 101-1            | MOBILIZATION (10% of SUB-TOTAL)                              | 1.00               | LS   | \$ 254,224.68        | \$ 254,224.68            | 1                                    |      | \$ 389,864.77        | \$ 389,864.77            |                | \$ 644,089.46         |
|                  |                                                              |                    |      |                      | \$ -                     |                                      |      |                      | \$ -                     | 0.00           | \$ -                  |
|                  |                                                              |                    |      |                      | \$ -                     |                                      |      |                      | \$ -                     | 0.00           | \$ -                  |

Funds for Construction (Phase 58)\$ 2,999,851.26

Local Funds for Construction (Phase 58)\$ 4,600,404.33

Subtotal\$ 7,600,255.59

|                                                                                   |                                                           |    |         |                             |                                                                      |                                                   |    |                                  |                 |                                  |
|-----------------------------------------------------------------------------------|-----------------------------------------------------------|----|---------|-----------------------------|----------------------------------------------------------------------|---------------------------------------------------|----|----------------------------------|-----------------|----------------------------------|
| FDOT IN-HOUSE DESIGN SUPPORT (Phase 31) (REQUIRED)                                | 0                                                         | LS | \$5,000 | \$ -                        | FDOT In-House Support must be included as an FHWA Participating Item |                                                   |    |                                  |                 |                                  |
| ADDITIONAL FDOT IN-HOUSE DESIGN SUPPORT FOR CRITICAL PROJECTS                     | 0                                                         | LS | \$2,000 | \$ -                        |                                                                      |                                                   |    |                                  |                 |                                  |
| FDOT IN-HOUSE CONSTRUCTION SUPPORT (Phase 61) (REQUIRED)                          | 0                                                         | LS | \$5,000 | \$ -                        |                                                                      |                                                   |    |                                  |                 |                                  |
| ADDITIONAL FDOT IN-HOUSE CONSTRUCTION SUPPORT FOR CRITICAL PROJECTS               | 0                                                         | LS | \$2,000 | \$ -                        |                                                                      |                                                   |    |                                  |                 |                                  |
| LOCAL FUNDS FOR DESIGN                                                            | Local Agency Design Work is not a FHWA Participating Item |    |         |                             |                                                                      | 1                                                 | LS |                                  | \$ -            |                                  |
| CONTINGENCY (Phase 58) (REQUIRED)                                                 | Contingency is not a FHWA Participating Item              |    |         |                             |                                                                      | 1                                                 | LS | 20%                              | \$ 1,520,051.12 |                                  |
| TRANSIT RELATED PROJECTS (10% FTA ADMINISTRATIVE FEE)                             | Administrative Fee is not a FHWA Participating Item       |    |         |                             |                                                                      | 0                                                 | LS | 10%                              | \$ -            |                                  |
| CONSTRUCTION ENGINEERING & INSPECTION ACTIVITIES (CEI) (Phase 68)                 |                                                           |    |         |                             |                                                                      | 1                                                 | LS | 12%                              | \$ 552,048.52   |                                  |
| FDOT OVERSIGHT CEI (3% OF TOTAL CONSTRUCTION COST ESTIMATE) (Phase 62) (REQUIRED) | 1                                                         | LS | 0%      | \$ -                        |                                                                      | FDOT In-House Support must be included as an FHWA |    |                                  |                 |                                  |
|                                                                                   |                                                           |    |         | \$ 2,999,851.26             |                                                                      |                                                   |    |                                  | \$ 6,672,503.96 |                                  |
|                                                                                   |                                                           |    |         | Subtotal FHWA Participating |                                                                      |                                                   |    | Subtotal FHWA Non- Participating |                 | Total Construction Cost Estimate |

\*Projects on the State Highway System and Critical Projects **SHALL** utilize FDOT pay items numbers and descriptions.

Non-participating items:  
- Mowing & Litter removal  
- Engineering work; Optional services; Survey; Video inspection; MOT plans preparation; As-builts/record drawings  
- Utility work -- this includes, but is not limited to: valve adjustments, utility relocations, FPL power pole relocations, AT&T directional bore, etc...  
- Contingency  
Other elements may be non-participating; the ones listed above are the commonly used pay items that are non-participating.

If you have any questions regarding an eligible or non-participating item, please contact District Four Local Program Unit.

Prepared by: Peter A. Kunen, P.E. PE Number: 60730

Peter A. Kunen, P.E. 12/14/21  
Name: Signature: Date:

Reviewed by:

Name: Signature: Date:

Approved by (Agency Responsible Charge):

