Enter Data Computed Data

\$0

8.8 sy/ton

PAVING SECTION Width a. Surface: Length Sq Ft 1-2" Superpave, Type C, 160 Gyrations, PG 76-22 (carbonate stone) (401007) Tons b. Base: 5.79 sy/ton 2 -3" Superpave, Type B, 160 Gyrations, PG 76-22 (401016) Tons 6" = 2.93 sy/ton 6" 3 -Superpave, Bituminous Concrete Base Course, 160 Gyrations, PG 64-22 (401021) Tons c. Subbase: inches of Graded Aggregate Base Course, Type B (301001) CY 4 - 8 % Contingency NO Contigency O18 1. GRADING \$74,000 \$96,200 \$ used in CTP Est. See Earthwork Summary Sheet 2,000 CY @ \$26.00 = \$67,600 Excavation \$52,000 Borrow 1,000 CY @ \$22.00 = \$22,000 \$28,600 Total \$74,000 \$96,200 2. DRAINAGE \$401,179 \$521,532 25 (Percentage of 1,3&5) \$401,179 \$521,532 Stormwater Management EΑ \$100,000.00 per EA = \$0 Total \$401,179 \$521,532 3. PAVEMENT \$426,514 \$554,468 Full Depth Paving Only (1,2,3 & 4) 28,575 sf / 9 =3,175 SY Say: 3,200 SY 103,875 sf / 9 =11,542 SY Say: 11.600 SY Mill and Overlay Only (1a) 24,613 sf / 9 =2,735 SY 2,800 SY HMA Path Only (1b, 4a) Say: a. Surface: SY Div. by 3,200 \$40,000 8.80 sy/ton = 364 Ton,Times \$110.00 per Ton = (1) 11,600 SY Div. by 8.80 sy/ton = 1,318 Ton,Times \$145,000 (1a) \$110.00 per Ton = (1b) 2,800 SY Div. by 8.80 sy/ton = 318 Ton, Times \$110.00 per Ton = \$35,000 Total \$220,000 \$286,000 b. Base: SY Div. by 553 \$55,268 3,200 5.79 sy/ton = Ton,Times \$100.00 per Ton = SY Div. by \$87,372 3,200 2.93 1,092 (3) sy/ton = Ton,Times \$80.00 per Ton = Total \$142,640 \$185,432 c. Subbase: 28,575 SF times 0.666667 ft /27cf/cy =706 CY, Times \$55.00 per CY = \$38,806 (4a) 24,613 SF times 0.5 ft /27cf/cy =456 CY, Times \$55.00 per CY = \$25,069 Total \$63,874 \$83,036.66 4. EROSION / SEDIMENT CONTROL \$0 \$0 **\$**0 Included in Drainage 5. MISCELLANEOUS \$1,104,200 \$1,435,460 7,000 LF \$33.00 per LF = \$300,300 a. Curb (701012) \$231,000 b. 4" Sidewalk (705001) 53,000 SF \$10.00 per SF = \$530,000 \$689,000 times c. Underdrain (709001) 7,000 LF \$20.00 per LF = \$140,000 \$182,000 d. CPM Schedule 0 LS \$0 e. Clearing/Grubbing LS \$13,000 1 \$10,000 f. Field Office 0 LS \$0 \$0 g. Milling (760010) 11,600 SY * 2" = 23,200 SY-IN,Times \$1.00 per SY-IN = \$30,160 \$23,200 h. Chain Link Fencing (727000) 0 LF \$45.00 per LF = \$0 \$0 i. Chain Link Gate (727010) 0 \$2,500.00 per Each = \$0 \$0 Each j. Sawcutting (XXXXXX) 10,000 LF \$5.00 per LF = \$65,000 \$50,000 k. PCC Removal (211001) \$25.00 per SY = \$120,000 \$156,000 0 times Total \$1,104,200 \$1,435,460 B. STRUCTURE CONSTRUCTION \$0 \$0 \$350.00 per SF = 1. New Bridge 0 SF plus 50%= \$0 2. Old structure Removal \$0 plus 10%= \$0 3. Retaining Wall \$0 plus 10%= \$0 \$250.00 per SF = 4. Box Culvert SF plus 10%= \$0 Total **\$0** C. LANDSCAPING \$136,236 \$177,106 (Percentage of 1,3&5) a. Topsoil / Seed / Mulch \$80,236 \$104,306 140 \$400.00 per EA = b. Street Trees \$56,000 \$72,800 assume 40 foot spacing Total \$136,236 \$177,106 D. MAINTENANCE OF TRAFFIC (including temporary tie-ins) \$320,943 \$417,226 (Percentage of 1,3&5) \$320,943 **E. PROJECT TRAFFIC ITEMS** \$557,094 \$724,223 1. Signing Structures \$0 2. Roadway Lighting \$7,500.00 per EA = \$525,000 \$682,500 assume 80 foot spacing \$41,723 3. Pavement Markings (Percentage of 1,3&5) \$32,094 Total \$557,094 \$724,223 F. WETLAND MITIGATION \$0 *\$0* \$0 \$0 Acres times 2:1 ratio = 0.0 Ac., Times \$200,000.00 per Ac. = **G. UTILITY RELOCATIONS IN CONTRACT** \$128,377 \$166,890 \$0 \$0 1. Delmarva Electric \$0 \$0 Verizon 3. Other Relocations (Percentage of 1,3&5) \$128,377 \$166,890 Total \$128,377 \$166,890 H. SUBTOTAL \$3,148,543 \$4,093,105 I. MISCELLANEOUS ITEMS \$629,709 \$818,621 (Percentage of H) \$629,709 \$818,621 J. CONTRACTOR'S CONSTRUCTION ENGINEERING \$94,456 \$122,793 \$94,456 \$122,793 (Percentage of H) K. INITIAL EXPENSE \$94,456 \$122,793 \$94,456 \$122,793 (Percentage of H) L. CONSTRUCTION CONTINGENCY \$314,854 \$409,311 \$314,854 (Percentage of H) \$409,311 \$5,566,623 M. TOTAL CONSTRUCTION COSTS (H thru L) \$4,282,018 N. CONSTRUCTION ENGINEERING \$642,303 \$834,993 \$642,303 \$834,993 (Percentage of M) O. TOTAL CONSTRUCTION COSTS (M + N) \$4,924,320 \$6,401,617 P. REIMBURSABLE UTILITY RELOCATIONS BY OTHERS \$0 \$0 DP Electric+ Verizon = \$0 Q. TRAFFIC SECTION ITEMS \$1,190,861 \$916,047 (Percentage of 1,3&5) \$16,047 \$20,861.28 1. Signing 2. Signals 3 EΑ \$250,000.00 per EA = \$750,000 \$975,000 3. Signal Modification 3 \$50,000.00 per EA = EΑ \$150,000 \$195,000 Total \$916,047 \$1,190,861 CONSTRUCTION PROJECT ESTIMATE (O thru Q) \$7,592,478 \$5,840,368

HAZARDOUS MATERIALS

Enter Data Computed Data

\$0

8.8 sy/ton

PAVING SECTION Width a. Surface: Length Sq Ft 1-2" Superpave, Type C, 160 Gyrations, PG 76-22 (carbonate stone) (401007) Tons b. Base: 5.79 sy/ton 2 -3" Superpave, Type B, 160 Gyrations, PG 76-22 (401016) Tons 6" 3 -Superpave, Bituminous Concrete Base Course, 160 Gyrations, PG 64-22 (401021) Tons 6" = 2.93 sy/tonc. Subbase: inches of Graded Aggregate Base Course, Type B (301001) CY 4 - 8 % Contingency NO Contigency O18 1. GRADING \$84,400 \$109,720 \$ used in CTP Est. See Earthwork Summary Sheet 2,400 CY @ \$26.00 = Excavation \$62,400 \$81,120 Borrow 1,000 CY @ \$22.00 = \$22,000 \$28,600 Total \$84,400 \$109,720 2. DRAINAGE \$456,156 \$593,002 25 (Percentage of 1,3&5) \$456,156 \$593,002 Stormwater Management EΑ \$100,000.00 per EA = \$0 Total \$456,156 \$593,002 3. PAVEMENT \$291,722 \$379,239 Full Depth Paving Only (1,2,3 & 4) 17,092 sf / 9 =1,899 SY Say: 1,900 SY 71,985 sf / 9 =7,998 SY Say: 8,000 SY Mill and Overlay Only (1a) HMA Path Only (1b, 4a) 24,613 sf / 9 =2,735 SY 2,800 SY Say: a. Surface: SY Div. by 1,900 \$110.00 per Ton = \$23,750 8.80 sy/ton = 216 Ton, Times (1) SY Div. by 909 8,000 8.80 sy/ton = Ton,Times \$100,000 (1a) \$110.00 per Ton = (1b) 2,800 SY Div. by 8.80 sy/ton = 318 Ton, Times \$110.00 per Ton = \$35,000 Total \$158,750 \$206,375 b. Base: SY Div. by 328 \$32,815 1,900 5.79 sy/ton = Ton,Times \$100.00 per Ton = SY Div. by \$80.00 per Ton = \$51,877 1,900 2.93 648 (3) sy/ton = Ton,Times Total \$84,692 \$110,100 c. Subbase: 17,092 SF times 0.666667 ft /27cf/cy =422 CY, Times \$55.00 per CY = \$23,211 (4a) 24,613 SF times 0.5 ft /27cf/cy =456 CY, Times \$55.00 per CY = \$25,069 Total \$48,280 \$62,764.20 4. EROSION / SEDIMENT CONTROL \$0 \$0 **\$**0 Included in Drainage 5. MISCELLANEOUS \$1,448,500 \$1,883,050 10,000 LF \$33.00 per LF = \$429,000 a. Curb (701012) \$330,000 b. 4" Sidewalk (705001) 72,000 SF \$10.00 per SF = \$720,000 \$936,000 times 10.000 LF c. Underdrain (709001) \$20.00 per LF = \$200,000 \$260,000 d. CPM Schedule 0 LS \$0 e. Clearing/Grubbing LS \$13,000 1 \$10,000 f. Field Office 0 LS \$0 \$0 16,000 SY-IN,Times g. Milling (760010) 8,000 SY * 2" = \$1.00 per SY-IN = \$20,800 \$16,000 h. Chain Link Fencing (727000) LF \$45.00 per LF = \$0 0 \$0 i. Chain Link Gate (727010) 0 Each \$2,500.00 per Each = \$0 \$0 j. Sawcutting (XXXXXX) 10,000 LF \$5.00 per LF = \$65,000 \$50,000 k. PCC Removal (211001) \$25.00 per SY = \$122,500 \$159,250 0 times Total \$1,448,500 \$1,883,050 B. STRUCTURE CONSTRUCTION \$0 \$0 0 SF \$350.00 per SF = plus 50%= \$0 New Bridge 2. Old structure Removal \$0 plus 10%= \$0 \$0 plus 10%= \$0 3. Retaining Wall 4. Box Culvert SF \$250.00 per SF = plus 10%= \$0 Total **\$0** \$207,000 C. LANDSCAPING \$159,231 (Percentage of 1,3&5) a. Topsoil / Seed / Mulch \$91,231 \$118,600 170 b. Street Trees \$400.00 per EA = \$68,000 \$88,400 assume 40 foot spacing Total \$159,231 \$207,000 \$474,402 D. MAINTENANCE OF TRAFFIC (including temporary tie-ins) \$364,924 (Percentage of 1,3&5) \$364,924 **E. PROJECT TRAFFIC ITEMS** \$711,492 \$924,940 1. Signing Structures \$0 2. Roadway Lighting \$7,500.00 per EA = \$675,000 \$877,500 assume 80 foot spacing 3. Pavement Markings (Percentage of 1,3&5) \$36,492 \$47,440 Total \$711,492 \$924,940 F. WETLAND MITIGATION \$0 *\$0* \$0 \$0 Acres times 2:1 ratio = 0.0 Ac., Times \$200,000.00 per Ac. = **G. UTILITY RELOCATIONS IN CONTRACT** \$145,970 \$189,761 \$0 \$0 1. Delmarva Electric \$0 \$0 Verizon 3. Other Relocations (Percentage of 1,3&5) \$145,970 \$189,761 Total \$145,970 \$189,761 H. SUBTOTAL \$3,662,396 \$4,761,115 I. MISCELLANEOUS ITEMS \$732,479 \$952,223 (Percentage of H) \$732,479 \$952,223 J. CONTRACTOR'S CONSTRUCTION ENGINEERING \$109,872 \$142,833 \$109,872 \$142,833 (Percentage of H) K. INITIAL EXPENSE \$142,833 \$109,872 \$109,872 \$142,833 (Percentage of H) L. CONSTRUCTION CONTINGENCY \$366,240 \$476,111 \$366,240 (Percentage of H) \$476,111 M. TOTAL CONSTRUCTION COSTS (H thru L) \$4,980,859 \$6,475,116 N. CONSTRUCTION ENGINEERING \$747,129 \$971,267 \$747,129 \$971,267 (Percentage of M) O. TOTAL CONSTRUCTION COSTS (M + N) \$5,727,987 \$7,446,384 P. REIMBURSABLE UTILITY RELOCATIONS BY OTHERS \$0 \$0 DP Electric+ Verizon = \$0 Q. TRAFFIC SECTION ITEMS \$718,246 \$933,720 \$23,720.09 (Percentage of 1,3&5) \$18,246 1. Signing 2. Signals 2 EΑ \$250,000.00 per EA = \$500,000 \$650,000 \$50,000.00 per EA = \$260,000 3. Signal Modification 4 EΑ \$200,000 Total \$718,246 \$933,720 CONSTRUCTION PROJECT ESTIMATE (O thru Q) \$6,446,234 \$8,380,104

HAZARDOUS MATERIALS

Enter Data Computed Data

\$0

8.8 sy/ton

PAVING SECTION Width a. Surface: Length Sq Ft 1-2" Superpave, Type C, 160 Gyrations, PG 76-22 (carbonate stone) (401007) Tons b. Base: 5.79 sy/ton 2 -3" Superpave, Type B, 160 Gyrations, PG 76-22 (401016) Tons 6" 3 -Superpave, Bituminous Concrete Base Course, 160 Gyrations, PG 64-22 (401021) Tons 6" = 2.93 sy/tonc. Subbase: inches of Graded Aggregate Base Course, Type B (301001) CY 4 - 8 % Contingency NO Contigency O18 1. GRADING \$61,000 \$79,300 \$ used in CTP Est. See Earthwork Summary Sheet 1,500 CY @ \$26.00 = \$50,700 Excavation \$39,000 Borrow 1,000 CY @ \$22.00 = \$22,000 \$28,600 Total \$61,000 \$79,300 2. DRAINAGE \$401,092 \$521,419 25 (Percentage of 1,3&5) \$401,092 \$521,419 Stormwater Management EΑ \$100,000.00 per EA = \$0 Total \$401,092 \$521,419 3. PAVEMENT \$325,567 \$423,238 Full Depth Paving Only (1,2,3 & 4) 14,522 sf / 9 =1,614 SY Say: 1,700 SY 106,606 sf / 9 =11,845 SY Say: 11,900 SY Mill and Overlay Only (1a) HMA Path Only (1b, 4a) 24,613 sf / 9 =2,735 SY 2,800 SY Say: a. Surface: SY Div. by 1,700 8.80 sy/ton = 193 Ton,Times \$110.00 per Ton = \$21,250 (1) 11,900 SY Div. by 8.80 sy/ton = 1,352 Ton,Times \$148,750 (1a) \$110.00 per Ton = (1b) 2,800 SY Div. by 8.80 sy/ton = 318 Ton, Times \$110.00 per Ton = \$35,000 Total \$205,000 \$266,500 b. Base: 1,700 SY Div. by 294 \$29,361 5.79 sy/ton = Ton,Times \$100.00 per Ton = SY Div. by \$80.00 per Ton = \$46,416 1,700 2.93 580 (3) sy/ton = Ton,Times Total \$75,777 \$98,511 c. Subbase: 14,522 SF times 0.666667 ft /27cf/cy =359 CY, Times \$55.00 per CY = \$19,721 (4a) 24,613 SF times 0.5 ft /27cf/cy =456 CY, Times \$55.00 per CY = \$25,069 Total \$44,790 \$58,227.04 4. EROSION / SEDIMENT CONTROL \$0 \$0 **\$**0 Included in Drainage 5. MISCELLANEOUS \$1,217,800 \$1,583,140 8,000 LF \$33.00 per LF = \$343,200 a. Curb (701012) \$264,000 b. 4" Sidewalk (705001) 59,000 SF \$10.00 per SF = \$590,000 \$767,000 times c. Underdrain (709001) 8,000 LF \$20.00 per LF = \$160,000 \$208,000 d. CPM Schedule 0 LS \$0 e. Clearing/Grubbing LS \$13,000 1 \$10,000 f. Field Office 0 LS \$0 \$0 g. Milling (760010) 11,900 SY * 2" = 23,800 SY-IN,Times \$1.00 per SY-IN = \$30,940 \$23,800 h. Chain Link Fencing (727000) 0 LF \$45.00 per LF = \$0 \$0 i. Chain Link Gate (727010) 0 \$2,500.00 per Each = \$0 \$0 Each j. Sawcutting (XXXXXX) 10,000 LF \$5.00 per LF = \$65,000 \$50,000 k. PCC Removal (211001) \$25.00 per SY = \$120,000 \$156,000 0 times Total \$1,217,800 \$1,583,140 B. STRUCTURE CONSTRUCTION \$0 \$0 \$350.00 per SF = 0 SF plus 50%= \$0 New Bridge 2. Old structure Removal \$0 plus 10%= \$0 \$0 plus 10%= \$0 3. Retaining Wall \$250.00 per SF = 4. Box Culvert SF plus 10%= \$0 Total **\$0** C. LANDSCAPING \$144,218 \$187,484 (Percentage of 1,3&5) a. Topsoil / Seed / Mulch \$80,218 \$104,284 160 \$400.00 per EA = b. Street Trees \$64,000 \$83,200 assume 40 foot spacing Total \$144,218 \$187,484 \$417,136 D. MAINTENANCE OF TRAFFIC (including temporary tie-ins) \$320,873 (Percentage of 1,3&5) \$320,873 **E. PROJECT TRAFFIC ITEMS** \$632,087 \$821,714 1. Signing Structures \$0 2. Roadway Lighting \$7,500.00 per EA = \$600,000 \$780,000 assume 80 foot spacing 3. Pavement Markings (Percentage of 1,3&5) \$32,087 \$41,714 Total \$632,087 \$821,714 F. WETLAND MITIGATION \$0 *\$0* \$0 \$0 Acres times 2:1 ratio = 0.0 Ac., Times \$200,000.00 per Ac. = **G. UTILITY RELOCATIONS IN CONTRACT** \$128,349 \$166,854 \$0 \$0 1. Delmarva Electric \$0 \$0 Verizon 3. Other Relocations (Percentage of 1,3&5) \$128,349 \$166,854 Total \$128,349 \$166,854 H. SUBTOTAL \$3,230,988 \$4,200,284 I. MISCELLANEOUS ITEMS \$646,198 \$840,057 (Percentage of H) \$646,198 \$840,057 J. CONTRACTOR'S CONSTRUCTION ENGINEERING \$96,930 \$126,009 \$96,930 \$126,009 (Percentage of H) K. INITIAL EXPENSE \$96,930 \$126,009 \$96,930 \$126,009 (Percentage of H) L. CONSTRUCTION CONTINGENCY \$323,099 \$420,028 \$323,099 (Percentage of H) \$420,028 M. TOTAL CONSTRUCTION COSTS (H thru L) \$4,394,143 \$5,712,386 N. CONSTRUCTION ENGINEERING \$659,122 \$856,858 \$659,122 \$856,858 (Percentage of M) O. TOTAL CONSTRUCTION COSTS (M + N) \$5,053,265 \$6,569,244 P. REIMBURSABLE UTILITY RELOCATIONS BY OTHERS \$0 \$0 DP Electric+ Verizon = \$0 Q. TRAFFIC SECTION ITEMS \$916,044 \$1,190,857 (Percentage of 1,3&5) \$16,044 \$20,856.78 1. Signing 2. Signals 3 EΑ \$250,000.00 per EA = \$750,000 \$975,000 3 \$50,000.00 per EA = 3. Signal Modification EΑ \$150,000 \$195,000 Total \$916,044 \$1,190,857 CONSTRUCTION PROJECT ESTIMATE (O thru Q) \$5,969,309 \$7,760,101

HAZARDOUS MATERIALS

8.8 sy/ton

PAVING SECTION Width a. Surface: Length Sq Ft 1- 2" Superpave, Type C, 160 Gyrations, PG 76-22 (carbonate stone) (401007) Tons b. Base: 2 -3" Superpave, Type B, 160 Gyrations, PG 76-22 (401016) Tons 5.79 sy/ton 3 - 6" Superpave, Bituminous Concrete Base Course, 160 Gyrations, PG 64-22 (401021) Tons 6" = 2.93 sy/tonc. Subbase: inches of Graded Aggregate Base Course, Type B (301001) CY 4 - 8 NO % Contingency Contigency O18 1. GRADING \$79,200 \$102,960 \$ used in CTP Est. See Earthwork Summary Sheet 2,200 CY @ \$26.00 = \$57,200 \$74,360 Excavation Borrow 1,000 CY @ \$22.00 = \$22,000 \$28,600 Total \$79,200 \$102,960 2. DRAINAGE \$446,808 \$580,851 25 (Percentage of 1,3&5) \$446,808 \$580,851 Stormwater Management EΑ \$100,000.00 per EA = \$0 Total \$446,808 \$580,851 3. PAVEMENT \$452,734 \$588,554 Full Depth Paving Only (1,2,3 & 4) 33,711 sf / 9 =3,746 SY Say: 3,800 SY 92,774 sf / 9 =10,308 SY Say: 10,400 SY Mill and Overlay Only (1a) 24,613 sf / 9 = 2,735 SY 2,800 SY HMA Path Only (1b, 4a) Say: a. Surface: 3,800 SY Div. by 432 \$47,500 8.80 sy/ton = Ton,Times \$110.00 per Ton = (1) \$110.00 per Ton = 10,400 SY Div. by 8.80 1,182 Ton,Times \$130,000 (1a) sy/ton = (1b) 2,800 SY Div. by 8.80 sy/ton = 318 Ton, Times \$110.00 per Ton = \$35,000 Total \$212,500 \$276,250 b. Base: 656 Ton,Times \$65,630 3,800 SY Div. by 5.79 sy/ton = \$100.00 per Ton = 3,800 \$80.00 per Ton = \$103,754 (3) SY Div. by 2.93 Ton,Times sy/ton = 1,297 Total \$169,385 \$220,200 c. Subbase: \$45,780 33,711 SF times 0.666667 ft /27cf/cy =832 CY, Times \$55.00 per CY = (4a) 24,613 SF times 0.5 ft /27cf/cy =CY, Times \$55.00 per CY = \$25,069 \$70,849 \$92,103.92 4. EROSION / SEDIMENT CONTROL \$0 \$0 \$0 Included in Drainage 5. MISCELLANEOUS \$1,255,300 \$1,631,890 9,000 LF \$297,000 \$386,100 a. Curb (701012) \$33.00 per LF = b. 4" Sidewalk (705001) 57,000 SF \$10.00 per SF = \$570,000 \$741,000 times LF c. Underdrain (709001) 9,000 \$20.00 per LF = \$180,000 \$234,000 d. CPM Schedule 0 LS \$0 e. Clearing/Grubbing LS \$13,000 \$10,000 f. Field Office 0 LS \$0 \$0 g. Milling (760010) 10,400 SY * 2" = 20,800 SY-IN,Times \$1.00 per SY-IN = \$27,040 \$20,800 h. Chain Link Fencing (727000) LF \$45.00 per LF = \$0 0 \$0 i. Chain Link Gate (727010) \$2,500.00 per Each = 0 Each \$0 \$0 j. Sawcutting (XXXXXX) \$50,000 \$65,000 10,000 LF \$5.00 per LF = k. PCC Removal (211001) 0 times 5,100 SY \$25.00 per SY = \$127,500 \$165,750 Total \$1,255,300 \$1,631,890 \$11,606,000 **B. STRUCTURE CONSTRUCTION** \$17,409,000 33,160 SF \$350.00 per SF = \$11,606,000 \$17,409,000 plus 50%= 1. New Bridge 2. Old structure Removal \$0 plus 10%= \$0 Retaining Wall \$0 \$0 plus 10%= SF \$250.00 per SF = \$0 4. Box Culvert plus 10%= \$0 Total \$11,606,000 \$17,409,000 C. LANDSCAPING \$149,362 \$194,170 a. Topsoil / Seed / Mulch (Percentage of 1,3&5) \$89,362 \$116,170 150 b. Street Trees \$400.00 per EA = \$60,000 \$78,000 assume 40 foot spacing Total \$149,362 \$194,170 \$357,447 \$464,681 D. MAINTENANCE OF TRAFFIC (including temporary tie-ins) \$357,447 (Percentage of 1,3&5) **E. PROJECT TRAFFIC ITEMS** \$635,745 \$826,468 1. Signing Structures \$0 2. Roadway Lighting 80 \$7,500.00 per EA = \$600,000 \$780,000 assume 80 foot spacing \$46,468 (Percentage of 1,3&5) 3. Pavement Markings \$35,745 Total \$635,745 \$826,468 F. WETLAND MITIGATION \$0 \$0 \$0 Acres times 2:1 ratio = 0.0 Ac., Times \$200,000.00 per Ac. = \$0 **G. UTILITY RELOCATIONS IN CONTRACT** \$142,979 \$185,872 \$0 1. Delmarva Electric \$0 \$0 \$0 2. Verizon 3. Other Relocations (Percentage of 1,3&5) \$142,979 \$185,872 Total \$142,979 \$185,872 H. SUBTOTAL \$15,125,574 \$21,984,446 I. MISCELLANEOUS ITEMS \$3,025,115 \$4,396,889 (Percentage of H) \$3,025,115 \$4,396,889 J. CONTRACTOR'S CONSTRUCTION ENGINEERING \$453,767 \$659,533 \$453,767 \$659,533 (Percentage of H) K. INITIAL EXPENSE \$453,767 \$659,533 \$453,767 3 (Percentage of H) \$659,533 L. CONSTRUCTION CONTINGENCY \$1,512,557 \$2,198,445 10 (Percentage of H) \$1,512,557 \$2,198,445 M. TOTAL CONSTRUCTION COSTS (H thru L) \$20,570,781 \$29,898,847 \$3,085,617 N. CONSTRUCTION ENGINEERING \$4,484,827 \$3,085,617 \$4,484,827 15 (Percentage of M) O. TOTAL CONSTRUCTION COSTS (M + N) \$23,656,398 \$34,383,674 P. REIMBURSABLE UTILITY RELOCATIONS BY OTHERS \$0 \$0 DP Electric+ Verizon = \$0 \$1,193,234 Q. TRAFFIC SECTION ITEMS \$917,872 (Percentage of 1,3&5) \$17,872 \$23,234.04 1. Signing 2. Signals 3 EΑ \$250,000.00 per EA = \$750,000 \$975,000 3. Signal Modification 3 EΑ \$50,000.00 per EA = \$150,000 \$195,000 \$1,193,234 Total \$917,872 CONSTRUCTION PROJECT ESTIMATE (O thru Q) \$24,574,270 \$35,576,908

\$0

HAZARDOUS MATERIALS

September, 2020