

Appendix E – Cost Estimates

BCDCOG
SITE #047 CITADEL MALL
CONCEPT DESIGN COST ESTIMATE
18-Jul-18

Item	Description	Unit	Quantity	Unit Cost	Cost
1.000	General				
1.001	Earthwork	CY	700	\$15	\$10,500
1.002	Asphalt Pavement Resurfacing	SY	8,300	\$18	\$149,400
1.003	Curb and Gutter	LF	4,000	\$20	\$80,000
1.004	Landscaping	LS	1	\$50,000	\$50,000
1.005	Lighting	LS	1	\$75,000	\$75,000
1.006	Signage, Striping, Shelter	LS	1	\$50,000	\$50,000
1.007	Drainage	LS	1	\$20,000	\$20,000
Construction Subtotal					\$434,900
Contingencies % 20					\$86,980
TOTAL PHASE 1 CONSTRUCTION COSTS					\$521,880
TOTAL PHASE 1 ENGINEERING COSTS (12%)					\$62,626
TOTAL PHASE 1 CE&I COSTS (8%)					\$41,750
TOTAL CAPITAL COSTS					\$626,256
MAINTENANCE COSTS (20 YR)		Annual	20	\$20,898	\$417,950

BCDCOG
SITE #031 I-26 REST AREA OPTION #1*
CONCEPT DESIGN COST ESTIMATE
18-Jul-18

Item	Description	Unit	Quantity	Unit Cost	Cost
1.000	General				
1.001	Earthwork	CY	5500	\$20	\$110,000
1.002	Asphalt Pavement Resurfacing	SY	8,300	\$35	\$290,500
1.003	Curb and Gutter	LF	3,700	\$20	\$74,000
1.004	Landscaping	LS	1	\$31,200	\$31,200
1.005	Lighting	LS	1	\$72,800	\$72,800
1.006	Signage, Striping, Shelter	LS	1	\$41,600	\$41,600
1.007	Drainage	LS	1	\$57,700	\$57,700
Construction Subtotal					\$677,800
Contingencies % 20					\$135,560
TOTAL PHASE 1 CONSTRUCTION COSTS					\$813,360
TOTAL PHASE 1 ENGINEERING COSTS (12%)					\$97,603
TOTAL PHASE 1 CE&I COSTS (8%)					\$65,069
TOTAL CAPITAL COSTS					\$976,032

*excludes cost of rehabing buildings

MAINTENANCE COSTS (20 YR)	Annual	20	\$27,649	\$552,980
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BCDCOG
SITE #031 I-26 REST AREA OPTION #2*
CONCEPT DESIGN COST ESTIMATE
18-Jul-18

Item	Description	Unit	Quantity	Unit Cost	Cost
1.000	General				
1.001	Earthwork	CY	11300	\$20	\$226,000
1.002	Asphalt Pavement Resurfacing	SY	17,000	\$35	\$595,000
1.003	Curb and Gutter	LF	7,500	\$20	\$150,000
1.004	Landscaping	LS	1	\$45,900	\$45,900
1.005	Lighting	LS	1	\$107,100	\$107,100
1.006	Signage, Striping, Shelter	LS	1	\$61,200	\$61,200
1.007	Drainage	LS	1	\$91,800	\$91,800
Construction Subtotal					\$1,277,000
Contingencies % 20					\$255,400
TOTAL PHASE 1 CONSTRUCTION COSTS					\$1,532,400
TOTAL PHASE 1 ENGINEERING COSTS (12%)					\$183,888
TOTAL PHASE 1 CE&I COSTS (8%)					\$122,592
TOTAL CAPITAL COSTS					\$1,838,880

*excludes cost of rehabing buildings

MAINTENANCE COSTS (20 YR)	Annual	20	\$51,762	\$1,035,230
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BCDCOG					
SITE #004 ROPER HOSPITAL MT. PLEASANT					
CONCEPT DESIGN COST ESTIMATE					
18-Jul-18					
Item		Unit	Quantity	Unit Cost	Cost
1.000	General				
1.001	Earthwork	CY	9570	\$20	\$191,400
1.002	Asphalt Pavement	SY	14,500	\$35	\$507,500
1.003	Curb and Gutter	LF	3,800	\$20	\$76,000
1.004	Landscaping	LS	1	\$41,886	\$41,886
1.005	Lighting	LS	1	\$104,716	\$104,716
1.006	Signage, Striping, She	LS	1	\$52,358	\$52,358
1.007	Drainage	LS	1	\$125,000	\$125,000
	Property Acquisition*	SF	210,000	\$8	\$1,680,000
Construction Subtotal					\$2,778,861
Contingencies % 20					\$555,772
TOTAL PHASE 1 CONSTRUCTION COSTS					\$3,334,633
TOTAL PHASE 1 ENGINEERING COSTS (12%)					\$400,156
TOTAL PHASE 1 CE&I COSTS (8%)					\$266,771
TOTAL CAPITAL COSTS					\$4,001,560
MAINTENANCE COSTS (20 YR) Annual			20	\$38,098	\$761,955

BCDCOG					
SITE #007 I-526 & HUNGRY NECK BLVD/US 17					
CONCEPT DESIGN COST ESTIMATE					
18-Jul-18					
Item		Unit	Quantity	Unit Cost	Cost
1.000	General				
1.001	Earthwork	CY	14500	\$20	\$290,000
1.002	Asphalt Pavement	SY	21,800	\$35	\$763,000
1.003	Curb and Gutter	LF	6,800	\$20	\$136,000
1.004	Landscaping	LS	1	\$64,270	\$64,270
1.005	Lighting	LS	1	\$160,676	\$160,676
1.006	Signage, Striping, She	LS	1	\$80,338	\$80,338
1.007	Drainage	LS	1	\$112,473	\$112,473
Construction Subtotal					\$1,606,757
Contingencies % 20					\$321,351
TOTAL PHASE 1 CONSTRUCTION COSTS					\$1,928,108
TOTAL PHASE 1 ENGINEERING COSTS (12%)					\$231,373
TOTAL PHASE 1 CE&I COSTS (8%)					\$154,249
TOTAL CAPITAL COSTS					\$2,313,730
MAINTENANCE COSTS (20 YR) Annual			20	\$53,851	\$1,077,025

BCDCOG					
SITE #007 I-526 & HUNGRY NECK BLVD/US 17					
CONCEPT DESIGN COST ESTIMATE					
18-Jul-18					
Item		Unit	Quantity	Unit Cost	Cost
1.000	General				
1.001	Earthwork	CY	18000	\$20	\$360,000
1.002	Asphalt Pavement	SY	27,800	\$35	\$973,000
1.003	Curb and Gutter	LF	10,300	\$20	\$206,000
1.004	Landscaping	LS	1	\$298,400	\$298,400
1.005	Lighting	LS	1	\$84,200	\$84,200
1.006	Signage, Striping, She	LS	1	\$179,800	\$179,800
1.007	Drainage	LS	1	\$95,600	\$95,600
	Property Acquisition*	SF	210,000	\$12	\$2,520,000
Construction Subtotal					\$4,717,000
Contingencies % 20					\$943,400
TOTAL PHASE 1 CONSTRUCTION COSTS					\$5,660,400
TOTAL PHASE 1 ENGINEERING COSTS (12%)					\$679,248
TOTAL PHASE 1 CE&I COSTS (8%)					\$452,832
TOTAL CAPITAL COSTS					\$6,792,480
*Does not include purchase of sites owned by the Town of Mt. Pleasant					
MAINTENANCE COSTS (20 YR) Annual			20	\$53,851	\$1,077,025

BCDCOG						
SITE #075 ROPER HOSPITAL GOOSE CREEK						
CONCEPT DESIGN COST ESTIMATE						
18-Jul-18						
Item	Description	Unit	Quantity	Unit Cost	Cost	
1.000	General					
1.001	Earthwork	CY	8,560	\$20	\$171,204	
1.002	Asphalt Pavement	SY	12,970	\$35	\$453,950	
1.003	Curb and Gutter	LF	3,200	\$20	\$64,000	
1.004	Landscaping	LS	1	\$37,252	\$37,252	
1.005	Lighting	LS	1	\$93,129	\$93,129	
1.006	Signage, Striping, She	LS	1	\$46,564	\$46,564	
1.007	Drainage	LS	1	\$59,136	\$59,136	
	Property Acquisition*	SF	180,000	\$8	\$1,440,000	
Construction Subtotal						\$2,365,235
Contingencies % 20						\$473,047
TOTAL PHASE 1 CONSTRUCTION COSTS						\$2,838,282
TOTAL PHASE 1 ENGINEERING COSTS (12%)						\$340,594
TOTAL PHASE 1 CE&I COSTS (8%)						\$227,063
TOTAL CAPITAL COSTS						\$3,405,939
MAINTENANCE COSTS (20 YR) Annual			20	\$38,098	\$761,955	

BCDCOG
SITE #015 I-26 & US 78 (#1)
CONCEPT DESIGN COST ESTIMATE
18-Jul-18

Item	Description	Unit	Quantity	Unit Cost	Cost
1.000	General				
1.001	Earthwork	CY	10,662	\$20	\$213,233
1.002	Asphalt Pavement	SY	16,154	\$35	\$565,390
1.003	Curb and Gutter	LF	7,060	\$20	\$141,200
1.004	Landscaping	LS	1	\$49,720	\$49,720
1.005	Lighting	LS	1	\$124,300	\$124,300
1.006	Signage, Striping, She	LS	1	\$62,150	\$62,150
1.007	Drainage	LS	1	\$87,010	\$87,010
1.008	Bridge	LS	1	\$450,000	\$450,000
Construction Subtotal					\$1,693,004
Contingencies		%	20		\$338,601
TOTAL PHASE 1 CONSTRUCTION COSTS					\$2,031,605
TOTAL PHASE 1 ENGINEERING COSTS (12%)					\$243,793
TOTAL PHASE 1 CE&I COSTS (8%)					\$162,528
TOTAL CAPITAL COSTS					\$2,437,925
MAINTENANCE COSTS (20 YR) Annual			20	\$40,348	\$806,965

BCDCOG					
SITE #026 EAST 5TH NORTH STREET					
CONCEPT DESIGN COST ESTIMATE					
18-Jul-18					
Item	Description	Unit	Quantity	Unit Cost	Cost
1.000	General				
1.001	Earthwork	CY	20,000	\$20	\$400,000
1.002	Asphalt Pavement	SY	16,500	\$35	\$577,500
1.003	Curb and Gutter	LF	4,656	\$20	\$93,120
1.004	Landscaping	LS	1	\$57,871	\$57,871
1.005	Lighting	LS	1	\$144,678	\$144,678
1.006	Signage, Striping, Shelter	LS	1	\$72,339	\$72,339
1.007	Drainage	LS	1	\$101,275	\$101,275
1.008	Signalization (ASSUMES 1)	LS	1	\$150,000	\$150,000
Construction Subtotal					\$1,596,784
Contingencies		%	20		\$319,357
TOTAL PHASE 1 CONSTRUCTION COSTS					\$1,916,141
TOTAL PHASE 1 ENGINEERING COSTS (12%)					\$229,937
TOTAL PHASE 1 CE&I COSTS (8%)					\$153,291
TOTAL CAPITAL COSTS					\$2,299,369
MAINTENANCE COSTS (20 YR)		Annual	20	\$34,561	\$691,225

BCDCOG
SITE #035 NEXTON SITE
CONCEPT DESIGN COST ESTIMATE
18-Jul-18

Item	Description	Unit	Quantity	Unit Cost	Cost
1.000	General				
1.001	Earthwork	CY	10000	\$20	\$200,000
1.002	Asphalt Pavement	SY	12,900	\$35	\$451,500
1.003	Curb and Gutter	LF	1,946	\$20	\$38,920
1.004	Landscaping	LS	1	\$37,320	\$37,320
1.005	Lighting	LS	1	\$93,300	\$93,300
1.006	Signage, Striping, Shelter	LS	1	\$46,650	\$46,650
1.007	Drainage	LS	1	\$65,310	\$65,310
Construction Subtotal					\$933,000
Contingencies		%	20		\$186,600
TOTAL PHASE 1 CONSTRUCTION COSTS					\$1,119,600
TOTAL PHASE 1 ENGINEERING COSTS (12%)					\$134,352
TOTAL PHASE 1 CE&I COSTS (8%)					\$89,568
TOTAL CAPITAL COSTS					\$1,343,520
MAINTENANCE COSTS (20 YR)		Annual	20	\$34,561	\$691,225

Additional Sites

BCDCOG SITE #006 MT. PLEASANT WALMART LEASE AGREEMENT 17-Aug-18							
Item	Description	Unit	Quantity	Unit Cost	Cost		
1.000	General						
1.001	ANNUAL LEASE	YR	20	\$25,000	\$500,000		
1.002	Wayfinding Signage	LS	1	\$25,000	\$25,000		
Construction Subtotal					\$525,000		
Contingencies					%	20	\$105,000
TOTAL LEASE AGREEMENT					\$630,000		
TOTAL CAPITAL COSTS					\$630,000		

BCDCOG SITE #010 FESTIVAL CENTER SITE LEASE AGREEMENT 17-Aug-18							
Item	Description	Unit	Quantity	Unit Cost	Cost		
1.000	General						
1.001	ANNUAL LEASE	YR	20	\$7,875	\$157,500		
1.002	EXPANDED AREA	YR	15	\$7,875	\$118,125		
1.003	ESCALATION (3% PER YEAR)	LS	1	\$60,452	\$60,452		
1.002	Wayfinding Signage	LS	1	\$25,000	\$25,000		
Construction Subtotal					\$361,077		
Contingencies					%	20	\$72,215
TOTAL LEASE AGREEMENT					\$433,292		
TOTAL CAPITAL COSTS					\$433,292		

BCDCOG SITE #013 TANGER OUTLET MALL LEASE AGREEMENT 17-Aug-18							
Item	Description	Unit	Quantity	Unit Cost	Cost		
1.000	General						
1.001	ANNUAL LEASE	YR	20	\$25,000	\$500,000		
1.002	Wayfinding Signage	LS	1	\$25,000	\$25,000		
Construction Subtotal					\$525,000		
Contingencies					%	20	\$105,000
TOTAL LEASE AGREEMENT					\$630,000		
TOTAL CAPITAL COSTS					\$630,000		

BCDCOG SITE #019 NORTH CHARLESTON CENTER LEASE AGREEMENT 17-Aug-18							
Item	Description	Unit	Quantity	Unit Cost	Cost		
1.000	General						
1.001	ANNUAL LEASE	YR	20	\$25,000	\$500,000		
1.002	Wayfinding Signage	LS	1	\$25,000	\$25,000		
Construction Subtotal					\$525,000		
Contingencies					%	20	\$105,000
TOTAL LEASE AGREEMENT					\$630,000		
TOTAL CAPITAL COSTS					\$630,000		

Additional Sites

BCDCOG SITE #027 EXCHANGE PARK FAIRGROUND CONCEPT DESIGN COST ESTIMATE 18-Jul-18							
Item	Description	Unit	Quantity	Unit Cost	Cost		
1.000	General						
1.001	ANNUAL LEASE	YR	20	\$25,000	\$500,000		
1.002	Wayfinding Signage	LS	1	\$25,000	\$25,000		
Construction Subtotal					\$525,000		
Contingencies					%	20	\$105,000
TOTAL LEASE AGREEMENT					\$630,000		
TOTAL CAPITAL COSTS					\$630,000		

BCDCOG SITE #029 DORCHESTER COUNTY LEASE AGREEMENT 17-Aug-18							
Item	Description	Unit	Quantity	Unit Cost	Cost		
1.000	General						
1.001	ANNUAL LEASE	YR	20	\$25,000	\$500,000		
1.002	Wayfinding Signage	LS	1	\$25,000	\$25,000		
Construction Subtotal					\$525,000		
Contingencies					%	20	\$105,000
TOTAL LEASE AGREEMENT					\$630,000		
TOTAL CAPITAL COSTS					\$630,000		

BCDCOG SITE #030 OAKBROOK (MONEY MAN PAWN) LEASE AGREEMENT 17-Aug-18							
Item	Description	Unit	Quantity	Unit Cost	Cost		
1.000	General						
1.001	BUS WRAP*	LS	1	\$500,000	\$500,000		
1.002	Wayfinding Signage	LS	1	\$25,000	\$25,000		
Construction Subtotal					\$525,000		
Contingencies					%	20	\$105,000
TOTAL LEASE AGREEMENT					\$630,000		
TOTAL CAPITAL COSTS					\$630,000		

* Assumes 4 bus wraps every two years for 20 years.

Additional Sites

BCDCOG SITE #032 US 78 AND ROYLE ROAD CONCEPT DESIGN COST ESTIMATE 18-Jul-18						
Item	Description	Unit	Quantity	Unit Cost	Cost	
1.000	General					
1.001	Earthwork	CY	20,000	\$20	\$400,000	
1.002	Asphalt Pavement	SY	16,500	\$35	\$577,500	
1.003	Curb and Gutter	LF	4,656	\$20	\$93,120	
1.004	Landscaping	LS	1	\$50,000	\$50,000	
1.005	Lighting	LS	1	\$144,678	\$144,678	
1.006	Signage, Striping, Shelter	LS	1	\$72,339	\$72,339	
1.007	Drainage	LS	1	\$101,275	\$101,275	
1.008	Signalization (ASSUMES 1)	LS	1	\$150,000	\$150,000	
1.009	Property Acquisition	SF	291849	\$10	\$2,918,490	
Construction Subtotal						\$4,507,402
Contingencies						\$901,480
TOTAL PHASE 1 CONSTRUCTION COSTS						\$5,408,883
TOTAL PHASE 1 ENGINEERING COSTS (12%)						\$649,066
TOTAL PHASE 1 CE&I COSTS (8%)						\$432,711
TOTAL CAPITAL COSTS						\$6,490,660
MAINTENANCE COSTS (20 YR)						\$1,000,000

BCDCOG SITE #050 JAMES ISLAND WALMART LEASE AGREEMENT 17-Aug-18						
Item	Description	Unit	Quantity	Unit Cost	Cost	
1.000	General					
1.001	ANNUAL LEASE	YR	20	\$25,000	\$500,000	
1.002	Wayfinding Signage	LS	1	\$25,000	\$25,000	
Construction Subtotal						\$525,000
Contingencies						\$105,000
TOTAL LEASE AGREEMENT						\$630,000
TOTAL CAPITAL COSTS						\$630,000

BCDCOG SITE #060 WALMART BEES FERRY ROAD CONCEPT DESIGN COST ESTIMATE 18-Jul-18						
Item	Description	Unit	Quantity	Unit Cost	Cost	
1.000	General					
1.001	ANNUAL LEASE	YR	20	\$25,000	\$500,000	
1.002	Wayfinding Signage	LS	1	\$25,000	\$25,000	
Construction Subtotal						\$525,000
Contingencies						\$105,000
TOTAL LEASE AGREEMENT						\$630,000
TOTAL CAPITAL COSTS						\$630,000

Additional Sites

BCDCOG SITE #062 I-526 AT CLEMENTS FERRY ROAD CONCEPT COST ESTIMATE 18-Jul-18					
Item	Description	Unit	Quantity	Unit Cost	Cost
1.000	General				
1.001	Earthwork	CY	20,000	\$20	\$400,000
1.002	Asphalt Pavement	SY	16,500	\$35	\$577,500
1.003	Curb and Gutter	LF	4,656	\$20	\$93,120
1.004	Landscaping	LS	1	\$50,000	\$50,000
1.005	Lighting	LS	1	\$144,678	\$144,678
1.006	Signage, Striping, Shelter	LS	1	\$72,339	\$72,339
1.007	Drainage	LS	1	\$101,275	\$101,275
1.008	Signalization (ASSUMES 1)	LS	1	\$150,000	\$150,000
1.009	Property Acquisition	SF	116304	\$15	\$1,744,560
Construction Subtotal					\$3,333,472
Contingencies					\$666,694
					% 20
TOTAL PHASE 1 CONSTRUCTION COSTS					\$4,000,167
TOTAL PHASE 1 ENGINEERING COSTS (12%)					\$480,020
TOTAL PHASE 1 CE&I COSTS (8%)					\$320,013
TOTAL CAPITAL COSTS					\$4,800,200
MAINTENANCE COSTS (20 YR)					\$1,000,000
					Annual 20 \$50,000

BCDCOG SITE #076 BERKELEY COUNTY LEASE AGREEMENT 17-Aug-18					
Item	Description	Unit	Quantity	Unit Cost	Cost
1.000	General				
1.001	ANNUAL LEASE	YR	20	\$25,000	\$500,000
1.002	Wayfinding Signage	LS	1	\$25,000	\$25,000
Construction Subtotal					\$525,000
Contingencies					\$105,000
					% 20
TOTAL LEASE AGREEMENT					\$630,000
TOTAL CAPITAL COSTS					\$630,000

BCDCOG						
Meeting Street/King Street Park and Ride Option 1						
CONCEPT DESIGN COST ESTIMATE						
1-Nov-18						
Item		Unit	Quantity	Unit Cost	Cost	
1.000	General					
1.001	Earthwork/Site Prep	LS	1	\$50,000	\$50,000	
1.002	Asphalt Pavement	SY	6,000	\$35	\$210,000	
1.003	Curb and Gutter	LF	3,200	\$20	\$64,000	
1.004	Landscaping	LS	1	\$17,514	\$17,514	
1.005	Lighting	LS	1	\$43,784	\$43,784	
1.006	Signage, Striping, Shelter	LS	1	\$26,270	\$26,270	
1.007	Drainage	LS	1	\$50,000	\$50,000	
1.008	Sidewalk	SY	800	\$65	\$52,000	
1.009	Railroad Removal	LS	1	\$40,000	\$40,000	
1.010	Utility Relocation	LS	1	\$50,000	\$50,000	
Construction Subtotal					\$603,568	
Contingencies		%	20	\$120,714		
TOTAL PHASE 1 CONSTRUCTION COSTS					\$724,281	
TOTAL PHASE 1 ENGINEERING COSTS (12%)					\$86,914	
TOTAL PHASE 1 CE&I COSTS (8%)					\$57,942	
TOTAL CAPITAL COSTS					\$869,137	
MAINTENANCE COSTS (20 YR)		Annual	20	\$32,150	\$643,000	

BCDCOG						
Meeting Street/King Street Park and Ride Option 2						
CONCEPT DESIGN COST ESTIMATE						
1-Nov-18						
Item		Unit	Quantity	Unit Cost	Cost	
1.000	General					
1.001	Earthwork/Site Prep	LS	1	\$50,000	\$50,000	
1.002	Asphalt Pavement	SY	6,500	\$35	\$227,500	
1.003	Curb and Gutter	LF	3,600	\$20	\$72,000	
1.004	Landscaping	LS	1	\$18,892	\$18,892	
1.005	Lighting	LS	1	\$47,230	\$47,230	
1.006	Signage, Striping, Shelter	LS	1	\$28,338	\$28,338	
1.007	Drainage	LS	1	\$100,000	\$100,000	
1.008	Sidewalk	SY	840	\$65	\$54,600	
1.009	Railroad Removal	LS	1	\$40,000	\$40,000	
1.010	Utility Relocation	LS	1	\$50,000	\$50,000	
Construction Subtotal						\$688,559
Contingencies		%	20			\$137,712
TOTAL PHASE 1 CONSTRUCTION COSTS						\$826,271
TOTAL PHASE 1 ENGINEERING COSTS (12%)						\$99,153
TOTAL PHASE 1 CE&I COSTS (8%)						\$66,102
TOTAL CAPITAL COSTS						\$991,526
MAINTENANCE COSTS (20 YR)		Annual	20	\$32,150	\$643,000	