



**COST ESTIMATION SPREADSHEET**

11/20/15

**PROJECT**

Jenkins Island Access Management - Concept Alternate #1

**ROADWAY**

Description	AMOUNT	UNIT	Cost per Unit		Cost
			\$ / UNIT		
HMA SURFACE COURSE	9480	TON	\$ 62.00	\$	587,760.00
HMA INTERMEDIATE COURSE	5850	TON	\$ 65.00	\$	380,250.00
HMA BASE COURSE	13170	TON	\$ 68.00	\$	895,560.00
LIQUID ASPHALT BINDER PG64-22	1360	TON	\$ 675.00	\$	918,000.00
2' CURB & GUTTER	1850	LF	\$ 20.00	\$	37,000.00
ASPHALT PAVEMENT REMOVAL	3420	SY	\$ 15.00	\$	51,300.00
CONCRETE ISLANDS	200	SY	\$ 90.00	\$	18,000.00
<b>Sub-Total:</b>					<b>\$ 2,887,870.00</b>
ASSUME SUBTOTAL ACCOUNTS FOR 45% OF ROADWAY COST					<b>ROADWAY-Total: \$ 6,417,488.89</b>

**BRIDGES & STRUCTURES**

Description	AMOUNT	UNIT	Cost per Unit		Cost
			\$ / UNIT		
RETAINING WALLS	550.00	LF	\$ 550.00	\$	302,500.00
<b>BRIDGE/STRUC.-Total:</b>					<b>\$ 302,500.00</b>

**CONSTRUCTION COST (ROADWAY + BRIDGE) \$ 6,800,000.00**

**MISCELLANEOUS**

CEI COST (15% OF CONSTRUCTION COST)	\$ 1,000,000.00
ENGINEERING COST (10% OF CONSTRUCTION COST)	\$ 700,000.00
RIGHT-OF-WAY COST	\$ 1,159,335.00
UTILITY RELOCATION COST (15% OF CONSTRUCTION COST)	\$ 1,000,000.00

**TOTAL SUBTOTAL \$ 10,659,335.00**

**20% CONTINGENCIES \$ 2,100,000.00**

**TOTAL ESTIMATED CONSTRUCTION COST (2015) \$ 12,800,000.00**

**TOTAL ESTIMATED CONSTRUCTION COST (2017) \$ 13,900,000.00**

NOTE:

- 1.) Assumes overlay of existing US 278 within project limits
- 2.) Assumes 4 foot paved shoulders along US 278 (within project limits)
- 3.) Paving courses assumed from SCDOT Proj ID 0041808 (2014)
- 4.) 2017 estimate assumes a 4% inflation per year
- 5.) Estimate does not include costs for wetland permitting, mitigation, etc.



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**R/W Acquisition Costs**

Right-of-Way	Price/SF \$ 12.00	Total (SF) 75289	\$	903,468.00
Damages/Contigencies (25% of Subtotal)				\$ 225,867.00
Acquisition	Price/Parcel \$ 5,000.00	Parcel # 6	\$	30,000.00
Total				\$ 1,159,335.00

NOTE:

- 1.) Total r/w cost assumes no cost for State, P.O.A or Town-owned property acquisition (dedication assumed)
- 2.) Acquisition cost includes all individual parcels that would require acquisition



**COST ESTIMATION SPREADSHEET**

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**PROJECT**

Jenkins Island Access Management - Concept Alternate #2A

**ROADWAY**

Description	AMOUNT	UNIT	Cost per Unit		Cost
			\$/ UNIT		
HMA SURFACE COURSE	5770	TON	\$	62.00	\$ 357,740.00
HMA INTERMEDIATE COURSE	1790	TON	\$	65.00	\$ 116,350.00
HMA BASE COURSE	7230	TON	\$	68.00	\$ 491,640.00
LIQUID ASPHALT BINDER PG64-22	720	TON	\$	675.00	\$ 486,000.00
2' CURB & GUTTER	820	LF	\$	20.00	\$ 16,400.00
ASPHALT PAVEMENT REMOVAL	1852	SY	\$	15.00	\$ 27,780.00
CONCRETE ISLANDS	90	SY	\$	90.00	\$ 8,100.00
TRAFFIC SIGNALS	2	EA	\$	150,000.00	\$ 300,000.00
<b>Sub-Total:</b>					<b>\$ 1,804,010.00</b>
<i>ASSUME SUBTOTAL ACCOUNTS FOR 45% OF ROADWAY COST</i>					<b>ROADWAY-Total: \$ 4,008,911.11</b>

**BRIDGES & STRUCTURES**

Description	AMOUNT	UNIT	Cost per Unit		Cost
			\$/ UNIT		
	0.00				\$ -
<b>BRIDGE/STRUC.-Total:</b>					<b>\$ -</b>

**CONSTRUCTION COST (ROADWAY + BRIDGE) \$ 4,100,000.00**

**MISCELLANEOUS**

CEI COST (15% OF CONSTRUCTION COST)	\$ 600,000.00
ENGINEERING COST (10% OF CONSTRUCTION COST)	\$ 400,000.00
RIGHT-OF-WAY COST	\$ -
UTILITY RELOCATION COST (15% OF CONSTRUCTION COST)	\$ 600,000.00

**TOTAL SUBTOTAL \$ 5,700,000.00**

**20% CONTINGENCIES \$ 1,100,000.00**

**TOTAL ESTIMATED CONSTRUCTION COST (2015) \$ 6,800,000.00**

**TOTAL ESTIMATED CONSTRUCTION COST (2017) \$ 7,400,000.00**

**NOTE:**

- 1.) Assumes overlay of existing US 278 within project limits
- 2.) Assumes 4 foot paved shoulders along US 278 (within project limits)
- 3.) Paving courses assumed from SCDOT Proj ID 0041808 (2014)
- 4.) 2017 estimate assumes a 4% inflation per year
- 5.) Estimate does not include cost for wetland permitting, mitigation, etc.



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**PROJECT**

Jenkins Island Access Management - Concept Alternate #2A

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**R/W Acquisition Costs**

Right-of-Way	Price/SF \$ 12.00	Total (SF) 0	\$	-
Damages/Contingencies (25% of Subtotal)			\$	-
Acquisition	Price/Parcel \$ 5,000.00	Parcel # 0	\$	-
Total			\$	-

NOTE:

- 1.) Total r/w cost assumes no cost for State, P.O.A, or Town-owned property acquisition (dedication assumed)
- 2.) Acquisition cost includes all individual parcels that would require acquisition