

Project No.
Description

ASPA 210305
Preliminary Cost Summary Table

Prel.

County: Mobile

Notes: Cost Opinion based upon 35% Design Drawings
(Prepared by others)

Prepared By: Moffatt & Nichol Date 2/17/2021

Requested By: Date

Priced By:

			Connector Road				\$ 23,171,126.00
			Ramp Access				\$ 2,244,217.00
			VAD Improvements				\$ 12,571,406.00
			Total				\$ 37,986,749.00

Project No. **ASPA 210305**
 Description Connector Road between MCT and Garrows Bend ICTF
 Typical Section 2-lane undivided

Prel.

County: **Mobile**

PROJECT COST
\$23,171,126

Prepared By: Moffatt & Nichol Date 2/17/2021
 Requested By: Date
 Priced By:

Line Item	Div	Sec No.	Description	Quantity	Unit	Price	Amount
	0		General				
	1		Preliminary				
	1		Construction Stakeout	1	LS	\$ 10,000.00	\$ 10,000.00
610C001	1		Loose Riprap, Class 2	256.55	Tons	\$ 53.14	\$ 13,633.07
	1		Railroad Permit and Crossing Cost	1	LS	\$ 15,000.00	\$ 15,000.00
	1		Mobilization (5%)				\$ 755,892.43
	1		Traffic Control (1%)				\$ 151,178.49
							\$ -
	2		Grading				\$ -
	2		Borrow Excavation (Embankment Fill)	58,671	CY	\$ 18.00	\$ 1,056,078.00
	2		Borrow Excavation (MSE Wall Fill)	20,312	CY	\$ 18.00	\$ 365,616.00
	2		Wick Drains	291,036.00	LF	\$ 1.00	\$ 291,036.00
	2		Settlement Plates and Monitoring	1	LS	\$ 10,000.00	\$ 10,000.00
	2		Geotextile	20,739	SY	\$ 3.00	\$ 62,217.00
	2		Roadbed Processing	2,139	LF	\$ 8.80	\$ 18,823.20
							\$ -
	3		Drainage				\$ -
530A001	3		18" Roadway Pipe (Class 3 R.C.)	900	LF	\$ 90.86	\$ 81,774.00
	3		Type 3 Inlet	10	EA	\$ 5,500.00	\$ 55,000.00
	3		Ditch Lining	2,430	LF	\$ 1.50	\$ 3,645.00
							\$ -
	4		Structures				\$ -
	4		Bridge Concrete Superstructure	1,579	CY	\$ 1,300.00	\$ 2,052,700.00
	4		Bridge Substructure Concrete	377	CY	\$ 1,000.00	\$ 377,000.00
	4		Steel Reinforcement	404,660	LB	\$ 3.50	\$ 1,416,310.00
	4		Furnish Pretensioned-Prestressed Concrete Girders (BT-54)	3,600	LF	\$ 625.00	\$ 2,250,000.00
	4		Pretensioned-Prestressed Concrete Girders (BT-63)	530	LF	\$ 700.00	\$ 371,000.00
	4		Pretensioned-Prestressed Concrete Girders (BT-72)	2,025	LF	\$ 800.00	\$ 1,620,000.00
	4		Concrete Piling Furnished (18" Square)	2,808	LF	\$ 125.00	\$ 351,000.00
	4		Concrete Piling Driven (18" Square)	2,808	LF	\$ 30.00	\$ 84,240.00
	4		Dynamic Loading Tests (18" Square)	4	EA	\$ 7,500.00	\$ 30,000.00
	4		Concrete Piling Furnished (24" Square)	3,384	LF	\$ 225.00	\$ 761,400.00
	4		Concrete Piling Driven (24" Square)	3,384.0	LF	\$ 30.00	\$ 101,520.00
	4		Dynamic Loading Tests (24" Square)	11	EA	\$ 7,500.00	\$ 82,500.00
	4		Concrete Barrier	4,522	LF	\$ 200.00	\$ 904,400.00
	4		Elastomeric Bearings	112	EA	\$ 500.00	\$ 56,000.00
	4		Joint Seal	611	LF	\$ 150.00	\$ 91,650.00

Project No. **ASPA 210305**
 Description Connector Road between MCT and Garrows Bend ICTF
 Typical Section 2-lane undivided

Prel.

County: **Mobile**

PROJECT COST
\$23,171,126

Prepared By: Moffatt & Nichol Date 2/17/2021
 Requested By: Date
 Priced By:

	4		Grooving Concrete Bridge Deck	6,331	SY	\$ 10.00	\$ 63,310.00
	4		Retaining Wall	24,000	SF	\$ 30.00	\$ 720,000.00
	5		<u>Paving</u>				
424A-360	5		Superpave Bituminous Concrete Wearing Surface Layer	893	Tons	\$ 80.00	\$ 71,440.00
424B-651	5		Superpave Bituminous Concrete Upper Binder Layer	1,826	Tons	\$ 83.00	\$ 151,558.00
424B-681	5		Superpave Bituminous Concrete Lower Binder Layer	3,657	Tons	\$ 83.00	\$ 303,531.00
301A-020	5		Crushed Aggregate Base Course, Type B, Plant Mixed	11,158	SY	\$ 15.00	\$ 167,370.00
450B-000	5		Reinforced Cement Concrete Bridge End Slab	214	SY	\$ 220.80	\$ 47,251.20
	6		<u>Shoulders</u>				
623B002	6		Concrete Curb, Type A	2,430	LF	\$ 31.00	\$ 75,330.00
630A001	6		Steel Beam Guardrail, Class A, Type 2	2,430	LF	\$ 25.00	\$ 60,750.00
701A227	6		Solid White, Class 2, Type A Traffic Stripe (5" Wide)	6,956	LF	\$ 0.66	\$ 4,590.96
701A320	6		Solid Yellow, Class 2, Type A Traffic Stripe (5" Wide)	7,100	LF	\$ 0.66	\$ 4,686.00
705A023	6		Pavement Markers, Class C, Type 2-D	45	EA	\$ 5.50	\$ 247.50
	7		<u>Landscaping</u>				
652A100	7		Seeding	2.08	Acre	\$ 1,260.00	\$ 2,620.80
656A010	7		Mulching	2.08	Acre	\$ 1,260.00	\$ 2,620.80
	7		Erosion Control (5%)				\$ 755,892.43
	8		<u>Traffic, Utilities, and Lighting</u>				
	8		Traffic Signals	1	LS	\$ 250,000.00	\$ 250,000.00
	8		Lighting	1	LS	\$ 400,000.00	\$ 400,000.00
	8		Signing	1	LS	\$ 10,000.00	\$ 10,000.00
	8		Utility Relocation Cost	1	LS	\$ 250,000.00	\$ 250,000.00
			Subtotal Costs				\$ 15,117,848.53
			Contingencies (20%)				\$ 3,023,569.71

Lgth 0.672 MI **Construction Cost** \$ 19,804,381.59

Project No.	<u>ASPA 210305</u>	Prel.	County:	<u>Mobile</u>
Description	Connector Road between MCT and Garrows Bend ICTF			
Typical Section	2-lane undivided			PROJECT COST \$23,171,126
Prepared By:	Moffatt & Nichol	Date	2/17/2021	
Requested By:		Date		
Priced By:				

<u>Survey Cost (1%)</u>	\$	198,043.82
<u>Engineering (5%)</u>	\$	990,219.08
<u>Inspection (7%)</u>	\$	1,386,306.71
<u>Testing (4%)</u>	\$	792,175.26
Project Cost	\$	23,171,126.46

Project No. **ASPA 210305**
 Description Ramp Access Road to VAD-North

Prel.

County: **Mobile**

Typical Section 2-lane undivided, paved shoulders

PROJECT COST
\$2,244,217

Prepared By: Moffatt & Nichol Date 2/17/2021
 Requested By: Date
 Priced By:

Line Item	Div	Sec No.	Description	Quantity	Unit	Price	Amount
	0		General				
	1		Preliminary				
	1		Mobilization (5%)				\$ 73,211.23
	1		Traffic Control (1%)				\$ 14,642.25
	2		Grading				
	2		Borrow Excavation (Embankment Fill)	9,070	CY	\$ 18.00	\$ 163,260.00
	2		Wick Drains	37,230	LF	\$ 1.00	\$ 37,230.00
	2		Geotextile	2,068	SY	\$ 3.00	\$ 6,204.00
	2		Roadbed Processing	295	LF	\$ 8.80	\$ 2,596.00
							\$ -
	3		Drainage				
	3		Ditch Lining	650	LF	\$ 1.50	\$ 975.00
	4		Structures				
	4		Bridge Concrete Structure (70' x 60')	4,200	SF	\$ 183.00	\$ 768,600.00
	4		Concrete Barrier	140	LF	\$ 200.00	\$ 28,000.00
	5		Paving				
424A-360	5		Superpave Bituminous Concrete Wearing Surface Layer	136	Tons	\$ 80.00	\$ 10,880.00
424B-651	5		Superpave Bituminous Concrete Upper Binder Layer	278	Tons	\$ 83.00	\$ 23,074.00
424B-681	5		Superpave Bituminous Concrete Lower Binder Layer	532	Tons	\$ 83.00	\$ 44,156.00
301A-020	5		Crushed Aggregate Base Course, Type B, Plant Mixed	1,702	SY	\$ 15.00	\$ 25,530.00
450B-000	5		Reinforced Cement Concrete Bridge End Slab	107	SY	\$ 220.80	\$ 23,625.60
	6		Shoulders				
623B002	6		Concrete Curb, Type A	650	LF	\$ 31.00	\$ 20,150.00
630A001	6		Steel Beam Guardrail, Class A, Type 2	640	LF	\$ 25.00	\$ 16,000.00
701A227	6		Solid White, Class 2, Type A Traffic Stripe (5" Wide)	800	LF	\$ 0.66	\$ 528.00
701A320	6		Solid Yellow, Class 2, Type A Traffic Stripe (5" Wide)	695	LF	\$ 0.66	\$ 458.70
705A023	6		Pavement Markers, Class C, Type 2-D	9	EA	\$ 5.50	\$ 49.50

Project No. ASPA 210305
 Description Ramp Access Road to VAD-North

Prel.

County: Mobile

Typical Section 2-lane undivided, paved shoulders

PROJECT COST
\$2,244,217

Prepared By: Moffatt & Nichol Date 2/17/2021
 Requested By: Date
 Priced By:

Line Item	Div	Sec No.	Description	Quantity	Unit	Price	Amount
	7		Landscaping				
652A100	7		Seeding	0.39	Acre	\$ 1,260.00	\$ 491.40
656A010	7		Mulching	0.39	Acre	\$ 1,260.00	\$ 491.40
	7		Erosion Control (5%)				\$ 73,211.23
	8		Traffic, Utilities, and Lighting				
	8		Lighting	1	LS	\$ 40,900.00	\$ 40,900.00
	8		Signing	1	LS	\$ 1,025.00	\$ 1,025.00
	8		Security Gate	1	LS	\$ 250,000.00	\$ 250,000.00
			Subtotal Costs				\$ 1,464,224.60
			Contingencies (20%)				\$ 292,844.92

Lgth 0.071 MI Construction Cost \$ 1,918,134.23

Survey Cost (1%) \$ 19,181.34

Engineering (5%) \$ 95,906.71

Inspection (7%) \$ 134,269.40

Testing (4%) \$ 76,725.37

Project Cost \$ 2,244,217.05

Project No.
Description

ASPA 210305
VAD Site Improvements

Prel.

County:

Mobile

Typical Section

PROJECT COST
\$12,571,406

Prepared By: Moffatt & Nichol
Requested By:
Priced By:

Date 2/17/2021
Date

Line Item	Div	Sec No.	Description	Quantity	Unit	Price	Amount
VAD - North							
			General				
			Preliminary				
			Mobilization (5%)				\$ 353,691.50
			Traffic Control (1%)				\$ 70,738.30
			Earthwork				
			Clearing and Grubbing (Includes Tree Clearing & Disposal)	110	AC	\$ 3,500.00	\$ 385,000.00
			Unclassified Excavation (Onsite Grading)	140,000	CY	\$ 9.00	\$ 1,260,000.00
			Borrow Excavation	220,000	CY	\$ 18.00	\$ 3,960,000.00
			Unclassified Excavation (Offsite Disposal)	44,110	CY	\$ 13.00	\$ 573,430.00
			Erosion Control				
			BMP's/Maintenance of Erosion Control	1	LS	\$ 30,000.00	\$ 30,000.00
			Silt Fence (50% of perimeter)	6,850	LF	\$ 4.00	\$ 27,400.00
			Temporary Seeding (50% Disturbed Land)	55	AC	\$ 600.00	\$ 33,000.00
			Erosion Control (5%)				\$ 353,691.50
			Drainage				
			72" RC Pipe Culv, Class V	700	LF	\$ 485.00	\$ 339,500.00
			Box Culvert (6-ft tall x 6-ft Wide)	700	LF	\$ 390.00	\$ 273,000.00
			10' Diameter Manhole, 12 ft height	4	EA	\$ 15,000.00	\$ 60,000.00
			Utilities				
			8" Sewer Main	500	LF	\$ 32.00	\$ 16,000.00
			48" Sewer Manholes	4	EA	\$ 3,000.00	\$ 12,000.00
			6" Sewer Service	200	LF	\$ 20.00	\$ 4,000.00
			8" Ductile Water Main	500	LF	\$ 40.00	\$ 20,000.00
			Backflow Prevention Device	2	EA	\$ 20,000.00	\$ 40,000.00
			Fire Hydrant Assembly	2	EA	\$ 5,500.00	\$ 11,000.00
			20" steel casing pipe	90	LF	\$ 130.00	\$ 11,700.00
			Connect to Existing Water Main	1	EA	\$ 10,000.00	\$ 10,000.00
			Plug 8" Water	2	EA	\$ 1,400.00	\$ 2,800.00
			8" Valve and Box	2	EA	\$ 2,500.00	\$ 5,000.00

Project No.
Description

ASPA 210305
VAD Site Improvements

Prel.

County:

Mobile

Typical Section

PROJECT COST
\$12,571,406

Prepared By: Moffatt & Nichol
Requested By:
Priced By:

Date 2/17/2021
Date

Line Item	Div	Sec No.	Description	Quantity	Unit	Price	Amount
VAD - South							
			General				
			Preliminary				
			Mobilization (5%)				\$ 56,415.05
			Traffic Control (1%)				\$ 11,283.01
			Earthwork				
			Clearing and Grubbing (Includes Tree Clearing & Disposal)	21	AC	\$ 3,500.00	\$ 73,500.00
			Unclassified Excavation (Haul Fill to VAD-N)	70,277	CY	\$ 13.00	\$ 913,601.00
			Erosion Control				
			BMP's/Maintenance of Erosion Control	1	LS	\$ 30,000.00	\$ 30,000.00
			Silt Fence (50% of perimeter)	2,500	LF	\$ 4.00	\$ 10,000.00
			Temporary Seeding (50% Disturbed Land)	11	AC	\$ 600.00	\$ 6,600.00
			Erosion Control (5%)				\$ 56,415.05
			Utilities				
			8" Sewer Main	150	LF	\$ 32.00	\$ 4,800.00
			48" Sewer Manholes	4	EA	\$ 3,000.00	\$ 12,000.00
			6" Sewer Service	50	LF	\$ 20.00	\$ 1,000.00
			8" Ductile Water Main	200	LF	\$ 40.00	\$ 8,000.00
			Backflow Prevention Device	2	EA	\$ 20,000.00	\$ 40,000.00
			Fire Hydrant Assembly	2	EA	\$ 5,500.00	\$ 11,000.00
				0	0	\$ -	\$ -
			Connect to Existing Water Main	1	EA	\$ 10,000.00	\$ 10,000.00
			Plug 8" Water	2	EA	\$ 1,400.00	\$ 2,800.00
			8" Valve and Box	2	EA	\$ 2,500.00	\$ 5,000.00
			Subtotal Costs				\$ 8,202,131.00
			Contingencies (20%)				\$ 1,640,426.20

Construction Cost \$ 10,744,791.61

Project No. ASPA 210305
 Description VAD Site Improvements

Prel.

County: Mobile

Typical Section

PROJECT COST
\$12,571,406

Prepared By: Moffatt & Nichol

Date 2/17/2021

Requested By:

Date

Priced By:

Line Item	Div	Sec No.	Description	Quantity	Unit	Price	Amount
			<u>Survey Cost (1%)</u>				\$ 107,447.92
			<u>Engineering (5%)</u>				\$ 537,239.58
			<u>Inspection (7%)</u>				\$ 752,135.41
			<u>Testing (4%)</u>				\$ 429,791.66
			Project Cost				\$ 12,571,406.18