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PROPOSED
BEAVER CREEK DRIVE
EXTENSION

Applied Felts

Eastman

Schock

EXISTING BEAVER CREEK DRIVE

HOLLIE
DRIVE

Patriot Centre Beaver Creek Drive Ext.

Henry County, Virginia
Scale: 1" = 300'

Source: Henry County Aerial Photography 2021

**Patriot Centre at Beaver Creek
Beaver Creek Drive Extension**

**Desc.: Beaver Creek Drive Extension
North & Southbound Lanes and
Crossover - 3/2/23**

Item	Description	Unit	Est. Qty.	Unit Price	Extended Price
ROADWAY					
	Pavement (107+00 - 120+45) (200+00 - 227+50) (300+00 - 303+90)	LF	4,485	\$325.00	\$1,457,625
	2" Surface Course Asphalt SM 9.5A				
	4" Base Course Asphalt BM-25.0				
	12" Aggregate Base No. 21B				
	Pavement (100+00 - 107+00)	LF	700	\$300.00	\$210,000
	2" Surface Course Asphalt SM 9.5A				
	6" Aggregate Base No. 21B				
	CG-7	LF	5,185	\$60.00	\$311,100
	GR-9 Guardrail Terminal	EA	5	\$8,500.00	\$42,500
	GR-11 Guardrail Terminal	EA	3	\$5,500.00	\$16,500
	GR-2 Guardrail	LF	2,515	\$60.00	\$150,900
	CD-1 Underdrain	LF	150	\$50.00	\$7,500
	4" PVC Outlet Pipe	LF	188	\$60.00	\$11,280
	4" EW-12	EA	7	\$2500.00	\$17,500
	EC-1 Class II Riprap Ditch Lining	TON	55	\$200.00	\$11,000
	Subtotal				\$2,235,905
EROSION CONTROL - ROADWAY					
	Seeding Area Steeper than 3:1	AC	4	\$5,500.00	\$22,000
	Seeding Area Flatter than 3:1	AC	2	\$3,500.00	\$7,000
	Silt Fence	LF	5,573	\$8.00	\$44,584
	Outlet Protection	EA	15	\$3,000.00	\$45,000
	Culvert Inlet Protection	EA	4	\$3,000.00	\$12,000
	Inlet Protection	EA	27	\$1,500.00	\$40,500
	Construction Entrance	EA	1	\$12,000.00	\$12,000
	Diversion	LF	1,850	\$20.00	\$37,000
	Erosion Control Subtotal				\$220,084
STORM DRAINAGE - ROADWAY					
	15" RCP - Class III	LF	610	\$125.00	\$76,250
	15" EW-1	EA	7	\$2500.00	\$17,500
	18" RCP - Class III	LF	263	\$150.00	\$39,450
	18" EW-1	EA	3	\$2500.00	\$7,500
	24" RCP - Class V	LF	33	\$225.00	\$7,425
	36" RCP Class III	LF	145	\$250.00	\$36,250
	36" RCP Class V	LF	146	\$400.00	\$58,400
	36" EW-1	EA	4	\$2,500.00	\$10,000
	42" RCP	LF	67	\$500.00	\$33,500
	45" x 29" Elliptical Pipe Class III	LF	29	\$750.00	\$21,750
	EW-1APC for 45" x 29" Pipe	EA	1	\$15,000.00	\$15,000
	48" Inlet Base Structure	VF	81	\$450.00	\$36,450
	48" Doghouse Base	VF	11	\$750.00	\$8,250
	DI-2B Top	EA	12	\$4,500.00	\$54,000
	DI-2C Top	EA	1	\$4,500.00	\$4,500
	DI-7 Top with Type A Grate	EA	8	\$3,500.00	\$28,000
	DI-7 Top with Type B Grate	EA	2	\$3,500.00	\$7,000
	Storm Drainage Subtotal				\$461,225
ENVIRONMENTAL - ROADWAY					
	Stream Impacts	LF	312	\$600.00	\$187,200
	Wetlands	AC	0.07	\$85,000.00	\$5,950
	Environmental Subtotal				\$193,150
	Roadway - Estimated Construction Cost				\$3,110,364
	Contingencies			20.0%	\$622,073
	Mobilization			5.0%	\$155,518
	Roadway - Estimated Total Construction Cost				\$3,887,955
	Engineering, Construction Administration			12.0%	\$373,244
	Administration, Legal, Finance, etc.			1.0%	\$43,545
	Total Project Cost				\$4,304,744