

Engineer's Estimate (16 17)

Project: Bohannon Dr. DST & 12" Stabilz Base
 Estimator: Fig 062717

Work Order NO. P03038.00

Date: June 27, 2017
 P/VAS No. 3022
 District No. 1

No.	Street Name	County Maint. Y/N	Road Rating	Width	Length	Sy.- Paving	Drives	Mailboxes	Spandrels	T's	Manhole	W.Valve	Cul de Sac	Turnaround	Sidewalk Repair SY	Base Repair SY
1	Bohannon Road	N	G	20	2625	5834.0	20	10	2				1	0		0
2					0	0.0										
3					0	0.0										
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TOTALS =					2,625.0	5,834.0	20	10	2	0	0	0	1	0	0	0
<u>Combined Distance = 0.5 MILES</u>																

AREA IN SY. 5,834.0

Spandrels @ 30 Sy. Ea. 2 60

T" Turn Around @ 50 Sy. Ea. 0 0

Cul-de-Sac @ 520 Sy. Ea. 1 520

Drives @ 20SY Ea. (Turnouts) 21 430

Total Sy. Ex. Pavement = 6,844.0 Sy.

Engineer's Estimate - Asphalt Contract
Bohannon Dr; DST & 12" Stablzd Base

Project: _____
 Estimator: _____
 Fig _____

ASPHALT ITEMS

ITEM NO.	DESCRIPTION	QTY.	UNITS	UNIT PRICE	AMOUNT
102-91	Temporary Pavement Markings (Paint)	263	LF	\$0.25	
102-10-2	Temporary Pavement Markings (Tape)		LF	\$5.00	\$55.63
104-10-1	Baled Hay (Staked)		EA	\$7.50	
104-11	Turbidity Barrier (Floating)		LF	\$12.00	
104-13	Silt Fence (Staked)	6,038	LF	\$0.75	\$4,528.13
104-16	Rock Bags		EA	\$5.00	
110-1-1A	Clearing and Grubbing < 6"	2	AC	\$2,000.00	\$4,000.00
110-1-1B	Clearing and Grubbing > 6"		AC	\$4,500.00	
110-4	Removal of Existing Pavement (Concrete)		SY	\$12.50	
110-4-7	Road Edge Preparation	5,250	LF	\$0.55	\$2,887.50
110-4-8	Sawcut Concrete Driveways		LF	\$3.50	
110-4-9	Sawcut Asphaltic Concrete		LF	\$3.50	
110-50	"Pickup" Type Power Broom		HR	\$130.00	
110-7	Mailboxes (Relocation) (Furnish and Install)	10	EA	\$390.00	\$3,900.00
120-1	Regular Excavation		CY	\$11.50	
120-2	Borrow Excavation		CY	\$11.75	
120-6	Embankment		CY	\$10.00	
121-70	Flowable Fill		CY	\$220.00	
160-4-1	Stabilization, Type "B" (6")(LBR40)		SY	\$2.75	
160-4-2	Stabilization, Type "B" (12")(LBR40)	6,844	SY	\$4.00	\$27,376.00
162-2	Topsoil		SY	\$17.00	
270-1-A	Full Depth Reclamation (8" Depth)		SY	\$5.50	
270-1-A1	Full Depth Reclamation (10" Depth)		SY	\$6.50	
270-1-B	Portland Cement		TN	\$145.00	
270-1	Soil Cement Base (300 psi) (Plant-Mixed) (8")		SY	\$8.00	
270-1-1	Soil Cement Base (300 psi) (Plant-Mixed) (10")		SY	\$10.00	
210-2	Limerock, New Material for rework base		TN	\$17.50	
285-705-12	Base (Optional) Limerock (6")		SY	\$8.00	
285-707-11	Base (Optional) Limerock (8")		SY	\$10.50	
285-710-11	Base (Optional) Limerock (10")		SY	\$12.00	
285A	Crushed Concrete Base		SY	\$17.00	
285B	Blended Base		SY	\$18.00	
286-1	Turnout Construction (Concrete)		SY	\$65.00	
286-2	Turnout Construction (Asphalt)		TN	\$200.00	
310-1	Single Surface Treatment		SY	\$2.10	
310-2	Double Surface Treatment	6,844	SY	\$3.50	\$23,954.00
310-3	Triple Surface Treatment		SY	\$4.90	
327-70-8	Milling of Existing Asphalt Pavement (2-1/2" Maximum Depth) (Various Widths)		SY	\$1.75	
327-70-9A	Milling of Existing Asphalt Pavement (2-1/2" Maximum Depth) (Various Widths)		SY	\$2.50	
327-70-9B	Haul and Stockpile Millings		CY-MI	\$0.90	
331-1	Asphalt Price Index Adjustment		GA	\$0.15	
331-2-1	Type S-I Asphalt Concrete Cement (ACC), Leveling		TN	\$90.00	
331-2-4	Type S-III ACC, Leveling		TN	\$95.00	
331-2-6	Type S-III ACC, Surface or Intermediate Course		TN	\$92.00	
331-2-7	Type S-I ACC, Deep Patch		TN	\$105.00	
331-2-8	Type ABC-3		TN	\$110.00	
331-2-9	Type FC-3 (without rubber)		TN	\$95.00	
334-1	Type PD-III ACC, Surface or Intermediate Course		TN	\$95.00	
334-1-1	Cold In Place Recycling (3"-5")		TN	\$6.50	
334-1-2	Asphalt Emulsion Added		GA	\$2.25	
339-1	Miscellaneous Asphalt Pavement		TN	\$185.00	
400-1-2	Endwall (Class II Concrete)		CY	\$750.00	
400-1-15	Class I Concrete (Miscellaneous)		CY	\$575.00	
415-1	Reinforcing Steel		LB	\$2.50	
425-10	Yard Drains		EA	\$1,000.00	
425-1-31	Inlet (Curb Type P-1)		EA	\$3,250.00	
425-1-32	Inlet (Curb Type P-2)		EA	\$3,250.00	
425-1-33	Inlet (Curb Type P-3)		EA	\$3,000.00	
425-1-34	Inlet (Curb Type P-4)		EA	\$3,000.00	
425-1-41	Inlet (Curb Type J-1)		EA	\$4,250.00	
425-1-42	Inlet (Curb Type J-2)		EA	\$4,000.00	
Sub Total					\$66,711.25

Engineer's Estimate - Asphalt Contract
Bohannon Dr: DST & 12" Stablzd Base

Project:
 Estimator

Fig

ITEM NO.	DESCRIPTION	QTY.	UNITS	UNIT PRICE	AMOUNT
425-1-43	Inlet (Curb Type J-3)		EA	\$3,900.00	
425-1-44	Inlet (Curb Type J-4)		EA	\$4,000.00	
425-1-47	Inlet (Curb Type 7)		EA	\$3,900.00	
425-1-48	Inlet (Curb Type 8)		EA	\$3,900.00	
425-1-52	Inlets (DT BOT Type C)		EA	\$2,500.00	
425-1-54	Inlets (DT BOT Type D)		EA	\$2,800.00	
425-1-55	Inlets (DT BOT Type E)		EA	\$3,000.00	
425-1-58	Inlets (DT BOT Type H)		EA	\$3,100.00	
425-1-71	Inlets (Gutter Type V)		EA	\$3,100.00	
425-5	Adjusting Manholes (riser rings)		EA	\$200.00	
425-5A	Manhole Cover (replace)		EA	\$250.00	
425-6	Adjusting Valve Boxes		EA	\$150.00	
430-11-423	15" Reinforced Concrete Pipe (Class IV)		LF	\$60.00	
430-11-425	18" Reinforced Concrete Pipe (Class IV)		LF	\$70.00	
430-11-429	24" Reinforced Concrete Pipe (Class IV)		LF	\$82.00	
430-11-433	30" Reinforced Concrete Pipe (Class IV)		LF	\$90.00	
430-11-438	36" Reinforced Concrete Pipe (Class IV)		LF	\$98.00	
430-11-440	42" Reinforced Concrete Pipe (Class IV)		LF	\$112.00	
430-11-441	48" Reinforced Concrete Pipe (Class IV)		LF	\$132.00	
430-11-442	54" Reinforced Concrete Pipe (Class IV)		LF	\$175.00	
430-11-443	60" Reinforced Concrete Pipe (Class IV)		LF	\$205.00	
430-141-01	12" X 18" Elliptical RCP (Class IV)		LF	\$68.00	
430-141-02	14" X 23" Elliptical RCP (Class IV)		LF	\$70.00	
430-141-03	19" X 30" Elliptical RCP (Class IV)		LF	\$85.00	
430-141-04	24" X 38" Elliptical RCP (Class IV)		LF	\$98.00	
430-141-05	29" X 45" Elliptical RCP (Class IV)		LF	\$115.00	
430-141-08	34" X 53" Elliptical RCP (Class IV)		LF	\$155.00	
430-141-09	38" X 60" Elliptical RCP (Class IV)		LF	\$180.00	
430-190-143A	Relay Existing Pipe (Concrete Round) (< 30")		LF	\$50.00	
430-190-143B	Relay Existing Pipe (Concrete Round) (30" - 60")		LF	\$95.00	
430-98-223	15" Mitered End Section		EA	\$700.00	
430-98-225	18" Mitered End Section		EA	\$750.00	
430-98-229	24" Mitered End Section		EA	\$900.00	
430-98-233	30" Mitered End Section		EA	\$1,950.00	
430-98-238	36" Mitered End Section		EA	\$2,100.00	
430-98-240	42" Mitered End Section		EA	\$3,500.00	
430-98-241	48" Mitered End Section		EA	\$3,700.00	
430-98-242	54" Mitered End Section		EA	\$5,000.00	
430-98-243	60" Mitered End Section		EA	\$5,500.00	
430-98-401	12" X 18" Mitered End Section		EA	\$750.00	
430-98-402	14" X 23" Mitered End Section		EA	\$900.00	
430-98-403	19" X 30" Mitered End Section		EA	\$1,300.00	
430-98-404	24" X 38" Mitered End Section		EA	\$1,850.00	
430-98-405	29" X 45" Mitered End Section		EA	\$3,600.00	
430-98-408	34" X 53" Mitered End Section		EA	\$4,500.00	
430-98-409	38" X 60" Mitered End Section		EA	\$5,000.00	
440-1-10	Underdrain (Type I)		LF	\$40.00	
440-1-20	Underdrain (Type II)		LF	\$60.00	
514-71	Plastic Filter Fabric		SY	\$4.25	
515-1-2	Handrail (Aluminum)		LF	\$130.00	
520-1-7	Concrete Curb and Gutter (Type E)		LF	\$30.00	
520-1-10	Concrete Curb and Gutter (Type F)		LF	\$32.00	
520-3	Concrete Valley Gutter		LF	\$41.00	
520-4	Special Concrete Gutter		LF	\$40.00	
522-1	Concrete Sidewalk, 4" Thick, 3' - 5' Wide		SY	\$50.00	
522-2	Concrete Sidewalk, 6" Thick, Width Varies		SY	\$60.00	
530-1	Sand Cement Riprap (Roadway)		CY	\$400.00	
547-70-1	Riprap Fabric Formed Concrete (8" Filter Points)		SY	\$250.00	
550-2-22	Fencing, Type B (6' Height)		LF	\$40.00	
550-2-22A	Fencing, Type B (6'Height) (Vinyl Coated)		LF	\$55.00	
550-3-22	Fence Corner Post Assembly		EA	\$200.00	
570-2	Seed and Mulch (Including Fertilizer)		SY	\$0.50	
575-1-1	Sodding (Bahia)		SY	\$2.50	
575-1-4	Sodding (Match Existing)	2,917	SY	\$3.25	\$9,479.17
577-70	Reworking Shoulders	2,917	SY	\$1.05	\$3,062.50
2501-1	Crack Sealing		LF	\$10.00	
2502-1	Microsurfacing (Single)		SY	\$2.25	
2502-2	Microsurfacing (Double)		SY	\$3.25	
2503	Asphalt Rejuvenation (Petroleum Based)		SY	\$1.10	
	PRICE SUBTOTAL				\$12,541.67

	\$79,252.92
18%	
	\$93,518.44

Engineer's Estimate - Public Works
 Project: Bohannon Dr: DST & 12" Stablzd Base
 Estimator: Fig 062717

Date: June 27, 2017
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 District No. 2

Mobilization		LS X	\$	1,015.00		\$	-
Site Prep.		Sy. X	\$	1.69		\$	-
Clear & Grub	LT.	A X	\$	2,200.00	=	\$	-
	Med.	A X	\$	4,850.00	=	\$	-
	Hy.	A X	\$	8,800.00	=	\$	-
Embankment & Fill		Cy. X	\$	7.20		\$	-
Earth Work (Prep. For ABC)		Sy. X	\$	1.47		\$	-
9" Stab. Subgrade		Sy. X	\$	4.46		\$	-
12" Stab. Subgrade		Sy. X	\$	5.95		\$	-
6" Base (Primed)		Sy. X	\$	6.59		\$	-
8" Base (Primed)		Sy. X	\$	8.78		\$	-
4" Limerock (Primed)		Sy. X	\$	9.12		\$	-
6" Limerock (Primed)		Sy. X	\$	13.68		\$	-
8" Limerock (Primed)		Sy. X	\$	16.15		\$	-
10" Limerock (Primed)		Sy. X	\$	20.78		\$	-
12" Limerock (Primed)		Sy. X	\$	26.28		\$	-
Lean Mix		10#/ Sy.	\$	1.08		\$	-
		20#/ Sy.	\$	1.21		\$	-
Sod		Sy. X	\$	1.53		\$	-
Sod (Edge)		Lf X	\$	0.26		\$	-
Seed & Mulch		Sy. X	\$	1.28		\$	-
Baled Hay		Ton X	\$	118.00		\$	-
Silt Fence		Lf X	\$	1.39		\$	-
Floating Turbidity Barrier		Lf X	\$	5.15		\$	-
Final Dress (Shoulders)		Cy. X	\$	7.20		\$	-
Survey & Test		LS X	\$	1.69		\$	2,230.80
		1320				\$	2,250.00
Traffic Control Devices		LS X	\$	750.00		\$	-
Guardrail		Lf X	\$	-		\$	-
Striping		Lf X	\$	1.67		\$	-
Other			\$	-		\$	-
Drainage			\$	-		\$	-

PUBLIC WORKS SUB TOTAL =			\$	4,480.80
ADMINISTRATION	7.5%		\$	336.06
CONTINGENCY	15%		\$	672.12
PUBLIC WORKS TOTAL			\$	5,488.98

ASPHALT TOTAL			\$	93,518.44
ASPHALT AND PUBLIC WORKS TOTAL =			\$	99,007.42
Engineering, Inspection & Administration +	7.00%		\$	6,930.52
CONSTRUCTION TOTAL =			\$	105,937.94

Number of Lots	=	29.00		
RECORDING				
Resolutor	1	First page	\$	10.00
	1	Pages	\$	8.50
Roll:	1	First page	\$	10.00
	4	pages	\$	8.50
Subtotal			\$	62.50
LIEN SATISFACTION	29	Pages	\$	10.00
OVERHEAD	29	Lots X	\$	10.00 / year
		Years		10
Subtotal			\$	3,190.00
		Lien/Overhead	\$	109,190.44
TOTAL =			\$	111,374.25

Tax Office 2% Fee Added