UNIT LIST PRICE FOR PERFORMANCE BONDS
TOWN OF WARRENTON
DEPARTMENT OF PLANNING, ZONING, UTILITIES & PUBLIC WORKS

PROJECT NAME Fields of Dakota - Infrastructure Plan

T.O.W. FILE # SDP 2018-10 **DATE PREPARED:** 2/1/2022

NOTE: **This form is to be used as a work sheet to estimate performance bond prices posted with Town of Warrenton. These prices do not include items that are to be bonded separately with other agnecies. The first colum prices are to be used for all of the applicable quantities up to the estabished limits. The second and third column prices are to be applied only to the quantities that exceed the limits established by the first and second column respectively.**

1 STORM DRAINAGE

A. STRUCTURES

QUANTITY				UP TO 10					OVER 10			COST
	DI-1		@	$1,800	ea =	$0		@	$1,440	ea =	$0	0.00
	DI-3 (L≤8')		@	$2,100	ea =	$0		@	$2,310	ea =	$0	0.00
	DI-3 (L≥8')		@	$2,400	ea =	$0		@	$1,920	ea =	$0	0.00
	DI-4		@	$4,000	ea =	$0		@	$3,200	ea =	$0	0.00
	DI-7		@	$2,100	ea =	$0		@	$1,680	ea =	$0	0.00
	MH-1		@	$1,700	ea =	$0		@	$1,360	ea =	$0	0.00
	MH-2		@	$1,800	ea =	$0		@	$1,440	ea =	$0	0.00
	JB-1		@	$5,100	ea =	$0		@	$4,080	ea =	$0	0.00

Page 1 Sub-Total = 0.00

UNIT LIST PRICE FOR PERFORMANCE BONDS - T.O.W

B. CONCRETE PIPE

	Size	Qty		Unit Price	Unit		Amount	COST
	15"0		@	$35	lf	=	$0	0.00
	18"0		@	$38	lf	=	$0	0.00
	21"0		@	$44	lf	=	$0	0.00
	24"0		@	$48	lf	=	$0	0.00
	27"0		@	$50	lf	=	$0	0.00
	30"0		@	$55	lf	=	$0	0.00
	33"0		@	$60	lf	=	$0	0.00
	36"0		@	$97	lf	=	$0	0.00
	42"0		@	$109	lf	=	$0	0.00
	48"0		@	$126	lf	=	$0	0.00
	54"0		@	$143	lf	=	$0	0.00
	60"0		@	$160	lf	=	$0	0.00
	66"0		@	$177	lf	=	$0	0.00
	72"0		@	$206	lf	=	$0	0.00

C. End Walls

		UP TO 10'												OVER 10'				
	15"0		@	$650	ea	=	$0		@	$520	ea	=	$0		@	$390	ea	=	$0	0.00
	18"0		@	$780	ea	=	$0		@	$624	ea	=	$0		@	$468	ea	=	$0	0.00
	21"0		@	$960	ea	=	$0		@	$768	ea	=	$0		@	$576	ea	=	$0	0.00
	24"0		@	$1,000	ea	=	$0		@	$880	ea	=	$0		@	$660	ea	=	$0	0.00

Page 2 Sub-Total = 0.00

UNIT LIST PRICE FOR PERFORMANCE BONDS - T.O.W

C. END WALLS CONT

									COST
0	30"0		@	$1,400	ea	=	$0		0.00
0	33"0		@	$1,500	ea	=	$0		0.00
0	36"0		@	$1,550	ea	=	$0		0.00
0	42"0		@	$2,160	ea	=	$0		0.00
0	48"0		@	$2,470	ea	=	$0		0.00
0	54"0		@	$2,890	ea	=	$0		0.00
0	60"0		@	$3,840	ea	=	$0		0.00
0	66"0		@	$3,860	ea	=	$0		0.00
0	72"0		@	$4,570	ea	=	$0		0.00

D. END SECTIONS (ES-1)

0	15"0		@	$340	ea	=	$0		0.00
0	18"0		@	$480	ea	=	$0		0.00
0	21"0		@	$580	ea	=	$0		0.00
0	24"0		@	$660	ea	=	$0		0.00

Page 3 Sub-Total = 0.00

UNIT LIST PRICE FOR PERFORMANCE BONDS - T.O.W

E. END SECTIONS (ES-1 CONT'D)

								COST
0	27"0		@	$772	ea	=	$0	0.00
0	30"0		@	$872	ea	=	$0	0.00
0	33"0		@	$980	ea	=	$0	0.00
0	36"0		@	$1,060	ea	=	$0	0.00
0	42"0		@	$1,300	ea	=	$0	0.00
0	48"0		@	$1,472	ea	=	$0	0.00

Sub-Total = 0.00

F. DRIVEWAY CULVERTS (Bituminous Coated Corrugated Metal Pipe)

								COST
0	15"		@	$25	LF	=	$0	0.00
0	18"		@	$30	LF	=	$0	0.00

Sub-Total = 0.00

Page 4 Sub-Total = 0.00

UNIT LIST PRICE FOR PERFORMANCE BONDS - T.O.W

G. END SECTIONS (ES-2)

									COST
0	15"0		@	$350	ea	=	$0		$0.00
0	18"0		@	$375	ea	=	$0		$0.00
								Sub-Total =	$0

H. HIGH DENSITY POLYETHYLENE (HDPE) SMOOTHWALL PIPE

									COST
0	15"0		@	$28	lf	=	$0		$0.00
0	18"0		@	$30	lf	=	$0		$0.00
0	24"0		@	$35	lf	=	$0		$0.00
0	30"0		@	$43	lf	=	$0		$0.00
0	36"0		@	$57	lf	=	$0		$0.00
								Sub-Total =	$0.00

Page 5 Sub-Total = $0.00

UNIT LIST PRICE FOR PERFORMANCE BONDS - T.O.W

I. STORMWATER MANAGEMENT/BMP FACILITIES (See Note #2, Last Page)

QUANTITY	Item		@	Unit Price	Unit	=	Amount	COST
	Excavation		@	$7	cy	=	$0	0.00
	Embankment (Fill Material)		@	$10	cy	=	$0	0.00
	Spread & Compact Fill Material		@	$5	cy	=	$0	0.00
	OUTLET STRUCTURE		@		ea	=	$0	0.00
	OUTLET PIPE		@		ea	=	$0	0.00
	End Wall		@		ea	=	$0	0.00
	Anti-Seep Collars		@	$100	sf	=	$0	0.00
	($100 per 12"0 increments)							
	Trash Rack		@	$300	sf	=	$0	0.00

SPILLWAY LINING

QUANTITY	Item		@	Unit Price	Unit	=	Amount	COST
	Seed, Fertilizer & Mulch		@	$2.00	sy	=	$0	0.00
	Sod		@	$8.00	sy	=	$0	
	Hydraulic Cem. Conc. - 4" Depth		@	$54.00	sy	=	$0	0.00
	Bituminous Concrete-1' Depth		@	$5.00	sy	=	$0	0.00
	Rip Rap		@	$65.00	sy	=	$0	0.00
	Grouted Rip-Rap		@	$72.00	sy	=	$0	0.00

Page 6 Sub-Total = 0.00

UNIT LIST PRICE FOR PERFORMANCE BONDS - T.O.W

J. STORMWATER MANAGEMENT/BMP FACILITIES (Continued)

QUANTITY	Item		@	Unit Price	Unit	=	Amount	COST
	Erosion Control Stone (EC-1)		@	$90	ton	=	$0	0.00
	# 57- Coarse Aggregate		@	$25	cy	=	$0	0.00
	Porous Pavement		@	$10	sy	=	$0	0.00
	4' High Chain Link Fence (#9 gauge or Better)		@	$7	lf	=	$0	0.00
	6' High Chain Link Fence (#9 gauge or Better)		@	$11	lf	=	$0	0.00
	6' Board Fence		@	$11	lf	=	$0	0.00
	Other							
			@	$0		=	$0	0.00
			@	$0		=	$0	0.00
			@	$0		=	$0	0.00

K. MISCELLANEOUS DRAINAGE ITEMS

QUANTITY	Item		@	Unit Price	Unit	=	Amount	COST
0	Box Culvert		@	$400	lf	=	$0	0.00

DITCHES

QUANTITY	Item		@	Unit Price	Unit	=	Amount	COST
0	Paved Ditches		@	$7.00	sf	=	$0	0.00
0	Filter Cloth Fabric & Gabion Stone		@	$7.00	sf	=	$0	0.00
0	Sod Ditch		@	$8.00	sy	=	$0	0.00
0	Seed, Fertilizer and Mulch		@	$2.00	sy	=	$0	0.00
0	Rip-Rap		@	$7.22	sf	=	$0	0.00
0	Grouted Rip-Rap		@	$8.00	sf	=	$0	0.00

Page 7 Sub-Total = 0.00

UNIT LIST PRICE FOR PERFORMANCE BONDS - T.O.W

2 CONSTRUCTION WITHIN THE RIGHT-OF-WAY AND /OR EASEMENTS

A. SITE WORKS

			UP TO 5 AC.			OVER 5 AC.		COST
0	Clear & Grub		@ $7,500 AC. =	$0	0	@ $4,400 AC. =	$0	$0.00

		UP TO 2000 CU. YDS.			2001-100,000 CU. YDS.			OVER 100,000 CU. YDS.		COST
240	Excavation	240	@ $7 cy =	$1,680		@ $5.00 cy =	$0		@ $2.50 cy = $0	1,680.00
0	Embankment		@ $10 cy =	$0		@ $8 cy =	$0			0.00
	Spread & Compact Fill Material					@ $5 cy =	$0			0.00
0	Slope Stabilization-Hydroseeding (3:1 or Flatter)					@ $1.00 SQ. YD.	($ 200 Min.)			0.00
0	Slope Stab - Sod, Jute Mesh, etc. (between 2:1 to 3:1)					@ $6.00 SQ. YD.	($ 200 Min.)			0.00
0	Special Slope Stabilization					@ Lump Sum				

B. SUBBASE & BASE COURSE

						COST
0	Aggregate (21A)	12	@ $2.50	SQ. YD./Inch Depth	D= 10 in	300.00
0	Top Course/Intermediate Course Bituminous Concrete	18	@ $5.50	SQ. YD./Inch Depth	D= 1.5 in	148.50
0	Base Bituminous Concrete	12	@ $5.00	SQ. YD./Inch Depth	D= 6 in	360.00
	Class A Prim & Double Seal					
0	Surface Treatment (Tar & Chip)		@ $2.00	SQ. YD.		0.00
0	Gravel Shoulders		@ $8.50	SQ. YD. (4" Depth)		0.00
0	Sidewalk Underdrains		@ $5.25	LF		0.00
0	Cement Stabilization		@ $20.00	SQ. YD. (6" Depth)		0.00
0	Lime Stabilization		@ $15.00	SQ. YD. (6" Depth)		0.00

Page 8 Sub-Total = 2,488.50

UNIT LIST PRICE FOR PERFORMANCE BONDS - T.O.W

C. ENTRANCES

Qty	Item	Qty	@	Unit Price	Unit	=	Amount	COST
0	R-5 Private Entrance		@	$1,500	ea	=	$0	0.00
0	R-6 Private Entrance		@	$1,500	ea	=	$0	0.00
0	R-7 or equal (commercial Entrance)		@	$3,000	ea	=	$0	0.00
	30' Width					=		
0	R-7 or equal (Commercial Entrance)		@	$4,000	ea	=	$0	0.00
	40' Width					=		
0	R-8 or equal (Commercial Entrance)		@	$2,500	ea	=	$0	0.00
	30' Width					=		
0	R-8 or equal (Commercial Entrance)		@	$3,500	ea	=	$0	0.00
	40' Width					=		
0	CG-11		@	$3,000	ea	=	$0	0.00
	Concrete Entrance					=		
0	Valley Gutter		@	$40	lf	=	$0	0.00

D. MISCELLANEOUS CONSTRUCTION ITEMS

Qty	Item	Qty	@	Unit Price	Unit	=	Amount	COST
0	Sidewalk (4' and 5' Widths)		@	$60	sy	=	$0	0.00
0	Header Curb CG-2		@	$20	lf	=	$0	0.00
0	CG-12, Handicapped Ramp		@	$3,000	ea	=	$0	0.00
20	CG-6	20	@	$25	lf	=	$500	500.00

E. UP TO 500 LIN. FT.

Qty	Item	Qty	@	Unit Price	Unit	=	Amount	COST
0	Street Name Sign		@	$300	ea	=	$0	0.00
0	Traffic Control Sign		@	$390	ea	=	$0	0.00
0	Roadside Delineators (ED-1/PTS-8)		@	$64	ea	=	$0	0.00
0	Traffic Barricade		@	$1,500	ea	=	$0	0.00
0	Street Lighting		@	cost est.	ea	=		0.00

Page 9 Sub-Total = 500.00

UNIT LIST PRICE FOR PERFORMANCE BONDS - T.O.W

QUANTITY			UP TO 1000 LIN.FT.				OVER 1000 LIN. FT.			COST
0	Guardrail		@	$39	lf =	$0	@	$12	lf =	$0	$0.00
0	GR-7 End Section		@	$2,500	ea =	$0					$0.00

3 **SANITARY SEWER AND WATER LINE CONSTRUCTION**

(Min. Sewer Class SDR 35 & Min. Water Line D. I. Class 52 & Plastic Line Class SDR 18)

		UP TO 10					OVER 10					COST
	Fire Hydrant Assembly		@	$5,000	ea =	$0		@	$1,800	ea =	$0	0.00
4	Sanitary Sewer Manhole	4	@	$8,000	ea =	$32,000		@	$1,840	ea =	$0	32,000.00
	5/8 x 3/4 Water Meter Setup		@	$1,200	ea =			@	$800	ea =	$0	0.00
	1" Water Meter Setup		@	$1,500	ea =	$0		@	$1,000	ea =	$0	0.00
	1 1/2"-2" Water Meter Setup		@	$2,000	ea =	$0		@	$1,750	ea =	$0	0.00
	Water Meter Setup, 2" Or Larger		@		ea =	$0		@		ea =	$0	0.00

WATER MAIN (Exclusive of Fire Hydrants)

		UP TO 1000 LIN. FT.					OVER 1000 LIN. FT.					
0	6"0		@	$50	lf =	$0		@	$50	lf =	$0	0.00
0	8"0		@	$60	lf =	$0		@	$60	lf =	$0	0.00
0	12"0		@	$96	lf =	$0		@	$90	lf =	$0	0.00
0	16"0		@	$120	lf =	$0		@	$115	lf =	$0	0.00

Page10 Sub-Total = 32,000.00

UNIT LIST PRICE FOR PERFORMANCE BONDS - T.O.W

TAP OF WATER MAINS

Qty	Size	Unit Price	Unit	COST
1	6"	@ $890	ea	$890.00
0	8"	@ $1,275	ea	$0.00
0	10"	@ $2,030	ea	$0.00
0	12" and Larger	@ $2,850	ea	$0.00

SEWER PIPE LINE (Exclusive of Manhole Structures)

Qty	Size	UP TO 1000 LIN. FT.					OVER 1000 LIN. FT.					COST
0	4"0		@	$40	lf =	$0		@	$35	lf =	$0	$0.00
0	6"0		@	$45	lf =	$0		@	$40	lf =	$0	$0.00
386	8"0	386	@	$65	lf =	$25,090		@	$55	lf =	$0	$25,090.00
0	10"0		@	$85	lf =	$0		@	$80	lf =	$0	$0.00
0	12"0		@	$115	lf =	$0		@	$100	lf =	$0	$0.00
0	15"0		@	$150	lf =	$0		@	$140	lf =	$0	$0.00

MISCELLANEOUS

Qty	Item	Unit Price	Unit	COST
1	Connection to Existing Sewer or Manhole	@ $750	ea	$750.00
1	Standard Drop Connection To Manhole	@ $390	ea	$390.00

Page 11 Sub-Total = 27,120.00

UNIT LIST PRICE FOR PERFORMANCE BONDS - T.O.W

4 **UNIT PRICE LIST OR SILTATION AND EROSION CONTROL - TOWN OF WARRENTON**

QUANTITY	ITEM		UNIT COST	COST
0	Diversion Dike	@	$3.00 lf	0.00
0	Silt Fence	@	$5.00 lf	0.00
0	Super Silt Fence	@	$12.00 lf	0.00
0	Sod	@	$6.00 sq.yd.	0.00
1167	Seeding Operation	@	$2.00 sq.yd.	2,334.00
0	Coarse Aggregates (31 or #57)	@	$75.00 Ton	0.00
0	Paved Flume	@	$60.00 sy	0.00
0	Inlet Protection	@	$60.00 ea	0.00
0	Temp. Const. Entrance	@	$1,400 ea	0.00
0	Temp. Const. Entrance	@	$2,000 ea	0.00
0	w/wash rack			
0	Temp. Sediment Trap	@	$27.00 LF	0.00
0	Temporary Sediment Basin	@	$500-$3000	
0	Drainage area 3-25 acres	@	$1,000-$5,000	
	26-50 acres	@	$5,000-$10,000	
	50+ acres by itemized cost			
	OTHER			
0	Check Dam	@	____ ea	0.00
0	Jute Mesh	@	____ sy	0.00
0		@		0.00
0		@		0.00
			E & S Sub-Total =	2,334.00

MINIMUM ACCEPTABLE AMOUNT FOR EROSION AND SEDIMENT CONTROL IS $1,000.

Page 12 Sub-Total = 2,334.00

UNIT LIST PRICE FOR PERFORMANCE BONDS - T.O.W

5 UNIT PRICE LIST FOR LANDSCAPING - TOWN OF WARRENTON

QUANTITY	ITEM	SIZE	UNIT COST		COST
0	Seeding		@ $2.00	sy	0.00
0	Sodding		@ $6.00	sy	0.00
0	Planting Shrubs	12"	@ $45	ea	0.00
0	Planting Shrubs	18"	@ $50	ea	0.00
0	Planting Shrubs	24"	@ $55	ea	0.00
0	Planting Shrubs	Larger	@ $60	ea	0
0	Trees	4'-6'	@ $150	ea	0.00
0	Trees	6'-8'	@ $165	ea	0.00
0	Trees	8'-10'	@ $250	ea	0.00
0	Trees	Larger	@ $450	ea	0
0	Tree Protection	4'-6'	@ $12	lf	0.00
0	Tree Wall, Stone (D= 10', H=3)	N/A'	@ $5,236	ea	0.00
0	Other				
0					
0					

Page 13 Sub-Total = 0.00

UNIT LIST PRICE FOR PERFORMANCE BONDS - T.O.W

6 **AS-BUILT DRAWING**

QUANTITY						COST
0	FT.	Storm Sewer Lines	@	$1.00	lf	0.00
2500	FT.	Sanitary Sewer Lines	@	$1.00	lf	2,500.00
0	FT.	Water Lines	@	$1.00	lf	0.00
0	FT.	Gas	@	$1.00	lf	0.00
0	FT.	Telephone Lines	@	$1.00	lf	0.00
0	FT.	Power Lines	@	$1.00	lf	0.00
0	FT.	Cable TV. Lines	@	$1.00	lf	0.00
0	FT.	Sidewalk C&G	@	$1.00	lf	0.00
0	FT.	Sidewalk Alignment (Private or Public)	@	$1.50	lf	0.00
0	FT.	Other Items	@		lf	0.00
0	FT.	Other Items	@		lf	0.00

MINIMUM ACCEPTABLE AMOUNT FOR PERFORMANCE BOND FOR AS-BUILT DRAWING IS $ 2,500.00

Page 14 Sub-Total = 2,500.00

TOTAL CONSTRUCTION COST = $66,942.50

UNIT LIST PRICE FOR PERFORMANCE BONDS - T.O.W

TOTAL CONSTRUCTION COST = (From Page 14)		**$66,942.50**

4 MISCELLANEOUS - COSTS

Administrative Cost - 15% of the Total Construction Cost (Contingencies)	=	$10,041.38
Inflation Cost - Compounded Annually at 3.5% Per Year of the Total Construction Cost	=	$2,342.99
TOTAL PERFORMANCE AMOUNT	=	**$79,326.86**

Notes:

1 **For items identified with ** the quantity for the embankment material is the net difference of total fill material needed and cut material available at the project site, if excavated or cut material is suitable for embankment.**

2 **For some of the items on page 6 of this form, the unit prices are not provided. Please refer to the appropriate section of this form to determine the applicable unit prices for those items, if necessary.**

3 **The Unit cost for each of the items in this Unit Price List is the Installation cost which includes factors such as excavation, bedding, backfilling, form work, etc.**

4 **Inflation has been calculated based on Northern Virginia Consumer Price Index of the Washington, D.C., as provided by the Bureau of Labor and Statistics.**

5 **Whomever Certifies the Site Development Plans must also certify this Total Performance Amount above and must bear the stamp and signature of the Professional Engineer, Land Surveyor and etc. on the Submit Performance Bond.**

SEAL