Department of Public Works Nassau County, N.Y. Bid Sheet for Contract: H66302W

Item No	Engineers Estimate	Item Description		
1S	10.00 EA	Job Information Sign	For:	
1X	2,000.00 SY	Clearing and Grubbing	For:	
2	200.00 CY	Unclassified Excavation	For:	
3	200.00 CY	Trench, Culvert and Bridge Excavation	For:	
4A	100.00 SY	Cement Concrete Breaking (Pavement)	For:	
4B	100.00 CY	Cement Concrete Breaking (Structures)	For:	
4PX	50.00 LF	Removal of Existing Pipe	For:	
5A	50.00 CY	Embankment in Place	For:	
5B	50.00 CY	Borrow Fill	For:	
5C	100.00 CY	Selected Fill	For:	
5D	50.00 CY	Selected Granular Fill	For:	
6	50.00 CYM	Trucking	For:	
7	1,000.00 SY	Preparing Fine Grade	For:	
8X	100.00 SY	Trimming Shoulders and Slopes	For:	
9	100.00 CY	Topsoil	For:	

Department of Public Works Nassau County, N.Y. Bid Sheet for Contract: H66302W

Item No	Engineers Estimate	Item Description		
9R	50.00 CY	Topsoil (Rehandled)	For:	
10A	100.00 SF	Temporary Sheeting and Bracing	For:	
10A-1	100.00 SF	Excavation Protection System	For:	
10B	100.00 SF	Temporary Sheeting and Bracing Ordered Left In Place	For:	
10C-1	100.00 SF	Permanent Corrugated Metal Sheeting & Bracing	For:	
10C-2	100.00 SF	Permanent Steel Sheet Piling and Bracing	For:	
10C-2X	100.00 SF	Steel Sheet Piling and Bracing	For:	
10C-3	100.00 SF	Permanent Timber Sheet Piling & Bracing	For:	
12A-4-12	100.00 LF	Reinforced Concrete Pipe Class IV, 12 Inch Diameter	For:	
12A-4-15	100.00 LF	Reinforced Concrete Pipe Class IV, 15 Inch Diameter	For:	
12A-4-18	100.00 LF	Reinforced Concrete Pipe Class IV, 18 Inch Diameter	For:	
12A-4-24	100.00 LF	Reinforced Concrete Pipe Class IV, 24 Inch Diameter	For:	
12A-4-30	100.00 LF	Reinforced Concrete Pipe Class IV, 30 Inch Diameter	For:	
12A-4-36	100.00 LF	Reinforced Concrete Pipe Class IV, 36 Inch Diameter	For:	
12A-4-42	50.00 LF	Reinforced Concrete Pipe Class IV, 42 Inch Diameter	For:	

Item No	Engineers Estimate	Item Description		
12A-4-48	50.00 LF	Reinforced Concrete Pipe Class IV, 48 Inch Diameter	For:	
12B-12	5.00 EA	Reinforced Concrete Pipe End Sections- 12" Diameter	For:	
12B-15	5.00 EA	Reinforced Concrete Pipe End Sections- 15" Diameter	For:	
12B-18	5.00 EA	Reinforced Concrete Pipe End Sections- 18" Diameter	For:	
12B-24	5.00 EA	Reinforced Concrete Pipe End Sections- 24" Diameter	For:	
12B-30	5.00 EA	Reinforced Concrete Pipe End Sections- 30" Diameter	For:	
12B-36	5.00 EA	Reinforced Concrete Pipe End Sections- 36" Diameter	For:	
12B-42	5.00 EA	Reinforced Concrete Pipe End Sections- 42" Diameter	For:	
12B-48	5.00 EA	Reinforced Concrete Pipe End Sections- 48" Diameter	For:	
12C- 14X23	50.00 LF	14" X 23" Reinforced Elliptical Concrete Pipe	For:	
12C- 19X30	50.00 LF	19" X 30" Reinforced Elliptical Concrete Pipe	For:	
12C- 22X34	40.00 LF	22" X 34" Reinforced Elliptical Concrete Pipe	For:	
12C- 24X38	30.00 LF	24" X 38" Reinforced Elliptical Concrete Pipe	For:	
12C- 29X45	20.00 LF	29" X 45" Reinforced Elliptical Concrete Pipe	For:	

Item No	Engineers Estimate	Item Description		
12D-12	50.00 LF	Perforated Reinforced Concrete Pipe - 12" Diameter	For:	
12D-15	50.00 LF	Perforated Reinforced Concrete Pipe - 15" Diameter	For:	
12D-18	50.00 LF	Perforated Reinforced Concrete Pipe - 18" Diameter	For:	
12D-24	50.00 LF	Perforated Reinforced Concrete Pipe - 24" Diameter	For:	
12D-30	50.00 LF	Perforated Reinforced Concrete Pipe - 30" Diameter	For:	
12DIP-12	50.00 LF	Ductile Iron Culvert Pipe-12 Inch Diameter	For:	
12DIP-14	50.00 LF	Ductile Iron Culvert Pipe- 14 Inch Diameter	For:	
12DIP-16	50.00 LF	Ductile Iron Culvert Pipe-16 Inch Diameter	For:	
12DIP-18	50.00 LF	Ductile Iron Culvert Pipe 18 Inch Diameter	For:	
12DIP-24	50.00 LF	Ductile Iron Culvert Pipe 24 Inch Diameter	For:	
12DIP-30	50.00 LF	Ductile Iron Culvert Pipe 30 Inch Diameter	For:	
12F-12	50.00 LF	12" Round Corrugated Metal Pipe (Smooth Flow)	For:	
12F-15	50.00 LF	15" Round Corrugated Metal Pipe (Smooth Flow)	For:	
12F-18	50.00 LF	18" Round Corrugated Metal Pipe (Smooth Flow)	For:	
12F-24	50.00 LF	24" Round Corrugated Metal Pipe (Smooth Flow)	For:	

Item No	Engineers Estimate	Item Description		
12F-30	50.00 LF	30" Round Corrugated Metal Pipe (Smooth Flow)	For:	
12G	50.00 LF	Relaying Pipe	For:	
12H	500.00 LF	Cleaning Existing Drainage System	For:	
12HP	500.00 LF	Cleaning Existing Culverts and Associated Storm Drainage Pipe	For:	
12P-12	50.00 LF	12" Smooth Interior Corrugated Polyethylene Drainage Pipe	For:	
12P-15	50.00 LF	15" Smooth Interior Corrugated Polyethylene Drainage Pipe	For:	
12P-18	50.00 LF	Smooth Interior Corrugated Polyethylene Drainage Pipe 18"	For:	
12P-24	50.00 LF	24" Smooth Interior Corrugated Polyethylene Drainage Pipe	For:	
12P-36	50.00 LF	36" Smooth Interior Corrugated Polyethylene Drainage	For:	
12S40-6	50.00 LF	Schedule 40 PVC Drain Pipe - 6" Diameter	For:	
12S40-8	50.00 LF	Schedule 40 PVC Sanitary Sewer Pipe - 8" Diameter	For:	
13A	30.00 CY	Catch Basins	For:	
13B	30.00 CY	Manholes	For:	

Item No	Engineers Estimate	Item Description		
13BP-4	50.00 LF	Precast Manholes 4'-0 Diameter	For:	
13BP-5	50.00 LF	Precast Manholes 5'-0 Diameter	For:	
13BP-6	50.00 LF	Precast Manholes 6'-0 Diameter	For:	
13BX-4	2.00 EA	Treatment Structure, 4' Diameter	For:	
13BX-6	2.00 EA	Treatment Structure, 6' Diameter	For:	
13BX-8	2.00 EA	Treatment Structure, 8' Diameter	For:	
13BX-10	2.00 EA	Treatment Structure, 10' Diameter	For:	
13BX-12	2.00 EA	Treatment Structure 12' Diameter	For:	
13C	5.00 EA	Area Drain	For:	
14	15.00 EA	Connections to Existing Drainage Facilities	For:	
15	20.00 EA	Altering Catch Basins	For:	
15X	20.00 EA	Rehabilitation of Catch Basins	For:	
16A	30.00 EA	Altering Brick Manholes (Corbel Top with Frame Head)	For:	
16B	20.00 EA	Altering Brick Manholes (Slab Top with Frame Head)	For:	
16C	20.00 EA	Altering Brick Manholes (Slab Top with Ring Head	For:	
16SS-1	20.00 EA	Change Elevation of Sanitary Sewer Manholes (Minor Adjustment)	For:	

Item No	Engineers Estimate	Item Description		
16SS-2	20.00 EA	Change Elevation of Sanitary Sewer Manholes (Major Adjustment)	For:	
16SS-3	20.00 EA	Change Elevation of Drainage Manholes & Drop Inlets (Minor Adjustment)	For:	
16SS-4	20.00 LS	Change Elevation of Drainage Manholes & Drop Inlets (Major Adjustment)	For:	
16XMH	10.00 EA	Adjusting Manholes (Extensions)	For:	
17A-A	25.00 CY	Class A Concrete For Structures (0 to 25 CY)	For:	
17A-B	50.00 CY	Class A Concrete For Structures (26 to 50 CY)	For:	
17A-C	50.00 CY	Class A Concrete For Structures (51 to 100 CY)	For:	
17A-D	50.00 CY	Class A Concrete For Structures (101 CY and Over)	For:	
17D	20.00 CY	Class D Concrete for Structures	For:	
17DP	10.00 CY	Class DP Concrete For Structures	For:	
17E	10.00 CY	Class E Concrete For Structures	For:	
17F-A	25.00 CY	Class F/High Early Strength Concrete (0 to 25 CY)	For:	
17F-B	50.00 CY	Class F/High Early Strength Concrete (26 to 50 CY)	For:	

Department of Public Works Nassau County, N.Y. Bid Sheet for Contract: H66302W

Item No	Engineers Estimate	Item Description		
17F-C	50.00 CY	Class F/High Early Strength Concrete (51 to 100 CY)	For:	
17F-D	50.00 CY	Class F/High Early Strength Concrete (101 CY and over)	For:	
17H	10.00 CY	Class H Concrete For Structures (Pumped)	For:	
17HP	10.00 CY	Class HP Concrete for Structures (Pumped)	For:	
17M	10.00 CY	Class A Concrete for Structures (Monolithic Bridge Slabs with Integral Wearing Surfaces)	For:	
17PPCC	10.00 CY	PERVIOUS PORTLAND CEMENT CONCRETE	For:	
19	50.00 CY	Screened Gravel, Loose Measure	For:	
20	50.00 CY	Broken Stone, Loose Measure	For:	
21	50.00 CY	Limestone Screening	For:	
22C-2	500.00 TON	Base Course Asphalt Concrete, Type Dense Base	For:	
23	50.00 CY	Concrete Foundation For Pavement	For:	
24	50.00 CY	Cement Concrete Pavement	For:	
24V	50.00 CY	Concrete Valley Gutter	For:	
25	10.00 CY	Cement Concrete Pavement (Bridge Slab Wearing Course)	For:	
26	100.00 LF	Concrete Curb	For:	

Item No	Engineers Estimate	Item Description		
26CG	100.00 LF	Monolithic Concrete Curb and Gutter	For:	
26CW	50.00 LF	Concrete Curb Wall	For:	
26F	50.00 LF	Concrete Curb - Type Flush	For:	
26PL	50.00 LF	Curb For Parking Lot	For:	
26S	50.00 LF	Concrete Curb (Special)	For:	
26SP-C	50.00 LF	Concrete Curb - Type C	For:	
27	1,000.00 SF	Cement Concrete Sidewalk	For:	
27DW	100.00 SF	Detectable Warning Surface	For:	
27M	100.00 LF	Concrete mowing Strip 16" Wide	For:	
27MS	100.00 LF	Concrete Mowing Strip- 16"-36" Wide	For:	
27SP	50.00 SF	Cement Concrete Pavement (Structures Parks)	For:	
28	100.00 SF	Cement Concrete Driveways and Driveway Aprons	For:	
29	100.00 SF	Driveway Restoration	For:	
30	100.00 SY	Metal Reinforcement for Concrete Pavement	For:	
31	100.00 LF	Transverse Joint Supports	For:	
32A	50.00 EA	Longitudinal Joint Ties (Pavement)	For:	

Item No	Engineers Estimate	Item Description		
32B	50.00 EA	Longitudinal Joint Ties (Curb)	For:	
32X	100.00 EA	Joint Ties (Grout Type)	For:	
32X-1	100.00 EA	Load Transfer Device for Cement Concrete Pavement Repairs	For:	
33	500.00 LB	Bar Reinforcement for Structures	For:	
33X	200.00 LB	Epoxy Coated Bar Reinforcement for Structures	For:	
34	1,000.00 LB	Miscellaneous Metals	For:	
35	50.00 LF	Resetting Guide Railing	For:	
35T	50.00 LF	Timber Guide Rail	For:	
36C	500.00 TON	Aspahlt Concrete Truing and Leveling Course-Type 1A	For:	
36CX	500.00 TON	Asphalt Concrete Truing and Leveling Course TYPE 1A (For Cracks in Asphalt Pavement)	For:	
36D-A	500.00 TON	Asphalt Concrete, Type 1A (Top &Binder) (0 to 25 TON)	For:	
36D-B	500.00 TON	Asphalt Concrete, Type 1A (Top &Binder) (25 to 50 TON)	For:	
36D-C	500.00 TON	Asphalt Concrete, Type 1A (Top &Binder) (51 to 100 TON)	For:	
36D-D	500.00 TON	Asphalt Concrete, Type 1A (Top &Binder) (101 to Over TON)	For:	

Item No	Engineers Estimate	Item Description		
36PAP	50.00 SY	Pervious Asphalt Pavement	For:	
36T	20.00 TON	Temporary Pavement	For:	
37	100.00 SF	Brick Pavers on Bituminous Setting Bed	For:	
37C	100.00 SF	Brick Pavers on Cement Concrete Setting Bed	For:	
39-4	100.00 SF	Paving Stones On Aggregate Base - 4" Thick	For:	
39-8	50.00 SF	Paving Stones On Aggregate Base - 8" Thick	For:	
40-4	50.00 SF	New Stone Block Pavement on Aggregate Base - 4" Thick	For:	
40-8	50.00 SF	New Stone Block Pavement on Aggregate Base - 8" Thick	For:	
40R	100.00 SF	Reset Existing Stone Block Pavement	For:	
40RP	40.00 EA	Relocating Traffic Signs	For:	
42-1	50.00 LF	Concrete Median Barrier	For:	
42-2	5.00 EA	Concrete Median Barrier End Section	For:	
42-3	50.00 LF	Half Section Concrete Barrier	For:	
42-4	5.00 EA	Half Section Concrete Barrier End Section	For:	
57	100.00 LF	Modify Existing Roof Drains	For:	
58A	100.00 LF	Saw Cutting Existing Non-Roadway Asphalt	For:	

Item No	Engineers Estimate	Item Description		
58RPC	100.00 LF	Saw Cutting Existing Roadway Pavement and Concrete	For:	
59	10.00 EA	Relocate Water Boxes Complete	For:	
60	10.00 EA	Alter Water Service Connections	For:	
60A	10.00 EA	Adjust Water Service Box Elevations	For:	
60B	10.00 EA	Relocate Curb Cock and Water Service Boxes	For:	
61	10.00 EA	Relocate Water Meter Pit, Complete	For:	
61S	5.00 LF	Relocate Water Mains, Complete	For:	
62	5.00 EA	Relocate Buried Electric Service Connection	For:	
63	50.00 LF	Alter Sanitary Sewer House Service Connections	For:	
63A	5.00 EA	Adjust Sanitary Sewer Cleanouts	For:	
63SS	20.00 LF	Extension of Sanitary Sewer House Connections	For:	
63SS-3	20.00 LF	Alter Existing Sanitary Sewer Service Connections Under Widened Road Areas	For:	
64	100.00 LF	Reset Existing Fence	For:	
65A	50.00 LF	Transplanting Existing Hedge	For:	
65B	10.00 EA	Transplanting Existing Trees and Shrubs	For:	

Item No	Engineers Estimate	Item Description		
66A	5.00 CY	Reconstruct Existing Masonry Steps	For:	
66B	40.00 BF	Reconstruct Existing Timber Steps	For:	
68	100.00 LF	Untreated Timber Test Piles	For:	
69	100.00 LF	Treated Timber Test Piles	For:	
70	100.00 LF	Precast Concrete Test Piles	For:	
71	100.00 LF	Steel Bearingtest Piles	For:	
72	100.00 LF	Untreated Timber Piles	For:	
73	100.00 LF	Treated Timber Piles	For:	
74	100.00 LF	Precast Concrete Piles	For:	
75	100.00 LF	Steel Bearing Piles	For:	
76	100.00 LF	Cast-In-Place Concrete Piles	For:	
77	100.00 LF	Tubular Cast-In-Place Concrete Piles	For:	
79UP	200.00 SF	Unit Pavers	For:	
81	500.00 LB	Structural Steel	For:	
82	100.00 FT	Shear Connection	For:	
83	500.00 LB	Spiral Bar Shear Connectors	For:	
84	100.00 EA	Stud Shear Connectors	For:	

Item No	Engineers Estimate	Item Description		
95	100.00 LF	Metal Protection Plate for Curbs	For:	
96	100.00 CY	Dry Rip-Rap	For:	
97	100.00 CY	Grouted Rip-Rap	For:	
99-8	150.00 LF	Precast Concrete Leaching Basin 8' Diameter	For:	
99-10	150.00 LF	Precast Concrete Leaching Basin 10' Diameter	For:	
100	150.00 LF	Precast Concrete Diffusion Well 10' Diameter	For:	
102D	50.00 DAY	Flashing Arrow Board	For:	
102PVMS	50.00 DAY	Portable Variable Message Sign	For:	
*102X	100.00 DAY	Work Zone Traffic Control (DAY)	For:	
*102Y	50.00 NGHT	Work Zone Traffic Control (NIGHT)	For:	
104PA- 4X	200.00 LF	Polyolefin Coated Chain Link Fencing 4' High (TOP AND BOTTOM TENSION WIRE)	For:	
104PA- 6X	200.00 LF	Polyolefin Coated Chain Link Fencing 6' High (TOP AND BOTTOM TENSION WIRE)	For:	
104PA- 8X	200.00 LF	Polyolefin Coated Chain Link Fencing 8' High (TOP AND BOTTOM TENSION WIRE)	For:	
104PA- 10X	200.00 LF	Polyolefin Coated Chain Link Fencing 10' High (TOP AND BOTTOM TENSION WIRE)	For:	

^{*}Force Bid Items

Item No	Engineers Estimate	Item Description		
104PA- 12X	200.00 LF	Polyolefin Coated Chain Link Fencing 12' High (TOP AND BOTTOM TENSION WIRE)	For:	
104PB- 4X	200.00 LF	Polyolefin Coated Chain Link Fencing 4' High (TOP RAIL AND BOTTOM TENSION WIRE)	For:	
104PB- 6X	500.00 LF	Polyolefin Coated Chain Link Fencing 6' High (TOP RAIL AND BOTTOM TENSION WIRE)	For:	
104PB- 8X	200.00 LF	Polyolefin Coated Chain Link Fencing 8' High (TOP RAIL AND BOTTOM TENSION WIRE)	For:	
104PB- 10X	200.00 LF	Polyolefin Coated Chain Link Fencing 10' High (TOP RAIL AND BOTTOM TENSION WIRE)	For:	
104PB- 12X	200.00 LF	Polyolefin Coated Chain Link Fencing 12' High (TOP RAIL AND BOTTOM TENSION WIRE)	For:	
104PC- 4-1X	200.00 LF	Polyolefin Coated Chain Link Fencing 4' High 1" Mesh (TOP AND BOTTOM RAILS)	For:	
104PC- 4X	200.00 LF	Polyolefin Coated Chain Link Fencing 4' High (TOP AND BOTTOM RAILS)	For:	
104PC- 6X	500.00 LF	Polyolefin Coated Chain Link Fencing 6' High (TOP AND BOTTOM RAILS)	For:	
104PC- 8X	200.00 LF	Polyolefin Coated Chain Link Fencing 8' High (TOP AND BOTTOM RAILS)	For:	
104PC- 10X	200.00 LF	Polyolefin Coated Chain Link Fencing 10' High (TOP AND BOTTOM RAILS)	For:	

Item No	Engineers Estimate	Item Description		
104PC- 12X	200.00 LF	Polyolefin Coated Chain Link Fencing 12' High (TOP AND BOTTOM RAILS)	For:	
104PD- 6X	200.00 LF	Polyolefin Coated Chain Link Fencing 6' High With Concrete Curb	For:	
104R-4	100.00 LF	Renovate 4' Chain Link Fence	For:	
104R-4- 1	100.00 LF	Renovate 4' Chain Link Fence - 1" Mesh	For:	
104R-6	100.00 LF	Renovate 6' Chain Link Fence	For:	
104R-8	100.00 LF	Renovate 8' Chain Link Fence	For:	
104R-10	100.00 LF	Renovate 10' Chain Link Fence	For:	
104R-12	100.00 LF	Renovate 12' Chain Link Fence	For:	
104RR-4	100.00 EA	Remove and Replace 4' High Chain Link Fence Posts	For:	
104RR-6	100.00 EA	Remove and Replace 6' High Chain Link Fence Posts	For:	
104RR-8	100.00 EA	Remove and Replace 8' High Chain Link Fence Posts	For:	
104RR-10	100.00 EA	Remove and Replace 10' High Chain Link Fence Posts	For:	
104RR-12	100.00 EA	Remove and Replace 12' High Chain Link Fence Posts	For:	
104RR-R	100.00 LF	Remove and Replace Chain Link Fence Rails	For:	

Item No	Engineers Estimate	Item Description		
104VCA-4	200.00 LF	Vinyl-Clad Chain Link Fencing - 4' High (TOP AND BOTTOM TENSION WIRE)	For:	
104VCA-6	200.00 LF	Vinyl-Clad Chain Link Fencing - 6' High (TOP AND BOTTOM TENSION WIRE)	For:	
104VCA-8	200.00 LF	Vinyl-Clad Chain Link Fencing - 8' High (TOP AND BOTTOM TENSION WIRE)	For:	
104VCA- 10	200.00 LF	Vinyl-Clad Chain Link Fencing - 10' High (TOP AND BOTTOM TENSION WIRE)	For:	
104VCA- 12	200.00 LF	Vinyl-Clad Chain Link Fencing - 12' High (TOP AND BOTTOM TENSION WIRE)	For:	
104VCB-4	200.00 LF	Vinyl-Clad Chain Link Fencing - 4' High (TOP RAIL AND BOTTOM TENSION WIRE)	For:	
104VCB-6	200.00 LF	Vinyl-Clad Chain Link Fencing - 6' High (TOP RAIL AND BOTTOM TENSION WIRE)	For:	
104VCB-8	200.00 LF	Vinyl-Clad Chain Link Fencing - 8' High (TOP RAIL AND BOTTOM TENSION WIRE)	For:	
104VCB- 10	200.00 LF	Vinyl-Clad Chain Link Fencing - 10' High (TOP RAIL AND BOTTOM TENSION WIRE)	For:	
104VCB- 12	200.00 LF	Vinyl-Clad Chain Link Fencing - 12' High (TOP RAIL AND BOTTOM TENSION WIRE)	For:	
104VCC-4	200.00 LF	Vinyl-Clad Chain Link Fencing - 4' High (TOP AND BOTTOM RAILS)	For:	

Item No	Engineers Estimate	Item Description			
104VCC-4-		Vinyl-Clad Chain Link	For:		
1	500.00 LF	Fencing - 4' High 1.0"			
		Mesh (TOP AND BOTTOM			
		RAILS)			
1047700	500 00 TF	Vinyl-Clad Chain Link	For:		
104VCC-6	500.00 LF	Fencing - 6' High (TOP			
		AND BOTTOM RAILS) Vinyl-Clad Chain Link	For:		
104VCC-8	200.00 LF	Fencing - 8' High (TOP	FOI:		
	200.00 11	AND BOTTOM RAILS)			
		Vinyl-Clad Chain Link	For:		
104VCC-	200.00 LF	Fencing - 10' High			
10		(TOP AND BOTTOM RAILS)			
104VCC-		Vinyl-Clad Chain Link	For:		
12	200.00 LF	Fencing - 12' High			
1.0.41700		(TOP AND BOTTOM RAILS)	_		
104VCD- 6	200.00 LF	Vinyl-Clad Chain Link	For:		
6	200.00 LF	Fencing With Concrete Curb - 6' High			
104XR		Middle Rail, Brace	For:		
104210	200.00 LF	Rail and Bottom Rail	101.		
104XSF	000 00 00	Remove Existing Fence	For:		
	200.00 SF				
105-2		Two (2) Rail, Split	For:		
	100.00 LF	Rail Fence			
105-3		Three (3) Rail, Split	For:		
103-3	100.00 LF	Rail Fence	FOI:		
	100.00 11				
105SFS-6		6' Stockade Fence	For:		
	100.00 LF				
105SFS-8		8' Stockade Fence	For:		
103515 0	100.00 LF	o beochade renee			
106P		Post Painting	For:		
	500.00 LF				
106P-DG		Polyolefin Coated	For:		
	200.00 SF	Chain Link Double Gate			
1065 66					
106P-SG	200 00 00	Polyolefin Coated	For:		
	200.00 SF	Chain Link Single Gate			
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Item No	Engineers Estimate	Item Description		
106SVBG	100.00 LF	Self-Swing Vehicle Barrier Gates	For:	
106VC-CG	200.00 SF	16' - 22' Wide Vinyl Clad Chain Link Cantilever Slide Gates (6' to 8' High)	For:	
106VC-DG	200.00 SF	Vinyl-Clad Chain Link Double Gate	For:	
106VC-SG	200.00 SF	Vinyl-Clad Chain Link Single Gate	For:	
107	1,000.00 LF	Cleaning, Filling and Sealing Existing Joints and Cracks in Asphalt Pavement	For:	
110	50.00 CF	Masonry Pipe Plugs	For:	
111	500.00 SY	Removal and Replacement of Pavements	For:	
111M	100.00 SY	Cold Planing and Removal and Replacement of Pavements	For:	
111P	100.00 SY	Removal and Replacements of Existing Pathways	For:	
112	100.00 EA	Adjusting Manholes	For:	
113	50.00 EA	Adjustment Of Surface Inlets	For:	
114	50.00 EA	Adjustment of Water Valve Box Elevation	For:	
115	500.00 LF	Butt Joints	For:	
116A	1,000.00 SY	Profiling and Removal of Asphalt Pavement (Paving by Contractor will follow under respective items)	For:	
116AM	1,000.00 SY	Profiling and Removal of Asphalt Pavement (Paving by Others will follow)	For:	

Item No	Engineers Estimate	Item Description		
116C	100.00 SY	Profiling and Removal of Concrete Pavement	For:	
117	100.00 LF	Temporary Fence 4 ft. High	For:	
117T-6	500.00 LF	Temporary Fence 6 ft. High	For:	
117T-8	100.00 LF	Temporary Fence 8 ft. High	For:	
117TP-6	100.00 LF	Temporary Fence With Privacy Screening - 6 ft. High	For:	
117TP-8	100.00 LF	Temporary Fence With Privacy Screening - 8 ft. High	For:	
118	50.00 CY	Gabion and Revet Mattresses	For:	
119	10.00 CY	Rock Excavation	For:	
120	10.00 EA	Relocation and Reattachment of Existing Lighting Units	For:	
121	100.00 CY	Drybound Base Course	For:	
122	20.00 EA	Test Holes	For:	
125	10.00 OZ	Chemical Admixture For Concrete	For:	
126A	100.00 LF	New Stone Block Curb	For:	
126B	100.00 LF	Reset Existing Stone Block Curb	For:	

Item No	Engineers Estimate	Item Description		
127	5.00 EA	Relocating Existing Hydrant	For:	
128	100.00 SY	Furnishing and Applying Soil Sterilant	For:	
129	100.00 CY	Cement Concrete For Pavement Repairs	For:	
132	50.00 EA	Plowable Raised Reflectorized Pavement Markers	For:	
133	100.00 LF	Clean and Fill Joints and Cracks	For:	
133A	100.00 LF	Cleaning and Resealing of Longitudinal Joints in Portland Cement Concrete Pavement	For:	
133B	100.00 LF	Sealing of Transverse Joints in Cement Concrete Pavement	For:	
134	100.00 LF	Sawing and Sealing Bituminous Concrete Overlays	For:	
136S	10.00 DAY	Survey Stakeout (Per Day)	For:	
137	500.00 LF	Remove Existing Traffic Markings	For:	
138	100.00 SY	Asphalt Joint Repair	For:	
139	100.00 SY	Sawcutting Longitudinal or Transverse Grooves in Existing Roadway Pavement	For:	
140	100.00 LF	Temporary Pavement Delineation	For:	
141	100.00 LF	Silt Fence	For:	

Item No	Engineers Estimate	Item Description		
141A	100.00 LF	Hay Bales/Straw Bales	For:	
141B	50.00 EA	Silt Protection For Surface Inlet Drainage Structures	For:	
141C	50.00 EA	Silt Protection For Curb Inlet Drainage Structures	For:	
142CLK	100.00 LF	Caulking For Structural Steel Painting	For:	
143	100.00 LF	Epoxy Injection of Structures	For:	
144	100.00 SY	Bridge Deck Waterproffing Membrane	For:	
150	100.00 LF	Box Beam Guide Railing	For:	
151	100.00 LF	Box Beam Median Barrier	For:	
152	5.00 EA	Box Beam Guide Rail End Assembly	For:	
153A	2.00 EA	Box Beam Median Barrier End Assembly - TYPE A	For:	
153B	2.00 EA	Box Beam Median Barrier End Assembly - TYPE B	For:	
158A	500.00 SF	Geotextile Cloth	For:	
158B	500.00 SY	Soil Stabilization Fabric	For:	
175	500.00 SY	Stabilized Mixed-In- Place Recycled Base Course	For:	
175AE	2,000.00 GL	Asphalt Emulsion	For:	

Item No	Engineers Estimate	Item Description		
176	500.00 SY	Milled In-Place Recycled Base Course	For:	
178W	1,000.00 LF	Pavement Markings, Painting & Striping (White)	For:	
178Y	1,000.00 LF	Pavement Markings, Painting & Striping (Yellow)	For:	
179A	200.00 LF	Steel Edging	For:	
179B	200.00 LF	Reset Existing Steel Edging	For:	
180	25.00 LF	Trench Drain	For:	
185A	50.00 LF	Relocate Residential Sprinkler System	For:	
185N	50.00 LF	New Sprinkler System	For:	
200	50.00 LF	Heavy Post, Plastic and Synthetic Blocked Out Galvinized Corrugated Steel Beam Guide Railing	For:	
201	10.00 LF	Heavy Post, Plastic and Synthetic Blocked Out Galvinized Corrugated Steel Beam Median Barrier	For:	
202	5.00 EA	Anchorage Units for Heavy Post Blocked Corrugated Beam Guide Railing for Driveways	For:	
202.19	10.00 CY	REMOVAL OF SUBSTRUCTURES	For:	
203	5.00 EA	Anchorage Units for Heavy Post Blocked Corrugated Beam Guide Railing for Highways	For:	

Item No	Engineers Estimate	Item Description		
204	1.00 EA	Anchorage Units for Heavy Post Blocked Out Corrugated Beam Median Barrier	For:	
204.01	100.00 CY	Flowable Fill- Controlled Low Strength Material (CLSM)	For:	
205	1.00 EA	Heavy Post Blocked-Out Corrugated Beam Guide Railing Connection to Two Rail Steel Bridge Railing	For:	
206	10.00 EA	Heavy Post Blocked Out Corrugated Beam Guide Railing Connection to Three Rail Tubular Steel Bridge Railing	For:	
207	2.00 EA	Heavy Post Blocked-Out Corrugated Beam Guide Railing Connections to Walls (Trailing Ends)	For:	
208	50.00 LF	Reconstruction of Heavy Post Blocked-Out Corrugated Beam Guide Railing	For:	
209	50.00 LF	Reconstruction of Median Barrier	For:	
210E	10.00 EA	ET-2000 Energy Absorbing Safety End Treatment	For:	
210.3411	50.00 LF	Removal and Disposal of Caulking ACM (BV14)	For:	
216	200.00 LF	Removal of Existing Guide Rail	For:	
220	100.00 LF	Corrugated Beam Guide Railing	For:	

Item No	Engineers Estimate	Item Description		
221	5.00 EA	Anchorage Units for Corrugated Beam Guide Railing	For:	
222	5.00 EA	Anchorage Units for Corrugated Beam Guide Railing (Driveway)	For:	
360	10.00 EA	Pruning Existing Deciduous Trees	For:	
361A	10.00 EA	Planting Trees and Shrubs - Deciduous Major	For:	
361B	10.00 EA	Planting Trees and Shrubs - Deciduous Minor	For:	
361C	10.00 EA	Planting Trees and Shrubs - Deciduous Shrubs	For:	
361D	10.00 EA	Planting Trees and Shrubs - Evergreen Trees	For:	
361E	10.00 EA	Planting Trees and Shrubs - Evergreen Shrubs Upright	For:	
361F	10.00 EA	Planting Trees and Shrubs - Evergreen Shrubs Spreading	For:	
362	10.00 CY	Triple Shredded Mulch	For:	
363	100.00 SY	Grass Seeding	For:	
364-A	10.00 EA	Tree Pruning -A- (<6" Caliper)	For:	
364-B	10.00 EA	Tree Pruning -B- (6" - <12" Caliper)	For:	
364-C	10.00 EA	Tree Pruning -C- (12" - <24" Caliper)	For:	
364-D	10.00 EA	Tree Pruning -D- (24" - <36" Caliper)	For:	

Item No	Engineers Estimate	Item Description		
364-E	10.00 EA	Tree Pruning -E- (36" - <48" Caliper)	For:	
365	100.00 SF	Sodding	For:	
367	100.00 ACRE	Hydro-Seeding	For:	
368	250.00 SY	Topsoil and Grass Seed	For:	
371	10.00 BALE	Peat Moss	For:	
372A	20.00 EA	Tree Removal - A - (<6" Caliper)	For:	
372B	20.00 EA	Tree Removal - B - (6" - <12" Caliper)	For:	
372C	20.00 EA	Tree Removal - C - (12" - <24" Caliper)	For:	
372D	20.00 EA	Tree Removal - D - (24" - <36" Caliper)	For:	
372E	20.00 EA	Tree Removal - E - (36" - <48" Caliper)	For:	
373A	20.00 EA	Stump Removal - A - (4" - <6" Diameter)	For:	
373B	20.00 EA	Stump Removal - B - (6" - <12" Diameter)	For:	
373C	20.00 EA	Stump Removal - C - (12" - <24" Diameter)	For:	
373D	20.00 EA	Stump Removal - D - (24" - <36" Diameter)	For:	
373E	20.00 EA	Stump Removal - E - (36" - <48" Diamter)	For:	
374A	20.00 EA	Stump Grinding -A- (4" - <6" Diameter)	For:	

Item No	Engineers Estimate	Item Description	
374B	20.00 EA	Stump Grinding -B- (6" - <12" Diameter)	For:
374C	20.00 EA	Stump Grinding -C- (12" - <24" Diameter)	For:
374D	20.00 EA	Stump Grinding -D- (24" - <36" Diameter)	For:
374E	20.00 EA	Stump Grinding -E- (36" - <48" Diameter)	For:
378	10.00 LF	Mechanical Barrier Root Control System - 24" Deep	For:
411-A1	5.00 EA	Furnish and Install Concrete Foundation, Type A1	For:
412G	10.00 EA	Furnish and Install A Pushbutton Post Assembly	For:
412P-8	5.00 EA	Furnish and Install 8 Foot Aluminum Signal Post	For:
412P-10	5.00 EA	Furnish and Install 10 Foot Aluminum Signal Post	For:
412P-12	2.00 EA	Furnish and Install 12 Foot Aluminum Signal Post	For:
415-2	300.00 LF	Furnish and Install 2 - Conductor #14 Cable on Span Wire, in Conduit or Raceway	For:
415-3	300.00 LF	Furnish and Install 3 - Conductor #14 Cable on Span Wire, in Conduit or Raceway	For:
415-5	200.00 LF	Furnish and Install 5- Conductor #14 Cable on Span Wire, in Conduit or Raceway	For:
415-7	100.00 LF	Furnish and Install 7- Conductor #14 Cable on Span Wire, in Conduit or Raceway	101.

Item No	Engineers Estimate	Item Description		
419S-075	50.00 LF	Furnish and Install 3/4 Inch Diameter Steel Conduit	For:	
419S-1	200.00 LF	Furnish and Install 1 1/4 Inch Diameter Steel Conduit	For:	
419S-2	100.00 LF	Furnish and Install 2 Inch Diameter Steel Conduit	For:	
419S-3	50.00 LF	Furnish and Install 3 Inch Diameter Steel Conduit	For:	
420-1	5.00 EA	Furnish and Install a Standard Pullbox	For:	
420-3	2.00 EA	Furnish and Install Split Pullbox	For:	
420R	5.00 EA	Regrade a Pullbox Frame and Cover	For:	
422L	1,000.00 LF	Furnish and Install Loop Wire	For:	
422LS	500.00 LF	Furnish and Install Loop Saw Cut	For:	
424-4	5.00 EA	Remove Any Post	For:	
424-8	5.00 EA	Remove Pedestrian Station (Post, Foundation and Pushbutton)	For:	
424-11A	5.00 EA	Remove Signal Face (Vehicle)	For:	
424-11B	5.00 EA	Remove Signal Face (Pedestrian)	For:	
424-14	500.00 LF	Remove Cable	For:	

Item No	Engineers Estimate	Item Description		
424-21	5.00 EA	Remove Single Lane Magnetic Detector	For:	
424-22	5.00 EA	Remove Single Lane Magnetic Housing	For:	
424-23	5.00 EA	Abandon Foundation	For:	
424-24	5.00 EA	RemovE Auxiliary Pole	For:	
424-25	10.00 EA	Remove Pullbox	For:	
424-26	5.00 EA	Remove Multi-Lane Magnetic Vehicle Detector	For:	
424-27	5.00 EA	Remove Pushbutton and Sign Assembly	For:	
426L	5.00 EA	Furnish and Install L.E.D. Countdown Pedestrian Signal	For:	
427-2	5.00 EA	Furnish and Install a Pushbutton and Sign Assembly	For:	
450	50.00 EA	Furnish and Install Post Mounted Sign	For:	
451	30.00 EA	Furnish and Install Post Mounted Handicap Parking Sign	For:	
502	10.00 SF	Highway Sealing and Surface Coating (Latex)	For:	
502A	200.00 LF	2" I.D. PVC Electrical Conduit	For:	
502B	150.00 LF	3" I.D. PVC Electrical Conduit	For:	
502C	100.00 LF	4" I.D. PVC Electrical Conduit	For:	

Item No	Engineers Estimate	Item Description		
502J	10.00 CF	Electrical Junction Boxes	For:	
511	20.00 BAGS	Pneumatically Placed Concrete	For:	
512	50.00 SF	Repairing Structural Slabs	For:	
513	50.00 CY	Sand Bags in Place	For:	
514	10.00 GAL	Epoxy Protective Coating	For:	
515	100.00 LF	Sawcutting Grooves in Existing Asphalt or Concrete Pavements	For:	
516	50.00 LB	Lime Cement Pavement Grouting	For:	
517	10.00 EA	Drilling Holes for Lime Cement Grouting	For:	
522	20.00 EA	Triangular Guide Rail Delineator	For:	
525A	200.00 LF	Full Depth Pavement Cleaning and Resealing Transverse Joints in Portland Cement Concrete Pavement (0'-<1,000')	For:	
525B	200.00 LF	Full Depth Pavement Cleaning and Resealing Transverse Joints in Portland Cement Concrete Pavement (1,001' - <5,000')	For:	
525C	200.00 LF	Full Depth Pavement Cleaning and Resealing Transverse Joints in Portland Cement Concrete Pavement (5,001' - <10,000')	For:	
525D	200.00 LF	Full Depth Pavement Cleaning and Resealing Transverse Joints in Portland Cement Concrete Pavement (10,001' & Over)	For:	
526A	100.00 LF	Cleaning and Resealing Longitudinal Concrete Joints in Portland Cement Concrete Pavement (0' - <1,000')	For:	

Item No	Engineers Estimate	Item Description		
526B	1,000.00 LF	Cleaning and Resealing Longitudinal Concrete Joints in Portland Cement Concrete Pavement (1,000' - <5,000')	For:	
526C	1,000.00 LF	Cleaning and Resealing Longitudinal Concrete Joints in Portland Cement Concrete Pavement (5,000' -<10,000')	For:	
526D	1,000.00 LF	Cleaning and Resealing Longitudinal Concrete Joints in Portland Cement Concrete Pavement (10,000'& Over)	For:	
527A	500.00 LF	Cleaning, Filling and Sealing Existing Joints and Cracks in Asphalt Pavement (0' -<1,000')	For:	
527B	1,000.00 LF	Cleaning, Filling and Sealing Existing Joints and Cracks in Asphalt Pavement (1,000'-<5,000')	For:	
527C	500.00 LF	Cleaning, Filling and Sealing Existing Joints and Cracks in Asphalt Pavement (5,000'-<10,000')	For:	
527D	1,000.00 LF	Cleaning, Filling and Sealing Existing Joints and Cracks in Asphalt Pavement (10,000'& Over)	For:	
540	50.00 EA	Steel Bollards	For:	
556.03	50.00 EA	STUD SHEAR CONNECTORS FOR BRIDGES	For:	

Item No	Engineers Estimate	Item Description		
557.0101 2403	5.00 SY	ACCELERATED SUPERSTRUCTURE CONCRETE 24 HOURS FOR STRUCTURAL SLAB BRIDGE DECK, FRICTION TYPE 1	For:	
557.2001	10.00 SY	Structural Approach Slab With Integral Wearing Surface - Type 1 Friction	For:	
558.02	100.00 SY	Longitudinal Sawcut Grooving of Structural Slab Surface	For:	
559.1696 0011	100.00 SF	PROTECTIVE SEALING OF STRUCTURAL CONCRETE BY COATING TYPE	For:	
559.9001 0011	50.00 SY	ANTI-GRAFFITI PROTECTTION COATING	For:	
560.08	100.00 LF	TUCK POINTING	For:	
560.1601 0008	5.00 LF	Remove, Store and RESET Existing STONE Coping	For:	
560.1800 0008	50.00 LF	REMOVE AND REPLACE CAULK IN MASONRY EXPANSION JOINTS	For:	
560.1810 0011	5.00 SF	Remove and Reset Stone Masonry	For:	
564.2001 0008	500.00 LB	Hot Dip Galvanizing Of Stuctural Steel	For:	
564.7501 0004	2.00 EA	Structural Steel Repair, Type I	For:	
564.7502 0004	2.00 EA	Structural Steel Repair, Type II	For:	
564.7503 0004	2.00 EA	Structural Steel Repair, Type III	For:	
564.7504 0004	2.00 EA	Structural Steel Repair, Type IV	For:	
565.2023	2.00 EA	TYPE E.B. FIXED BEARING (112 TO 168K)	For:	

Item No	Engineers Estimate	Item Description		
565.2033	2.00 EA	TYPE E.B. EXPANSION BEARING (112 TO 168K)	For:	
565.4302 0015	2.00 EA	Bridge Bearing Restoration Type 1	For:	
568.51	10.00 LF	STEEL BRIDGE RAILING (FOUR RAIL)	For:	
568.70	10.00 LF	TRANSITION BRIDGE RAILING	For:	
571.03	1,000.00 LB	Disposal of Hazardous Paint Removal Waste Containing Lead	For:	
574.0200 01	100.00 SF	Structural Steel Painting: Overcoating	For:	
574.0300 01	100.00 SF	Structural Steel Painting: Localized	For:	
580.01	20.00 CY	Removal of Structural Concrete	For:	
580.04	2,000.00 SF	Removal Of Concrete Approach Slab	For:	
585.01	1.00 EA	Structural Lifting Operation Type A	For:	
586.0201	10.00 EA	Drilling and Grouting Bolts or Reinforcement Bars	For:	
589.01	1,000.00 LB	Removal of Existing Steel	For:	
594.01	100.00 CF	Timber and Lumber	For:	
594.02	100.00 CF	Stress Graded Timber and Lumber	For:	

Item No	Engineers Estimate	Item Description		
594.03	1,000.00 CF	Treated Timber and Lumber	For:	
685.0720 0110	1,000.00 LF	White Epoxy Reflectorized Pavement Stripes - 20 mils (Wet Night Visibility Spheres)	For:	
685.0720 0210	100.00 EA	White Epoxy Reflectorized Pavement Letters - 20 Mils (Wet Night Visibility Spheres)	For:	
685.0720 0310	100.00 EA	White Epoxy Reflectorized Pavement Symbols - 20 mils (Wet Night Visibility Spheres)	For:	
685.0720 0410	500.00 LF	White Epoxy Reflectorized Pavement Stripes (Cross Hatching) - 20 mils (Wet Night Visibility Spheres)	For:	
685.0720 0510	500.00 LF	White Epoxy Reflectorized Pavement Stripes (Special Markings) - 20 mils (Wet Night Visibility Spheres)	For:	

Item No	Engineers Estimate	Item Description		
685.0720 0610	1,000.00 LF	Yellow Epoxy Reflectorized Pavement Stripes - 20 mils (Wet Night Visibility Spheres)	For:	
685.0720 0710	500.00 LF	Yellow Epoxy Reflectorized Pavement Stripes (Cross Hatching) - 20 mils (Wet Night Visibility Spheres)	For:	
685.0720 0810	100.00 EA	Yellow Epoxy Reflectorized Pavement Yield Line Symbols - Small - 20 mils (Wet Night Visibility Spheres)	For:	
685.0720 0910	100.00 EA	WHITE EPOXY REFLECTORIZED PAVEMENT YIELD LINE SYMBOLS - LARGE - 20 MILS (WET NIGHT VISIBILITY SPHERES)	For:	
723	250.00 SF	Ornamental Steel Picket Fence (4'-0" to 8'-0" High)	For:	
724	100.00 SF	4'-0" Wide Single Swing Ornamental Steel Picket Gates (4'-0" to 8'-0" High)	For:	
725	100.00 SF	10'-0" Wide Double Swing Ornamental Steel Picket Gates (4'-0" to 8'-0" High)	For:	
726	500.00 SF	Ornamental Steel Picket Cantilever Slide Gates in 4' to 8' Heights (16'-0" to 22'-0" Wide)	For:	

Item No	Engineers Estimate	Item Description		
727	250.00 SF	Straight Picket PVC Fence (4'-0" to 6'-0" High)	For:	
728	100.00 SF	4'-0" Wide Single Swing Straight Picket PVC Gates (4'-0" to 6'-0" High)	For:	
729	100.00 SF	10'-0" Wide Single Swing Straight Picket PVC Gates (4'-0" to 6'-0" High)	For:	
730	250.00 SF	Straight Soild Panel PVC Fence (4'0" to 8'- 0" High)	For:	
731	100.00 SF	4'-0" Wide Single Swing Straight Soild Panel PVC Gates (4'0" to 8'-0" High)	For:	
732	100.00 SF	10'-0" Wide Double Swing Straight Soild Panel PVC Gates (4'0" to 8'-0" High)	For:	
733	15.00 EA	35 Foot High Aluminum Flagpole - Internal Halyard	For:	
*744	1.00 LS	Force Account Work	For:	
762	250.00 LB	Integral Color Pigment for Cement Concrete	For:	
763	1,000.00 SF	Imprinting on Cement Concrete Pavement or Sidewalk	For:	
764	500.00 SF	Colored and Imprinted Asphalt	For:	
765	10.00 EA	Furnish & Install Concrete Parking Bumper	For:	
766	100.00 SF	Retaining Wall System	For:	

^{*}Force Bid Items

Item No	Engineers	Item Description		
	Estimate			
767		Furnish, Install and	For:	
	100.00 LF	Maintain Turbidity		
		Curtain		
768		Furnish and Install	For:	
	100.00 LF	Armorless Bridge Joint		
		System		
769A		Type "A" Catch Basin	For:	
	10.00 EA	Insert-Filter Type		
		(Combination Inlet)		
769B		Type "B" Catch Basin	For:	
	10.00 EA	Insert-Filter Type		
		(Curb Inlet Only)		
770A		Type "A" Catch Basin	For:	
	10.00 EA	Insert-Sediment		
		Control Types		
		(Combination Inlet)		
770B	10 00 77	Type "B" Catch Basin	For:	
	10.00 EA	Insert-Sediment		
		Control Type (Curb		
		Inlet Only)		
771A	10 00 07	Type "A" Catch Basin	For:	
	10.00 EA	Insert - Sediment		
		Control Type with		
		Pathogen Filtration (Combination Inlet)		
771B		Type "B" Catch Basin	Eon	
\ \ \ TR	10.00 EA	Insert - Sediment	For:	
	TU.UU EA	Control Type with		
		Pathogen Filtration		
		(Curb Inlet Only)		
<u> </u>		(carp inter only)		