

DESIGNATED CONTACT: Vendor appoints the individual identified in this Section as the Contract Administrator and the initial point of contact for matters relating to this Contract.

Greg Nester Sales Engineer
(Name, Title)
GREG Nester Sales Engineer
(Printed Name and Title)
137 Charmwood Circle MONETA, VA 24121
(Address)
540-797-6499 (540-297-0081 Fax)
(Phone Number) / (Fax Number)
gnester@conteches.com
(email address)

CERTIFICATION AND SIGNATURE: By signing below, or submitting documentation through wvOASIS, I certify that I have reviewed this Solicitation in its entirety; that I understand the requirements, terms and conditions, and other information contained herein; that this bid, offer or proposal constitutes an offer to the State that cannot be unilaterally withdrawn; that the product or service proposed meets the mandatory requirements contained in the Solicitation for that product or service, unless otherwise stated herein; that the Vendor accepts the terms and conditions contained in the Solicitation, unless otherwise stated herein; that I am submitting this bid, offer or proposal for review and consideration; that I am authorized by the vendor to execute and submit this bid, offer, or proposal, or any documents related thereto on vendor's behalf; that I am authorized to bind the vendor in a contractual relationship; and that to the best of my knowledge, the vendor has properly registered with any State agency that may require registration.

CONTECH ENGINEERED SOLUTIONS
(Company)
Larry W. Asbury Region Vice President
(Authorized Signature) (Representative Name, Title)
LARRY W. ASBURY RVP
(Printed Name and Title of Authorized Representative)
4/13/2017
(Date)
(302) 598-7714 (1524) 443-457-1524 office
(Phone Number) (Fax Number)
Fax: 410/740-8492

FED ID# - 371663656

04/17/17 10:07:26
Purchasing Division

ITEM 1

Part 1p = Pipe - Zinc coated (galvanized) corrugated steel culvert pipe (type I), reference section 713.2 of the Standard Specs.

Pipe shall be in 20 foot sections. Unit Cost shall be per 20 foot sections.

Part 1b = Bands - Shall be the bands for the previous Pipe. Unit Cost shall be Each.

Part 1t = Total - Shall be the total cost for Part "p" and Part "b".

Line #	Item #	ITEM 1		Estimated Quantity	Extended Cost
		Size	Unit Cost		
1	1-12/16p	12" - 16 gage	140.00	2	280.00
	1-12/16b	Band	18.33	3	54.99
	1-12/16t	Total	158.33	XX	334.99
2	1-12/14p	12" - 14 gage	168.00	2	336.00
	1-12/14b	Band	18.33	3	54.99
	1-12/14t	Total	186.33	XX	390.99
3	1-15/16p	15" - 16 gage	168.00	2	336.00
	1-15/16b	Band	20.00	3	60.00
	1-15/16t	Total	188.00	XX	396.00
4	1-15/14p	15" - 14 gage	210.00	2	420.00
	1-15/14b	Band	20.00	3	60.00
	1-15/14t	Total	230.00	XX	480.00
5	1-18/16p	18" - 16 gage	210.00	2	420.00
	1-18/16b	Band	22.92	3	68.76
	1-18/16t	Total	232.92	XX	488.76
6	1-18/14p	18" - 14 gage	252.00	2	504.00
	1-18/14b	Band	22.92	3	68.76
	1-18/14t	Total	274.92	XX	572.76
7	1-18/12p	18" - 12 gage	348.00	2	696.00
	1-18/12b	Band	22.92	3	68.76
	1-18/12t	Total	370.92	XX	764.76
8	1-24/16p	24" - 16 gage	266.00	2	532.00
	1-24/16b	Band	28.33	3	84.99
	1-24/16t	Total	294.33	XX	616.99
9	1-24/14p	24" - 14 gage	336.00	2	672.00
	1-24/14b	Band	28.33	3	84.99
	1-24/14t	Total	364.33	XX	756.99
10	1-24/12p	24" - 12 gage	462.00	2	924.00
	1-24/12b	Band	28.33	3	84.99
	1-24/12t	Total	490.33	XX	1,008.99
11	1-30/16p	30" - 16 gage	336.00	2	672.00
	1-30/16b	Band	32.92	3	99.00
	1-30/16t	Total	368.92	XX	771.00
12	1-30/14p	30" - 14 gage	420.00	2	840.00
	1-30/14b	Band	33.00	3	99.00
	1-30/14t	Total	453.00	XX	939.00

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Part 1b = Bands - Shall be the bands for the previous Pipe. Unit Cost shall be Each.

Part 1t = Total - Shall be the total cost for Part "p" and Part "b".

Line #	Item #	ITEM 1		Estimated Quantity	Extended Cost
		Size	Unit Cost		
13	1-30/12p	30" - 12 gage	574.00	2	1,148.00
	1-30/12b	Band	33.00	3	99.00
	1-30/12t	Total	607.00	XX	1,247.00
14	1-30/10p	30" - 10 gage	723.00	2	1,446.00
	1-30/10b	Band	33.00	3	99.00
	1-30/10t	Total	756.00	XX	1,545.00
15	1-36/16p	36" - 16 gage	406.00	2	812.00
	1-36/16b	Band	41.00	3	123.00
	1-36/16t	Total	447.00	XX	935.00
16	1-36/14p	36" - 14 gage	504.00	2	1,008.00
	1-36/14b	Band	41.00	3	123.00
	1-36/14t	Total	545.00	XX	1,131.00
17	1-36/12p	36" - 12 gage	686.00	2	1,372.00
	1-36/12b	Band	41.00	3	123.00
	1-36/12t	Total	727.00	XX	1,495.00
18	1-36/10p	36" - 10 gage	868.00	2	1,736.00
	1-36/10b	Band	41.00	3	123.00
	1-36/10t	Total	909.00	XX	1,859.00
19	1-42/16p	42" - 16 gage	510.00	2	1,020.00
	1-42/16b	Band	51.00	3	153.00
	1-42/16t	Total	561.00	XX	1,173.00
20	1-42/14p	42" - 14 gage	588.00	2	1,176.00
	1-42/14b	Band	51.00	3	153.00
	1-42/14t	Total	639.00	XX	1,329.00
21	1-42/12p	42" - 12 gage	798.00	2	1,596.00
	1-42/12b	Band	51.00	3	153.00
	1-42/12t	Total	849.00	XX	1,749.00
22	1-42/10p	42" - 10 gage	1,008.00	2	2,016.00
	1-42/10b	Band	51.00	3	153.00
	1-42/10t	Total	1,059.00	XX	2,169.00
23	1-42/8p	42" - 8 gage	1,232.00	2	2,464.00
	1-42/8b	Band	51.00	3	153.00
	1-42/8t	Total	1,283.00	XX	2,617.00
24	1-48/16p	48" - 16 gage	570.00	2	1,140.00
	1-48/16b	Band	59.00	3	177.00
	1-48/16t	Total	629.00	XX	1,317.00
25	1-48/14p	48" - 14 gage	672.00	2	1,344.00
	1-48/14b	Band	59.00	3	177.00
	1-48/14t	Total	731.00	XX	1,521.00
26	1-48/12p	48" - 12 gage	910.00	2	1,820.00
	1-48/12b	Band	59.00	3	177.00
	1-48/12t	Total	969.00	XX	1,997.00
27	1-48/10p	48" - 10 gage	1,148.00	2	2,296.00
	1-48/10b	Band	59.00	3	177.00
	1-48/10t	Total	1,207.00	XX	2,473.00
28	1-48/8p	48" - 8 gage	1,400.00	2	2,800.00
	1-48/8b	Band	59.00	3	177.00
	1-48/8t	Total	1,459.00	XX	2,977.00

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Line #	Item #	ITEM 1 Size	Unit Cost	Estimated Quantity	Extended Cost
29	1-54/16p	54" - 16 gage*	704.00	2	1,408.00
	1-54/16b	Band	107.00	3	321.00
	1-54/16t	Total	811.00	XX	1,729.00
30	1-54/14p	54" - 14 gage*	850.00	2	1,700.00
	1-54/14b	Band	107.00	3	321.00
	1-54/14t	Total	957.00	XX	2,021.00
31	1-54/12p	54" - 12 gage	1,022.00	2	2,044.00
	1-54/12b	Band	107.00	3	321.00
	1-54/12t	Total	1,129.00	XX	2,365.00
32	1-54/10p	54" - 10 gage	1,300.00	2	2,600.00
	1-54/10b	Band	107.00	3	321.00
	1-54/10t	Total	1,407.00	XX	2,921.00
33	1-54/8p	54" - 8 gage	1,550.00	2	3,100.00
	1-54/8b	Band	107.00	3	321.00
	1-54/8t	Total	1,657.00	XX	3,421.00
34	1-60/16p	60" - 16 gage*	775.00	2	1,550.00
	1-60/16b	Band	111.00	3	333.00
	1-60/16t	Total	886.00	XX	1,883.00
35	1-60/14p	60" - 14 gage*	940.00	2	1,880.00
	1-60/14b	Band	111.00	3	333.00
	1-60/14t	Total	1,051.00	XX	2,213.00
36	1-60/12p	60" - 12 gage	1,130.00	2	2,260.00
	1-60/12b	Band	111.00	3	333.00
	1-60/12t	Total	1,241.00	XX	2,593.00
37	1-60/10p	60" - 10 gage	1,440.00	2	2,880.00
	1-60/10b	Band	111.00	3	333.00
	1-60/10t	Total	1,551.00	XX	3,213.00
38	1-60/8p	60" - 8 gage	1,730.00	2	3,460.00
	1-60/8b	Band	111.00	3	333.00
	1-60/8t	Total	1,841.00	XX	3,793.00
39	1-66/16p	66" - 16 gage*	840.00	2	1,680.00
	1-66/16b	Band	140.00	3	420.00
	1-66/16t	Total	980.00	XX	2,100.00
40	1-66/14p	66" - 14 gage*	1,040.00	2	2,080.00
	1-66/14b	Band	140.00	3	420.00
	1-66/14t	Total	1,180.00	XX	2,500.00
41	1-66/12p	66" - 12 gage	1,245.00	2	2,490.00
	1-66/12b	Band	140.00	3	420.00
	1-66/12t	Total	1,385.00	XX	2,910.00
42	1-66/10p	66" - 10 gage	1,580.00	2	3,160.00
	1-66/10b	Band	140.00	3	420.00
	1-66/10t	Total	1,720.00	XX	3,580.00
43	1-66/8p	66" - 8 gage	1,910.00	2	3,820.00
	1-66/8b	Band	140.00	3	420.00
	1-66/8t	Total	2,050.00	XX	4,240.00

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Part 1b = Bands - Shall be the bands for the previous Pipe. Unit Cost shall be Each.

Part 1t = Total - Shall be the total cost for Part "p" and Part "b".

Line #	Item #	ITEM 1 Size	Unit Cost	Estimated Quantity	Extended Cost
44	1-72/16p	72" - 16 gage*	925.00	2	1,850.00
	1-72/16b	Band	150.00	3	450.00
	1-72/16t	Total	1,075.00	XX	2,300.00
45	1-72/14p	72" - 14 gage*	1,140.00	2	2,280.00
	1-72/14b	Band	150.00	3	450.00
	1-72/14t	Total	1,290.00	XX	2,730.00
46	1-72/12p	72" - 12 gage*	1,500.00	2	3,000.00
	1-72/12b	Band	150.00	3	450.00
	1-72/12t	Total	1,650.00	XX	3,450.00
47	1-72/10p	72" - 10 gage	1,720.00	2	3,440.00
	1-72/10b	Band	150.00	3	450.00
	1-72/10t	Total	1,870.00	XX	3,890.00
48	1-72/8p	72" - 8 gage	2,080.00	2	4,160.00
	1-72/8b	Band	150.00	3	450.00
	1-72/8t	Total	2,230.00	XX	4,610.00
49	1-84/16p	84" - 16 gage*	1,080.00	2	2,160.00
	1-84/16b	Band	180.00	3	540.00
	1-84/16t	Total	1,260.00	XX	2,700.00
50	1-84/14p	84" - 14 gage*	1,320.00	2	2,640.00
	1-84/14b	Band	180.00	3	540.00
	1-84/14t	Total	1,500.00	XX	3,180.00
51	1-84/12p	84" - 12 gage*	1,670.00	2	3,340.00
	1-84/12b	Band	180.00	3	540.00
	1-84/12t	Total	1,850.00	XX	3,880.00
52	1-84/10p	84" - 10 gage*	2,020.00	2	4,040.00
	1-84/10b	Band	180.00	3	540.00
	1-84/10t	Total	2,200.00	XX	4,580.00
53	1-84/8p	84" - 8 gage	2,420.00	2	4,840.00
	1-84/8b	Band	180.00	3	540.00
	1-84/8t	Total	2,600.00	XX	5,380.00
54	1-96/16p	96" - 16 gage*	1,225.00	2	2,450.00
	1-96/16b	Band	180.00	3	540.00
	1-96/16t	Total	1,405.00	XX	2,990.00
55	1-96/14p	96" - 14 gage*	1,500.00	2	3,000.00
	1-96/14b	Band	180.00	3	540.00
	1-96/14t	Total	1,680.00	XX	3,540.00
56	1-96/12p	96" - 12 gage*	1,940.00	2	3,880.00
	1-96/12b	Band	180.00	3	540.00
	1-96/12t	Total	2,120.00	XX	4,420.00
57	1-96/10p	96" - 10 gage*	2,315.00	2	4,630.00
	1-96/10b	Band	180.00	3	540.00
	1-96/10t	Total	2,495.00	XX	5,170.00
58	1-96/8p	96" - 8 gage	2,750.00	2	5,500.00
	1-96/8b	Band	180.00	3	540.00
	1-96/8t	Total	2,930.00	XX	6,040.00

460.00 5 960.00

* denotes 3"x1" or 5"x1" corrugation, per section 3.3.9 of the specifications

ITEM 2

Part 2p = Pipe - Zinc coated (galvanized) corrugated steel culvert arch pipe (type II), reference section 713.2 of the Standard Specs.

Pipe shall be in 20 foot sections. Unit Cost shall be per 20 foot sections.

Part 2b = Bands - Shall be the bands for the previous Pipe. Unit Cost shall be Each.

Part 2t = Total - Shall be the total cost for Part "p" and Part "b".

Line #	Item #	ITEM 2		Estimated Quantity	Extended Cost
		Span x Rise	Unit Cost		
1	2-1713/16p	17" x 13" - 16 gage	192	2	384
	2-1713/16b	Band	20	3	60
	2-1713/16t	Total	212	XX	444
2	2-1713/14p	17" x 13" - 14 gage	234	2	468
	2-1713/14b	Band	20	3	60
	2-1713/14t	Total	254	XX	528
3	2-2115/16p	21" x 15" - 16 gage	225	2	450
	2-2115/16b	Band	23	3	69
	2-2115/16t	Total	248	XX	519
4	2-2115/14p	21" x 15" - 14 gage	270	2	540
	2-2115/14b	Band	23	3	69
	2-2115/14t	Total	293	XX	609
5	2-2115/12p	21" x 15" - 12 gage	348	2	696
	2-2115/12b	Band	23	3	69
	2-2115/12t	Total	371	XX	765
6	2-2820/16p	28" x 20" - 16 gage	245	2	490
	2-2820/16b	Band	28	3	84
	2-2820/16t	Total	273	XX	574
7	2-2820/14p	28" x 20" - 14 gage	360	2	720
	2-2820/14b	Band	28	3	84
	2-2820/14t	Total	388	XX	804
8	2-2820/12p	28" x 20" - 12 gage	442	2	884
	2-2820/12b	Band	28	3	84
	2-2820/12t	Total	470	XX	968
9	2-3524/16p	35" x 24" - 16 gage	370	2	740
	2-3524/16b	Band	33	3	99
	2-3524/16t	Total	403	XX	839
10	2-3524/14p	35" x 24" - 14 gage	432	2	864
	2-3524/14b	Band	33	3	99
	2-3524/14t	Total	465	XX	963
11	2-3524/12p	35" x 24" - 12 gage	549	2	1098
	2-3524/12b	Band	33	3	99
	2-3524/12t	Total	582	XX	1197

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Part 2b = Bands - Shall be the bands for the previous Pipe. Unit Cost shall be Each.

Part 2t = Total - Shall be the total cost for Part "p" and Part "b".

Line #	Item #	ITEM 2		Estimated Quantity	Extended Cost
		Span x Rise	Unit Cost		
12	2-4229/16p	42" x 29" - 16 gage	425	2	850
	2-4229/16b	Band	40	3	120
	2-4229/16t	Total	465	XX	970
13	2-4229/14p	42" x 29" - 14 gage	504	2	1008
	2-4229/14b	Band	40	3	120
	2-4229/14t	Total	544	XX	1128
14	2-4229/12p	42" x 29" - 12 gage	655	2	1310
	2-4229/12b	Band	40	3	120
	2-4229/12t	Total	695	XX	1430
15	2-4229/10p	42" x 29" - 10 gage	806	2	1612
	2-4229/10b	Band	40	3	120
	2-4229/10t	Total	846	XX	1732
16	2-4933/14p	49" x 33" - 14 gage	585	2	1170
	2-4933/14b	Band	50	3	150
	2-4933/14t	Total	635	XX	1320
17	2-4933/12p	49" x 33" - 12 gage	760	2	1520
	2-4933/12b	Band	50	3	150
	2-4933/12t	Total	810	XX	1670
18	2-4933/10p	49" x 33" - 10 gage	936	2	1872
	2-4933/10b	Band	50	3	150
	2-4933/10t	Total	986	XX	2022
19	2-4933/8p	49" x 33" - 8 gage	1144	2	2288
	2-4933/8b	Band	50	3	150
	2-4933/8t	Total	1194	XX	2438
20	2-5738/12p	57" x 38" - 12 gage	845	2	1690
	2-5738/12b	Band	60	3	180
	2-5738/12t	Total	905	XX	1870
21	2-5738/10p	57" x 38" - 10 gage	1030	2	2060
	2-5738/10b	Band	60	3	180
	2-5738/10t	Total	1090	XX	2240
22	2-5738/8p	57" x 38" - 8 gage	1200	2	2400
	2-5738/8b	Band	60	3	180
	2-5738/8t	Total	1260	XX	2580
23	2-6443/12p	64" x 43" - 12 gage	1007	2	2014
	2-6443/12b	Band	100	3	300
	2-6443/12t	Total	1107	XX	2314

ITEM 2

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Line #	Item #	ITEM 2		Estimated Quantity	Extended Cost
		Span x Rise	Unit Cost		
24	2-6443/10p	64" x 43" - 10 gage	1150	2	2300
	2-6443/10b	Band	100	3	300
	2-6443/10t	Total	1250	XX	2600
25	2-6443/8p	64" x 43" - 8 gage	1340	2	2680
	2-6443/8b	Band	100	3	300
	2-6443/8t	Total	1440	XX	2980
26	2-7147/10p	71" x 47" - 10 gage	1300	2	2600
	2-7147/10b	Band	110	3	330
	2-7147/10t	Total	1410	XX	2930
27	2-7147/8p	71" x 47" - 8 gage	1450	2	2900
	2-7147/8b	Band	110	3	330
	2-7147/8t	Total	1560	XX	3230
28	2-7355/12p	73" x 55" - 12 gage*	1300	2	2600
	2-7355/12b	Band	140	3	420
	2-7355/12t	Total	1440	XX	3020
29	2-7355/10p	73" x 55" - 10 gage*	1550	2	3100
	2-7355/10b	Band	140	3	420
	2-7355/10t	Total	1690	XX	3520
30	2-7355/8p	73" x 55" - 8 gage*	1750	2	3500
	2-7355/8b	Band	140	3	420
	2-7355/8t	Total	1890	XX	3920
31	2-8159/12p	81" x 59" - 12 gage*	1450	2	2900
	2-8159/12b	Band	150	3	450
	2-8159/12t	Total	1600	XX	3350
32	2-8159/10p	81" x 59" - 10 gage*	1700	2	3400
	2-8159/10b	Band	150	3	450
	2-8159/10t	Total	1850	XX	3850
33	2-8159/8p	81" x 59" - 8 gage*	1950	2	3900
	2-8159/8b	Band	150	3	450
	2-8159/8t	Total	2100	XX	4350
34	2-8357/8p	83" x 57" - 8 gage*	1800	2	3600
	2-8357/8b	Band	150	3	450
	2-8357/8t	Total	1950	XX	4050

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Part 2t = Total - Shall be the total cost for Part "p" and Part "b".

Line #	Item #	ITEM 2		Estimated Quantity	Extended Cost
		Span x Rise	Unit Cost		
35	2-8763/12p	87" x 63" - 12 gage*	1560	2	3120
	2-8763/12b	Band	160	3	480
	2-8763/12t	Total	1720	XX	3600
36	2-8763/10p	87" x 63" - 10gage*	1840	2	3680
	2-8763/10b	Band	160	3	480
	2-8763/10t	Total	2000	XX	4160
37	2-8763/8p	87" x 63" - 8 gage*	2115	2	4230
	2-8763/8b	Band	160	3	480
	2-8763/8t	Total	2275	XX	4710
38	2-9567/12p	95" x 67" - 12 gage*	1712	2	3428
	2-9567/12b	Band	175	3	525
	2-9567/12t	Total	1887	XX	3953
39	2-9567/10p	95" x 67" - 10 gage*	1990	2	3980
	2-9567/10b	Band	175	3	525
	2-9567/10t	Total	2165	XX	4505
40	2-9567/8p	95" x 67" - 8 gage*	2250	2	4500
	2-9567/8b	Band	175	3	525
	2-9567/8t	Total	2425	XX	5025
41	2-10371/12p	103" x 71" - 12 gage*	1940	2	3980
	2-10371/12b	Band	180	3	540
	2-10371/12t	Total	2120	XX	4520
42	2-10371/10p	103" x 71" - 10 gage*	2315	2	4630
	2-10371/10b	Band	180	3	540
	2-10371/10t	Total	2495	XX	5170
43	2-10371/8p	103" x 71" - 8 gage*	2525	2	5050
	2-10371/8b	Band	180	3	540
	2-10371/8t	Total	2705	XX	5590

* denotes 3"x1" or 5"x1" corrugation, per section 3.3.9 of the specifications

ITEM 3

Part 3p = Pipe - Zinc coated (galvanized) corrugated steel under-drain pipe (type III), perforated and non-perforated, reference section 713.11 of the Standard Specs.

Pipe shall be in 20 foot sections. Unit Cost shall be per 20 foot sections.

Part 3b = Bands - Shall be the bands for the previous Pipe. Unit Cost shall be Each.

Part 3t = Total - Shall be the total cost for Part "p" and Part "b".

Line #	Item #	ITEM 3 Size	Unit Cost	Estimated Quantity	Extended Cost
1	3-6/16pP	6" - 16 gage Perforated	180	2	360
	3-6/16bP	Band	9	3	27
	3-6/16tP	Total	189	XX	387
2	3-6/16pNP	6" - 16 gage Non-Perforated	180	2	360
	3-6/16bNP	Band	9	3	27
	3-6/16tNP	Total	189	XX	387
3	3-8/16pP	6" - 16 gage Perforated	210	2	420
	3-8/16bP	Band	10	3	30
	3-8/16tP	Total	220	XX	450
4	3-8/16pNP	6" - 16 gage Non-Perforated	210	2	420
	3-8/16bNP	Band	10	3	30
	3-8/16tNP	Total	220	XX	450

ITEM 4

Part 4p = Pipe - Zinc coated (galvanized) corrugated steel culvert pipe (type I), reference section 713.2 of the Standard Specs, with grating assemblies made of structural steel, suitable welded, to form the open slot and hot-dip galvanized to meet provisions of ASTM A123. Pipe shall be in 20 foot sections. Unit Cost shall be per 20 foot sections.

Part 4b = Bands - Shall be the bands for the previous Pipe. Unit Cost shall be Each

Part 4t = Total - Shall be the total cost for Part "p" and Part "b".

Line #	Item #	ITEM 4 Size	Unit Cost	Estimated Quantity	Extended Cost
1	4-126/16p	12" w/6" Slot Height - 16 gage	900	2	1800
	4-126/16b	Band	20	3	60
	4-126/16t	Total		X	
2	4-126/14p	12" w/6" Slot Height - 14 gage	1000	2	2000
	4-126/14b	Band	20	3	60
	4-126/14t	Total		X	
3	4-122.5/16p	12" w/2.5" Slot Height - 16 gage	720	2	1440
	4-122.5/16b	Band	20	3	60
	4-122.5/16t	Total		X	
4	4-122.5/14p	12" w/2.5" Slot Height - 14 gage	800	2	1600
	4-122.5/14b	Band	20	3	60
	4-122.5/14t	Total		X	
5	4-156/16p	15" w/6" Slot Height - 16 gage	980	2	1960
	4-156/16b	Band	25	3	75
	4-156/16t	Total		X	
6	4-156/14p	15" w/6" Slot Height - 14 gage	1080	2	2160
	4-156/14b	Band	25	3	75
	4-156/14t	Total		X	
7	4-152.5/16p	15" w/2.5" Slot Height - 16 gage	790	2	1580
	4-152.5/16b	Band	25	3	75
	4-152.5/16t	Total		X	
8	4-152.5/14p	15" w/2.5" Slot Height - 14 gage	880	2	1760
	4-152.5/14b	Band	25	3	75
	4-152.5/14t	Total		X	
9	4-186/16p	18" w/6" Slot Height - 16 gage	1050	2	2100
	4-186/16b	Band	30	3	90
	4-186/16t	Total		X	
10	4-186/14p	18" w/6" Slot Height - 14 gage	1160	2	2320
	4-186/14b	Band	30	3	90
	4-186/14t	Total		X	
11	4-182.5/16p	18" w/2.5" Slot Height - 16 gage	850	2	1700
	4-182.5/16b	Band	35	3	105
	4-182.5/16t	Total		X	

ITEM 4

Part 4p = Pipe - Zinc coated (galvanized) corrugated steel culvert pipe (type I), reference section 713.2 of the Standard Specs, with grated assemblies made of structural steel, suitable welded, to form the open slot and hot-dip galvanized to meet provisions of ASTM A123. Pipe shall be in 20 foot sections. Unit Cost shall be per 20 foot sections.

Part 4b = Bands - Shall be the bands for the previous Pipe. Unit Cost shall be Each

Part 4t = Total - Shall be the total cost for Part "p" and Part "b".

Line #	Item #	ITEM 4 Size	Unit Cost	Estimated Quantity	Extended Cost
12	4-182.5/14p	18" w/2.5" Slot Height - 14 gage	950	2	1900
	4-182.5/14b	Band	35	3	105
	4-182.5/14t	Total		X	
13	4-246/16p	24" w/6" Slot Height - 16 gage	1185	2	2370
	4-246/16b	Band	40	3	120
	4-246/16t	Total		X	
14	4-246/14p	24" w/6" Slot Height - 14 gage	1320	2	2640
	4-246/14b	Band	40	3	120
	4-246/14t	Total		X	
15	4-242.5/16p	24" w/2.5" Slot Height - 16 gage	990	2	1980
	4-242.5/16b	Band	40	3	120
	4-242.5/16t	Total		X	
16	4-242.5/14p	24" w/2.5" Slot Height - 14 gage	1120	2	2240
	4-242.5/14b	Band	40	3	120
	4-242.5/14t	Total		X	
17	4-306/16p	30" w/6" Slot Height - 16 gage	1320	2	2640
	4-306/16b	Band	50	3	150
	4-306/16t	Total		X	
18	4-306/14p	30" w/6" Slot Height - 14 gage	1490	2	2980
	4-306/14b	Band	50	3	150
	4-306/14t	Total		X	
19	4-302.5/16p	30" w/2.5" Slot Height - 16 gage	1120	2	2240
	4-302.5/16b	Band	50	3	150
	4-302.5/16t	Total		X	
20	4-302.5/14p	30" w/2.5" Slot Height - 14 gage	1300	2	2600
	4-302.5/14b	Band	50	3	150
	4-302.5/14t	Total		X	
21	4-366/16p	36" w/6" Slot Height - 16 gage	1450	2	2900
	4-366/16b	Band	60	3	180
	4-366/16t	Total		X	
22	4-366/14p	36" w/6" Slot Height - 14 gage	1660	2	3320
	4-366/14b	Band	60	3	180
	4-366/14t	Total		X	
23	4-362.5/16p	36" w/2.5" Slot Height - 16 gage	1250	2	2500
	4-362.5/16b	Band	60	3	180
	4-362.5/16t	Total		X	
24	4-362.5/14p	36" w/2.5" Slot Height - 14 gage	1460	2	2920
	4-362.5/14b	Band	60	3	180
	4-362.5/14t	Total		X	

ITEM 5

Part 5p = Pipe - Aluminum coated (aluminized) culvert pipe (type 1), reference section 713.2 of the Standard Specs and AASHTO M36.

Pipe shall be in 20 foot sections. Unit Cost shall be per 20 foot sections.

Part 5b = Bands - Shall be the bands for the previous Pipe. Unit Cost shall be Each.

Part 5t = Total - Shall be the total cost for Part "p" and Part "b".

Line #	Item #	ITEM 5		Estimated Quantity	Extended Cost
		Size	Unit Cost		
1	5-12/16p	12" - 16 gage	160.00	2	320.00
	5-12/16b	Band	18.00	3	54.00
	5-12/16t	Total	178.00	XX	374.00
2	5-12/14p	12" - 14 gage	192.00	2	384.00
	5-12/14b	Band	18.00	3	54.00
	5-12/14t	Total	210.00	XX	438.00
3	5-15/16p	15" - 16 gage	192.00	2	384.00
	5-15/16b	Band	20.00	3	60.00
	5-15/16t	Total	212.00	XX	444.00
4	5-15/14p	15" - 14 gage	240.00	2	480.00
	5-15/14b	Band	20.00	3	60.00
	5-15/14t	Total	260.00	XX	540.00
5	5-18/16p	18" - 16 gage	240.00	2	480.00
	5-18/16b	Band	22.00	3	66.00
	5-18/16t	Total	262.00	XX	546.00
6	5-18/14p	18" - 14 gage	270.00	2	540.00
	5-18/14b	Band	22.00	3	66.00
	5-18/14t	Total	292.00	XX	606.00
7	5-18/12p	18" - 12 gage	375.00	2	750.00
	5-18/12b	Band	22.00	3	66.00
	5-18/12t	Total	397.00	XX	816.00
8	5-24/16p	24" - 16 gage	304.00	2	608.00
	5-24/16b	Band	28.00	3	84.00
	5-24/16t	Total	332.00	XX	
9	5-24/14p	24" - 14 gage	360.00	2	720.00
	5-24/14b	Band	28.00	3	84.00
	5-24/14t	Total	388.00	XX	804.00
10	5-24/12p	24" - 12 gage	480.00	2	960.00
	5-24/12b	Band	28.00	3	84.00
	5-24/12t	Total	508.00	XX	1,044.00

ITEM 5

Part 5p = Pipe - Aluminum coated (aluminized) culvert pipe (type 1), reference section 713.2 of the Standard Specs and AASHTO M36.

Pipe shall be in 20 foot sections. Unit Cost shall be per 20 foot sections.

Part 5b = Bands - Shall be the bands for the previous Pipe. Unit Cost shall be Each.

Part 5t = Total - Shall be the total cost for Part "p" and Part "b".

Line #	Item #	ITEM 5 Size	Unit Cost	Estimated Quantity	Extended Cost
11	5-30/16p	30" - 16 gage	384.00	2	768.00
	5-30/16b	Band	32.00	3	96.00
	5-30/16t	Total	416.00	XX	864.00
12	5-30/14p	30" - 14 gage	438.00	2	876.00
	5-30/14b	Band	32.00	3	96.00
	5-30/14t	Total	470.00	XX	972.00
13	5-30/12p	30" - 12 gage	600.00	2	1,200.00
	5-30/12b	Band	32.00	3	96.00
	5-30/12t	Total	632.00	XX	1,296.00
14	5-30/10p	30" - 10 gage	754.00	2	1,508.00
	5-30/10b	Band	32.00	3	96.00
	5-30/10t	Total	786.00	XX	1,604.00
15	5-36/16p	36" - 16 gage	447.00	2	894.00
	5-36/16b	Band	40.00	3	120.00
	5-36/16t	Total	487.00	XX	1,014.00
16	5-36/14p	36" - 14 gage	525.00	2	1,050.00
	5-36/14b	Band	40.00	3	120.00
	5-36/14t	Total	565.00	XX	1,170.00
17	5-36/12p	36" - 12 gage	715.00	2	1,430.00
	5-36/12b	Band	40.00	3	120.00
	5-36/12t	Total	755.00	XX	1,550.00
18	5-36/10p	36" - 10 gage	905.00	2	1,810.00
	5-36/10b	Band	40.00	3	120.00
	5-36/10t	Total	945.00	XX	1,930.00
19	5-42/16p	42" - 16 gage	530.00	2	1,060.00
	5-42/16b	Band	50.00	3	150.00
	5-42/16t	Total	580.00	XX	1,210.00
20	5-42/14p	42" - 14 gage	630.00	2	1,260.00
	5-42/14b	Band	50.00	3	150.00
	5-42/14t	Total	680.00	XX	1,410.00
21	5-42/12p	42" - 12 gage	830.00	2	1,660.00
	5-42/12b	Band	50.00	3	150.00
	5-42/12t	Total	880.00	XX	
22	5-42/10p	42" - 10 gage	1,050.00	2	2,100.00
	5-42/10b	Band	50.00	3	150.00
	5-42/10t	Total	1,100.00	XX	2,250.00

ITEM 5

Part 5p = Pipe - Aluminum coated (aluminized) culvert pipe (type 1), reference section 713.2 of the Standard Specs and AASHTO M36.

Pipe shall be in 20 foot sections. Unit Cost shall be per 20 foot sections.

Part 5b = Bands - Shall be the bands for the previous Pipe. Unit Cost shall be Each.

Part 5t = Total - Shall be the total cost for Part "p" and Part "b".

Line #	Item #	ITEM 5		Estimated Quantity	Extended Cost
		Size	Unit Cost		
23	5-48/16p	48" - 16 gage	608.00	2	1,216.00
	5-48/16b	Band	60.00	3	180.00
	5-48/16t	Total	668.00	XX	1,396.00
24	5-48/14p	48" - 14 gage	720.00	2	1,440.00
	5-48/14b	Band	60.00	3	180.00
	5-48/14t	Total	780.00	XX	1,620.00
25	5-48/12p	48" - 12 gage	950.00	2	1,900.00
	5-48/12b	Band	60.00	3	180.00
	5-48/12t	Total	1,010.00	XX	2,080.00
26	5-48/10p	48" - 10 gage	1,200.00	2	2,400.00
	5-48/10b	Band	60.00	3	180.00
	5-48/10t	Total	1,260.00	XX	2,580.00
27	5-54/16p	54" - 16 gage*	730.00	2	1,460.00
	5-54/16b	Band	80.00	3	240.00
	5-54/16t	Total	810.00	XX	1,700.00
28	5-54/14p	54" - 14 gage	900.00	2	1,800.00
	5-54/14b	Band	80.00	3	240.00
	5-54/14t	Total	980.00	XX	2,040.00
29	5-54/12p	54" - 12 gage	1,065.00	2	2,130.00
	5-54/12b	Band	80.00	3	240.00
	5-54/12t	Total	1,145.00	XX	2,370.00
30	5-54/10p	54" - 10 gage	1,350.00	2	2,700.00
	5-54/10b	Band	80.00	3	240.00
	5-54/10t	Total	1,430.00	XX	2,940.00
31	5-60/16p	60" - 16 gage*	800.00	2	1,600.00
	5-60/16b	Band	90.00	3	270.00
	5-60/16t	Total	890.00	XX	1,870.00
32	5-60/14p	60" - 14 gage*	975.00	2	1,950.00
	5-60/14b	Band	90.00	3	270.00
	5-60/14t	Total	1,065.00	XX	2,220.00
33	5-60/12p	60" - 12 gage	1,180.00	2	2,360.00
	5-60/12b	Band	90.00	3	270.00
	5-60/12t	Total	1,270.00	XX	2,630.00

ITEM 5

Part 5p = Pipe - Aluminum coated (aluminized) culvert pipe (type 1), reference section 713.2 of the Standard Specs and AASHTO M36.

Pipe shall be in 20 foot sections. Unit Cost shall be per 20 foot sections.

Part 5b = Bands - Shall be the bands for the previous Pipe. Unit Cost shall be Each.

Part 5t = Total - Shall be the total cost for Part "p" and Part "b".

Line #	Item #	ITEM 5		Estimated Quantity	Extended Cost
		Size	Unit Cost		
34	5-60/10p	60" - 10 gage	1,500.00	2	3,000.00
	5-60/10b	Band	90.00	3	270.00
	5-60/10t	Total	1,590.00	XX	3,270.00
35	5-66/16p	66" - 16 gage*	900.00	2	1,800.00
	5-66/16b	Band	100.00	3	300.00
	5-66/16t	Total	1,000.00	XX	2,100.00
36	5-66/14p	66" - 14 gage*	1,080.00	2	2,160.00
	5-66/14b	Band	100.00	3	300.00
	5-66/14t	Total	1,180.00	XX	2,460.00
37	5-66/12p	66" - 12 gage	1,300.00	2	2,600.00
	5-66/12b	Band	100.00	3	300.00
	5-66/12t	Total	1,400.00	XX	2,900.00
38	5-66/10p	66" - 10 gage	1,650.00	2	3,300.00
	5-66/10b	Band	100.00	3	300.00
	5-66/10t	Total	1,750.00	XX	3,600.00
39	5-72/16p	72" - 16 gage*	990.00	2	1,980.00
	5-72/16b	Band	110.00	3	330.00
	5-72/16t	Total	1,100.00	XX	2,310.00
40	5-72/14p	72" - 14 gage*	1,180.00	2	2,360.00
	5-72/14b	Band	110.00	3	330.00
	5-72/14t	Total	1,290.00	XX	2,690.00
41	5-72/12p	72" - 12 gage*	1,550.00	2	3,100.00
	5-72/12b	Band	110.00	3	330.00
	5-72/12t	Total	1,660.00	XX	3,430.00
42	5-72/10p	72" - 10 gage	1,800.00	2	3,600.00
	5-72/10b	Band	110.00	3	330.00
	5-72/10t	Total	1,910.00	XX	3,930.00
43	5-84/16p	84" - 16 gage*	1,180.00	2	2,360.00
	5-84/16b	Band	120.00	3	360.00
	5-84/16t	Total	1,300.00	XX	2,720.00

ITEM 5

Part 5p = Pipe - Aluminum coated (aluminized) culvert pipe (type 1), reference section 713.2 of the Standard Specs and AASHTO M36.

Pipe shall be in 20 foot sections. Unit Cost shall be per 20 foot sections.

Part 5b = Bands - Shall be the bands for the previous Pipe. Unit Cost shall be Each.

Part 5t = Total - Shall be the total cost for Part "p" and Part "b".

Line #	Item #	ITEM 5 Size	Unit Cost	Estimated Quantity	Extended Cost
44	5-84/14p	84" - 14 gage*	1,375.00	2	2,750.00
	5-84/14b	Band	120.00	3	360.00
	5-84/14t	Total	1,495.00	XX	3,110.00
45	5-84/12p	84" - 12 gage*	1,800.00	2	3,600.00
	5-84/12b	Band	120.00	3	360.00
	5-84/12t	Total	1,920.00	XX	3,960.00
46	5-84/10p	84" - 10 gage*	2,105.00	2	4,210.00
	5-84/10b	Band	120.00	3	360.00
	5-84/10t	Total	2,225.00	XX	4,570.00
47	5-96/16p	96" - 16 gage*	1,350.00	2	2,700.00
	5-96/16b	Band	140.00	3	420.00
	5-96/16t	Total	1,490.00	XX	3,120.00
48	5-96/14p	96" - 14 gage*	1,600.00	2	3,200.00
	5-96/14b	Band	140.00	3	420.00
	5-96/14t	Total	1,740.00	XX	3,620.00
49	5-96/12p	96" - 12 gage*	2,020.00	2	4,040.00
	5-96/12b	Band	140.00	3	420.00
	5-96/12t	Total	2,160.00	XX	4,460.00
50	5-96/10p	96" - 10 gage*	2,415.00	2	4,830.00
	5-96/10b	Band	140.00	3	420.00
	5-96/10t	Total	2,555.00	XX	5,250.00

* denotes 3"x1" or 5"x1" corrugation, per section 3.3.9 of the specifications

ITEM 6

Part 6p = Pipe - Aluminum coated (aluminized) steel culvert arch pipe (type II), reference sectionn 713.2 of the Standard Specs and AASHTO M36.

Pipe shall be in 20 foot sections. Unit Cost shall be per 20 foot sections.

Part 6b = Bands - Shall be the bands for the previous Pipe. Unit Cost shall be Each.

Part 6t = Total - Shall be the total cost for Part "p" and Part "b".

Line #	Item #	ITEM 6			
		Span x Rise	Unit Cost	Estimated Quantity	Extended Cost
1	6-1713/16p	17" x 13" - 16 gage	200	2	400
	6-1713/16b	Band	20	3	60
	6-1713/16t	Total	220	XX	460
2	6-1713/14p	17" x 13" - 14 gage	237	2	474
	6-1713/14b	Band	20	3	60
	6-1713/14t	Total	257	XX	534
3	6-2115/16p	21" x 15" - 16 gage	237	2	474
	6-2115/16b	Band	22	3	66
	6-2115/16t	Total	259	XX	540
4	6-2115/14p	21" x 15" - 14 gage	280	2	560
	6-2115/14b	Band	22	3	66
	6-2115/14t	Total	302	XX	626
5	6-2115/12p	21" x 15" - 12 gage	360	2	720
	6-2115/12b	Band	22	3	66
	6-2115/12t	Total	382	XX	786
6	6-2820/16p	28" x 20" - 16 gage	310	2	620
	6-2820/16b	Band	28	3	84
	6-2820/16t	Total	338	XX	704
7	6-2820/14p	28" x 20" - 14 gage	365	2	730
	6-2820/14b	Band	28	3	84
	6-2820/14t	Total	393	XX	814
8	6-2820/12p	28" x 20" - 12 gage	475	2	950
	6-2820/12b	Band	28	3	84
	6-2820/12t	Total	503	XX	1034
9	6-3524/16p	35" x 24" - 16 gage	390	2	780
	6-3524/16b	Band	32	3	96
	6-3524/16t	Total	422	XX	876

ITEM 6

Part 6p = Pipe - Aluminum coated (aluminized) steel culvert arch pipe (type II), reference sectionn 713.2 of the Standard Specs and AASHTO M36.

Pipe shall be in 20 foot sections. Unit Cost shall be per 20 foot sections.

Part 6b = Bands - Shall be the bands for the previous Pipe. Unit Cost shall be Each.

Part 6t = Total - Shall be the total cost for Part "p" and Part "b".

Line #	Item #	ITEM 6 Span x Rise	Unit Cost	Estimated Quantity	Extended Cost
10	6-3524/14p	35" x 24" - 14 gage	456	2	912
	6-3524/14b	Band	32	3	96
	6-3524/14t	Total	488	XX	1008
11	6-3524/12p	35" x 24" - 12 gage	590	2	1180
	6-3524/12b	Band	32	3	96
	6-3524/12t	Total	622	XX	1276
12	6-4229/16p	42" x 29" - 16 gage	464	2	928
	6-4229/16b	Band	40	3	120
	6-4229/16t	Total	504	XX	1048
13	6-4229/14p	42" x 29" - 14 gage	550	2	1100
	6-4229/14b	Band	40	3	120
	6-4229/14t	Total	590	XX	1220
14	6-4229/12p	42" x 29" - 12 gage	700	2	1400
	6-4229/12b	Band	40	3	120
	6-4229/12t	Total	740	XX	1520
15	6-4229/10p	42" x 29" - 10 gage	868	2	1736
	6-4229/10b	Band	40	3	120
	6-4229/10t	Total	908	XX	1856
16	6-4933/14p	49" x 33" - 14 gage	640	2	1280
	6-4933/14b	Band	50	3	150
	6-4933/14t	Total		XX	1430
17	6-4933/12p	49" x 33" - 12 gage	830	2	1660
	6-4933/12b	Band	50	3	150
	6-4933/12t	Total	880	XX	1810
18	6-4933/10p	49" x 33" - 10 gage	1008	2	2016
	6-4933/10b	Band	50	3	150
	6-4933/10t	Total	1058	XX	2166
19	6-5738/12p	57" x 38" - 12 gage	950	2	1900
	6-5738/12b	Band	60	3	180
	6-5738/12t	Total	1010	XX	2080
20	6-5738/10p	57" x 38" - 10 gage	1150	2	2300
	6-5738/10b	Band	60	3	180
	6-5738/10t	Total	1210	XX	2480

ITEM 6

Part 6p = Pipe - Aluminum coated (aluminized) steel culvert arch pipe (type II), reference sectionn 713.2 of the Standard Specs and AASHTO M36.

Pipe shall be in 20 foot sections. Unit Cost shall be per 20 foot sections.

Part 6b = Bands - Shall be the bands for the previous Pipe. Unit Cost shall be Each.

Part 6t = Total - Shall be the total cost for Part "p" and Part "b".

Line #	Item #	ITEM 6 Span x Rise	Unit Cost	Estimated Quantity	Extended Cost
21	6-6443/12p	64" x 43" - 12 gage	1080	2	2160
	6-6443/12b	Band	70	3	210
	6-6443/12t	Total	1150	XX	2370
22	6-6443/10p	64" x 43" - 10 gage	1306	2	2612
	6-6443/10b	Band	70	3	210
	6-6443/10t	Total	1376	XX	2822
23	6-7147/10p	71" x 47" - 10 gage	1400	2	2800
	6-7147/10b	Band	80	3	240
	6-7147/10t	Total	1480	XX	3040
24	6-7355/12p	73" x 55" - 12 gage*	1420	2	2840
	6-7355/12b	Band	120	3	360
	6-7355/12t	Total	1540	XX	3200
25	6-7355/10p	73" x 55" - 10 gage*	1700	2	3400
	6-7355/10b	Band	120	3	360
	6-7355/10t	Total	1820	XX	3760
26	6-8159/12p	81" x 59" - 12 gage*	1550	2	3100
	6-8159/12b	Band	130	3	390
	6-8159/12t	Total	1680	XX	3490
27	6-8159/10p	81" x 59" - 10 gage*	1875	2	3750
	6-8159/10b	Band	130	3	390
	6-8159/10t	Total	2005	XX	4140
28	6-8357/12p	83" x 57" - 12 gage*	1950	2	3900
	6-8357/12b	Band	130	3	360
	6-8357/12t	Total	2080	XX	4260
29	6-8357/10p	83" x 57" - 10 gage*	1875	2	3750
	6-8357/10b	Band	140	3	420
	6-8357/10t	Total	2015	XX	4170
30	6-8763/12p	87" x 63" - 12 gage*	1700	2	3400
	6-8763/12b	Band	150	3	450
	6-8763/12t	Total	1850	XX	3850

ITEM 6

Part 6p = Pipe - Aluminum coated (aluminized) steel culvert arch pipe (type II), reference sectionn 713.2 of the Standard Specs and AASHTO M36.

Pipe shall be in 20 foot sections. Unit Cost shall be per 20 foot sections.

Part 6b = Bands - Shall be the bands for the previous Pipe. Unit Cost shall be Each.

Part 6t = Total - Shall be the total cost for Part "p" and Part "b".

Line #	Item #	ITEM 6 Span x Rise	Unit Cost	Estimated Quantity	Extended Cost
31	6-8763/10p	87" x 63" - 10 gage*	2075	2	4150
	6-8763/10b	Band	150	3	450
	6-8763/10t	Total	2225	XX	4600
32	6-9567/12p	95" x 67" - 12 gage*	1825	2	3650
	6-9567/12b	Band	150	3	150
	6-9567/12t	Total	1975	XX	3800
33	6-9567/10p	95" x 67" - 10 gage*	2200	2	4400
	6-9567/10b	Band	150	3	150
	6-9567/10t	Total	2350	XX	4550
34	6-10371/12p	103" x 71" - 12 gage*	2100	2	4200
	6-10371/12b	Band	180	3	540
	6-10371/12t	Total	2280	XX	4740
35	6-10371/10p	103" x 71" - 10 gage*	2490	2	4980
	6-10371/10b	Band	180	3	180
	6-10371/10t	Total	2670	XX	5160
36	6-12883/12p	128" x 83" - 12 gage*	4000	2	8000
	6-12883/12b	Band	200	3	600
	6-12883/12t	Total	4200	XX	8600

* denotes 3"x1" or 5"x1" corrugation, per section 3.3.9 of the specifications

ITEM 7

Part 7p = Pipe - Corrugated aluminum alloy under-drain pipe (type III), perforated, reference section 713.16 of the Standard Specs.

Pipe shall be in 20 foot sections. Unit Cost shall be per 20 foot sections.

Part 7b = Bands - Shall be the bands for the previous Pipe. Unit Cost shall be Each.

Part 7t = Total - Shall be the total cost for Part "p" and Part "b".

Line #	Item #	ITEM 7		Estimated Quantity	Extended Cost
		Size	Unit Cost		
1	7-6/16p	6" - 16 gage	180.00	2	360.00
	7-6/16b	Band	9.00	3	27.00
	7-6/16t	Total	189.00	XX	387.00

ITEM 8

- Part 8a - Three-Sided Shell and Full Aluminum Inverts, reference section 713.18 of the Standard Specs. Unit Cost shall be per one foot (1ft) sections.
- Part 8b - Aluminum Accessories to be used with previous Shell and Invert. Unit Cost shall be Each.
- Part 8t - Shall be the total cost for all of Part "a" and Part "b".

		ITEM 8		Estimated	Extended
Line #	Item #	Span x Rise	Unit Cost	Quantity	Cost
1	8-892614a	8'9" x 2'6" 1.4' Cover 3-Sided Shell	174	2	348
	8-892620a	8'9" x 2'6" 2.0' Cover 3-Sided Shell	174	2	348
	8-892630a	8'9" x 2'6" 3.0' Cover 3-Sided Shell	174	2	348
	8-8926Ala	8'9" x 2'6" Full Aluminum Invert	102	2	204
	8-89Hb	8'9" Headwall	1229	1	1229
	8-89CPb	8'9" Corner Panel	681	1	681
	8-89WPb	8'9" Additional Wing Panel	562	1	532
	8-89t	Total	3096	XX	3690
	2	8-923314a	9'2" x 3'3" 1.4' Cover 3-Sided Shell	202	2
8-923320a		9'2" x 3'3" 2.0' Cover 3-Sided Shell	202	2	404
8-923330a		9'2" x 3'3" 3.0' Cover 3-Sided Shell	202	2	404
8-9233Ala		9'2" x 3'3" Full Aluminum Invert	102	2	204
8-92Hb		9'2" Headwall	1327	1	1327
8-92CPb		9'2" Corner Panel	735	1	735
8-92WPb		9'2" Additional Wing Panel	602	1	602
8-92t		Total	3372	XX	4080
3		8-974114a	9'7" x 4'1" 1.4' Cover 3-Sided Shell	216	2
	8-974120a	9'7" x 4'1" 2.0' Cover 3-Sided Shell	216	2	432
	8-974130a	9'7" x 4'1" 3.0' Cover 3-Sided Shell	216	2	432
	8-9741Ala	9'7" x 4'1" Full Aluminum Invert	108	2	216
	8-97Hb	9'7" Headwall	1426	1	1426
	8-97CPb	9'7" Corner Panel	789	1	789
	8-97WPb	9'7" Additional Wing Panel	642	1	642
	8-97t	Total	3613	XX	4369
	4	8-10041014a	10'0" x 4'10" 1.4' Cover 3-Sided Shell	231	2
8-10041020a		10'0" x 4'10" 2.0' Cover 3-Sided Shell	231	2	462
8-10041030a		10'0" x 4'10" 3.0' Cover 3-Sided Shell	231	2	462
8-100410Ala		10'0" x 4'10" Full Aluminum Invert	108	2	216
8-100Hb		10'0" Headwall	1525	1	1525
8-100CPb		10'0" Corner Panel	843	1	843
8-100WPb		10'0" Additional Wing Panel	682	1	682
8-100t		Total	3851	XX	4652
5		8-1022814a	10'2" x 2'8" 1.4' Cover 3-Sided Shell	239	2
	8-1022820a	10'2" x 2'8" 2.0' Cover 3-Sided Shell	215	2	430
	8-1022830a	10'2" x 2'8" 3.0' Cover 3-Sided Shell	215	2	430
	8-10228Ala	10'2" x 2'8" Full Aluminum Invert	114	2	228
	8-102Hb	10'2" Headwall	1393	1	1393
	8-102CPb	10'2" Corner Panel	735	1	735
	8-102WPb	10'2" Additional Wing Panel	602	1	602
	8-102t	Total	3513	XX	4296

ITEM 8

- Part 8a - Three-Sided Shell and Full Aluminum Inverts, reference section 713.18 of the Standard Specs. Unit Cost shall be per one foot (1ft) sections.
- Part 8b - Aluminum Accessories to be used with previous Shell and Invert. Unit Cost shall be Each.
- Part 8t - Shall be the total cost for all of Part "a" and Part "b".

Line #	Item #	ITEM 8		Estimated Quantity	Extended Cost
		Span x Rise	Unit Cost		
6	8-1065714a	10'6" x 5'7" 1.4' Cover 3-Sided Shell	277	2	554
	8-1065720a	10'6" x 5'7" 2.0' Cover 3-Sided Shell	246	2	492
	8-1065730a	10'6" x 5'7" 3.0' Cover 3-Sided Shell	246	2	492
	8-10657Ala	10'6" x 5'7" Full Aluminum Invert	114	2	228
	8-106Hb	10'6" Headwall	1624	1	1624
	8-106CPb	10'6" Corner Panel	897	1	897
	8-106WPb	10'6" Additional Wing Panel	722	1	722
	8-106t	Total		4126	XX
7	8-1073514a	10'7" x 3'5" 1.4' Cover 3-Sided Shell	259	2	518
	8-1073520a	10'7" x 3'5" 2.0' Cover 3-Sided Shell	232	2	464
	8-1073530a	10'7" x 3'5" 3.0' Cover 3-Sided Shell	232	2	464
	8-10735Ala	10'7" x 3'5" Full Aluminum Invert	114	2	228
	8-107Hb	10'7" Headwall	1496	1	1496
	8-107CPb	10'7" Corner Panel	789	1	789
	8-107WPb	10'7" Additional Wing Panel	642	1	642
	8-107t	Total		3764	XX
8	8-10114314a	10'11" x 4'3" 1.4' Cover 3-Sided Shell	276	2	552
	8-10114320a	10'11" x 4'3" 2.0' Cover 3-Sided Shell	246	2	552
	8-10114330a	10'11" x 4'3" 3.0' Cover 3-Sided Shell	246	2	552
	8-101143Ala	10'11" x 4'3" Full Aluminum Invert	120	2	240
	8-1011Hb	10'11" Headwall	1600	1	1600
	8-1011CPb	10'11" Corner Panel	843	1	843
	8-1011WPb	10'11" Additional Wing Panel	682	1	682
	8-1011t	Total		4013	XX
9	8-10116414a	10'11" x 6'4" 1.4' Cover 3-Sided Shell	294	2	588
	8-10116420a	10'11" x 6'4" 2.0' Cover 3-Sided Shell	261	2	522
	8-10116430a	10'11" x 6'4" 3.0' Cover 3-Sided Shell	261	2	522
	8-101164Ala	10'11" x 6'4" Full Aluminum Invert	120	2	240
	8-1011Hb	10'11" Headwall	1723	1	1723
	8-1011CPb	10'11" Corner Panel	951	1	951
	8-1011WPb	10'11" Additional Wing Panel	762	1	762
	8-1011t	Total		4372	XX
10	8-1145014a	11'4" x 5'0" 1.4' Cover 3-Sided Shell	316	2	632
	8-1145020a	11'4" x 5'0" 2.0' Cover 3-Sided Shell	294	2	588
	8-1145030a	11'4" x 5'0" 3.0' Cover 3-Sided Shell	294	2	588
	8-11450Ala	11'4" x 5'0" Full Aluminum Invert	120	2	240
	8-114Hb	11'4" Headwall	1748	1	1748
	8-114CPb	11'4" Corner Panel	880	1	880
	8-114WPb	11'4" Additional Wing Panel	719	1	719
	8-114t	Total		4371	XX
11	8-1147214a	11'4" x 7'2" 1.4' Cover 3-Sided Shell	315	2	630
	8-1147220a	11'4" x 7'2" 2.0' Cover 3-Sided Shell	315	2	630
	8-1147230a	11'4" x 7'2" 3.0' Cover 3-Sided Shell	315	2	630
	8-11472Ala	11'4" x 7'2" Full Aluminum Invert	120	2	240
	8-114Hb	11'4" Headwall	1822	1	1822
	8-114CPb	11'4" Corner Panel	1005	1	1005
	8-114WPb	11'4" Additional Wing Panel	803	1	803

ITEM 8

- Part 8a - Three-Sided Shell and Full Aluminum Inverts, reference section 713.18 of the Standard Specs. Unit Cost shall be per one foot (1ft) sections.
- Part 8b - Aluminum Accessories to be used with previous Shell and Invert. Unit Cost shall be Each.
- Part 8t - Shall be the total cost for all of Part "a" and Part "b".

Line #	Item #	ITEM 8 Span x Rise	Unit Cost	Estimated Quantity	Extended Cost
	8-114t	Total	4695	XX	5760

ITEM 8

- Part 8a - Three-Sided Shell and Full Aluminum Inverts, reference section 713.18 of the Standard Specs. Unit Cost shall be per one foot (1ft) sections.
- Part 8b - Aluminum Accessories to be used with previous Shell and Invert. Unit Cost shall be Each.
- Part 8t - Shall be the total cost for all of Part "a" and Part "b".

Line #	Item #	ITEM 8 Span x Rise	Unit Cost	Estimated Quantity	Extended Cost
12	8-11721014a	11'7" x 2'10" 1.4' Cover 3-Sided Shell	304	2	608
	8-11721020a	11'7" x 2'10" 2.0' Cover 3-Sided Shell	272	2	544
	8-11721030a	11'7" x 2'10" 3.0' Cover 3-Sided Shell	272	2	544
	8-117210Ala	11'7" x 2'10" Full Aluminum Invert	120	2	240
	8-117Hb	11'7" Headwall	1445	1	1445
	8-117CPb	11'7" Corner Panel	735	1	735
	8-117WPb	11'7" Additional Wing Panel	602	1	602
	8-117t	Total	3750	XX	4718
13	8-1185914a	11'8" x 5'9" 1.4' Cover 3-Sided Shell	331	2	662
	8-1185920a	11'8" x 5'9" 2.0' Cover 3-Sided Shell	312	2	624
	8-1185930a	11'8" x 5'9" 3.0' Cover 3-Sided Shell	312	2	624
	8-11859Ala	11'8" x 5'9" Full Aluminum Invert	126	2	252
	8-118Hb	11'8" Headwall	1843	1	1843
	8-118CPb	11'8" Corner Panel	931	1	931
	8-118WPb	11'8" Additional Wing Panel	757	1	757
	8-118t	Total	4612	XX	5693
14	8-11113714a	11'11" x 3'7" 1.4' Cover 3-Sided Shell	322	2	644
	8-11113720a	11'11" x 3'7" 2.0' Cover 3-Sided Shell	292	2	584
	8-11113730a	11'11" x 3'7" 3.0' Cover 3-Sided Shell	292	2	584
	8-111137Ala	11'11" x 3'7" Full Aluminum Invert	126	2	252
	8-1111Hb	11'11" Headwall	1545	1	1545
	8-1111CPb	11'11" Corner Panel	789	1	789
	8-1111WPb	11'11" Additional Wing Panel	642	1	642
	8-1111t	Total	4008	XX	5040
15	8-1216714a	12'1" x 6'7" 1.4' Cover 3-Sided Shell	346	2	692
	8-1216720a	12'1" x 6'7" 2.0' Cover 3-Sided Shell	325	2	650
	8-1216730a	12'1" x 6'7" 3.0' Cover 3-Sided Shell	325	2	650
	8-12167Ala	12'1" x 6'7" Full Aluminum Invert	126	2	252
	8-121Hb	12'1" Headwall	1957	1	1957
	8-121CPb	12'1" Corner Panel	989	1	989
	8-121WPb	12'1" Additional Wing Panel	800	1	800
	8-121t	Total	4868	XX	5990
16	8-1234514a	12'3" x 4'5" 1.4' Cover 3-Sided Shell	343	2	686
	8-1234520a	12'3" x 4'5" 2.0' Cover 3-Sided Shell	309	2	618
	8-1234530a	12'3" x 4'5" 3.0' Cover 3-Sided Shell	309	2	618
	8-12345Ala	12'3" x 4'5" 1.4' Full Aluminium Invert	126	2	252
	8-123Hb	12'3" Headwall	1644	1	1644
	8-123CPb	12'3" Corner Panel	843	1	843
	8-123WPb	12'3" Additional Wing Panel	682	1	682
	8-1230t	Total	4256	XX	5343
17	8-1257414a	12'5" x 7'4" 1.4' Cover 3-Sided Shell	393	2	786
	8-1257420a	12'5" x 7'4" 2.0' Cover 3-Sided Shell	361	2	722
	8-1257430a	12'5" x 7'4" 3.0' Cover 3-Sided Shell	361	2	722
	8-12574Ala	12'5" x 7'4" Full Aluminum Invert	126	2	252
	8-125Hb	12'5" Headwall	2062	1	2062
	8-125CPb	12'5" Corner Panel	1043	1	1043
	8-125WPb	12'5" Additional Wing Panel	840	1	840

ITEM 8

- Part 8a - Three-Sided Shell and Full Aluminum Inverts, reference section 713.18 of the Standard Specs. Unit Cost shall be per one foot (1ft) sections.
- Part 8b - Aluminum Accessories to be used with previous Shell and Invert. Unit Cost shall be Each.
- Part 8t - Shall be the total cost for all of Part "a" and Part "b".

Line #	Item #	ITEM 8 Span x Rise	Unit Cost	Estimated Quantity	Extended Cost
	8-125t	Total	5186	XX	6427

ITEM 8

- Part 8a - Three-Sided Shell and Full Aluminum Inverts, reference section 713.18 of the Standard Specs. Unit Cost shall be per one foot (1ft) sections.
- Part 8b - Aluminum Accessories to be used with previous Shell and Invert. Unit Cost shall be Each.
- Part 8t - Shall be the total cost for all of Part "a" and Part "b".

Line #	Item #	ITEM 8 Span x Rise	Unit Cost	Estimated Quantity	Extended Cost
18	8-1275214a	12'7" x 5'2" 1.4' Cover 3-Sided Shell	394	2	788
	8-1275220a	12'7" x 5'2" 2.0' Cover 3-Sided Shell	361	2	722
	8-1275230a	12'7" x 5'2" 3.0' Cover 3-Sided Shell	361	2	722
	8-12752Ala	12'7" x 5'2" Full Aluminum Invert	132	2	264
	8-127Hb	12'7" Headwall	1743	1	1743
	8-127CPb	12'7" Corner Panel	897	1	897
	8-127WPb	12'7" Additional Wing Panel	722	1	722
	8-127t	Total	4610	XX	5858
19	8-12116014a	12'11" x 6'0" 1.4' Cover 3-Sided Shell	409	2	818
	8-12116020a	12'11" x 6'0" 2.0' Cover 3-Sided Shell	378	2	756
	8-12116030a	12'11" x 6'0" 3.0' Cover 3-Sided Shell	378	2	756
	8-121160Ala	12'11" x 6'0" Full Aluminum Invert	132	2	264
	8-1211Hb	12'11" Headwall	1842	1	1842
	8-1211CPb	12'11" Corner Panel	951	1	951
	8-1211WPb	12'11" Additional Wing Panel	762	1	762
	8-1211t	Total	4852	XX	6149
20	8-1303014a	13'0" x 3'0" 1.4' Cover 3-Sided Shell	367	2	734
	8-1303020a	13'0" x 3'0" 2.0' Cover 3-Sided Shell	335	2	670
	8-1303030a	13'0" x 3'0" 3.0' Cover 3-Sided Shell	335	2	670
	8-13030Ala	13'0" x 3'0" Full Aluminum Invert	132	2	264
	8-130Hb	13'0" Headwall	1497	1	1497
	8-130CPb	13'0" Corner Panel	735	1	735
	8-130WPb	13'0" Additional Wing Panel	602	1	602
	8-130t	Total	4003	XX	5172
21	8-1336914a	13'3" x 6'9" 1.4' Cover 3-Sided Shell	425	2	850
	8-1336920a	13'3" x 6'9" 2.0' Cover 3-Sided Shell	396	2	792
	8-1336930a	13'3" x 6'9" 3.0' Cover 3-Sided Shell	396	2	792
	8-13369Ala	13'3" x 6'9" Full Aluminum Invert	138	2	276
	8-133Hb	13'3" Headwall	1941	1	1941
	8-133CPb	13'3" Corner Panel	1005	1	1005
	8-133WPb	13'3" Additional Wing Panel	802	1	802
	8-133t	Total	5103	XX	6458
22	8-13431014a	13'4" x 3'10" 1.4' Cover 3-Sided Shell	413	2	826
	8-13431020a	13'4" x 3'10" 2.0' Cover 3-Sided Shell	360	2	720
	8-13431030a	13'4" x 3'10" 3.0' Cover 3-Sided Shell	360	2	720
	8-134310Ala	13'4" x 3'10" Full Aluminum Invert	138	2	276
	8-134Hb	13'4" Headwall	1596	1	1596
	8-134CPb	13'4" Corner Panel	789	1	789
	8-134WPb	13'4" Additional Wing Panel	642	1	642
	8-134t	Total	4298	XX	5569
23	8-1374714a	13'7" x 4'7" 1.4' Cover 3-Sided Shell	430	2	860
	8-1374720a	13'7" x 4'7" 2.0' Cover 3-Sided Shell	412	2	824
	8-1374730a	13'7" x 4'7" 3.0' Cover 3-Sided Shell	412	2	824
	8-13747Ala	13'7" x 4'7" Full Aluminum Invert	138	2	276
	8-137Hb	13'7" Headwall	1695	1	1695
	8-137CPb	13'7" Corner Panel	843	1	843
	8-137WPb	13'7" Additional Wing Panel	682	1	682

ITEM 8

- Part 8a - Three-Sided Shell and Full Aluminum Inverts, reference section 713.18 of the Standard Specs. Unit Cost shall be per one foot (1ft) sections.
- Part 8b - Aluminum Accessories to be used with previous Shell and Invert. Unit Cost shall be Each.
- Part 8t - Shall be the total cost for all of Part "a" and Part "b".

Line #	Item #	ITEM 8 Span x Rise	Unit Cost	Estimated Quantity	Extended Cost
	8-137t	Total	4612	XX	6004

ITEM 8

Part 8a - Three-Sided Shell and Full Aluminum Inverts, reference section 713.18 of the Standard Specs. Unit Cost shall be per one foot (1ft) sections.

Part 8b - Aluminum Accessories to be used with previous Shell and Invert. Unit Cost shall be Each.

Part 8t - Shall be the total cost for all of Part "a" and Part "b".

Line #	Item #	ITEM 8 Span x Rise	Unit Cost	Estimated Quantity	Extended Cost
24	8-13105514a	13'10" x 5'5" 1.4' Cover 3-Sided Shell	448	2	896
	8-13105520a	13'10" x 5'5" 2.0' Cover 3-Sided Shell	441	2	882
	8-13105530a	13'10" x 5'5" 3.0' Cover 3-Sided Shell	441	2	882
	8-131055Ala	13'10" x 5'5" Full Aluminum Invert	138	2	276
	8-1310Hb	13'10" Headwall	1794	1	1794
	8-1310CPb	13'10" Corner Panel	897	1	897
	8-1310WPb	13'10" Additional Wing Panel	722	1	722
	8-1310t	Total	4881	XX	6349
25	8-1416214a	14'1" x 6'2" 1.4' Cover 3-Sided Shell	488	2	976
	8-1416220a	14'1" x 6'2" 2.0' Cover 3-Sided Shell	456	2	912
	8-1416230a	14'1" x 6'2" 3.0' Cover 3-Sided Shell	456	2	912
	8-14162Ala	14'1" x 6'2" Full Aluminium Invert	151	2	302
	8-141Hb	14'1" Headwall	1893	1	1893
	8-141CPb	14'1" Corner Panel	951	1	951
	8-141WPb	14'1" Additional Wing Panel	762	1	762
	8-141t	Total	5157	XX	6708
26	8-1453314a	14'5" x 3'3" 1.4' Cover 3-Sided Shell	463	2	926
	8-1453320a	14'5" x 3'3" 2.0' Cover 3-Sided Shell	431	2	862
	8-1453330a	14'5" x 3'3" 3.0' Cover 3-Sided Shell	431	2	862
	8-14533Ala	14'5" x 3'3" Full Aluminum Invert	180	2	360
	8-145Hb	14'5" Headwall	1596	1	1596
	8-145CPb	14'5" Corner Panel	735	1	735
	8-145WPb	14'5" Additional Wing Panel	602	1	602
	8-145t	Total	4438	XX	5943
27	8-1484114a	14'8" x 4'1" 1.4' Cover 3-Sided Shell	493	2	986
	8-1484120a	14'8" x 4'1" 2.0' Cover 3-Sided Shell	449	2	898
	8-1484130a	14'8" x 4'1" 3.0' Cover 3-Sided Shell	449	2	898
	8-14841Ala	14'8" x 4'1" Full Aluminum Invert	180	2	360
	8-148Hb	14'8" Headwall	1699	1	1699
	8-148CPb	14'8" Corner Panel	789	1	789
	8-148WPb	14'8" Additional Wing Panel	642	1	642
	8-148t	Total	4701	XX	6272
28	8-141041014a	14'10" x 4'10" 1.4' Cover 3-Sided Shell	518	2	1036
	8-141041020a	14'10" x 4'10" 2.0' Cover 3-Sided Shell	482	2	964
	8-141041030a	14'10" x 4'10" 3.0' Cover 3-Sided Shell	482	2	964
	8-1410410Ala	14'10" x 4'10" Full Aluminum Invert	180	2	360
	8-1410Hb	14'10" Headwall	1804	1	1804
	8-1410CPb	14'10" Corner Panel	843	1	843
	8-1410WPb	14'10" Additional Wing Panel	682	1	682
	8-1410t	Total	4991	XX	6653
29	8-1515814a	15'1" x 5'8" 1.4' Cover 3-Sided Shell	533	2	1066
	8-1515820a	15'1" x 5'8" 2.0' Cover 3-Sided Shell	509	2	1018
	8-1515830a	15'1" x 5'8" 3.0' Cover 3-Sided Shell	509	2	1018
	8-15158Ala	15'1" x 5'8" Full Aluminum Invert	186	2	372
	8-151Hb	15'1" Headwall	1910	1	1910
	8-151CPb	15'1" Corner Panel	897	1	897
	8-151WPb	15'1" Additional Wing Panel	722	1	722

ITEM 8

- Part 8a - Three-Sided Shell and Full Aluminum Inverts, reference section 713.18 of the Standard Specs. Unit Cost shall be per one foot (1ft) sections.
- Part 8b - Aluminum Assessories to be used with previous Shell and Invert. Unit Cost shall be Each.
- Part 8t - Shall be the total cost for all of Part "a" and Part "b".

Line #	Item #	ITEM 8 Span x Rise	Unit Cost	Estimated Quantity	Extended Cost
	8-15ft	Total	5266	XX	

ITEM 8

- Part 8a - Three-Sided Shell and Full Aluminum Inverts, reference section 713.18 of the Standard Specs. Unit Cost shall be per one foot (1ft) sections.
- Part 8b - Aluminum Accessories to be used with previous Shell and Invert. Unit Cost shall be Each.
- Part 8t - Shall be the total cost for all of Part "a" and Part "b".

Line #	Item #	ITEM 8 Span x Rise	Unit Cost	Estimated Quantity	Extended Cost
30	8-1546514a	15'4" x 6'5" 1.4' Cover 3-Sided Shell	569	2	1138
	8-1546520a	15'4" x 6'5" 2.0' Cover 3-Sided Shell	524	2	1048
	8-1546530a	15'4" x 6'5" 3.0' Cover 3-Sided Shell	524	2	1048
	8-15465Ala	15'4" x 6'5" Full Aluminum Invert	186	2	372
	8-154Hb	15'4" Headwall	2015	1	2015
	8-154CPb	15'4" Corner Panel	951	1	951
	8-154WPb	15'4" Additional Wing Panel	763	1	763
	8-154t	Total	5532	XX	7335
31	8-1567314a	15'6" x 7'3" 1.4' Cover 3-Sided Shell	599	2	1198
	8-1567320a	15'6" x 7'3" 2.0' Cover 3-Sided Shell	539	2	1078
	8-1567330a	15'6" x 7'3" 3.0' Cover 3-Sided Shell	539	2	1078
	8-15673Ala	15'6" x 7'3" Full Aluminum Invert	186	2	372
	8-156Hb	15'6" Headwall	2120	1	2120
	8-156CPb	15'6" Corner Panel	1005	1	1005
	8-156WPb	15'6" Additional Wing Panel	802	1	802
	8-156t	Total	5790	XX	7653
32	8-1598014a	15'9" x 8'0" 1.4' Cover 3-Sided Shell	610	2	1220
	8-1598020a	15'9" x 8'0" 2.0' Cover 3-Sided Shell	586	2	1172
	8-1598030a	15'9" x 8'0" 3.0' Cover 3-Sided Shell	586	2	1172
	8-15980Ala	15'9" x 8'0" Full Aluminum Invert	192	2	384
	8-159Hb	15'9" Headwall	2225	1	2225
	8-159CPb	15'9" Corner Panel	1059	1	1059
	8-159WPb	15'9" Additional Wing Panel	842	1	842
	8-159t	Total	6100	XX	8074
33	8-15103614a	15'10" x 3'6" 1.4' Cover 3-Sided Shell	561	2	1122
	8-15103620a	15'10" x 3'6" 2.0' Cover 3-Sided Shell	517	2	1034
	8-15103630a	15'10" x 3'6" 3.0' Cover 3-Sided Shell	517	2	1034
	8-151036Ala	15'10" x 3'6" Full Aluminum Invert	192	2	384
	8-1510Hb	15'10" Headwall	1721	1	1721
	8-1510CPb	15'10" Corner Panel	789	1	789
	8-1510WPb	15'10" Additional Wing Panel	642	1	642
	8-1510t	Total	4939	XX	6726
34	8-1604314a	16'0" x 4'3" 1.4' Cover 3-Sided Shell	599	2	1198
	8-1604320a	16'0" x 4'3" 2.0' Cover 3-Sided Shell	554	2	1108
	8-1604330a	16'0" x 4'3" 3.0' Cover 3-Sided Shell	554	2	1108
	8-16043Ala	16'0" x 4'3" Full Aluminum Invert	192	2	384
	8-160Hb	16'0" Headwall	1820	1	1820
	8-160CPb	16'0" Corner Panel	843	1	843
	8-160WPb	16'0" Additional Wing Panel	682	1	682
	8-160t	Total	5244	XX	7143
35	8-1625114a	16'2" x 5'1" 1.4' Cover 3-Sided Shell	614	2	1228
	8-1625120a	16'2" x 5'1" 2.0' Cover 3-Sided Shell	571	2	1142
	8-1625130a	16'2" x 5'1" 3.0' Cover 3-Sided Shell	571	2	1142
	8-16251Ala	16'2" x 5'1" Full Aluminum Invert	192	2	384
	8-162Hb	16'2" Headwall	1919	1	1919
	8-162CPb	16'2" Corner Panel	897	1	897
	8-162WPb	16'2" Additional Wing Panel	722	1	722

ITEM 8

- Part 8a - Three-Sided Shell and Full Aluminum Inverts, reference section 713.18 of the Standard Specs. Unit Cost shall be per one foot (1ft) sections.
- Part 8b - Aluminum Accessories to be used with previous Shell and Invert. Unit Cost shall be Each.
- Part 8t - Shall be the total cost for all of Part "a" and Part "b".

Line #	Item #	ITEM 8 Span x Rise	Unit Cost	Estimated Quantity	Extended Cost
	8-162t	Total	5486	XX	7434

ITEM 8

- Part 8a - Three-Sided Shell and Full Aluminum Inverts, reference section 713.18 of the Standard Specs. Unit Cost shall be per one foot (ft) sections.
- Part 8b - Aluminum Accessories to be used with previous Shell and invert. Unit Cost shall be Each.
- Part 8t - Shall be the total cost for all of Part "a" and Part "b".

Line #	Item #	ITEM 8		Estimated Quantity	Extended Cost
		Span x Rise	Unit Cost		
36	8-1645114a	16'4" x 5'11" 1.4' Cover 3-Sided Shell	645	2	1290
	8-16451120a	16'4" x 5'11" 2.0' Cover 3-Sided Shell	588	2	1176
	8-16451130a	16'4" x 5'11" 3.0' Cover 3-Sided Shell	588	2	1176
	8-164511A1a	16'4" x 5'11" Full Aluminium Invert	192	2	384
	8-164Hb	16'4" Headwall	2018	1	2018
	8-164CPb	16'4" Corner Panel	951	1	951
	8-164WPb	16'4" Additional Wing Panel	762	1	762
	8-164t	Total	5744	XX	7757
	37	8-1666814a	16'6" x 6'8" 1.4' Cover 3-Sided Shell	686	2
8-1666820a		16'6" x 6'8" 2.0' Cover 3-Sided Shell	618	2	1236
8-1666830a		16'6" x 6'8" 3.0' Cover 3-Sided Shell	618	2	1236
8-16668A1a		16'6" x 6'8" Full Aluminum Invert	198	2	396
8-166Hb		16'6" Headwall	2117	1	2117
8-166CPb		16'6" Corner Panel	1005	1	1005
8-166WPb		16'6" Additional Wing Panel	803	1	803
8-166t		Total	6045	XX	8165
38		8-1687614a	16'8" x 7'6" 1.4' Cover 3-Sided Shell	712	2
	8-1687620a	16'8" x 7'6" 2.0' Cover 3-Sided Shell	636	2	1272
	8-1687630a	16'8" x 7'6" 3.0' Cover 3-Sided Shell	636	2	1272
	8-16876A1a	16'8" x 7'6" Full Aluminum Invert	198	2	396
	8-168Hb	16'8" Headwall	2216	1	2216
	8-168CPb	16'8" Corner Panel	1059	1	1059
	8-168WPb	16'8" Additional Wing Panel	842	1	842
	8-168t	Total	6299	XX	8481
	39	8-16108314a	16'10" x 8'3" 1.4' Cover 3-Sided Shell	739	2
8-16108320a		16'10" x 8'3" 2.0' Cover 3-Sided Shell	657	2	1314
8-16108330a		16'10" x 8'3" 3.0' Cover 3-Sided Shell	657	2	1314
8-161083A1a		16'10" x 8'3" Full Aluminum Invert	198	2	396
8-1610Hb		16'10" Headwall	2315	1	2315
8-1610CPb		16'10" Corner Panel	1321	1	1321
8-1610WPb		16'10" Additional Wing Panel	985	1	985
8-1610t		Total	6872	XX	9123
40		8-17931014a	17'9" x 3'10" 1.4' Cover 3-Sided Shell	652	2
	8-17931020a	17'9" x 3'10" 2.0' Cover 3-Sided Shell	604	2	1208
	8-17931030a	17'9" x 3'10" 3.0' Cover 3-Sided Shell	604	2	1208
	8-179310A1a	17'9" x 3'10" Full Aluminum Invert	216	2	432
	8-179Hb	17'9" Headwall	1864	1	1864
	8-179CPb	17'9" Corner Panel	789	1	789
	8-179WPb	17'9" Additional Wing Panel	642	1	642
	8-179t	Total	5371	XX	7447
	41	8-1824714a	18'2" x 4'7" 1.4' Cover 3-Sided Shell	695	2
8-1824720a		18'2" x 4'7" 2.0' Cover 3-Sided Shell	653	2	1306
8-1824730a		18'2" x 4'7" 3.0' Cover 3-Sided Shell	653	2	1306
8-18247A1a		18'2" x 4'7" Full Aluminum Invert	222	2	444
8-182Hb		18'2" Headwall	1989	1	1989
8-182CPb		18'2" Corner Panel	843	1	843
8-182WPb		18'2" Additional Wing Panel	682	1	682

ITEM 8

- Part 8a - Three-Sided Shell and Full Aluminum Inverts, reference section 713.18 of the Standard Specs. Unit Cost shall be per one foot (1ft) sections.
- Part 8b - Aluminum Accessories to be used with previous Shell and Invert. Unit Cost shall be Each.
- Part 8t - Shall be the total cost for all of Part "a" and Part "b".

Line #	Item #	ITEM 8 Span x Rise	Unit Cost	Estimated Quantity	Extended Cost
	8-182t	Total	5737	XX	7960

ITEM 8

- Part 8a -** Three-Sided Shell and Full Aluminum Inverts, reference section 713.18 of the Standard Specs. Unit Cost shall be per one foot (1ft) sections.
- Part 8b -** Aluminum Accessories to be used with previous Shell and Invert. Unit Cost shall be Each.
- Part 8t -** Shall be the total cost for all of Part "a" and Part "b".

Line #	Item #	ITEM 8		Estimated Quantity	Extended Cost
		Span x Rise	Unit Cost		
42	8-1875414a	18'7" x 5'4" 1.4' Cover 3-Sided Shell	740	2	1440
	8-1875420a	18'7" x 5'4" 2.0' Cover 3-Sided Shell	680	2	1360
	8-1875430a	18'7" x 5'4" 3.0' Cover 3-Sided Shell	680	2	1360
	8-18754A1a	18'7" x 5'4" Full Aluminum Invert	222	2	444
	8-187Hb	18'7" Headwall	2073	1	2073
	8-187CPb	18'7" Corner Panel	897	1	897
	8-187WPb	18'7" Additional Wing Panel	722	1	722
	8-187t	Total		6014	XX
43	8-1906114a	19'0" x 6'1" 1.4' Cover 3-Sided Shell	781	2	1562
	8-1906120a	19'0" x 6'1" 2.0' Cover 3-Sided Shell	713	2	1426
	8-1906130a	19'0" x 6'1" 3.0' Cover 3-Sided Shell	713	2	1426
	8-19061A1a	19'0" x 6'1" Full Aluminum Invert	228	2	556
	8-190Hb	19'0" Headwall	2177	1	2177
	8-190CPb	19'0" Corner Panel	951	1	951
	8-190WPb	19'0" Additional Wing Panel	762	1	762
	8-190t	Total		6325	XX
44	8-1914214a	19'1" x 4'2" 1.4' Cover 3-Sided Shell	770	2	1540
	8-1914220a	19'1" x 4'2" 2.0' Cover 3-Sided Shell	704	2	1408
	8-1914230a	19'1" x 4'2" 3.0' Cover 3-Sided Shell	704	2	1408
	8-19142A1a	19'1" x 4'2" Full Aluminum Invert	228	2	556
	8-191Hb	19'1" Headwall	2061	1	2061
	8-191CPb	19'1" Corner Panel	843	1	843
	8-191WPb	19'1" Additional Wing Panel	682	1	682
	8-191t	Total		5992	XX
45	8-19541114a	19'5" x 4'11" 1.4' Cover 3-Sided Shell	813	2	1626
	8-19541120a	19'5" x 4'11" 2.0' Cover 3-Sided Shell	750	2	1500
	8-19541130a	19'5" x 4'11" 3.0' Cover 3-Sided Shell	750	2	1500
	8-195411A1a	19'5" x 4'11" Full Aluminum Invert	228	2	556
	8-195Hb	19'5" Headwall	2173	1	2173
	8-195CPb	19'5" Corner Panel	897	1	897
	8-195WPb	19'5" Additional Wing Panel	722	1	722
	8-195t	Total		6333	XX
46	8-19561114a	19'5" x 6'11" 1.4' Cover 3-Sided Shell	803	2	1606
	8-19561120a	19'5" x 6'11" 2.0' Cover 3-Sided Shell	745	2	1490
	8-19561130a	19'5" x 6'11" 3.0' Cover 3-Sided Shell	745	2	1490
	8-195611A1a	19'5" x 6'11" Full Aluminum Invert	228	2	556
	8-195Hb	19'5" Headwall	2282	1	2282
	8-195CPb	19'5" Corner Panel	1005	1	1005
	8-195WPb	19'5" Additional Wing Panel	802	1	802
	8-195t	Total		6610	XX
47	8-1995814a	19'9" x 5'8" 1.4' Cover 3-Sided Shell	729	2	1458
	8-1995820a	19'9" x 5'8" 2.0' Cover 3-Sided Shell	786	2	1572
	8-1995830a	19'9" x 5'8" 3.0' Cover 3-Sided Shell	786	2	1572
	8-19958A1a	19'9" x 5'8" Full Aluminum Invert	234	2	468
	8-199Hb	19'9" Headwall	2284	1	2284
	8-199CPb	19'9" Corner Panel	951	1	951
	8-199WPb	19'9" Additional Wing Panel	762	1	762

ITEM 8

- Part 8a - Three-Sided Shell and Full Aluminum Inverts, reference section 713.18 of the Standard Specs. Unit Cost shall be per one foot (1ft) sections.
- Part 8b - Aluminum Accessories to be used with previous Shell and Invert. Unit Cost shall be Each.
- Part 8t - Shall be the total cost for all of Part "a" and Part "b".

Line #	Item #	ITEM 8 Span x Rise	Unit Cost	Estimated Quantity	Extended Cost
	8-199t	Total	6532	XX	9067

ITEM 8

Part 8a - Three-Sided Shell and Full Aluminum Inverts, reference section 713.18 of the Standard Specs. Unit Cost shall be per one foot (1ft) sections.

Part 8b - Aluminum Accessories to be used with previous Shell and Invert. Unit Cost shall be Each.

Part 8t - Shall be the total cost for all of Part "a" and Part "b".

Line #	Item #	ITEM 8		Estimated Quantity	Extended Cost
		Span x Rise	Unit Cost		
48	8-19107814a	19'10" x 7'8" 1.4' Cover 3-Sided Shell	833	2	1666
	8-19107820a	19'10" x 7'8" 2.0' Cover 3-Sided Shell	802	2	1604
	8-19107830a	19'10" x 7'8" 3.0' Cover 3-Sided Shell	802	2	1604
	8-191078Ala	19'10" x 7'8" Full Aluminum Invert	234	2	468
	8-1910Hb	19'10" Headwall	2386	1	2386
	8-1910CPb	19'10" Corner Panel	1059	1	1059
	8-1910WPb	19'10" Additional Wing Panel	842	1	842
	8-1910t	Total	6958	XX	9629
	49	8-2016614a	20'1" x 6'6" 1.4' Cover 3-Sided Shell	765	2
8-2016620a		20'1" x 6'6" 2.0' Cover 3-Sided Shell	813	2	1626
8-2016630a		20'1" x 6'6" 3.0' Cover 3-Sided Shell	813	2	1626
8-20166Ala		20'1" x 6'6" Full Aluminum Invert	234	2	468
8-201Hb		20'1" Headwall	2395	1	2395
8-201CPb		20'1" Corner Panel	1005	1	1005
8-201WPb		20'1" Additional Wing Panel	803	1	803
8-201t		Total	6828	XX	9453
50		8-2038514a	20'3" x 8'5" 1.4' Cover 3-Sided Shell	848	2
	8-2038520a	20'3" x 8'5" 2.0' Cover 3-Sided Shell	833	2	1666
	8-2038530a	20'3" x 8'5" 3.0' Cover 3-Sided Shell	833	2	1666
	8-20385Ala	20'3" x 8'5" Full Aluminum Invert	234	2	468
	8-203Hb	20'3" Headwall	2490	1	2490
	8-203CPb	20'3" Corner Panel	1120	1	1120
	8-203WPb	20'3" Additional Wing Panel	898	1	898
	8-203t	Total	7256	XX	10004
	51	8-2044614a	20'4" x 4'6" 1.4' Cover 3-Sided Shell	847	2
8-2044620a		20'4" x 4'6" 2.0' Cover 3-Sided Shell	806	2	1612
8-2044630a		20'4" x 4'6" 3.0' Cover 3-Sided Shell	806	2	1612
8-20446Ala		20'4" x 4'6" Full Aluminum Invert	243	2	486
8-204Hb		20'4" Headwall	2145	1	2145
8-204CPb		20'4" Corner Panel	843	1	843
8-204WPb		20'4" Additional Wing Panel	682	1	682
8-204t		Total	6372	XX	9074
52		8-2067314a	20'6" x 7'3" 1.4' Cover 3-Sided Shell	800	2
	8-2067320a	20'6" x 7'3" 2.0' Cover 3-Sided Shell	852	2	1704
	8-2067330a	20'6" x 7'3" 3.0' Cover 3-Sided Shell	852	2	1704
	8-20673Ala	20'6" x 7'3" Full Aluminum Invert	240	2	480
	8-206Hb	20'6" Headwall	2507	1	2507
	8-206CPb	20'6" Corner Panel	1059	1	1059
	8-206WPb	20'6" Additional Wing Panel	842	1	842
	8-206t	Total	7152	XX	9896
	53	8-2075314a	20'7" x 5'3" 1.4' Cover 3-Sided Shell	903	2
8-2075320a		20'7" x 5'3" 2.0' Cover 3-Sided Shell	862	2	1724
8-2075330a		20'7" x 5'3" 3.0' Cover 3-Sided Shell	862	2	1724
8-20753Ala		20'7" x 5'3" Full Aluminum Invert	249	2	498
8-207Hb		20'7" Headwall	2250	1	2250
8-207CPb		20'7" Corner Panel	897	1	897
8-207WPb		20'7" Additional Wing Panel	722	1	722

ITEM 8

Part 8a - Three-Sided Shell and Full Aluminum Inverts, reference section 713.18 of the Standard Specs. Unit Cost shall be per one foot (1ft) sections.

Part 8b - Aluminum Accessories to be used with previous Shell and Invert. Unit Cost shall be Each.

Part 8t - Shall be the total cost for all of Part "a" and Part "b".

		ITEM 8		Estimated	Extended
Line #	Item #	Span x Rise	Unit Cost	Quantity	Cost
	8-207t	Total	6745	XX	9621

ITEM 8

Part 8a - Three-Sided Shell and Full Aluminum Inverts, reference section 713.18 of the Standard Specs. Unit Cost shall be per one foot (1ft) sections.

Part 8b - Aluminum Accessories to be used with previous Shell and Invert. Unit Cost shall be Each.

Part 8t - Shall be the total cost for all of Part "a" and Part "b".

Line #	Item #	ITEM 8 Span x Rise	Unit Cost	Estimated Quantity	Extended Cost
54	8-20108114a	20'10" x 8'1" 1.4' Cover 3-Sided Shell	818	2	1636
	8-20108120a	20'10" x 8'1" 2.0' Cover 3-Sided Shell	867	2	1734
	8-20108130a	20'10" x 8'1" 3.0' Cover 3-Sided Shell	867	2	1734
	8-201081Ala	20'10" x 8'1" Full Aluminum Invert	249	2	498
	8-2010Hb	20'10" Headwall	2618	1	2618
	8-2010CPb	20'10" Corner Panel	1321	1	1321
	8-2010WPb	20'10" Additional Wing Panel	1090	1	1090
	8-2010t	Total		7830	XX
55	8-20116114a	20'11" x 6'1" 1.4' Cover 3-Sided Shell	909	2	1818
	8-20116120a	20'11" x 6'1" 2.0' Cover 3-Sided Shell	872	2	1742
	8-20116130a	20'11" x 6'1" 3.0' Cover 3-Sided Shell	872	2	1742
	8-201161Ala	20'11" x 6'1" Full Aluminum Invert	249	2	498
	8-2011Hb	20'11" Headwall	2354	1	2354
	8-2011CPb	20'11" Corner Panel	951	1	951
	8-2011WPb	20'11" Additional Wing Panel	762	1	762
	8-2011t	Total		6969	XX
56	8-21281014a	21'2" x 8'10" 1.4' Cover 3-Sided Shell	959	2	1918
	8-21281020a	21'2" x 8'10" 2.0' Cover 3-Sided Shell	873	2	1746
	8-21281030a	21'2" x 8'10" 3.0' Cover 3-Sided Shell	873	2	1746
	8-212810Ala	21'2" x 8'10" Full Aluminum Invert	249	2	498
	8-212Hb	21'2" Headwall	2730	1	2730
	8-212CPb	21'2" Corner Panel	1375	1	1375
	8-212WPb	21'2" Additional Wing Panel	1130	1	1130
	8-212t	Total		8189	XX
57	8-21361014a	21'3" x 6'10" 1.4' Cover 3-Sided Shell	960	2	1920
	8-21361020a	21'3" x 6'10" 2.0' Cover 3-Sided Shell	887	2	1774
	8-21361030a	21'3" x 6'10" 3.0' Cover 3-Sided Shell	887	2	1774
	8-213610Ala	21'3" x 6'10" Full Aluminum Invert	249	2	498
	8-213Hb	21'3" Headwall	2458	1	2458
	8-213CPb	21'3" Corner Panel	1005	1	1005
	8-213WPb	21'3" Additional Wing Panel	803	1	803
	8-213t	Total		7249	XX
58	8-2167814a	21'6" x 7'8" 1.4' Cover 3-Sided Shell	978	2	1956
	8-2167820a	21'6" x 7'8" 2.0' Cover 3-Sided Shell	902	2	1804
	8-2167830a	21'6" x 7'8" 3.0' Cover 3-Sided Shell	902	2	1804
	8-21678Ala	21'6" x 7'8" Full Aluminum Invert	255	2	510
	8-216Hb	21'6" Headwall	2563	1	2563
	8-216CPb	21'6" Corner Panel	1059	1	1059
	8-216WPb	21'6" Additional Wing Panel	843	1	843
	8-216t	Total		7502	XX
59	8-21741114a	21'7" x 4'11" 1.4' Cover 3-Sided Shell	942	2	1884
	8-21741120a	21'7" x 4'11" 2.0' Cover 3-Sided Shell	864	2	1728
	8-21741130a	21'7" x 4'11" 3.0' Cover 3-Sided Shell	864	2	1728
	8-217411Ala	21'7" x 4'11" Full Aluminum Invert	255	2	510
	8-217Hb	21'7" Headwall	2301	1	2301
	8-217CPb	21'7" Corner Panel	880	1	880
	8-217WPb	21'7" Additional Wing Panel	719	1	719

ITEM 8

- Part 8a - Three-Sided Shell and Full Aluminum Inverts, reference section 713.18 of the Standard Specs. Unit Cost shall be per one foot (1ft) sections.
- Part 8b - Aluminum Accessories to be used with previous Shell and Invert. Unit Cost shall be Each.
- Part 8t - Shall be the total cost for all of Part "a" and Part "b".

Line #	Item #	ITEM 8 Span x Rise	Unit Cost	Estimated Quantity	Extended Cost
	8-217t	Total	6825	XX	9750

ITEM 8

Part 8a - Three-Sided Shell and Full Aluminum Inverts, reference section 713.18 of the Standard Specs. Unit Cost shall be per one foot (1ft) sections.

Part 8b - Aluminum Accessories to be used with previous Shell and Invert. Unit Cost shall be Each.

Part 8t - Shall be the total cost for all of Part "a" and Part "b".

		ITEM 8			Estimated	Extended	
Line #	Item #	Span x Rise	Unit Cost	Quantity	Cost		
60	8-21105814a	21'10" x 5'8" 1.4' Cover 3-Sided Shell	980	2	1960		
	8-21105820a	21'10" x 5'8" 2.0' Cover 3-Sided Shell	930	2	1860		
	8-21105830a	21'10" x 5'8" 3.0' Cover 3-Sided Shell	930	2	1860		
	8-211058A1a	21'10" x 5'8" Full Aluminum Invert	261	2	522		
	8-2110Hb	21'10" Headwall	2392	1	2392		
	8-2110CPb	21'10" Corner Panel	931	1	931		
	8-2110WPb	21'10" Additional Wing Panel	756	1	756		
	8-2110t	Total		7180	XX	10281	
	61	8-21108514a	21'10" x 8'5" 1.4' Cover 3-Sided Shell	996	2	1992	
8-21108520a		21'10" x 8'5" 2.0' Cover 3-Sided Shell	937	2	1874		
8-21108530a		21'10" x 8'5" 3.0' Cover 3-Sided Shell	937	2	1874		
8-211085A1a		21'10" x 8'5" Full Aluminum Invert	261	2	522		
8-2110Hb		21'10" Headwall	2667	1	2667		
8-2110CPb		21'10" Corner Panel	1321	1	1321		
8-2110WPb		21'10" Additional Wing Panel	1090	1	1090		
8-2110t		Total		8209	XX	11340	
62		8-2216614a	22'1" x 6'6" 1.4' Cover 3-Sided Shell	988	2	1976	
	8-2216620a	22'1" x 6'6" 2.0' Cover 3-Sided Shell	935	2	1870		
	8-2216630a	22'1" x 6'6" 3.0' Cover 3-Sided Shell	935	2	1870		
	8-22166A1a	22'1" x 6'6" Full Aluminum Invert	269	2	538		
	8-221Hb	22'1" Headwall	2506	1	2506		
	8-221CPb	22'1" Corner Panel	989	1	989		
	8-221WPb	22'1" Additional Wing Panel	800	1	800		
	8-221t	Total		7422	XX	10549	
	63	8-2219314a	22'1" x 9'3" 1.4' Cover 3-Sided Shell	1014	2	2028	
8-2219320a		22'1" x 9'3" 2.0' Cover 3-Sided Shell	952	2	1904		
8-2219330a		22'1" x 9'3" 3.0' Cover 3-Sided Shell	952	2	1904		
8-22193A1a		22'1" x 9'3" Full Aluminum Invert	261	2	522		
8-221Hb		22'1" Headwall	2771	1	2771		
8-221CPb		22'1" Corner Panel	1375	1	1375		
8-221WPb		22'1" Additional Wing Panel	1130	1	1130		
8-221t		Total		8455	XX	11634	
64		8-2237314a	22'3" x 7'3" 1.4' Cover 3-Sided Shell	1010	2	2020	
	8-2237320a	22'3" x 7'3" 2.0' Cover 3-Sided Shell	954	2	1908		
	8-2237330a	22'3" x 7'3" 3.0' Cover 3-Sided Shell	954	2	1908		
	8-22373A1a	22'3" x 7'3" Full Aluminum Invert	269	2	538		
	8-223Hb	22'3" Headwall	2608	1	2608		
	8-223CPb	22'3" Corner Panel	1043	1	1043		
	8-223WPb	22'3" Additional Wing Panel	840	1	840		
	8-223t	Total		7678	XX	10865	
	65	8-2268114a	22'6" x 8'1" 1.4' Cover 3-Sided Shell	1049	2	2098	
8-2268120a		22'6" x 8'1" 2.0' Cover 3-Sided Shell	987	2	1974		
8-2268130a		22'6" x 8'1" 3.0' Cover 3-Sided Shell	987	2	1974		
8-22681A1a		22'6" x 8'1" Full Aluminum Invert	275	2	550		
8-226Hb		22'6" Headwall	2701	1	2701		
8-226CPb		22'6" Corner Panel	1093	1	1093		
8-226WPb		22'6" Additional Wing Panel	877	1	877		

ITEM 8

- Part 8a - Three-Sided Shell and Full Aluminum Inverts, reference section 713.18 of the Standard Specs. Unit Cost shall be per one foot (1ft) sections.
- Part 8b - Aluminum Accessories to be used with previous Shell and Invert. Unit Cost shall be Each.
- Part 8t - Shall be the total cost for all of Part "a" and Part "b".

Line #	Item #	ITEM 8 Span x Rise	Unit Cost	Estimated Quantity	Extended Cost
	8-226t	Total	7969	XX	11267

ITEM 8

Part 8a - Three-Sided Shell and Full Aluminum Inverts, reference section 713.18 of the Standard Specs. Unit Cost shall be per one foot (1ft) sections.

Part 8b - Aluminum Accessories to be used with previous Shell and Invert. Unit Cost shall be Each.

Part 8t - Shall be the total cost for all of Part "a" and Part "b".

Line #	Item #	ITEM 8		Estimated Quantity	Extended Cost
		Span x Rise	Unit Cost		
66	8-2295414a	22'9" x 5'4" 1.4' Cover 3-Sided Shell	1012	2	2024
	8-2295420a	22'9" x 5'4" 2.0' Cover 3-Sided Shell	950	2	1900
	8-2295430a	22'9" x 5'4" 3.0' Cover 3-Sided Shell	950	2	1900
	8-22954Ala	22'9" x 5'4" Full Aluminum Invert	275	2	550
	8-229Hb	22'9" Headwall	2392	1	2392
	8-229CPb	22'9" Corner Panel	897	1	897
	8-229WPb	22'9" Additional Wing Panel	722	1	722
	8-229t	Total		7198	XX
67	8-22981014a	22'9" x 8'10" 1.4' Cover 3-Sided Shell	1066	2	2132
	8-22981020a	22'9" x 8'10" 2.0' Cover 3-Sided Shell	1004	2	2008
	8-22981030a	22'9" x 8'10" 3.0' Cover 3-Sided Shell	1004	2	2008
	8-229810Ala	22'9" x 8'10" Full Aluminum Invert	279	2	558
	8-229Hb	22'9" Headwall	2814	1	2814
	8-229CPb	22'9" Corner Panel	1359	1	1359
	8-229WPb	22'9" Additional Wing Panel	1128	1	1128
	8-229t	Total		8654	XX
68	8-2306114a	23'0" x 6'1" 1.4' Cover 3-Sided Shell	1050	2	2100
	8-2306120a	23'0" x 6'1" 2.0' Cover 3-Sided Shell	988	2	1976
	8-2306130a	23'0" x 6'1" 3.0' Cover 3-Sided Shell	988	2	1976
	8-23061Ala	23'0" x 6'1" Full Aluminum Invert	275	2	550
	8-230Hb	23'0" Headwall	2503	1	2503
	8-230CPb	23'0" Corner Panel	951	1	951
	8-230WPb	23'0" Additional Wing Panel	762	1	762
	8-230t	Total		7517	XX
69	8-2309814a	23'0" x 9'8" 1.4' Cover 3-Sided Shell	1084	2	2168
	8-2309820a	23'0" x 9'8" 2.0' Cover 3-Sided Shell	1019	2	2038
	8-2309830a	23'0" x 9'8" 3.0' Cover 3-Sided Shell	1019	2	2038
	8-23098Ala	23'0" x 9'8" Full Aluminum Invert	275	2	550
	8-230Hb	23'0" Headwall	2918	1	2918
	8-230CPb	23'0" Corner Panel	1413	1	1413
	8-230WPb	23'0" Additional Wing Panel	1189	1	1189
	8-230t	Total		8917	XX
70	8-23261114a	23'2" x 6'11" 1.4' Cover 3-Sided Shell	1062	2	2124
	8-23261120a	23'2" x 6'11" 2.0' Cover 3-Sided Shell	1000	2	2000
	8-23261130a	23'2" x 6'11" 3.0' Cover 3-Sided Shell	1000	2	2000
	8-232611Ala	23'2" x 6'11" Full Aluminum Invert	275	2	550
	8-232Hb	23'2" Headwall	2614	1	2614
	8-232CPb	23'2" Corner Panel	1005	1	1005
	8-232WPb	23'2" Additional Wing Panel	802	1	802
	8-232t	Total		7758	XX
71	8-2347814a	23'4" x 7'8" 1.4' Cover 3-Sided Shell	1080	2	2160
	8-2347820a	23'4" x 7'8" 2.0' Cover 3-Sided Shell	1018	2	2036
	8-2347830a	23'4" x 7'8" 3.0' Cover 3-Sided Shell	1018	2	2036
	8-23478Ala	23'4" x 7'8" Full Aluminum Invert	282	2	564
	8-234Hb	23'4" Headwall	2725	1	2725
	8-234CPb	23'4" Corner Panel	1059	1	1059
	8-234WPb	23'4" Additional Wing Panel	842	1	842

ITEM 8

- Part 8a - Three-Sided Shell and Full Aluminum Inverts, reference section 713.18 of the Standard Specs. Unit Cost shall be per one foot (1ft) sections.
- Part 8b - Aluminum Accessories to be used with previous Shell and Invert. Unit Cost shall be Each.
- Part 8t - Shall be the total cost for all of Part "a" and Part "b".

		ITEM 8		Estimated	Extended
Line #	Item #	Span x Rise	Unit Cost	Quantity	Cost
	8-234t	Total	8024	XX	11422

ITEM 8

- Part 8a - Three-Sided Shell and Full Aluminum Inverts, reference section 713.18 of the Standard Specs. Unit Cost shall be per one foot (1ft) sections.
- Part 8b - Aluminum Accessories to be used with previous Shell and Invert. Unit Cost shall be Each.
- Part 8t - Shall be the total cost for all of Part "a" and Part "b".

Line #	Item #	ITEM 8 Span x Rise	Unit Cost	Estimated Quantity	Extended Cost
72	8-2368614a	23'6" x 8'6" 1.4' Cover 3-Sided Shell	1098	2	2196
	8-2368620a	23'6" x 8'6" 2.0' Cover 3-Sided Shell	1057	2	2114
	8-2368630a	23'6" x 8'6" 3.0' Cover 3-Sided Shell	1057	2	2114
	8-23686A1a	23'6" x 8'6" Full Aluminum Invert	282	2	564
	8-236Hb	23'6" Headwall	2836	1	2836
	8-236CPb	23'6" Corner Panel	1321	1	1321
	8-236WPb	23'6" Additional Wing Panel	1099	1	1099
	8-236t	Total	8750	XX	12244
73	8-2389314a	23'8" x 9'3" 1.4' Cover 3-Sided Shell	1116	2	2232
	8-2389320a	23'8" x 9'3" 2.0' Cover 3-Sided Shell	1074	2	2148
	8-2389330a	23'8" x 9'3" 3.0' Cover 3-Sided Shell	1074	2	2148
	8-23893A1a	23'8" x 9'3" Full Aluminum Invert	288	2	576
	8-238Hb	23'8" Headwall	2947	1	2947
	8-238CPb	23'8" Corner Panel	1375	1	1375
	8-238WPb	23'8" Additional Wing Panel	1130	1	1130
	8-238t	Total	9004	XX	12556
74	8-231010114a	23'10" x 10'1" 1.4' Cover 3-Sided Shell	1134	2	2268
	8-231010120a	23'10" x 10'1" 2.0' Cover 3-Sided Shell	1092	2	2184
	8-231010130a	23'10" x 10'1" 3.0' Cover 3-Sided Shell	1092	2	2184
	8-2310101A1a	23'10" x 10'1" Full Aluminum Invert	288	2	576
	8-2310Hb	23'10" Headwall	3058	1	3058
	8-2310CPb	23'10" Corner Panel	1429	1	1429
	8-2310WPb	23'10" Additional Wing Panel	1170	1	1170
	8-2310t	Total	9263	XX	12869
75	8-2405914a	24'0" x 5'9" 1.4' Cover 3-Sided Shell	1099	2	2198
	8-2405920a	24'0" x 5'9" 2.0' Cover 3-Sided Shell	1023	2	2046
	8-2405930a	24'0" x 5'9" 3.0' Cover 3-Sided Shell	1023	2	2046
	8-24059A1a	24'0" x 5'9" Full Aluminum Invert	296	2	592
	8-240Hb	24'0" Headwall	2505	1	2505
	8-240CPb	24'0" Corner Panel	897	1	897
	8-240WPb	24'0" Additional Wing Panel	722	1	722
	8-240t	Total	7565	XX	11006
76	8-2416614a	24'1" x 6'6" 1.4' Cover 3-Sided Shell	1141	2	2282
	8-2416620a	24'1" x 6'6" 2.0' Cover 3-Sided Shell	1061	2	2122
	8-2416630a	24'1" x 6'6" 3.0' Cover 3-Sided Shell	1061	2	2122
	8-24166A1a	24'1" x 6'6" Full Aluminum Invert	296	2	592
	8-241Hb	24'1" Headwall	2609	1	2609
	8-241CPb	24'1" Corner Panel	951	1	951
	8-241WPb	24'1" Additional Wing Panel	762	1	762
	8-241t	Total	7881	XX	11440
77	8-2437414a	24'3" x 7'4" 1.4' Cover 3-Sided Shell	1179	2	2358
	8-2437420a	24'3" x 7'4" 2.0' Cover 3-Sided Shell	1073	2	2146
	8-2437430a	24'3" x 7'4" 3.0' Cover 3-Sided Shell	1073	2	2146
	8-24374A1a	24'3" x 7'4" Full Aluminum Invert	296	2	592
	8-243Hb	24'3" Headwall	2714	1	2714
	8-243CPb	24'3" Corner Panel	1005	1	1005
	8-243WPb	24'3" Additional Wing Panel	802	1	802

ITEM 8

Part 8a - Three-Sided Shell and Full Aluminum Inverts, reference section 713.18 of the Standard Specs. Unit Cost shall be per one foot (1ft) sections.

Part 8b - Aluminum Accessories to be used with previous Shell and Invert. Unit Cost shall be Each.

Part 8t - Shall be the total cost for all of Part "a" and Part "b".

Line #	Item #	ITEM 8 Span x Rise	Unit Cost	Estimated Quantity	Extended Cost
	8-243t	Total	8142	XX	11763

ITEM 8

Part 8a - Three-Sided Shell and Full Aluminum Inverts, reference section 713.18 of the Standard Specs.

Unit Cost shall be per one foot (1ft) sections.

Part 8b - Aluminum Accessories to be used with previous Shell and Invert. Unit Cost shall be Each.

Part 8t - Shall be the total cost for all of Part "a" and Part "b".

		ITEM 8			Estimated	Extended
Line #	Item #	Span x Rise	Unit Cost	Quantity	Cost	
78	8-2448214a	24'4" x 8'2" 1.4' Cover 3-Sided Shell	1200	2	2400	
	8-2448220a	24'4" x 8'2" 2.0' Cover 3-Sided Shell	1091	2	2182	
	8-2448230a	24'4" x 8'2" 3.0' Cover 3-Sided Shell	1091	2	2182	
	8-24482A1a	24'4" x 8'2" Full Aluminum Invert	296	2	592	
	8-244Hb	24'4" Headwall	2714	1	2714	
	8-244CPb	24'4" Corner Panel	1005	1	1005	
	8-244WPb	24'4" Additional Wing Panel	803	1	803	
	8-244t	Total		8200	XX	11878
79	8-24581114a	24'5" x 8'11" 1.4' Cover 3-Sided Shell	1221	2	2442	
	8-24581120a	24'5" x 8'11" 2.0' Cover 3-Sided Shell	1109	2	2218	
	8-24581130a	24'5" x 8'11" 3.0' Cover 3-Sided Shell	1109	2	2218	
	8-245811A1a	24'5" x 8'11" Full Aluminum Invert	296	2	592	
	8-245Hb	24'5" Headwall	2922	1	2922	
	8-245CPb	24'5" Corner Panel	1321	1	1321	
	8-245WPb	24'5" Additional Wing Panel	1090	1	1090	
	8-245t	Total		9068	XX	12803
80	8-2479914a	24'7" x 9'9" 1.4' Cover 3-Sided Shell	1241	2	2482	
	8-2479920a	24'7" x 9'9" 2.0' Cover 3-Sided Shell	1150	2	2300	
	8-2479930a	24'7" x 9'9" 3.0' Cover 3-Sided Shell	1150	2	2300	
	8-24799A1a	24'7" x 9'9" Full Aluminum Invert	302	2	604	
	8-247Hb	24'7" Headwall	3027	1	3027	
	8-247CPb	24'7" Corner Panel	1375	1	1375	
	8-247WPb	24'7" Additional Wing Panel	1130	1	1130	
	8-247t	Total		9375	XX	13218
81	8-24810614a	24'8" x 10'6" 1.4' Cover 3-Sided Shell	1262	2	2524	
	8-24810620a	24'8" x 10'6" 2.0' Cover 3-Sided Shell	1168	2	2336	
	8-24810630a	24'8" x 10'6" 3.0' Cover 3-Sided Shell	1168	2	2336	
	8-248106A1a	24'8" x 10'6" Full Aluminum Invert	302	2	604	
	8-248Hb	24'8" Headwall	3131	1	3131	
	8-248CPb	24'8" Corner Panel	1429	1	1429	
	8-248WPb	24'8" Additional Wing Panel	1170	1	1170	
	8-248t	Total		9630	XX	13530
82	8-2526214a	25'2" x 6'2" 1.4' Cover 3-Sided Shell	1175	2	2350	
	8-2526220a	25'2" x 6'2" 2.0' Cover 3-Sided Shell	1095	2	2190	
	8-2526230a	25'2" x 6'2" 3.0' Cover 3-Sided Shell	1095	2	2190	
	8-25262A1a	25'2" x 6'2" Full Aluminum Invert	322	2	644	
	8-252Hb	25'2" Headwall	3131	1	3131	
	8-252CPb	25'2" Corner Panel	1429	1	1429	
	8-252WPb	25'2" Additional Wing Panel	1170	1	1170	
	8-252t	Total		9417	XX	13104
83	8-2527014a	25'2" x 7'0" 1.4' Cover 3-Sided Shell	1216	2	2432	
	8-2527020a	25'2" x 7'0" 2.0' Cover 3-Sided Shell	1134	2	2268	
	8-2527030a	25'2" x 7'0" 3.0' Cover 3-Sided Shell	1134	2	2268	
	8-25270A1a	25'2" x 7'0" Full Aluminum Invert	322	2	644	
	8-252Hb	25'2" Headwall	2734	1	2734	
	8-252CPb	25'2" Corner Panel	1005	1	1005	
8-252WPb	25'2" Additional Wing Panel	802	1	802		

ITEM 8

- Part 8a - Three-Sided Shell and Full Aluminum Inverts, reference section 713.18 of the Standard Specs. Unit Cost shall be per one foot (1ft) sections.**
- Part 8b - Aluminum Accessories to be used with previous Shell and Invert. Unit Cost shall be Each.**
- Part 8t - Shall be the total cost for all of Part "a" and Part "b".**

Line #	Item #	ITEM 8 Span x Rise	Unit Cost	Estimated Quantity	Extended Cost
	8-252t	Total	8347	XX	12153

ITEM 8

Part 8a - Three-Sided Shell and Full Aluminum Inverts, reference section 713.18 of the Standard Specs. Unit Cost shall be per one foot (1ft) sections.

Part 8b - Aluminum Accessories to be used with previous Shell and Invert. Unit Cost shall be Each.

Part 8t - Shall be the total cost for all of Part "a" and Part "b".

		ITEM 8			
Line #	Item #	Span x Rise	Unit Cost	Estimated Quantity	Extended Cost
84	8-2537914a	25'3" x 7'9" 1.4' Cover 3-Sided Shell	1232	2	2464
	8-2537920a	25'3" x 7'9" 2.0' Cover 3-Sided Shell	1146	2	2292
	8-2537930a	25'3" x 7'9" 3.0' Cover 3-Sided Shell	1146	2	2292
	8-25379A1a	25'3" x 7'9" Full Aluminum Invert	322	2	644
	8-253Hb	25'3" Headwall	2839	1	2839
	8-253CPb	25'3" Corner Panel	1059	1	1059
	8-253WPb	25'3" Additional Wing Panel	848	1	848
	8-253t	Total	8592	XX	12438
85	8-2548714a	25'4" x 8'7" 1.4' Cover 3-Sided Shell	1252	2	2504
	8-2548720a	25'4" x 8'7" 2.0' Cover 3-Sided Shell	1164	2	2328
	8-2548730a	25'4" x 8'7" 3.0' Cover 3-Sided Shell	1164	2	2328
	8-25487A1a	25'4" x 8'7" Full Aluminum Invert	325	2	650
	8-254Hb	25'4" Headwall	2943	1	2943
	8-254CPb	25'4" Corner Panel	1321	1	1321
	8-254WPb	25'4" Additional Wing Panel	1090	1	1090
	8-254t	Total	9259	XX	13164
86	8-2549514a	25'4" x 9'5" 1.4' Cover 3-Sided Shell	1273	2	2546
	8-2549520a	25'4" x 9'5" 2.0' Cover 3-Sided Shell	1182	2	2364
	8-2549530a	25'4" x 9'5" 3.0' Cover 3-Sided Shell	1182	2	2364
	8-25495A1a	25'4" x 9'5" Full Aluminum Invert	328	2	656
	8-254Hb	25'4" Headwall	3047	1	3047
	8-254CPb	25'4" Corner Panel	1375	1	1375
	8-254WPb	25'4" Additional Wing Panel	1135	1	1135
	8-254t	Total	9522	XX	13487
87	8-25510214a	25'5" x 10'2" 1.4' Cover 3-Sided Shell	1294	2	2588
	8-25510220a	25'5" x 10'2" 2.0' Cover 3-Sided Shell	1246	2	2492
	8-25510230a	25'5" x 10'2" 3.0' Cover 3-Sided Shell	1246	2	2492
	8-255102A1a	25'5" x 10'2" Full Aluminum invert	328	2	656
	8-255Hb	25'5" Headwall	3047	1	3047
	8-255CPb	25'5" Corner Panel	1375	1	1375
	8-255WPb	25'5" Additional Wing Panel	1130	1	1130
	8-255t	Total	9666	XX	13780

DESIGNATED CONTACT: Vendor appoints the individual identified in this Section as the Contract Administrator and the initial point of contact for matters relating to this Contract.

Greg Nester Sales Engineer
(Name, Title)
GREG Nester Sales Engineer
(Printed Name and Title)
137 Charmwood Circle MONETA, VA 24121
(Address)
540-797-6499 (540-297-0081 Fax)
(Phone Number) / (Fax Number)
gnester@conteches.com
(email address)

CERTIFICATION AND SIGNATURE: By signing below, or submitting documentation through wvOASIS, I certify that I have reviewed this Solicitation in its entirety; that I understand the requirements, terms and conditions, and other information contained herein; that this bid, offer or proposal constitutes an offer to the State that cannot be unilaterally withdrawn; that the product or service proposed meets the mandatory requirements contained in the Solicitation for that product or service, unless otherwise stated herein; that the Vendor accepts the terms and conditions contained in the Solicitation, unless otherwise stated herein; that I am submitting this bid, offer or proposal for review and consideration; that I am authorized by the vendor to execute and submit this bid, offer, or proposal, or any documents related thereto on vendor's behalf; that I am authorized to bind the vendor in a contractual relationship; and that to the best of my knowledge, the vendor has properly registered with any State agency that may require registration.

CONTECH ENGINEERED SOLUTIONS
(Company)
Larry W. Asbury Region Vice President
(Authorized Signature) (Representative Name, Title)
LARRY W. ASBURY RVP
(Printed Name and Title of Authorized Representative)
4/13/2017
(Date)
(302) 598-7714 (1524) 443-457-1524 office
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FED ID# - 371663656