

**Johnson County
Bridge Reconstruction
Canal Road Bridge/Rock Creek
Addendum # 2**

To: All Plan Holders for the Johnson County Bridge Reconstruction Canal Road Bridge/Rock Creek Project

From: Benjamin Weaver, P.E., WWC Engineering

Date: January 25, 2013

Subject: Addendum #2 – Johnson County Bridge Reconstruction Canal Road Bridge/Rock Creek Project

In addition to the changes described below, the following attachments shall be included within this Addendum #2:

- Memo outlining additional Written Questions received and Answers provided through January 25, 2013 at 12:00 p.m.
- Grading Report
- Current Plan Holder's List

Addendum #2 is hereby written and made a part of the Contract Documents for the above named project.

The following clarifications were to be addressed from the Pre-Bid Meeting:

1. The selected Bridge Manufacturer will be Big R Bridge.
2. The bridge will arrive in two sections approximately 11' wide and 70' long.
3. The preliminary superstructure weight is 93,500 pounds total.

End of Addendum #2

**Johnson County
Bridge Reconstruction
Canal Road Bridge/Rock Creek
Written Questions and Answers**

To: All Plan Holders for the Johnson County Bridge Reconstruction Canal Road Bridge/Rock Creek Project

From: Benjamin Weaver, P.E., WWC Engineering

Date: January 25, 2013

Subject: Addendum #2 – Johnson County Bridge Reconstruction Canal Road Bridge/Rock Creek Project

The following is a list of additional written questions asked and answers provided for the Johnson County Bridge Reconstruction Canal Road Bridge/Rock Creek Project through January 25, 2013 at 12:00 p.m. This is being included within Addendum #2 as an attachment to provide all potential bidders with the same information.

1. Question: What is the frequency of testing?

Answer: The testing frequencies for the material items below will be modified accordingly. All other material items not listed below must be submitted and tested according to the project specifications unless approved by the ENGINEER.

Testing Frequencies:

A. Field Testing

a. EMBANKMENT

i. Density - 1 minimum every 500 CY = 2 minimum

b. CRUSHED BASE (GRADING GR)

i. Density - 1 minimum every 500 ft = 2 minimum

B. Lab Testing

a. EMBANKMENT

i. Standard Proctor Test - 2 minimum

b. CRUSHED BASE (GRADING GR)

i. Aggregate Gradation - 2 minimum

ii. Atterberg Limits Test - 2 minimum

iii. Certifications required for other specified aggregate properties from source.

c. GABION AGGREGATE

i. Certifications required for specified aggregate properties and gradation from source.

2. Question: May I get a list of the requirements for the contractor testing, that include what work will need to be tested, the tests required and the testing frequency?

Answer: In addition to the material items above, the Contractor will be required to complete material submittals with certifications for all items to be used for the project including but not limited to: seeding, fertilizer, mulch, geotextile, steel piling, gabion baskets, filter aggregate, machine-placed riprap, pipe materials, guardrail materials, fencing materials, signing materials and the bridge decking retaining system materials.

3. Question: Will any special testing or observing (blow counts) be required on the Contractor's part for installing the piling?

Answer: Yes, the Contractor will be required to record blow counts to correlate with the Engineer's record. No dynamic testing will be required.

4. Question: May I acquire a detailed grading summary that includes quantities for stationing 0+00 – 22+21 and 22+21 – 25+50?

Answer: The detailed grading report is attached.

5. Question: What will be provided for surveying reference points on the bridge?

Answer: WWC will stake the four corners of the new bridge with elevations and one offset for each. After the stakes are placed it will be the responsibility of the Contractor to maintain all stakes.

Final_Earthwork_Run_08_07_2012. log

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Input File: ewkprj.inp
Output File: Final_Earthwork_Run_08_07_2012. log
1      1      1
1      2      2
1      3      3 Earthwork
1      4      4
1      5      5 tolerance = 0.100000
1      6      6
1      7      7 vertical search distance = 500.000000
1      8      8
1      9      9 xs dgn =
K: \Johnson_County_Road_and_Bridge\12051\Pd\Design\12051_Canal_Road_xsd.dgn
1     10     10
1     11     11 Proposed Finish Grade
1     12     12 soil type = SUITABLE_GRADING
1     13     13 roadway exc mult factor = 1.000000
1     14     14 subsoil exc mult factor = 1.000000
1     15     15 fill mult factor = 1.200000
1     16     16 type = line, line_string
1     17     17 lvname = Level_59
1     18     18 lvname = PD_XS_TW
1     19     19 lvname = PD_XS_PVMT_TAPER1
1     20     20 lvname = PD_XS_PVMT_L1
1     21     21 lvname = PD_XS_SLP
1     22     22 lvname = PD_XS_PVMT_SH_L1
1     23     23 lvname = PD_XS_SH
1     24     24 lvname = PD_XS_SHLDR_TAPER1
1     25     25 lc = 0, ByLevel
1     26     26 wt = 1, ByLevel
1     27     27 co = 3, ByLevel
1     28     28
1     29     29 Existing Ground Line
1     30     30 soil type = SUITABLE_GRADING
1     31     31 roadway exc mult factor = 1.000000
1     32     32 subsoil exc mult factor = 1.000000
1     33     33 fill mult factor = 1.000000
1     34     34 type = line, line_string
1     35     35 lvname = PD_XS_EX_GRN_VOID
1     36     36 lvname = PD_XS_EX_GRN
1     37     37 lc = ByLevel
1     38     38 wt = ByLevel
1     39     39 co = ByLevel
1     40     40
1     41     41 Existing Unsuitable Material
1     42     42 soil type = Unsuitable_Grading
1     43     43 roadway exc mult factor = 1.000000
1     44     44 subsoil exc mult factor = 1.000000
1     45     45 fill mult factor = 1.000000
1     46     46 type = line, line_string
1     47     47 lvname = PD_XS_TOPSOIL
1     48     48 lc = ByLevel
1     49     49 wt = ByLevel
1     50     50 co = ByLevel
1     51     51
1     52     52 Existing Unsuitable Material
1     53     53 soil type = Unsuitable_Grading
1     54     54 roadway exc mult factor = 1.000000
1     55     55 subsoil exc mult factor = 1.000000
1     56     56 fill mult factor = 1.000000
1     57     57 type = line, line_string
1     58     58 lvname = PD_XS_EX_PAVEMENT
1     59     59 lc = ByLevel
1     60     60 wt = ByLevel
1     61     61 co = ByLevel
1     62     62
1     63     63 Excavation Limit
1     64     64 type = line

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1 65 65          lvname = PD_XS_EX_LIM1
1 66 66          lc = ByLevel
1 67 67          wt = ByLevel
1 68 68          co = ByLevel
1 69 69
1 70 70      Skip Areas
1 71 71          from 21+85.32 R 1 to 22+56.18 R 1
1 72 72
1 73 73      Write Earthwork Shapes
1 74 74          plot param
1 75 75          lv = 5
1 76 76          lvname = Level 5
1 77 77          co = ByLevel
1 78 78          wt = ByLevel
1 79 79          lc = ByLevel
1 80 80          Stratify Shape Color
1 81 81
1 82 82      combine common exc + subgrade exc + subsoil exc
1 83 83
1 84 84      End Area Decimal Places = 2
1 85 85
1 86 86      Process Earthwork for Baseline = CANAL_ROAD
1 87 87          job number = CRB
1 88 88
1 89 89          beg sta = 14+00.00 R 1
1 90 90          end sta = 25+50.00 R 1
0 0 0 91 END_OF_FILE

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COMPUTING EARTHWORKS FOR BASELINE = CANAL_ROAD
 COMPUTING EARTHWORKS FOR JOB = CRB
 FORMING LIST OF XCELLS
 BEGINNING EARTHWORKS COMPUTATION

Station	Material Name	End Areas (sq. ft.)	Unadjusted Volumes (cu. yd.)	Adjusted Volumes (cu. yd.)	Mult Factor	Mass Ordinate
14+00.00	SUI TABLE_GRADING					
	Excavation	16.51	0	0	1.00	
	Fill	6.24	0	0	1.20	0
	UNSUI TABLE_GRADING					
	Excavation	28.48	0	0	1.00	
	Fill	0.00	0	0	1.00	0
	Mass ordinate for UNSUI TABLE_GRADING = 0					
14+25.00	SUI TABLE_GRADING					
	Excavation	19.80	17	17	1.00	
	Fill	2.86	4	5	1.20	12
	UNSUI TABLE_GRADING					
	Excavation	28.66	26	26	1.00	
	Fill	0.00	0	0	1.00	12
	Mass ordinate for UNSUI TABLE_GRADING = 26					
14+40.00	SUI TABLE_GRADING					
	Excavation	22.98	12	12	1.00	
	Fill	2.19	1	2	1.20	22
	UNSUI TABLE_GRADING					
	Excavation	29.13	16	16	1.00	
	Fill	0.00	0	0	1.00	22
	Mass ordinate for UNSUI TABLE_GRADING = 42					
14+50.00	SUI TABLE_GRADING					
	Excavation	23.80	9	9	1.00	
	Fill	1.39	1	1	1.20	30
	UNSUI TABLE_GRADING					
	Excavation	29.21	11	11	1.00	
	Fill	0.00	0	0	1.00	30
	Mass ordinate for UNSUI TABLE_GRADING = 53					

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14+75.00	SUI TABLE_GRADING					
	Excavation	28.95	24	24	1.00	
	Fill	0.87	1	1	1.20	53
	UNSUI TABLE_GRADING					
	Excavation	28.98	27	27	1.00	
	Fill	0.00	0	0	1.00	53
	Mass ordinate for UNSUI TABLE_GRADING = 80					
15+00.00	SUI TABLE_GRADING					
	Excavation	37.11	31	31	1.00	
	Fill	0.78	1	1	1.20	83
	UNSUI TABLE_GRADING					
	Excavation	29.14	27	27	1.00	
	Fill	0.00	0	0	1.00	83
	Mass ordinate for UNSUI TABLE_GRADING = 107					
15+25.00	SUI TABLE_GRADING					
	Excavation	47.64	39	39	1.00	
	Fill	0.84	1	1	1.20	121
	UNSUI TABLE_GRADING					
	Excavation	30.55	28	28	1.00	
	Fill	0.00	0	0	1.00	121
	Mass ordinate for UNSUI TABLE_GRADING = 135					
15+50.00	SUI TABLE_GRADING					
	Excavation	61.02	50	50	1.00	
	Fill	0.89	1	1	1.20	170
	UNSUI TABLE_GRADING					
	Excavation	31.58	29	29	1.00	
	Fill	0.00	0	0	1.00	170
	Mass ordinate for UNSUI TABLE_GRADING = 164					
15+75.00	SUI TABLE_GRADING					
	Excavation	74.30	63	63	1.00	
	Fill	0.92	1	1	1.20	232
	UNSUI TABLE_GRADING					
	Excavation	32.12	30	30	1.00	
	Fill	0.00	0	0	1.00	232
	Mass ordinate for UNSUI TABLE_GRADING = 194					
16+00.00	SUI TABLE_GRADING					
	Excavation	77.70	70	70	1.00	
	Fill	0.98	1	1	1.20	301
	UNSUI TABLE_GRADING					
	Excavation	32.35	30	30	1.00	
	Fill	0.00	0	0	1.00	301
	Mass ordinate for UNSUI TABLE_GRADING = 224					
16+25.00	SUI TABLE_GRADING					
	Excavation	76.13	71	71	1.00	
	Fill	1.05	1	1	1.20	371
	UNSUI TABLE_GRADING					
	Excavation	31.92	30	30	1.00	
	Fill	0.00	0	0	1.00	371
	Mass ordinate for UNSUI TABLE_GRADING = 254					
16+40.00	SUI TABLE_GRADING					
	Excavation	72.52	41	41	1.00	
	Fill	1.05	1	1	1.20	411
	UNSUI TABLE_GRADING					
	Excavation	31.15	18	18	1.00	
	Fill	0.00	0	0	1.00	411
	Mass ordinate for UNSUI TABLE_GRADING = 272					
16+50.00	SUI TABLE_GRADING					
	Excavation	74.96	27	27	1.00	

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	Fill	0.99	0	0	1.20	438
	UNSUITABLE_GRADING					
	Excavation	31.01	11	11	1.00	
	Fill	0.00	0	0	1.00	438
	Mass ordinate for UNSUITABLE_GRADING = 283					
16+75.00	SUITABLE_GRADING					
	Excavation	85.26	74	74	1.00	
	Fill	0.99	1	1	1.20	511
	UNSUITABLE_GRADING					
	Excavation	31.39	29	29	1.00	
	Fill	0.00	0	0	1.00	511
	Mass ordinate for UNSUITABLE_GRADING = 312					
16+78.00	SUITABLE_GRADING					
	Excavation	86.66	10	10	1.00	
	Fill	0.99	0	0	1.20	521
	UNSUITABLE_GRADING					
	Excavation	31.28	3	3	1.00	
	Fill	0.00	0	0	1.00	521
	Mass ordinate for UNSUITABLE_GRADING = 315					
17+00.00	SUITABLE_GRADING					
	Excavation	121.49	85	85	1.00	
	Fill	0.97	1	1	1.20	605
	UNSUITABLE_GRADING					
	Excavation	33.78	27	27	1.00	
	Fill	0.00	0	0	1.00	605
	Mass ordinate for UNSUITABLE_GRADING = 342					
17+25.00	SUITABLE_GRADING					
	Excavation	197.49	148	148	1.00	
	Fill	2.36	2	2	1.20	751
	UNSUITABLE_GRADING					
	Excavation	45.91	37	37	1.00	
	Fill	0.00	0	0	1.00	751
	Mass ordinate for UNSUITABLE_GRADING = 379					
17+50.00	SUITABLE_GRADING					
	Excavation	214.99	191	191	1.00	
	Fill	0.99	2	2	1.20	940
	UNSUITABLE_GRADING					
	Excavation	39.60	40	40	1.00	
	Fill	0.00	0	0	1.00	940
	Mass ordinate for UNSUITABLE_GRADING = 419					
17+70.52	SUITABLE_GRADING					
	Excavation	259.12	180	180	1.00	
	Fill	0.71	1	1	1.20	1119
	UNSUITABLE_GRADING					
	Excavation	38.38	30	30	1.00	
	Fill	0.00	0	0	1.00	1119
	Mass ordinate for UNSUITABLE_GRADING = 449					
17+82.00	SUITABLE_GRADING					
	Excavation	207.03	99	99	1.00	
	Fill	1.02	0	0	1.20	1218
	UNSUITABLE_GRADING					
	Excavation	35.83	15	15	1.00	
	Fill	0.00	0	0	1.00	1218
	Mass ordinate for UNSUITABLE_GRADING = 464					
17+93.00	SUITABLE_GRADING					
	Excavation	213.30	86	86	1.00	
	Fill	0.99	0	0	1.20	1304
	UNSUITABLE_GRADING					
	Excavation	36.71	14	14	1.00	

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	Fill	0.00	0	0	1.00	1304
	Mass ordinate for UNSUI TABLE_GRADING = 478					
18+08.78	SUI TABLE_GRADING					
	Excavation	237.08	132	132	1.00	
	Fill	0.64	0	1	1.20	1435
	UNSUI TABLE_GRADING					
	Excavation	36.23	21	21	1.00	
	Fill	0.00	0	0	1.00	1435
	Mass ordinate for UNSUI TABLE_GRADING = 499					
18+25.00	SUI TABLE_GRADING					
	Excavation	213.96	135	135	1.00	
	Fill	0.63	0	0	1.20	1570
	UNSUI TABLE_GRADING					
	Excavation	35.80	21	21	1.00	
	Fill	0.00	0	0	1.00	1570
	Mass ordinate for UNSUI TABLE_GRADING = 520					
18+43.00	SUI TABLE_GRADING					
	Excavation	140.11	118	118	1.00	
	Fill	1.77	1	1	1.20	1687
	UNSUI TABLE_GRADING					
	Excavation	36.54	24	24	1.00	
	Fill	0.00	0	0	1.00	1687
	Mass ordinate for UNSUI TABLE_GRADING = 544					
18+58.00	SUI TABLE_GRADING					
	Excavation	108.44	69	69	1.00	
	Fill	2.61	1	1	1.20	1755
	UNSUI TABLE_GRADING					
	Excavation	37.13	20	20	1.00	
	Fill	0.00	0	0	1.00	1755
	Mass ordinate for UNSUI TABLE_GRADING = 564					
18+75.00	SUI TABLE_GRADING					
	Excavation	117.75	71	71	1.00	
	Fill	0.82	1	1	1.20	1825
	UNSUI TABLE_GRADING					
	Excavation	35.32	23	23	1.00	
	Fill	0.00	0	0	1.00	1825
	Mass ordinate for UNSUI TABLE_GRADING = 587					
19+00.00	SUI TABLE_GRADING					
	Excavation	96.76	99	99	1.00	
	Fill	0.84	1	1	1.20	1923
	UNSUI TABLE_GRADING					
	Excavation	36.55	34	34	1.00	
	Fill	0.00	0	0	1.00	1923
	Mass ordinate for UNSUI TABLE_GRADING = 621					
19+25.00	SUI TABLE_GRADING					
	Excavation	70.31	77	77	1.00	
	Fill	2.14	1	2	1.20	1998
	UNSUI TABLE_GRADING					
	Excavation	36.08	33	33	1.00	
	Fill	0.00	0	0	1.00	1998
	Mass ordinate for UNSUI TABLE_GRADING = 654					
19+50.00	SUI TABLE_GRADING					
	Excavation	44.39	53	53	1.00	
	Fill	5.60	4	4	1.20	2047
	UNSUI TABLE_GRADING					
	Excavation	32.72	32	32	1.00	
	Fill	0.00	0	0	1.00	2047
	Mass ordinate for UNSUI TABLE_GRADING = 686					

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19+57.16	SUI TABLE_GRADING	Excavation	40.49	11	11	1.00	
		Fill	6.78	2	2	1.20	2056
	UNSUI TABLE_GRADING	Excavation	33.50	9	9	1.00	
		Fill	0.00	0	0	1.00	2056
		Mass ordinate for UNSUI TABLE_GRADING = 695					
19+83.00	SUI TABLE_GRADING	Excavation	0.92	20	20	1.00	
		Fill	20.33	13	16	1.20	2060
	UNSUI TABLE_GRADING	Excavation	33.77	32	32	1.00	
		Fill	0.00	0	0	1.00	2060
		Mass ordinate for UNSUI TABLE_GRADING = 727					
19+94.00	SUI TABLE_GRADING	Excavation	1.17	0	0	1.00	
		Fill	17.94	8	9	1.20	2051
	UNSUI TABLE_GRADING	Excavation	33.62	13	13	1.00	
		Fill	0.00	0	0	1.00	2051
		Mass ordinate for UNSUI TABLE_GRADING = 740					
20+19.16	SUI TABLE_GRADING	Excavation	5.14	3	3	1.00	
		Fill	23.33	19	23	1.20	2031
	UNSUI TABLE_GRADING	Excavation	31.99	30	30	1.00	
		Fill	0.00	0	0	1.00	2031
		Mass ordinate for UNSUI TABLE_GRADING = 770					
20+25.00	SUI TABLE_GRADING	Excavation	10.51	2	2	1.00	
		Fill	29.81	6	7	1.20	2026
	UNSUI TABLE_GRADING	Excavation	33.69	7	7	1.00	
		Fill	0.00	0	0	1.00	2026
		Mass ordinate for UNSUI TABLE_GRADING = 777					
20+28.00	SUI TABLE_GRADING	Excavation	13.16	1	1	1.00	
		Fill	35.81	4	4	1.20	2023
	UNSUI TABLE_GRADING	Excavation	35.57	3	3	1.00	
		Fill	0.00	0	0	1.00	2023
		Mass ordinate for UNSUI TABLE_GRADING = 780					
20+50.00	SUI TABLE_GRADING	Excavation	48.76	25	25	1.00	
		Fill	6.01	17	20	1.20	2028
	UNSUI TABLE_GRADING	Excavation	33.87	28	28	1.00	
		Fill	0.00	0	0	1.00	2028
		Mass ordinate for UNSUI TABLE_GRADING = 808					
20+72.51	SUI TABLE_GRADING	Excavation	22.01	29	29	1.00	
		Fill	17.30	10	12	1.20	2045
	UNSUI TABLE_GRADING	Excavation	31.47	27	27	1.00	
		Fill	0.00	0	0	1.00	2045
		Mass ordinate for UNSUI TABLE_GRADING = 835					
20+75.00	SUI TABLE_GRADING	Excavation	24.50	2	2	1.00	
		Fill	16.48	2	2	1.20	2045

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	UNSUI TABLE_GRADING					
	Excavation	32.02	3	3	1.00	
	Fill	0.00	0	0	1.00	2045
	Mass ordinate for UNSUI TABLE_GRADING = 838					
20+97.50	SUI TABLE_GRADING					
	Excavation	16.64	17	17	1.00	
	Fill	7.08	10	12	1.20	2050
	UNSUI TABLE_GRADING					
	Excavation	29.70	26	26	1.00	
	Fill	0.00	0	0	1.00	2050
	Mass ordinate for UNSUI TABLE_GRADING = 864					
21+00.00	SUI TABLE_GRADING					
	Excavation	14.70	1	1	1.00	
	Fill	9.27	1	1	1.20	2050
	UNSUI TABLE_GRADING					
	Excavation	28.15	3	3	1.00	
	Fill	0.00	0	0	1.00	2050
	Mass ordinate for UNSUI TABLE_GRADING = 867					
21+24.32	SUI TABLE_GRADING					
	Excavation	14.91	13	13	1.00	
	Fill	17.21	12	14	1.20	2049
	UNSUI TABLE_GRADING					
	Excavation	25.59	24	24	1.00	
	Fill	0.00	0	0	1.00	2049
	Mass ordinate for UNSUI TABLE_GRADING = 891					
21+30.00	SUI TABLE_GRADING					
	Excavation	0.00	2	2	1.00	
	Fill	26.74	5	6	1.20	2045
	UNSUI TABLE_GRADING					
	Excavation	24.82	5	5	1.00	
	Fill	0.00	0	0	1.00	2045
	Mass ordinate for UNSUI TABLE_GRADING = 896					
21+34.92	SUI TABLE_GRADING					
	Excavation	0.00	0	0	1.00	
	Fill	30.23	5	6	1.20	2039
	UNSUI TABLE_GRADING					
	Excavation	24.33	5	5	1.00	
	Fill	0.00	0	0	1.00	2039
	Mass ordinate for UNSUI TABLE_GRADING = 901					
21+44.00	SUI TABLE_GRADING					
	Excavation	0.00	0	0	1.00	
	Fill	43.52	12	15	1.20	2024
	UNSUI TABLE_GRADING					
	Excavation	24.39	9	9	1.00	
	Fill	0.00	0	0	1.00	2024
	Mass ordinate for UNSUI TABLE_GRADING = 910					
21+55.18	SUI TABLE_GRADING					
	Excavation	5.75	1	1	1.00	
	Fill	34.95	16	19	1.20	2006
	UNSUI TABLE_GRADING					
	Excavation	24.62	10	10	1.00	
	Fill	0.00	0	0	1.00	2006
	Mass ordinate for UNSUI TABLE_GRADING = 920					
21+60.07	SUI TABLE_GRADING					
	Excavation	4.57	1	1	1.00	
	Fill	41.12	7	8	1.20	1999
	UNSUI TABLE_GRADING					
	Excavation	24.56	4	4	1.00	
	Fill	0.00	0	0	1.00	1999

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 Mass ordinate for UNSUITABLE_GRADING = 924

21+75.00	SUITABLE_GRADING					
	Excavation	1.21	2	2	1.00	
	Fill	66.90	30	36	1.20	1965
	UNSUITABLE_GRADING					
	Excavation	24.36	13	13	1.00	
	Fill	0.00	0	0	1.00	1965
	Mass ordinate for UNSUITABLE_GRADING = 937					
21+82.50	SUITABLE_GRADING					
	Excavation	0.05	0	0	1.00	
	Fill	78.28	20	24	1.20	1941
	UNSUITABLE_GRADING					
	Excavation	23.18	7	7	1.00	
	Fill	0.00	0	0	1.00	1941
	Mass ordinate for UNSUITABLE_GRADING = 944					
21+85.31	SUITABLE_GRADING					
	Excavation	0.00	0	0	1.00	
	Fill	86.28	9	10	1.20	1931
	UNSUITABLE_GRADING					
	Excavation	22.82	2	2	1.00	
	Fill	0.00	0	0	1.00	1931
	Mass ordinate for UNSUITABLE_GRADING = 946					
SKIP STATION RANGE = 21+85.32 to 22+56.18						
22+56.18	SUITABLE_GRADING					
	Excavation	0.00	0	0	1.00	
	Fill	198.81	0	0	1.20	1931
	UNSUITABLE_GRADING					
	Excavation	34.97	0	0	1.00	
	Fill	0.00	0	0	1.00	1931
	Mass ordinate for UNSUITABLE_GRADING = 946					
22+75.00	SUITABLE_GRADING					
	Excavation	0.00	0	0	1.00	
	Fill	276.44	166	199	1.20	1732
	UNSUITABLE_GRADING					
	Excavation	44.18	28	28	1.00	
	Fill	0.00	0	0	1.00	1732
	Mass ordinate for UNSUITABLE_GRADING = 974					
22+80.96	SUITABLE_GRADING					
	Excavation	0.00	0	0	1.00	
	Fill	338.35	68	81	1.20	1651
	UNSUITABLE_GRADING					
	Excavation	51.04	11	11	1.00	
	Fill	0.00	0	0	1.00	1651
	Mass ordinate for UNSUITABLE_GRADING = 985					
23+00.00	SUITABLE_GRADING					
	Excavation	0.00	0	0	1.00	
	Fill	306.96	228	273	1.20	1378
	UNSUITABLE_GRADING					
	Excavation	50.72	36	36	1.00	
	Fill	0.00	0	0	1.00	1378
	Mass ordinate for UNSUITABLE_GRADING = 1021					
23+05.00	SUITABLE_GRADING					
	Excavation	0.00	0	0	1.00	
	Fill	299.22	56	67	1.20	1311
	UNSUITABLE_GRADING					
	Excavation	53.84	10	10	1.00	
	Fill	0.00	0	0	1.00	1311
	Mass ordinate for UNSUITABLE_GRADING = 1031					

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23+18.88	SUI TABLE_GRADING	Excavation	11.28	3	3	1.00	
		Fill	292.89	152	183	1.20	1131
	UNSUI TABLE_GRADING	Excavation	56.11	28	28	1.00	
		Fill	0.00	0	0	1.00	1131
		Mass ordinate for UNSUI TABLE_GRADING = 1059					
23+25.00	SUI TABLE_GRADING	Excavation	10.99	3	3	1.00	
		Fill	272.06	64	77	1.20	1057
	UNSUI TABLE_GRADING	Excavation	55.61	12	12	1.00	
		Fill	0.00	0	0	1.00	1057
		Mass ordinate for UNSUI TABLE_GRADING = 1071					
23+41.12	SUI TABLE_GRADING	Excavation	6.30	5	5	1.00	
		Fill	206.39	143	171	1.20	891
	UNSUI TABLE_GRADING	Excavation	51.44	32	32	1.00	
		Fill	0.00	0	0	1.00	891
		Mass ordinate for UNSUI TABLE_GRADING = 1103					
23+50.00	SUI TABLE_GRADING	Excavation	6.71	2	2	1.00	
		Fill	160.71	60	72	1.20	821
	UNSUI TABLE_GRADING	Excavation	48.22	17	17	1.00	
		Fill	0.00	0	0	1.00	821
		Mass ordinate for UNSUI TABLE_GRADING = 1120					
23+75.00	SUI TABLE_GRADING	Excavation	13.35	9	9	1.00	
		Fill	39.03	92	111	1.20	719
	UNSUI TABLE_GRADING	Excavation	35.33	39	39	1.00	
		Fill	0.00	0	0	1.00	719
		Mass ordinate for UNSUI TABLE_GRADING = 1159					
23+85.60	SUI TABLE_GRADING	Excavation	10.25	5	5	1.00	
		Fill	27.92	13	16	1.20	708
	UNSUI TABLE_GRADING	Excavation	32.29	13	13	1.00	
		Fill	0.00	0	0	1.00	708
		Mass ordinate for UNSUI TABLE_GRADING = 1172					
23+97.89	SUI TABLE_GRADING	Excavation	4.59	3	3	1.00	
		Fill	20.02	11	13	1.20	698
	UNSUI TABLE_GRADING	Excavation	29.96	14	14	1.00	
		Fill	0.00	0	0	1.00	698
		Mass ordinate for UNSUI TABLE_GRADING = 1186					
24+00.00	SUI TABLE_GRADING	Excavation	3.97	0	0	1.00	
		Fill	19.17	2	2	1.20	696
	UNSUI TABLE_GRADING	Excavation	29.61	2	2	1.00	
		Fill	0.00	0	0	1.00	696
		Mass ordinate for UNSUI TABLE_GRADING = 1188					
24+25.00	SUI TABLE_GRADING	Excavation	3.81	4	4	1.00	
		Fill	11.44	14	17	1.20	683

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	UNSUI TABLE_GRADING					
	Excavation	37.86	31	31	1.00	
	Fill	0.00	0	0	1.00	683
	Mass ordinate for UNSUI TABLE_GRADING = 1219					
24+50.00	SUI TABLE_GRADING					
	Excavation	19.31	11	11	1.00	
	Fill	3.70	7	8	1.20	686
	UNSUI TABLE_GRADING					
	Excavation	34.53	33	33	1.00	
	Fill	0.00	0	0	1.00	686
	Mass ordinate for UNSUI TABLE_GRADING = 1252					
24+55.00	SUI TABLE_GRADING					
	Excavation	19.04	4	4	1.00	
	Fill	3.49	1	1	1.20	689
	UNSUI TABLE_GRADING					
	Excavation	33.49	7	7	1.00	
	Fill	0.00	0	0	1.00	689
	Mass ordinate for UNSUI TABLE_GRADING = 1259					
24+63.90	SUI TABLE_GRADING					
	Excavation	21.35	7	7	1.00	
	Fill	3.47	1	1	1.20	695
	UNSUI TABLE_GRADING					
	Excavation	33.26	11	11	1.00	
	Fill	0.00	0	0	1.00	695
	Mass ordinate for UNSUI TABLE_GRADING = 1270					
24+75.00	SUI TABLE_GRADING					
	Excavation	23.33	9	9	1.00	
	Fill	3.52	1	2	1.20	702
	UNSUI TABLE_GRADING					
	Excavation	33.22	13	13	1.00	
	Fill	0.00	0	0	1.00	702
	Mass ordinate for UNSUI TABLE_GRADING = 1283					
24+87.43	SUI TABLE_GRADING					
	Excavation	18.37	10	10	1.00	
	Fill	4.64	2	2	1.20	710
	UNSUI TABLE_GRADING					
	Excavation	31.04	15	15	1.00	
	Fill	0.00	0	0	1.00	710
	Mass ordinate for UNSUI TABLE_GRADING = 1298					
25+00.00	SUI TABLE_GRADING					
	Excavation	17.86	8	8	1.00	
	Fill	5.64	2	3	1.20	715
	UNSUI TABLE_GRADING					
	Excavation	30.11	14	14	1.00	
	Fill	0.00	0	0	1.00	715
	Mass ordinate for UNSUI TABLE_GRADING = 1312					
25+25.00	SUI TABLE_GRADING					
	Excavation	13.55	15	15	1.00	
	Fill	6.96	6	7	1.20	723
	UNSUI TABLE_GRADING					
	Excavation	29.58	27	27	1.00	
	Fill	0.00	0	0	1.00	723
	Mass ordinate for UNSUI TABLE_GRADING = 1339					
25+33.00	SUI TABLE_GRADING					
	Excavation	13.16	4	4	1.00	
	Fill	7.09	2	2	1.20	725
	UNSUI TABLE_GRADING					
	Excavation	29.26	9	9	1.00	
	Fill	0.00	0	0	1.00	725

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 Mass ordinate for UNSUITABLE_GRADING = 1348

25+50.00	SUITABLE_GRADING					
	Excavation	11.31	8	8	1.00	
	Fill	6.72	4	5	1.20	728
	UNSUITABLE_GRADING					
	Excavation	28.68	18	18	1.00	
	Fill	0.00	0	0	1.00	728

Mass ordinate for UNSUITABLE_GRADING = 1366

GRAND SUMMARY TOTALS
 Material Name Unadjusted Volumes Adjusted Volumes Mult Factor
 (cu. yd.) (cu. yd.)

SUITABLE_GRADING	Excavation	2321	2321	1.00
	Fill	1333	1593	1.20
UNSUITABLE_GRADING	Excavation	1366	1366	1.00
	Fill	0	0	1.00
S P L I T S U M M A R Y T O T A L S				

Add/Sub	Quant		XS Quant	XS Quant	Add/Sub	Quant
Adjusted	Material Name		Unadjusted	Adjusted	Unadjusted	
Volume	Mult		Volume	Volume	Volume	
Factor			(cu. yd.)	(cu. yd.)	(cu. yd.)	(cu. yd.)

	SUITABLE_GRADING					
0	1.00	Excavation	2321	2321		0
0	1.20	Fill	1333	1593		0
	UNSUITABLE_GRADING					
0	1.00	Excavation	1366	1366		0
0	1.00	Fill	0	0		0

**JOHNSON COUNTY BRIDGE RECONSTRUCTION
CANAL ROAD BRIDGE/ROCK CREEK
PLAN HOLDER'S LIST**

#	Company Name, Address & Phone Number	Email & Fax Number	Paid	Amend 1	Amend 2	Amend 3
1	Johnson County Road & Bridge	Per email from Cheryl Customer Copy	N/A	X	X	
2	Diamond Point Construction PO Box 269 Buffalo, WY 82834 307-684-2175 - Becky	jakehatch@yahoo.com 307-684-2175 Per email from Cheryl	X	X	X	
3	S&S Builders LLC 400 Enterprise Gillette, WY 82716 307-686-5659 - Kurt VOID LOST IN MAIL	kcountryman@ssbuildersllc.com 307-682-9335 Per email from Cheryl	X	X	X	
4	JB Skinner Concrete & Excavating 403 Upper Road Sheridan, WY 82801 307-752-9912	jb.skinner@yahoo.com No. Fax Per email from Cheryl	X	X	X	
5	CC&G Inc. 431 Main St. Suite 2 Lander WY 82520 307-332-4981	ccginc@wyoming.com 307-332-2987 Per email from Cheryl	X	X	X	
6	Billings Builder Xchange 2050 Broadwater #A Billings, MT 59102	bbx@billingsplanroom.com 406-652-1311 - Stacey	N/A	X	X	
7	Northwest WY Contractors Plan Room 314 S. Gillette Ave. Gillette, WY 82716	katiea@gillettechamber.com 307-682-3673 - Katie	N/A	X	X	
8	The Bid Center 800 E. A. Street Casper, WY 82607	sherri@atlasreproduction.com 307-234-9331 - Sherri	N/A	X	X	
9	Construction Industry 2771 Plant Street Rapid City, SD 57702	kasi@constructionindustrycenter.com 605-343-5252 - Kasi	N/A	X	X	
10	DRM Inc. 2920 Jarman Rd. Gillette, WY 82801 307-682-0325 - Don	donm@drmwyo.com 307-682-3130	X	X	X	
11	Constructor's Services 1555 Cherry Drive Gillette, WY 82716 307-686-7452 - David Bell	conserv@qwestoffice.net Per email from Cheryl	X	X	X	
12	North Star PO Box 250 Buffalo, WY 82834 307-684-5933 - Chris Jones	bids@nstarec.com	X	X	X	
13	S&S Builders LLC 400 Enterprise Gillette, WY 82716 307-686-5659 - Kurt	kcountryman@ssbuildersllc.com 307-682-9335 Per email from Cheryl	X	X	X	

**JOHNSON COUNTY BRIDGE RECONSTRUCTION
CANAL ROAD BRIDGE/ROCK CREEK
PLAN HOLDER'S LIST**

	Company Name, Address & Phone Number	Email & Fax Number	Paid	Amend 1	Amend 2	Amend 3
14	Powder River Construction PO Box 2020 Gillette, WY 82717 307-680-7769 Lance Walker	lwalker@prcwy.com	X	X	X	
15	Reiman Corp 2400 West College Drive Cheyenne, WY 82003 307-632-8971	allen@reimancorp.com 307-632-8972	X	X	X	
16	Bozeman Builders Exchange 2205 Reeves Road West, Ste. 800 Bozeman, MT 59718 406-586-7653	exchange@bozemanplanroom.com 888-727-7389	N/A	X	X	
17	COP Wyoming LLC 1949 Sugarland Dr. PO Box 979 Sheridan, WY 82801 307-673-2570	cpeterson@copwy.com	X	X	X	
18	Fletcher Construction 1866 S. Sheridan Ave. Sheridan, WY 82801 307-672-2457	office@fletcherconstruction.com 307-672-0259	X	X	X	
19	Mountain View Building, Inc. 237 N. Main St. Ste. 200 Sheridan, WY 82801 307-675-1822	jacob.fritz@centennialconnect.com	X	X	X	
20	Simon Contractors 800 Lake Drive North Platte, NE 69101 308-532-8600	ltompson@simoncontractors.com 308-532-3065	X	X	X	
21	Corr Construction Services 24176 Alkan Lane PO Box 170 Hermosa SD 57744 605-255-5456	corrinc@mt-rushmore.net 605-255-5781	X	X	X	
22	Barnum Construction, Inc. 620 Main St. PO Box 82 Buffalo, WY 82834 307-684-5365	ben@barnuminc.com 307-684-5766	X	X	X	
23	TCA LLC 500 E. Kagy Blvd Bozeman, MT 59715-5824 406-580-5816 Tracy C	tcallc@hotmail.com	X	X	X	
24	Remains w/Cheryl @ JCR&B			X	X	
25	iSqFt Plan Room 1030 W. Ellsworth Ave. Unit G Denver, CO 80223	ColoradoPlanRoom@isqft.com 800-364-2059	N/A	X	X	
26						