

DATE March 7, 2016

**ACCEPTING COMPLETED CONSTRUCTION AND APPROVING FINAL PAYMENT
FOR ARMY POST ROAD BRIDGE OVER GREAT WESTERN TRAIL, C. J. MOYNA & SONS, INC.**

BE IT RESOLVED BY THE CITY COUNCIL OF THE CITY OF DES MOINES, IOWA: That the attached report of the Des Moines City Engineer, showing the cost of the construction of the Army Post Road Bridge Over Great Western Trail, 12-2011-001, in accordance with the contract approved between C. J. Moyna & Sons, Inc., John P. Moyna, President, 24412 Hwy 13, Elkader, IA 52043, under Roll Call No. 13-1600, of October 7, 2013, and the City of Des Moines, and recommending the acceptance thereof, be and the same is hereby approved, and accepted, and

BE IT FURTHER RESOLVED: That \$1,651,514.77 is the total cost, of which \$1,595,775.88 has been paid the Contractor, and \$6,193.45 is now due and is hereby approved as final partial payment for the above project, the remaining balance of \$49,545.44 is to be paid at the end of thirty days, with funds retained for unresolved claims on file in accordance with Iowa Code Chapter 573.

BE IT FURTHER RESOLVED: That the City Manager be and is hereby authorized and directed to certify the Pollution Prevention Plan Inspection Summary and the NPDES Stormwater General Permit Notice of Discontinuation for the above referenced project on behalf of the City of Des Moines and submit said documents to the Iowa Department of Natural Resources.

BE IT FURTHER RESOLVED: That the Des Moines Finance Director be and is hereby authorized to release said retainage if suit is not filed as above provided.

Moved by _____ to adopt.

FORM APPROVED:

FUNDS AVAILABLE





Kathleen Vanderpool
Deputy City Attorney

Daniel E. Ritter
Des Moines Finance Director

Funding Source: 2013-2014, Page Bridge - 4, Army Post Road Bridge Over Great Western Trail, BR043, Being: \$915,499.77 from Army Post Road Bridge over Great Western Trail, BR043, Gaming Monies; and \$336,015 per the Iowa Department of Transportation Agreement 2001-TJ-002 for Transfer of Public Road Jurisdiction; and the remaining \$400,000 from Page Bridge-5, City-wide Bridges, BR003, G.O. Bonds

COUNCIL ACTION	YEAS	NAYS	Pass	ABSENT
COWNIE				
COLEMAN				
GATTO				
GRAY				
HENSLEY				
MOORE				
WESTERGAARD				
TOTAL				

CERTIFICATE

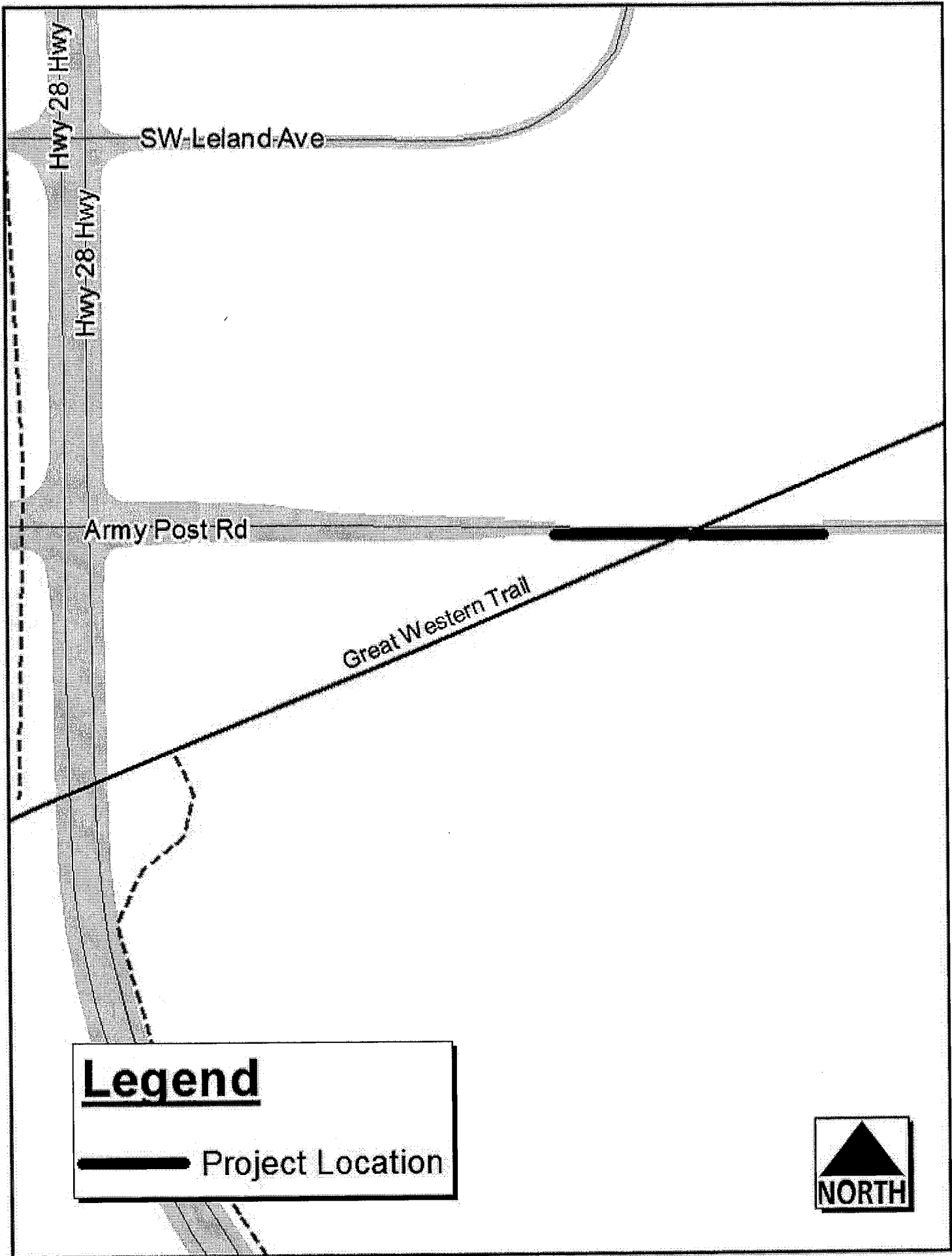
I, DIANE RAUH, City Clerk of said City hereby certify that at a meeting of the City Council of said City of Des Moines, held on the above date, among other proceedings the above was adopted.

IN WITNESS WHEREOF, I have hereunto set my hand and affixed my seal the day and year first above written.

MOTION CARRIED APPROVED

Mayor

City Clerk





PROJECT SUMMARY

Army Post Road Bridge Over Great Western Trail

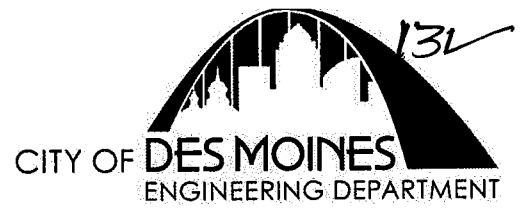
Activity ID 12-2011-001

On October 7, 2013, under Roll Call No. 13-1600, the Council awarded the contract for the above improvements to C. J. Moyna & Sons, Inc., in the amount of \$1,487,239.93. Tabulated below is a history of project change orders.

Change Order No.	Initiated By	Description	Amount
1	Contractor	5/30/2014 Add advance road closure signs, core-out/replace unacceptable material for temporary trail detour, add stabilization rock for storm sewer installation; remove & dispose of existing guardrail.	\$10,586.89
2	Engineering	10/10/2014 Install backslope drain longitudinally along trail to help correct slope stability and erosion.	\$21,175.00
3	Engineering	12/15/2014 Add bonded fiber matrix hydromulch to stabilize for winter, remove abandoned water main and cap, remove boulders, adjust granular shoulder and concrete pavement items to final quantity, add additional 14.5 working days to the contract period for extra work performed.	\$23,036.65
4	Engineering	1/22/2015 Add additional off-site top soil and add bonded fiber matrix hydromulch for site stabilization. Remove stabilized construction entrance.	\$24,795.00
5	Engineering	3/9/2015 Add additional roadway core-out due to poor subgrade, and increase quantities for asphalt millings for trail construction and silt fence for site stabilization.	\$22,388.36
6	Engineering	5/5/2015 Add additional Class E revetment and erosion stone required to address erosion control needs.	\$23,407.00
7	Engineering	8/24/2015 Adjustment contract quantities to as-built quantities.	\$36,500.94
8	Engineering	2/3/2016	\$2,385.00

Final adjustment of quantities due to necessary tree re-planting in wetland mitigation areas.

Original Contract Amount	\$1,487,239.93
Total Change Orders	\$164,274.84
Percent of Change Orders to Original Contract	11.05%
Total Contract Amount	\$1,651,514.77



March 7, 2016

CERTIFICATION OF COMPLETION

AGENDA HEADING:

Accepting completed construction and approving final payment for the Army Post Road Bridge Over Great Western Trail, C. J. Moyna & Sons, Inc..

SYNOPSIS:

Approve the Engineer's Certification of Completion, accept construction of said improvement, and authorize final payment to the contractor.

FISCAL IMPACT:

Amount: \$1,651,514.77 As-Built Contract Cost

Funding Source: 2013-2014, Page Bridge - 4, Army Post Road Bridge Over Great Western Trail, BR043, Being: \$915,499.77 from Army Post Road Bridge over Great Western Trail, BR043, Gaming Monies; and \$336,015 per the Iowa Department of Transportation Agreement 2001-TJ-002 for Transfer of Public Road Jurisdiction; and the remaining \$400,000 from Page Bridge-5, City-wide Bridges, BR003, G.O. Bonds

CERTIFICATION OF COMPLETION:

On October 7, 2013, under Roll Call No. 13-1600, the City Council awarded a contract to C. J. Moyna & Sons, Inc., John P. Moyna, President, 24412 Hwy 13, Elkader, IA 52043 for the construction of the following improvement:

Army Post Road Bridge Over Great Western Trail, 12-2011-001

The improvement includes removal of the existing bridge and substructure, roadway grading and paving, recreational tunnel/underpass construction, recreational trail removal and replacement on new alignment, installation of storm sewer, revetment and engineering fabric, wetland basin grading and construction, wetland plantings, wetland basin overflow weir construction, traffic control, temporary trail detour pavement, erosion control, and mobilization; all in accordance with the contract documents including Plan File Nos. 549-164/235, on Army Post Road over Great Western Trail just east of Highway 28, Des Moines, Iowa

I hereby certify that the construction of said Army Post Road Bridge Over Great Western Trail, Activity ID 12-2011-001, has been completed in substantial compliance with the terms of said contract, and I hereby recommend that the work be accepted. The work commenced on November 1, 2013, and was completed on February 19, 2016.

I further certify that \$1,651,514.77 is the total cost of said improvement, of which \$1,595,775.88 has been paid the Contractor and \$6,193.45 is now due and is hereby approved as final partial payment for the above project, the remaining balance of \$49,545.44 is to be paid at the end of thirty days, with funds retained for unresolved claims on file in accordance with Iowa Code Chapter 573. The amount of completed work is shown on the attached Estimate of Construction Completed.

Handwritten signature of Pamela S. Cooksey in black ink, with the initials 'PSC' written below it.

Pamela S. Cooksey, P.E.
Des Moines City Engineer

ENGINEERING DEPARTMENT
CITY OF DES MOINES, IOWA



ESTIMATE OF CONSTRUCTION COMPLETED

FOR WORK DONE FROM 9/1/15 to 10/29/15

PARTIAL PAYMENT NO. 20 (FINAL)

Proj No:

Activity ID: 12-2011-001

Date: 2/3/2016

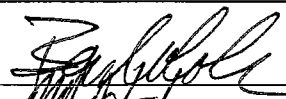

PROJECT: ARMY POST ROAD BRIDGE OVER GREAT WESTERN TRAIL
CONTRACTOR: CJ MOYNA & SONS, INC.

LINE NO.	DESCRIPTION	UNIT	UNITS			UNIT PRICE	TOTAL AMOUNT
			ESTIMATED	AUTHORIZED	CONSTRUCTED TO DATE		
1.1	MOBILIZATION	LS	1.000	1.000	1.000	\$ 54,000.00	\$54,000.00
2.1	CLEARING & GRUBBING	LS	1.000	1.000	1.000	\$ 58,000.00	\$58,000.00
2.2	TOPSOIL, OFF SITE	CY	1,710.000	4,116.000	4,116.000	\$ 16.00	\$65,856.00
2.3	EXCAVATION, CLASS 10, ROADWAY WASTE	CY	50,318.000	50,318.000	50,318.000	\$ 4.80	\$241,526.40
2.4	SUBGRADE PREPARATION, 6 IN.	SY	895.000	931.100	931.100	\$ 2.40	\$2,234.64
2.5	SUBGRADE PREPARATION, 12 IN.	SY	5,530.000	5,530.000	5,530.000	\$ 0.80	\$4,424.00
2.6	MODIFIED SUBBASE, 6 IN. (FURNISH & PLACE)	CY	1,071.000	1,086.000	1,086.000	\$ 37.60	\$40,833.60
2.7	REMOVALS, AS PER PLAN	LS	1.000	1.000	1.000	\$ 8,000.00	\$8,000.00
2.8	REMOVAL OF PAVEMENT	SY	3,100.000	3,219.600	3,219.600	\$ 5.50	\$17,707.80
2.9	REMOVAL OF RECREATIONAL TRAIL	SY	1,050.000	1,034.400	1,034.400	\$ 3.00	\$3,103.20
2.10	REMOVAL OF PIPE CULVERT GREATER THAN 36 IN.	LF	52.000	52.000	52.000	\$ 50.00	\$2,600.00
2.11	ASPHALT MILLINGS, 6 IN. (TEMPORARY)	CY	186.000	295.500	295.500	\$ 42.00	\$12,411.00
2.12	ASPHALT MILLINGS, 6 IN. (PLACE ONLY)	CY	100.000	87.000	87.000	\$ 22.00	\$1,914.00
2.13	SHOULDER CONSTRUCTION, EARTH	STA	37.000	38.200	38.200	\$ 220.00	\$8,404.00
2.14	SHOULDER CONSTRUCTION, GRANULAR	CY	160.000	219.000	219.000	\$ 46.00	\$10,074.00
4.1	STORM SEWER, TRENCHED, DIP, 8 IN.	LF	57.000	57.000	57.000	\$ 75.00	\$4,275.00
4.2	STORM SEWER, TRENCHED, RCP, CLASS III, 18 IN.	LF	30.000	28.000	28.000	\$ 120.00	\$3,360.00
4.3	STORM SEWER, TRENCHED, RCP, CLASS IV, 66 IN.	LF	260.000	260.000	260.000	\$ 350.00	\$91,000.00
4.4	PIPE APRON, CONCRETE, 18 IN.	EA	1.000	1.000	1.000	\$ 2,075.00	\$2,075.00
4.5	PIPE APRON, CONCRETE, 66 IN.	EA	2.000	2.000	2.000	\$ 3,775.00	\$7,550.00
4.6	BEND-LONG RADIUS, VERTICAL, RCP, CLASS IV, 66 IN.	EA	2.000	2.000	2.000	\$ 1,600.00	\$3,200.00
4.7	BEND-LONG RADIUS, HORIZONTAL, RCP, CLASS IV, 66 IN.	EA	7.000	7.000	7.000	\$ 1,200.00	\$8,400.00
7.1	PAVEMENT, PCC, CLASS C, 8 IN.	SY	4,305.000	4,375.100	4,375.100	\$ 38.50	\$168,441.35
7.2	PAVEMENT REINFORCED, PCC, CLASS C, 8 IN.	SY	375.000	373.300	373.300	\$ 55.00	\$20,531.50
7.3	PAVEMENT, HMA, 6 IN.	SY	815.000	1,637.800	1,637.800	\$ 39.00	\$63,874.20
7.4	RECREATIONAL TRAIL, REINFORCED, PCC, 5 IN.	SY	90.000	102.500	102.500	\$ 65.00	\$6,662.50
7.5	RECREATIONAL TRAIL, HMA, 5 IN.	SY	804.000	0.000	0.000	\$ 35.00	\$0.00
7.6	SPECIAL SUBGRADE PREPARATION FOR RECREATIONAL TRAIL	SY	1,040.000	544.300	544.300	\$ 1.60	\$870.88
7.7	PAVED SHOULDER, PCC, 8 IN.	SY	215.000	214.400	214.400	\$ 40.00	\$8,576.00
7.8	TEMPORARY DETOUR PAVEMENT, 4 IN.	SY	100.000	71.200	71.200	\$ 75.00	\$5,340.00
8.1	POSTS FOR SIGNS, STEEL	LF	120.000	88.100	88.100	\$ 25.00	\$2,202.50
8.2	TYPE A SIGNS	SF	56.000	78.000	78.000	\$ 50.00	\$3,900.00

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LINE NO.	DESCRIPTION	UNIT	UNITS			UNIT PRICE	TOTAL AMOUNT
			ESTIMATED	AUTHORIZED	CONSTRUCTED TO DATE		
8.3	PAINTED PAVEMENT MARKINGS, WATERBORNE/SOLVENT	STA	81.000	71.400	71.400	\$ 35.00	\$2,499.00
8.4	TRAFFIC CONTROL	LS	1.000	1.000	1.000	\$ 15,000.00	\$15,000.00
8.5	SAFETY FENCE	LF	1,705.000	1,185.000	1,185.000	\$ 2.00	\$2,370.00
8.6	CONSTRUCTION ACCESS & STAGING	LS	1.000	1.000	1.000	\$ 8,000.00	\$8,000.00
9.1	HYDRAULIC SEEDING, FERTILIZING & MULCHING, TYPE 2	AC	3.170	4.800	4.800	\$ 1,550.00	\$7,440.00
9.2	HYDRAULIC SEEDING, FERTILIZING & MULCHING, TYPE 5	AC	3.170	5.760	5.760	\$ 1,440.00	\$8,294.40
9.3	STORMWATER POLLUTION PREVENTION PLAN (PREP., MANAGEMENT)	LS	1.000	1.000	1.000	\$ 4,000.00	\$4,000.00
9.4	TEMPORARY ROLLED EROSION CONTROL PRODUCT (RECP)	SY	2,050.000	1,287.100	1,287.100	\$ 1.10	\$1,415.81
9.5	TURF REINFORCEMENT MATS (TRM)	SY	1,200.000	1,306.700	1,306.700	\$ 6.80	\$8,885.56
9.6	SILT FENCE, INSTALLATION	LF	4,250.000	6,569.000	6,569.000	\$ 1.65	\$10,838.85
9.7	SILT FENCE, REMOVAL OF SEDIMENT	LF	4,250.000	0.000	0.000	\$ 0.50	\$0.00
9.8	SILT FENCE, REMOVAL OF DEVICE	LF	4,250.000	3,743.000	3,743.000	\$ 0.10	\$374.30
9.9	STABILIZED CONSTRUCTION ENTRANCE	TON	75.000	0.000	0.000	\$ 40.00	\$0.00
9.10	EROSION STONE	TON	260.000	329.280	329.280	\$ 40.00	\$13,171.20
9.11	REVTMENT FOR OUTLET PROTECTION, CLASS E, W/FABRIC	TON	705.000	1,350.170	1,350.170	\$ 45.00	\$60,757.65
9.12	FENCE, FIELD	LF	32.000	32.000	32.000	\$ 35.00	\$1,120.00
9.13	FENCE, TEMPORARY, INSTALLATION & REMOVAL	LF	506.000	506.000	506.000	\$ 4.75	\$2,403.50
9.14	REMOVAL OF FIELD FENCE	LF	640.000	0.000	0.000	\$ 2.00	\$0.00
9.15	GATE, FIELD FENCE, 16 FT.	EA	2.000	2.000	2.000	\$ 350.00	\$700.00
9.16	TREE PROTECTION PLAN	LS	1.000	1.000	1.000	\$ 1,500.00	\$1,500.00
9.17	TREE PROTECTION FENCE	LF	895.000	1,035.000	1,035.000	\$ 2.20	\$2,277.00
9.18	PROJECT SIGN LARGE-STANDARD	EA	1.000	1.000	1.000	\$ 2,000.00	\$2,000.00
12.1	MODIFIED SUBBASE	CY	405.000	405.000	405.000	\$ 38.00	\$15,390.00
12.2	REMOVAL OF EXISTING BRIDGE	LS	1.000	1.000	1.000	\$ 82,000.00	\$82,000.00
12.3	GRANULAR BACKFILL	CY	1,841.000	1,841.000	1,841.000	\$ 30.00	\$55,230.00
12.4	EXCAVATION, CLASS 20	CY	450.000	450.000	450.000	\$ 13.00	\$5,850.00
12.5	STRUCTURAL CONCRETE (RCB)	CY	326.400	326.400	326.400	\$ 450.00	\$146,880.00
12.6	REINFORCING STEEL	LB	54,785.000	54,785.000	54,785.000	\$ 0.90	\$49,306.50
12.7	FENCE, CHAIN LINK, 42" HEIGHT	LF	297.500	297.500	297.500	\$ 32.75	\$9,743.13
12.8	UNDERPASS LIGHTING	LS	1.000	1.000	1.000	\$ 12,000.00	\$12,000.00
13.1	EXCAVATION, CLASS 10, WETLAND WASTE	CY	14,800.000	14,800.000	14,800.000	\$ 5.70	\$84,360.00
13.2	CONSERVATION EASEMENT SIGN	EA	8.000	8.000	8.000	\$ 120.00	\$960.00
13.3	SEED, BUFFER SEED MIX	AC	1.900	1.900	1.900	\$ 1,895.00	\$3,600.50
13.4	SEED, EMERGENT SEED MIX	AC	0.300	0.300	0.300	\$ 8,000.00	\$2,400.00
13.5	SEED, WET MEADOW SEED MIX	AC	1.500	1.500	1.500	\$ 1,210.00	\$1,815.00
13.6	SEED, TYPE 5 (RURAL TEMPORARY EROSION CONTROL MIXTURE)	AC	3.700	0.000	0.000	\$ 100.00	\$0.00
13.7	TREES, FURNISHED AND INSTALLED (WITH WARRANTY)	EA	100.000	117.000	117.000	\$ 120.00	\$14,040.00
13.8	WIRE MESH TREE GUARDS	EA	100.000	117.000	117.000	\$ 15.00	\$1,755.00
13.9	MULCH, WOOD CHIPS	CY	15.000	18.000	18.000	\$ 30.00	\$540.00
13.10	MULCH	AC	3.700	3.700	3.700	\$ 600.00	\$2,220.00
13.11	REVTMENT FOR SPILLWAY, CLASS E, W/FABRIC	TON	42.000	48.430	48.430	\$ 60.00	\$2,905.80

LINE NO.	DESCRIPTION	UNIT	UNITS			UNIT PRICE	TOTAL AMOUNT
			ESTIMATED	AUTHORIZED	CONSTRUCTED TO DATE		
C.O. No. 1							
1.01	ADVANCE ROAD CLOSURE SIGNS	LS	1.000	1.000	1.000	\$ 230.45	\$230.45
1.02	CORE-OUT Phase IB TEMP. DETOUR	CY	411.000	1,570.000	1,570.000	\$ 11.04	\$17,332.80
1.03	GUARDRAIL REMOVAL	LF	433.000	433.000	433.000	\$ 5.50	\$2,381.50
1.04	3" STABILIZATION ROCK	TON	125.000	149.100	149.100	\$ 27.50	\$4,100.25
C.O. No. 2							
2.01	4" Diam. Backslope Drain	LF	215.000	215.000	215.000	\$ 55.00	\$11,825.00
2.02	Porous Backfill	TON	50.000	68.800	68.800	\$ 55.00	\$3,784.00
2.03	Mobilization for Backslope Drain	LS	1.000	1.000	1.000	\$ 6,600.00	\$6,600.00
C.O. No. 3							
3.01	Bonded Fiber Matrix Hydromulch	ACRE	4.000	8.030	8.030	\$ 3,300.00	\$26,499.00
3.02	Removal/Capping of Abandoned Watermain	LS	1.000	1.000	1.000	\$ 9,215.00	\$9,215.00
3.03	Boulder Removal	CY	3.250	3.250	3.250	\$ 48.00	\$156.00
C.O. No. 4							
4.01	LIQUIDATED DAMAGES		"Begin" Date	"End" Date			
	INTERMEDIATE COMPLETION PROVISION NO. 4	CDAY	8/23/2014	8/28/2014	6.000	(\$1,000.00)	(\$6,000.00)
	ORIGINAL CONTRACT AMOUNT		\$1,487,239.93				
	TOTAL CONTRACT AMOUNT PLUS CHANGE ORDERS		\$1,651,514.77				
	PARTIAL PAYMENT NO. 1		\$21,576.87				
	PARTIAL PAYMENT NO. 2		\$53,059.00				
	PARTIAL PAYMENT NO. 3		\$4,008.82				
	PARTIAL PAYMENT NO. 4		\$40,455.87				
	PARTIAL PAYMENT NO. 5		\$25,012.50				
	PARTIAL PAYMENT NO. 6		\$79,276.43				
	PARTIAL PAYMENT NO. 7		\$113,892.73				
	PARTIAL PAYMENT NO. 8		\$121,185.88				
	PARTIAL PAYMENT NO. 9		\$45,081.50				
	PARTIAL PAYMENT NO. 10		\$129,702.99				
	PARTIAL PAYMENT NO. 11		\$177,433.86				
	PARTIAL PAYMENT NO. 12		\$181,351.58				
	PARTIAL PAYMENT NO. 13		\$431,759.25				
	PARTIAL PAYMENT NO. 14		\$48,903.92				
	PARTIAL PAYMENT NO. 15		\$32,553.10				
	PARTIAL PAYMENT NO. 16		\$1,917.50				
	PARTIAL PAYMENT NO. 17		\$32,976.80				
	PARTIAL PAYMENT NO. 18		\$23,956.78				
	PARTIAL PAYMENT NO. 19		\$31,670.50				
	THIS PARTIAL PAYMENT		\$6,193.45				
	TOTAL PARTIAL PAYMENTS		\$1,601,969.33				
	BALANCE		\$49,545.44				

PREPARED BY: 
CHECKED BY: 

TOTAL	\$1,651,514.77
RETAINAGE (3%, No Limit)	\$49,545.44
TOTAL LESS RETAINAGE	\$1,601,969.33
LESS PREVIOUS PAYMENT	\$1,595,775.88
AMOUNT DUE	\$6,193.45

PARTIAL PAYMENT NO. 20 (FINAL)

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