



Roll Call Number

Agenda Item Number

16A

DATE June 27, 2022

ACCEPTING COMPLETED CONSTRUCTION AND APPROVING FINAL PAYMENT FOR DES MOINES RIVER REGIONAL TRAIL - PHASE 2, PETERSON CONTRACTORS, 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 Des Moines River Regional Trail - Phase 2, 112016005, in accordance with the contract approved between Peterson Contractors, Inc., Cordell Peterson, President, 104 Blackhawk Street, Reinbeck, IA 50669-1012, under Roll Call No. 19-0600, of April 8, 2019, and the City of Des Moines, and recommending the acceptance thereof, be and the same is hereby approved, and accepted.

BE IT FURTHER RESOLVED: That \$2,238,425.37 is the total cost, of which \$2,166,103.13 has been paid the Contractor, and \$42,322.24 is now due and is hereby approved as final partial payment for the above project, the remaining balance of \$30,000.00 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 Director of Finance be and is hereby authorized to release said retainage if suit is not filed as above provided.

Moved by _____ to adopt. Second by _____

FORM APPROVED:

FUNDS AVAILABLE

Kathleen Vanderpool

Nickolas J. Schaul BB

Kathleen Vanderpool
Deputy City Attorney

Nickolas J. Schaul
Director of Finance

Funding Source: 2022-23 CIP, Page 69, Multi-Use Trails, PK045, Being: \$1,100,000 maximum in Federal funds from Transportation Alternative Program (TAP), and Surface Transportation Block Grant Program (STBG), and \$250,000 in Federal Recreation Trail Grant for 80% eligible construction costs only under IDOT Project No. TAP-T-1945(837)—8V-77; \$300,000 Iowa DNR REAP Grant, Agreement 17-R4-DY; and the remaining \$588,425.37 from Multi-Use Trails, PK045, G.O. Bonds 17-R4-DY

SLN
pw

COUNCIL ACTION	YEAS	NAYS	PASS	ABSENT
COWNIE				
BOESEN				
GATTO				
MANDELBAUM				
SHEUMAKER				
VOSS				
WESTERGAARD				
TOTAL				

I, Laura Baumgartner, Acting City Clerk of said City Council, hereby certify that at a meeting of the City Council, 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

Acting City Clerk



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PROJECT SUMMARY

Des Moines River Regional Trail - Phase 2

Activity ID 112016005

On April 8, 2019, under Roll Call No. 19-0600, the Council awarded the contract for the above improvements to Peterson Contractors, Inc., in the amount of \$1,813,318.59. Tabulated below is a history of project change orders.

Change Order No.	Initiated By	Description	Amount
1	Engineering	12/20/2019 Changes to Clearing and Grubbing due to additional removal of wood chips.	\$42,078.38
2	Engineering	1/24/2020 Tree clearing and subgrade repair.	\$48,648.44
3	Engineering	4/8/2020 Subgrade repair and improvements and replacement of INT1 structure.	\$46,086.00
4	Engineering	6/5/2020 Ensure drainage under trail in multiple locations.	\$40,042.05
5	User	7/28/2020 Adjustments to bridge abutment for walk bridge.	\$24,000.00
6	Contractor	9/14/2020 Storm drainage erosion repair and subgrade stabilization of trail.	\$164,668.01
7	Engineering	10/14/2020 Subgrade repair, material change from HMA to PCC trail, additional signs	\$29,494.04
8	City	5/11/2022 Adjustment of quantities to as-built measurements and liquidated damages.	\$30,089.86
Original Contract Amount			\$1,813,318.59
Total Change Orders			\$425,106.78
Percent of Change Orders to Original Contract			23.44%
Total Contract Amount			\$2,238,425.37

June 27, 2022



CERTIFICATION OF COMPLETION

AGENDA HEADING:

Accepting completed construction and approving final payment for the Des Moines River Regional Trail - Phase 2, Peterson Contractors, Inc..

SYNOPSIS:

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

FISCAL IMPACT:

Amount: \$2,238,425.37 As-Built Contract Cost

Funding Source: 2022-23 CIP, Page 69, Multi-Use Trails, PK045, Being: \$1,100,000 maximum in Federal funds from Transportation Alternative Program (TAP), and Surface Transportation Block Grant Program (STBG), and \$250,000 in Federal Recreation Trail Grant for 80% eligible construction costs only under IDOT Project No. TAP-T-1945(837)—8V-77; \$300,000 Iowa DNR REAP Grant, Agreement 17-R4-DY; and the remaining \$588,425.37 from Multi-Use Trails, PK045, G.O. Bonds

CERTIFICATION OF COMPLETION:

On April 8, 2019, under Roll Call No. 19-0600, the City Council awarded a contract to Peterson Contractors, Inc., Cordell Peterson, President, 104 Blackhawk Street, Reinbeck, IA 50669-1012 for the construction of the following improvement:

Des Moines River Regional Trail - Phase 2, 112016005

The improvement includes the construction of a 10-foot-wide, 5-inch thick Hot Mix Asphalt (HMA) recreational trail, Portland Cement Concrete (PCC) sidewalk and sidewalk ramps, drainage improvements, cast-in-place reinforced concrete box culvert, pre-engineered steel truss trail bridge and abutments, fencing, trail signage, traffic signs and sign posts, traffic control, grading, site restoration, erosion control, and other associated work and incidental items; in accordance with the contract documents, including Plan File Nos. 605-053/207, from the intersection of Hartford Avenue and S.E. 22nd Street to the intersection of Watrous Avenue and S.E. 30th Court, Des Moines, Iowa

I hereby certify that the construction of said Des Moines River Regional Trail - Phase 2, Activity ID 112016005, 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 July 11, 2019, and was completed on May 31, 2020.

I further certify that \$2,238,425.37 is the total cost of said improvement, of which \$2,166,103.13 has been paid the Contractor and \$42,322.24 is now due and is hereby approved as final partial payment for the above project, the remaining balance of \$30,000.00 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.



Steven L. Naber, P.E.
Des Moines City Engineer

16A

ENGINEERING DEPARTMENT
CITY OF DES MOINES, IOWA



ESTIMATE OF CONSTRUCTION COMPLETED
FOR WORK DONE FROM 02/02/22 to 05/11/22
FINAL PAYMENT (PAYMENT NO. 12)

IDOT #: TAP-T-1945(837)--8V-77
ACTIVITY ID: 11-2016-005
DATE: 5/11/2022

PROJECT: DES MOINES RIVER REGIONAL TRAIL PHASE 2
CONTRACTOR: PETERSON CONTRACTORS, INC.

ITEM NO.	DESCRIPTION	UNIT	QUANTITIES				UNIT PRICE	TOTAL AMOUNT
			ESTIMATED	AUTHORIZED	CONSTRUCTED TO DATE	CONSTRUCTED THIS PERIOD		
1	CLEARING AND GRUBBING	ACRE	7.50	0.00	0.00	0.00	\$ 7,300.00	\$0.00
2	EXCAVATION, CLASS 10, ROADWAY AND BORROW	CY	18,641.80	19,739.80	19,739.80	0.00	\$ 8.60	\$169,762.28
3	TOPSOIL, STRIP, SALVAGE AND SPREAD	CY	5,489.80	5,489.80	5,489.80	0.00	\$ 7.65	\$41,996.97
4	COMPACTION WITH MOISTURE AND DENSITY CONTROL	CY	3,600.00	3,600.00	3,600.00	0.00	\$ 2.25	\$8,100.00
5	SUBGRADE STABILIZATION MATERIAL, POLYMER GRID	SY	2,000.00	0.00	0.00	0.00	\$ 1.80	\$0.00
6	MODIFIED SUBBASE	CY	3,930.50	4,674.28	4,674.28	0.00	\$ 45.60	\$213,147.17
7	SHOULDER FINISHING, EARTH	STA	265.00	265.00	265.00	0.00	\$ 55.00	\$14,575.00
8	ASPHALT EMULSION FOR FOG SEAL (PAVEMENT)	GAL	1,735.00	1,007.50	1,007.50	0.00	\$ 6.00	\$6,045.00
9	FLOODED BACKFILL	CY	320.00	168.82	168.82	0.00	\$ 45.00	\$7,596.90
10	STRUCTURAL CONCRETE (RCB CULVERT)	CY	108.20	108.20	108.20	0.00	\$ 667.00	\$72,169.40
11	REINFORCING STEEL	LB	18,178.00	18,178.00	18,178.00	0.00	\$ 1.80	\$32,720.40
12	APRONS, CONCRETE, 15 IN. DIA.	EACH	11.00	20.00	20.00	0.00	\$ 1,300.00	\$26,000.00
13	APRONS, CONCRETE, 18 IN. DIA.	EACH	12.00	12.00	12.00	3.00	\$ 1,400.00	\$16,800.00
14	APRONS, CONCRETE, 24 IN. DIA.	EACH	7.00	7.00	7.00	0.00	\$ 1,650.00	\$11,550.00
15	APRONS, CONCRETE, 30 IN. DIA.	EACH	1.00	1.00	1.00	0.00	\$ 1,925.00	\$1,925.00
16	APRONS, CONCRETE, 36 IN. DIA.	EACH	2.00	2.00	2.00	0.00	\$ 2,450.00	\$4,900.00
17	APRONS, CONCRETE, 42 IN. DIA.	EACH	2.00	2.00	2.00	0.00	\$ 2,825.00	\$5,650.00
18	CULVERT, 3000D CONCRETE ENTRANCE PIPE, 15 IN. DIA.	LF	97.00	234.00	234.00	50.00	\$ 70.00	\$16,380.00
19	CULVERT, 3000D CONCRETE ENTRANCE PIPE, 18 IN. DIA.	LF	93.00	96.00	96.00	12.00	\$ 71.00	\$6,816.00
20	CULVERT, 3000D CONCRETE ENTRANCE PIPE, 24 IN. DIA.	LF	160.00	160.00	160.00	0.00	\$ 83.00	\$13,280.00
21	CULVERT, 3000D CONCRETE ENTRANCE PIPE, 30 IN. DIA.	LF	34.00	34.00	34.00	0.00	\$ 108.00	\$3,672.00
22	CULVERT, 3000D CONCRETE ENTRANCE PIPE, 36 IN. DIA.	LF	16.00	16.00	16.00	0.00	\$ 140.50	\$2,248.00
23	CULVERT, 3000D CONCRETE ENTRANCE PIPE, 42 IN. DIA.	LF	24.00	24.00	24.00	16.00	\$ 155.00	\$3,720.00
24	TEMPORARY STREAM DIVERSION	EACH	1.00	1.00	1.00	0.00	\$ 8,000.00	\$8,000.00
25	PRE-ENGINEERED STEEL TRUSS TRAIL BRIDGE, 120'-0" X 12'-0"	EACH	1.00	1.00	1.00	0.00	\$ 275,000.00	\$275,000.00
26	INTAKE, SW-512, 24 IN.	EACH	1.00	3.00	3.00	2.00	\$ 1,800.00	\$5,400.00
27	INTAKE, SW-512, 30 IN.	EACH	1.00	1.00	1.00	1.00	\$ 2,450.00	\$2,450.00
28	INTAKE, SW-512, 36 IN.	EACH	1.00	0.00	0.00	0.00	\$ 3,000.00	\$0.00
29	CONNECTION TO EXISTING INTAKE	EACH	1.00	1.00	1.00	0.00	\$ 805.00	\$805.00
30	SUBDRAIN, STANDARD, NON-PERFORATED, 6 IN., AS PER PLAN	LF	306.00	0.00	0.00	0.00	\$ 8.25	\$0.00
31	SUBDRAIN, STANDARD, NON-PERFORATED, 8 IN., AS PER PLAN	LF	88.00	0.00	0.00	0.00	\$ 17.75	\$0.00
32	SUBDRAIN OUTLET, DR-305	EACH	5.00	2.00	2.00	0.00	\$ 365.00	\$730.00
33	REMOVE STORM SEWER PIPE LESS THAN OR EQUAL TO 36 IN.	LF	66.00	66.00	66.00	0.00	\$ 18.50	\$1,221.00
34	ENGINEERING FABRIC	SY	554.00	584.84	584.84	0.00	\$ 3.25	\$1,900.73

ITEM NO.	DESCRIPTION	UNIT	QUANTITIES				UNIT PRICE	TOTAL AMOUNT
			ESTIMATED	AUTHORIZED	CONSTRUCTED TO DATE	CONSTRUCTED THIS PERIOD		
35	REVTMENT, CLASS E	TON	517.90	582.03	582.21	0.00	\$ 54.75	\$31,876.00
36	EROSION STONE	TON	267.70	171.75	171.75	0.00	\$ 34.00	\$5,839.50
37	REMOVAL OF PAVEMENT	SY	28.20	30.50	30.50	0.00	\$ 27.00	\$823.50
38	REMOVAL OF INTAKES AND UTILITY ACCESSES	EACH	1.00	1.00	1.00	0.00	\$ 620.00	\$620.00
39	RECREATIONAL TRAIL, HOT MIX ASPHALT, 5 IN.	SY	14,414.00	14,375.46	14,375.46	0.00	\$ 30.50	\$438,451.53
40	RECREATIONAL TRAIL, HOT MIX ASPHALT, 8 IN.	SY	42.00	0.00	0.00	0.00	\$ 71.00	\$0.00
41	REMOVAL OF SIDEWALK	SY	666.30	676.70	676.70	0.00	\$ 3.50	\$2,368.45
42	SIDEWALK, P.C. CONCRETE, 4 IN.	SY	29.40	52.85	52.85	0.00	\$ 56.00	\$2,959.60
43	SIDEWALK, P.C. CONCRETE, 6 IN.	SY	351.40	397.70	397.70	0.00	\$ 78.00	\$31,020.60
44	DETECTABLE WARNINGS	SF	144.00	142.00	142.00	52.00	\$ 48.00	\$6,816.00
45	CURB AND GUTTER, P.C. CONCRETE, 3.0 FT.	LF	37.00	65.50	65.50	0.00	\$ 55.00	\$3,602.50
46	SAFETY CLOSURE	EACH	3.00	12.00	12.00	0.00	\$ 150.00	\$1,800.00
47	FENCE, CHAIN LINK, GALVANIZED, 42 IN. HEIGHT	LF	128.00	128.00	128.00	0.00	\$ 60.00	\$7,680.00
48	FENCE, CHAIN LINK, VINYL COATED, BLACK, 48 IN. HEIGHT	LF	70.00	70.00	70.00	0.00	\$ 35.00	\$2,450.00
49	REMOVAL OF FENCE, BARED WIRE	LF	40.00	40.00	40.00	0.00	\$ 4.00	\$160.00
50	REMOVE AND REINSTALL SIGN AS PER PLAN	EACH	1.00	1.00	1.00	0.00	\$ 475.00	\$475.00
51	PERFORATED SQUARE STEEL TUBE POSTS	LF	298.00	318.00	318.00	0.00	\$ 20.00	\$6,360.00
52	TYPE A SIGNS, SHEET ALUMINUM	SF	119.00	126.25	126.25	0.00	\$ 24.00	\$3,030.00
53	TRAFFIC CONTROL	LS	1.00	1.00	1.00	1.00	\$ 13,000.00	\$13,000.00
54	MOBILIZATION	LS	1.00	1.00	1.00	0.00	\$ 85,000.00	\$85,000.00
55	BICYCLE RACK	EACH	4.00	4.00	4.00	0.00	\$ 3,000.00	\$12,000.00
56	DIRECTIONAL STANDARD SIGN	EACH	2.00	2.00	2.00	0.00	\$ 275.00	\$550.00
57	DIRECTIONAL STANDARD SIGN - REMOVE AND RELOCATION	EACH	1.00	1.00	1.00	0.00	\$ 475.00	\$475.00
58	INFORMATION HUB	EACH	1.00	1.00	1.00	0.00	\$ 15,000.00	\$15,000.00
59	INLINE DRAIN, 6 IN.	EACH	3.00	0.00	0.00	0.00	\$ 405.00	\$0.00
60	INLINE DRAIN, 8 IN.	EACH	2.00	0.00	0.00	0.00	\$ 415.00	\$0.00
61	LIVE STAKES	EACH	575.00	515.00	515.00	0.00	\$ 25.00	\$12,875.00
62	ORNAMENTAL BENCH	EACH	5.00	5.00	5.00	0.00	\$ 3,500.00	\$17,500.00
63	SLOPE PROTECTION, EROSION CONTROL MAT	SQ	252.90	375.00	375.00	0.00	\$ 18.00	\$6,750.00
64	MULCHING	ACRE	16.80	18.11	18.11	0.00	\$ 1,750.00	\$31,692.50
65	NATIVE GRASS SEEDING	ACRE	1.40	0.00	0.00	0.00	\$ 1,725.00	\$0.00
66	SEEDING AND FERTILIZING (URBAN)	ACRE	1.80	4.14	4.14	0.00	\$ 980.00	\$4,057.20
67	SEEDING SPECIAL AREAS	ACRE	5.20	0.00	0.00	0.00	\$ 6,500.00	\$0.00
68	STABILIZED CONSTRUCTION ENTRANCE	LF	500.00	427.00	427.00	0.00	\$ 37.00	\$15,799.00
69	PERIMETER AND SLOPE SEDIMENT CONTROL DEVICE, 12 IN. DIA.	LF	14,389.50	9,080.50	9,080.50	0.00	\$ 2.35	\$21,339.18
70	REMOVAL OF PERIMETER AND SLOPE SEDIMENT CONTROL DEVICE	LF	14,464.50	9,080.50	9,080.50	0.00	\$ 0.25	\$2,270.13

ITEM NO.	DESCRIPTION	UNIT	QUANTITIES				UNIT PRICE	TOTAL AMOUNT
			ESTIMATED	AUTHORIZED	CONSTRUCTED TO DATE	CONSTRUCTED THIS PERIOD		
	Change Order Items							
8001	GRUBBING AND REMOVAL OF WOODCHIPS	LS	0.00	1.00	1.00	0.00	\$ 96,828.38	\$96,828.38
8002	ADDITIONAL CLEARING AND GRUBBING	LS	0.00	1.00	1.00	0.00	\$ 16,310.44	\$16,310.44
8003	SUBGRADE STABILIZATION MATERIAL, POLYMER GRID, TX-160	SY	0.00	3,402.00	3,402.00	0.00	\$ 6.85	\$23,303.70
8004	ROCK SUBBASE, 3" CLEAN	TON	0.00	3,577.10	3,577.10	0.00	\$ 34.00	\$121,621.40
8005	MODIFIED SUBBASE	TON	0.00	0.00	0.00	0.00	\$ 22.80	\$0.00
8006	INTAKE, SW-513, 42"x36"	EACH	0.00	1.00	1.00	0.00	\$ 6,790.00	\$6,790.00
8007	SUBDRAIN, STANDARD, PERFORATED, 6 IN., AS PER PLAN	LF	0.00	1,189.20	1,189.20	0.00	\$ 11.50	\$13,675.80
8008	APRON, METAL, 24 IN. DIA.	EACH	0.00	1.00	1.00	0.00	\$ 265.00	\$265.00
8009	CULVERT, CORRUGATED METAL ENTRANCE PIPE, 24 IN. DIA.	LF	0.00	89.00	89.00	0.00	\$ 69.25	\$6,163.25
8010	CONCRETE COLLAR	EACH	0.00	2.00	2.00	0.00	\$ 300.00	\$600.00
8011	REMOVAL AND REPAIR OF BRIDGE ABUTMENT	LS	0.00	1.00	1.00	0.00	\$ 24,000.00	\$24,000.00
8012	ADDITIONAL CLEARING AND GRUBBING	LS	0.00	1.00	1.00	0.00	\$ 9,965.00	\$9,965.00
8013	EXCAVATION, CLASS 10, WASTE	CY	0.00	340.00	340.00	0.00	\$ 34.00	\$11,560.00
8014	REVTMENT, CLASS B	TON	0.00	223.48	223.48	0.00	\$ 72.00	\$16,090.56
8015	FLOWABLE MORTAR	CY	0.00	40.00	40.00	0.00	\$ 600.00	\$24,000.00
8016	INTAKE, SW-513, 10 FOOT DEPTH	EACH	0.00	1.00	1.00	0.00	\$ 10,500.00	\$10,500.00
8017	ADDITIONAL MOBILIZATION	LS	0.00	1.00	1.00	0.00	\$ 2,848.00	\$2,848.00
8018	SUBGRADE STABILIZATION MATERIAL, CEMENT TREATMENT, 12 IN.	SY	0.00	4,166.00	4,166.00	0.00	\$ 12.60	\$52,491.60
8019	SPECIAL COMPACTION OF SUBGRADE	STA	0.00	26.78	26.78	0.00	\$ 318.91	\$8,540.41
8020	SUBGRADE STABILIZATION MATERIAL, GEOGRID	SY	0.00	5,250.00	5,250.00	0.00	\$ 0.98	\$5,145.00
8021	SUBGRADE STABILIZATION MATERIAL, POLYMER GRID, TX-140	SY	0.00	5,445.00	5,445.00	0.00	\$ 3.25	\$17,696.25
8022	RECREATIONAL TRAIL, PCC, 8", REINFORCED	SY	0.00	33.33	33.33	0.00	\$ 110.00	\$3,666.30
8023	DEDUCT FOR FIBERGLASS SIGN PANEL	LS	0.00	1.00	1.00	0.00	\$ (3,265.00)	(\$3,265.00)
8024	STABILIZE CROP - SEED+FERTILIZE	ACRE	0.00	13.97	13.97	0.00	\$ 550.00	\$7,683.50
8025	CLEARING AND GRUBBING, STORM DRAINAGE	LS	0.00	1.00	1.00	1.00	\$ 3,544.24	\$3,544.24
8026	REFORMING OF PCC SIDEWALK	LS	0.00	1.00	1.00	1.00	\$ 1,200.00	\$1,200.00
8027	MOBILIZATION FOR CLEARING AND GRUBBING	LS	0.00	1.00	1.00	1.00	\$ 5,000.00	\$5,000.00
8028	LIQUIDATED DAMAGES	CDAY	0.00	14.00	14.00	14.00	\$ (500.00)	(\$7,000.00)

ITEM NO.	DESCRIPTION	UNIT	QUANTITIES				UNIT PRICE	TOTAL AMOUNT
			ESTIMATED	AUTHORIZED	CONSTRUCTED TO DATE	CONSTRUCTED THIS PERIOD		
	ORIGINAL CONTRACT AMOUNT		\$	1,813,318.59				
	TOTAL CHANGE ORDERS		\$	425,106.78				
	ORIGINAL CONTRACT AMOUNT PLUS CHANGE ORDERS		\$	2,238,425.37				
	THIS PARTIAL PAYMENT		\$	42,322.24				
	PARTIAL PAYMENT #1		\$	292,097.36				
	PARTIAL PAYMENT #2		\$	233,648.49				
	PARTIAL PAYMENT #3		\$	40,816.03				
	PARTIAL PAYMENT #4		\$	171,163.94				
	PARTIAL PAYMENT #5		\$	134,791.87				
	PARTIAL PAYMENT #6		\$	41,059.42				
	PARTIAL PAYMENT #7		\$	473,720.27				
	PARTIAL PAYMENT #8		\$	573,325.98				
	PARTIAL PAYMENT #9		\$	109,864.60				
	PARTIAL PAYMENT #10		\$	40,896.18				
	PARTIAL PAYMENT #11		\$	54,718.99				
	TOTAL PARTIAL PAYMENTS		\$	2,208,425.37				
	BALANCE		\$	30,000.00				
	APPROXIMATE PERCENT COMPLETE			100.0%				

TOTAL	\$2,238,425.37
RETAINAGE	\$ 30,000.00
TOTAL LESS RETAINAGE	\$ 2,208,425.37
LESS PREVIOUS PAYMENT	\$ 2,166,103.13
AMOUNT DUE	\$ 42,322.24

FINAL PAYMENT (PAYMENT NO. 12)

PREPARED BY:

Paul Prentice
Project Inspector

CHECKED BY:

Jack L. Smith
Project Engineer