

DATE October 23, 2017

ORDERING CONSTRUCTION OF
E. MCKINLEY AVENUE RECONSTRUCTION FROM S.E. 7TH STREET
TO S.E. 14TH STREET WITH ACCESS BRIDGE
AND FIXING A DATE FOR RECEIVING OF BIDS ON NOVEMBER 7, 2017
AND PUBLIC HEARING ON NOVEMBER 20, 2017
ENGINEER'S ESTIMATE IS \$4,825,000.00

BE IT RESOLVED BY THE CITY COUNCIL OF THE CITY OF DES MOINES, IOWA: That the attached communication recommending construction of the following improvement and the method of financing; and also including the recommendation of the Des Moines City Engineer, as the Engineer, submitting plans, specifications, form of contract documents, and Engineer's estimate of cost for the construction of the following improvement:

E. McKinley Avenue Reconstruction from S.E. 7th Street to S.E. 14th Street with Access Bridge, 06-2017-016

The improvement includes constructing a new paved access between Southdale Center and E. McKinley Avenue with 6-inch Portland Cement Concrete (PCC) curb and gutter and 6-inch Hot-Mix Asphalt (HMA) paving, constructing a Continuous Concrete Slab (CCS) bridge across Yeader Creek, along with reconstructing E. McKinley Avenue with PCC curb and gutter, 8.5-inch HMA paving, reinforced concrete box culvert extensions, PCC sidewalk and driveways, storm sewer, earthwork and grading, water main construction, traffic signals, erosion control, and restoration; all in accordance with contract documents, including Plan File Nos. 586-001/300, located along E. McKinley Avenue from just west of S.E. 7th Street to S.E. 14th Street, Des Moines, Iowa

be and the same are hereby approved and accepted. The estimated construction cost for said improvement is \$4,825,000.00. The proposed plans, specifications, and form of contract documents are available for public inspection in the Des Moines City Engineer's Office.

BE IT FURTHER RESOLVED: That this Council hereby determines that it is necessary and advisable to construct said improvement in the manner set forth in the plans, specifications, and form of contract documents submitted by the Engineer; and that payment for the cost of said improvement shall be paid from the funding source identified below.

BE IT FURTHER RESOLVED: That a public hearing on said plans, specifications, form of contract documents, and Engineer's estimate of construction cost for said improvement be held in the City Council Chambers, 2nd Floor, Municipal Service Center, 1551 E. Martin Luther King Jr. Parkway, Des Moines, Iowa, at 5:00 p.m. on November 20, 2017, at which time this Council will consider any objections offered thereto or to the making of said improvement.

BE IT FURTHER RESOLVED: That proposals will be received by the City of Des Moines, at the office of the Des Moines City Clerk until 11:00 a.m. on November 7, 2017, for the construction of said improvement, and the taking of bids in the manner required by law. Proposals received will be opened at a public meeting presided over by the Engineer in the Shijiazhuang Room, 2nd Floor, City Administration Building, 400 E. Court Avenue, Des Moines, Iowa, at 11:00 a.m. on November 7, 2017, after which the bids together with a bid tabulation and recommendation of the Engineer will be presented to the City Council at its next meeting for action thereon.

★ **Roll Call Number**

Agenda Item Number

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DATE October 23, 2017

BE IT FURTHER RESOLVED: That the Chief Deputy City Clerk is further directed to publish a Public Notice of Storm Water Discharge in the Des Moines Register and The Business Record as required by the Iowa Department of Natural Resources.

BE IT FURTHER RESOLVED: That the City Manager be and is hereby authorized and directed to certify the "Notice of Intent for NPDES Coverage under General Permit No. 2 for Storm Water Discharges associated with Industrial Activity for Construction Activities" on behalf of the City of Des Moines and submit said document to the Iowa Department of Natural Resources with appropriate application and permit fees.

BE IT FURTHER RESOLVED: That an appropriate Notice to Bidders for said improvement be posted, and Notice of Public Hearing for said improvement be published in the Des Moines Register, all as provided and directed by Chapter 26 and/or 314, Code of Iowa.

(City Council Communication Number 17-760 attached.)


Moved by _____ to adopt.

FORM APPROVED:


FUNDS AVAILABLE



Kathleen Vanderpool
Deputy City Attorney



Robert L. Fagen
Des Moines Finance Director

 Funding Source: 2017-2018 CIP, Page Street – 21, McKinley Avenue Widening - Fleur Drive to E. Indianola Avenue, ST212, Being: \$2,392,741 in G.O. Bonds; \$300,179 in Storm Water Utility Funds transferred from SM057; \$332,080 from Des Moines Water Works, and the remaining \$1,800,000 in G.O. Bonds

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

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.

Mayor

City Clerk

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CONSTRUCTION ESTIMATE

DEPARTMENT OF ENGINEERING
CITY OF DES MOINES, IOWA

Activity ID 06-2017-016
IDOT Project No: N/A
Date: 09/20/2017

PROJECT: E. MCKINLEY AVENUE RECONSTRUCTION FROM SE 7TH STREET TO SE 14TH STREET WITH ACCESS BRIDGE

NO.	DESCRIPTION	ESTIMATED UNITS			AMOUNT
		UNIT	TOTAL	UNIT PRICE	TOTAL
DIVISION 1 (ACCESS ROAD & BRIDGE)					
1001	* CLEARING AND GRUBBING	AC	1.1	\$25,000.00	\$27,500.00
1002	* EMBANKMENT-IN-PLACE, CONTRACTOR FURNISHED	CY	9366	\$18.00	\$168,588.00
1003	* EXCAVATION, CLASS 10, CHANNEL	CY	4019	\$10.00	\$40,190.00
1004	* EXCAVATION, CLASS 10, ROADWAY AND BORROW	CY	1258	\$12.00	\$15,096.00
1005	* TOPSOIL, FURNISH AND SPREAD	CY	1515	\$15.00	\$22,725.00
1006	* COMPACTION WITH MOISTURE AND DENSITY CONTROL	CY	7205	\$2.50	\$18,012.50
1007	* MODIFIED SUBBASE	CY	520	\$44.00	\$22,880.00
1008	SHOULDER CONSTRUCTION, EARTH	STA	9	\$475.00	\$4,275.00
1009	BRIDGE APPROACH PAVEMENT, AS PER PLAN	SY	148.4	\$230.00	\$34,132.00
1010	HMA STD TR, BASE COURSE, 3/4 IN. MIX	TON	315	\$65.00	\$20,475.00
1011	HMA STD TR, SURFACE COURSE, 1/2 IN. MIX, NO SPECIAL FRICTION REQ'T	TON	160	\$75.00	\$12,000.00
1012	ASPHALT BINDER, 58-28S, STANDARD TRAFFIC	TON	33.9	\$500.00	\$16,950.00
1013	* HMA PAVEMENT SAMPLES	LS	1	\$2,500.00	\$2,500.00
1014	* EXCAVATION, CLASS 20	CY	130	\$30.00	\$3,900.00
1015	STRUCTURAL CONCRETE (BRIDGE)	CY	310.5	\$545.00	\$169,222.50
1016	REINFORCING STEEL, EPOXY COATED	LB	74770	\$1.00	\$74,770.00
1017	CONCRETE BARRIER RAILING	LF	262	\$80.00	\$20,960.00
1018	APRONS, CONCRETE, 18 IN. DIA.	EA	1	\$2,300.00	\$2,300.00
1019	APRONS, CONCRETE, 36 IN. DIA.	EA	1	\$4,000.00	\$4,000.00
1020	MANHOLE, STORM SEWER, SW-401, 48 IN.	EA	1	\$4,200.00	\$4,200.00
1021	MANHOLE, STORM SEWER, SW-401, 60 IN.	EA	1	\$5,500.00	\$5,500.00
1022	MANHOLE, STORM SEWER, SW-401, 72 IN.	EA	1	\$9,500.00	\$9,500.00
1023	INTAKE, SW-501	EA	1	\$3,200.00	\$3,200.00
1024	INTAKE, SW-505	EA	6	\$5,000.00	\$30,000.00
1025	INTAKE, SW-506	EA	1	\$7,000.00	\$7,000.00
1026	INTAKE, SW-512, 24 IN.	EA	1	\$2,000.00	\$2,000.00

NO.	DESCRIPTION	ESTIMATED UNITS			AMOUNT
		UNIT	TOTAL	UNIT PRICE	TOTAL
1027	MANHOLE ADJUSTMENT, MINOR	EA	2	\$1,200.00	\$2,400.00
1028	MANHOLE ADJUSTMENT, MAJOR	EA	3	\$2,500.00	\$7,500.00
1029 *	PILES, STEEL, HP 10X42	LF	630	\$40.00	\$25,200.00
1030 *	PILES, STEEL, HP 12X53	LF	990	\$45.00	\$44,550.00
1031	CONCRETE ENCASEMENT OF STEEL H PILES, HP 12X53 (P10L TYPE 3)	LF	378	\$120.00	\$45,360.00
1032 *	PREBORED HOLE	LF	180	\$50.00	\$9,000.00
1033	SUBDRAIN, LONGITUDINAL, (SHOULDER) 4 IN. DIA.	LF	708	\$9.00	\$6,372.00
1034	SUBDRAIN OUTLET, DR-303	EA	13	\$325.00	\$4,225.00
1035	STORM SEWER GRAVITY MAIN, TRENCHED, REINFORCED CONCRETE PIPE (RCP), 2000D (CLASS III), 15 IN.	LF	7.1	\$60.00	\$426.00
1036	STORM SEWER GRAVITY MAIN, TRENCHED, REINFORCED CONCRETE PIPE (RCP), 2000D (CLASS III), 18 IN.	LF	385.4	\$70.00	\$26,978.00
1037	STORM SEWER GRAVITY MAIN, TRENCHED, REINFORCED CONCRETE PIPE (RCP), 2000D (CLASS III), 30 IN.	LF	78.9	\$115.00	\$9,073.50
1038	STORM SEWER GRAVITY MAIN, TRENCHED, REINFORCED CONCRETE PIPE (RCP), 2000D (CLASS III), 36 IN.	LF	51.7	\$125.00	\$6,462.50
1039	REMOVE STORM SEWER PIPE LESS THAN OR EQUAL TO 36 IN.	LF	205	\$30.00	\$6,150.00
1040	ENGINEERING FABRIC	SY	2455	\$3.00	\$7,365.00
1041	REVTMENT, CLASS E	TON	2430	\$45.00	\$109,350.00
1042 *	REMOVAL OF PAVEMENT	SY	1135	\$6.00	\$6,810.00
1043 *	REMOVAL OF INTAKES AND UTILITY ACCESES	EA	3	\$900.00	\$2,700.00
1044	CURB AND GUTTER, PC CONCRETE, 2.5 FT.	LF	835	\$35.00	\$29,225.00
1045 *	SAFETY CLOSURE	EA	7	\$200.00	\$1,400.00
1046	REMOVE AND REINSTALL LIGHT POLE AND LUMINAIRE	EA	2	\$4,000.00	\$8,000.00
1047	PAINTED PAVEMENT MARKING, WATERBORNE OR SOLVENT BASED	STA	4.5	\$500.00	\$2,250.00
1048	PAINTED SYMBOLS AND LEGENDS, WATERBORNE OR SOLVENT BASED	EA	2	\$250.00	\$500.00
1049 *	TEMPORARY BARRIER RAIL, CONCRETE	LF	75	\$30.00	\$2,250.00
1050 *	TRAFFIC CONTROL	LS	1	\$10,500.00	\$10,500.00
1051 *	MOBILIZATION	LS	1	\$74,687.00	\$74,687.00
1052 *	SETTLEMENT PLATES	EA	4	\$2,000.00	\$8,000.00
1053 *	TREE PROTECTION FENCE	LF	800	\$4.00	\$3,200.00
1054 *	STORM WATER POLLUTION PROTECTION PLAN	LS	1	\$5,000.00	\$5,000.00
1055 *	TEMPORARY HMA W/ INCIDENTAL CURB	TON	90	\$60.00	\$5,400.00
1056 *	MULCHING, BONDED FIBER MATRIX	AC	1.7	\$3,000.00	\$5,100.00
1057 *	SEEDING AND FERTILIZING (URBAN)	AC	1.7	\$1,800.00	\$3,060.00
1058 *	SLOPE PROTECTION, WOOD EXCELSIOR MAT	SQ	135	\$15.00	\$2,025.00

NO.	DESCRIPTION	ESTIMATED UNITS			AMOUNT
		UNIT	TOTAL	UNIT PRICE	TOTAL
1059 *	SODDING	SQ	77	\$55.00	\$4,235.00
1060 *	STABILIZING CROP - SEEDING AND FERTILIZING (URBAN)	AC	1.7	\$1,100.00	\$1,870.00
1061 *	TURF REINFORCEMENT MAT, TYPE 3	SQ	69	\$125.00	\$8,625.00
1062 *	SILT FENCE	LF	2000	\$1.50	\$3,000.00
1063 *	REMOVAL OF SILT FENCE OR SILT FENCE FOR DITCH CHECKS	LF	2000	\$0.50	\$1,000.00
1064 *	MAINTENANCE OF SILT FENCE OR SILT FENCE FOR DITCH CHECKS	LF	1000	\$1.00	\$1,000.00
1065 *	PERIMETER AND SLOPE SEDIMENT CONTROL DEVICE, 9 IN. DIA.	LF	500	\$1.50	\$750.00
1066 *	REMOVAL OF PERIMETER AND SLOPE SEDIMENT DEVICE	LF	500	\$0.25	\$125.00
1067 *	MOBILIZATIONS, EROSION CONTROL	EA	6	\$500.00	\$3,000.00
1068 *	MOBILIZATIONS, EMERGENCY EROSION CONTROL	EA	1	\$1,000.00	\$1,000.00
DIVISION 1 (ACCESS ROAD AND BRIDGE) SUBTOTAL					\$1,247,000.00

NO.	DESCRIPTION	ESTIMATED UNITS			AMOUNT
		UNIT	TOTAL	UNIT PRICE	TOTAL
DIVISION 2 (E. MCKINLEY AVENUE WIDENING)					
2001 *	CLEARING & GRUBBING	UNIT	845.9	\$100.00	\$84,590.00
2002 *	SPECIAL BACKFILL	TON	60	\$45.00	\$2,700.00
2003 *	EMBANKMENT-IN-PLACE, CONTRACTOR FURNISHED	CY	1345	\$35.00	\$47,075.00
2004 *	EXCAVATION, CLASS 10 ROADWAY AND BORROW	CY	2850	\$30.00	\$85,500.00
2005 *	EXCAVATION, CLASS 13, WASTE	CY	740	\$35.00	\$25,900.00
2006 *	EXCAVATION, CLASS 13, CHANNEL	CY	670	\$35.00	\$23,450.00
2007 *	TOPSOIL, FURNISH + SPREAD	CY	1325	\$30.00	\$39,750.00
2008 *	COMPACTION WITH MOISTURE AND DENSITY CONTROL	CY	960	\$5.00	\$4,800.00
2009 *	SPECIAL COMPACTION OF SUBGRADE	STA	23	\$1,000.00	\$23,000.00
2010 *	GRANULAR MATERIAL	TON	836	\$40.00	\$33,440.00
2011	SUBGRADE STABILIZATION MATERIAL, 10% FLY ASH, 12 IN DEPTH	SY	2500	\$6.00	\$15,000.00
2012	SUBGRADE STABILIZATION MATERIAL, POLYMER GRID	SY	10775	\$3.00	\$32,325.00
2013	MODIFIED SUBBASE	CY	2333	\$40.00	\$93,320.00
2014	SHOULDER FINISHING, EARTH	STA	54.5	\$550.00	\$29,975.00
2015	PATCHES, FULL-DEPTH REPAIR	SY	181	\$120.00	\$21,720.00
2016 *	RELOCATION OF MAIL BOXES	EACH	38	\$200.00	\$7,600.00
2017	STD OR SLP FRM PCC PAVEMENT, CLASS C, CLASS 3 DURABILITY, 7 IN.	SY	693	\$65.00	\$45,045.00
2018	HMA STD TR, BASE COURSE, 3/4 IN. MIX	TON	2160	\$85.00	\$183,600.00
2019	HMA STD TR, INTERMEDIATE COURSE, 3/4 IN. MIX	TON	1613	\$85.00	\$137,105.00
2020	HMA HIGH TR, SURFACE COURSE, 1/2 IN. MIX, NO SPECIAL FRICTION REQ'T	TON	815	\$100.00	\$81,500.00
2021	ASPHALT BINDER, PG 58-28S, STANDARD TRAFFIC	TON	133	\$500.00	\$66,500.00
2022	ASPHALT BINDER, PG 58-28H, HIGH TRAFFIC	TON	154	\$500.00	\$77,000.00
2023 *	HOT MIX ASPHALT PAVEMENT SAMPLES	LS	1	\$8,000.00	\$8,000.00
2024 *	TEMPORARY PAVEMENT	SY	283	\$100.00	\$28,300.00
2025 *	SURFACING, DRIVEWAY, CLASS A CRUSHED STONE	TON	174	\$45.00	\$7,830.00
2026 *	REMOVAL OF EXISTING STRUCTURES	LS	1	\$16,000.00	\$16,000.00
2027	GRANULAR BACKFILL	TON	565	\$45.00	\$25,425.00
2028	FLOODED BACKFILL	CY	168	\$55.00	\$9,240.00
2029	STRUCTURAL CONCRETE (RCB)	CY	61.8	\$800.00	\$49,440.00
2030	REINFORCING STEEL	LB	9870	\$1.50	\$14,805.00
2031	APRONS, CONCRETE, 15 IN. DIA.	EACH	1	\$750.00	\$750.00

NO.	DESCRIPTION	ESTIMATED UNITS			AMOUNT
		UNIT	TOTAL	UNIT PRICE	TOTAL
2032 *	TEMPORARY STREAM DIVERSION	EACH	1	\$6,500.00	\$6,500.00
2033	SEGMENTAL BLOCK RETAINING WALL	SF	1275	\$50.00	\$63,750.00
2034	MANHOLE, STORM SEWER, SW-401, 48 IN.	EACH	3	\$4,500.00	\$13,500.00
2035	MANHOLE, STORM SEWER, SW-401, 60 IN.	EACH	3	\$5,000.00	\$15,000.00
2036	INTAKE, SW-501	EACH	7	\$2,500.00	\$17,500.00
2037	INTAKE, SW-503	EACH	2	\$4,000.00	\$8,000.00
2038	INTAKE, SW-505	EACH	8	\$5,000.00	\$40,000.00
2039	INTAKE, SW-506	EACH	3	\$7,500.00	\$22,500.00
2040	INTAKE, SW-507	EACH	4	\$6,500.00	\$26,000.00
2041	INTAKE, SW-508 MODIFIED	EACH	3	\$7,500.00	\$22,500.00
2042	INTAKE, SW-509	EACH	1	\$7,500.00	\$7,500.00
2043	INTAKE, SW-511	EACH	4	\$4,000.00	\$16,000.00
2044	INTAKE, SW-512, 24 IN.	EACH	3	\$3,000.00	\$9,000.00
2045	MANHOLE ADJUSTMENT, MINOR	EACH	10	\$1,500.00	\$15,000.00
2046	MANHOLE ADJUSTMENT, MAJOR	EACH	6	\$3,000.00	\$18,000.00
2047	INTAKE ADJUSTMENT, MAJOR	EACH	1	\$3,000.00	\$3,000.00
2048	CONNECTION TO EXISTING MANHOLE	EACH	1	\$1,500.00	\$1,500.00
2049	SUBDRAIN, PVC, STANDARD, PERFORATED, 6 IN.	LF	4338	\$25.00	\$108,450.00
2050	SUBDRAIN OUTLET, DR-303	EACH	33	\$400.00	\$13,200.00
2051	STORM SEWER GRAVITY MAIN, TRENCHED, PVC, 8 IN.	LF	27	\$60.00	\$1,620.00
2052	STORM SEWER GRAVITY MAIN, TRENCHED, RCP, 2000D (CLASS III), 12 IN.	LF	20	\$60.00	\$1,200.00
2053	STORM SEWER GRAVITY MAIN, TRENCHED, RCP, 2000D (CLASS III), 15 IN.	LF	818	\$85.00	\$69,530.00
2054	STORM SEWER GRAVITY MAIN, TRENCHED, RCP, 2000D (CLASS III), 18 IN.	LF	288	\$100.00	\$28,800.00
2055	STORM SEWER GRAVITY MAIN, TRENCHED, RCP, 2000D (CLASS III), 24 IN.	LF	400	\$110.00	\$44,000.00
2056	STORM SEWER GRAVITY MAIN, TRENCHED, RCP, 2000D (CLASS III), 30 IN.	LF	525	\$185.00	\$97,125.00
2057	REMOVE STORM SEWER PIPE LESS THAN OR EQUAL TO 36 IN.	LF	1172	\$25.00	\$29,300.00
2058	SANITARY SEWER GRAVITY MAIN, TRENCHED, RCP, 2000D (CLASS III), 15 IN.	LF	16	\$150.00	\$2,400.00
2059 *	REMOVAL OF STEEL BEAM GUARDRAIL	LF	125	\$10.00	\$1,250.00
2060 *	REMOVAL OF CABLE GUARDRAIL	LF	49	\$10.00	\$490.00
2061	STEEL BEAM GUARDRAIL TANGENT END TERMINAL, BA-205, MODIFIED	EACH	4	\$2,500.00	\$10,000.00
2062	ENGINEERING FABRIC	SY	3440	\$4.00	\$13,760.00
2063	REVETMENT, CLASS E	TON	570	\$150.00	\$85,500.00

NO.	DESCRIPTION	ESTIMATED UNITS			AMOUNT
		UNIT	TOTAL	UNIT PRICE	TOTAL
2064 *	REMOVAL OF PAVEMENT	SY	7290	\$12.00	\$87,480.00
2065 *	REMOVAL OF INTAKES AND UTILITY ACCESSES	EACH	11	\$1,500.00	\$16,500.00
2066 *	REMOVAL OF SIDEWALK	SY	522	\$12.00	\$6,264.00
2067	SIDEWALK, P.C. CONCRETE, 5 IN.	SY	1964	\$40.00	\$78,560.00
2068	SIDEWALK, P.C. CONCRETE, 6 IN.	SY	124	\$60.00	\$7,440.00
2069	DETECTABLE WARNINGS	SF	130	\$50.00	\$6,500.00
2070	CURB AND GUTTER, P.C. CONCRETE, 2.0 FT.	LF	50	\$50.00	\$2,500.00
2071	CURB AND GUTTER, P.C. CONCRETE, 2.5 FT.	LF	3994	\$55.00	\$219,670.00
2072	DRIVEWAY, P.C. CONCRETE, 5 IN.	SY	532	\$50.00	\$26,600.00
2073	DRIVEWAY, P.C. CONCRETE, 6 IN.	SY	1373	\$60.00	\$82,380.00
2074 *	REMOVAL OF PAVED DRIVEWAY	SY	1988	\$12.00	\$23,856.00
2075 *	SAFETY CLOSURE	EACH	13	\$750.00	\$9,750.00
2076	FENCE, CHAIN LINK, VINYL COATED, 42 IN. HEIGHT	LF	176	\$60.00	\$10,560.00
2077	GATE, AS PER PLAN	EACH	2	\$2,500.00	\$5,000.00
2078 *	OBJECT MARKER, TYPE 1	EACH	3	\$200.00	\$600.00
2079 *	PERFORATED SQUARE STEEL TUBE POSTS	LF	18	\$35.00	\$630.00
2080	TRAFFIC SIGNALIZATION	LS	1	\$55,000.00	\$55,000.00
2081 *	REMOVAL OF TRAFFIC SIGNALIZATION	LS	1	\$8,000.00	\$8,000.00
2082 *	PAINTED PAVEMENT MARKING, WATERBORNE OR SOLVENT-BASED	STA	18.9	\$200.00	\$3,780.00
2083 *	PERMANENT TAPE MARKINGS, PREFORMED POLYMER MARKING MATERIAL	STA	46.5	\$500.00	\$23,250.00
2084 *	PRE-CUT SYMBOLS AND LEGENDS, PREFORMED POLYMER MARKING MATERIAL	EACH	8	\$300.00	\$2,400.00
2085 *	TEMPORARY BARRIER RAIL, CONCRETE	LF	32	\$50.00	\$1,600.00
2086 *	TRAFFIC CONTROL	LS	1	\$30,000.00	\$30,000.00
2087 *	FLAGGER	EACH	30	\$450.00	\$13,500.00
2088 *	PORTABLE DYNAMIC MESSAGE SIGN (PDMS)	CDAY	35	\$200.00	\$7,000.00
2089 *	MOBILIZATION	LS	1	\$207,180.00	\$207,180.00
2090	CONNECTION TO EXISTING RCB	EACH	2	\$1,000.00	\$2,000.00
2091 *	TEMPORARY INLET AND MANHOLE PROTECTION, INSTALL AND REMOVE	EACH	80	\$100.00	\$8,000.00
2092 *	TREE TRUNK PROTECTION	EACH	12	\$500.00	\$6,000.00
2093 *	TREE PROTECTION FENCE	LF	1570	\$4.00	\$6,280.00
2094 *	REMOVE WATER MAIN	LF	500	\$10.00	\$5,000.00
2095 *	STORMWATER POLLUTION PREVENTION PLAN (SWPPP)	LS	1	\$8,000.00	\$8,000.00

NO.	DESCRIPTION	ESTIMATED UNITS			AMOUNT
		UNIT	TOTAL	UNIT PRICE	TOTAL
2096 *	MAINTENANCE OF SOLID WASTE COLLECTION	LS	1	\$5,000.00	\$5,000.00
2097 *	REMOVAL OF RAISED ROADWAY MEDIAN	SY	117	\$20.00	\$2,340.00
2098 *	MULCHING, BONDED FIBER MATRIX	ACRE	4.5	\$4,000.00	\$18,000.00
2099 *	SEEDING AND FERTILIZING (URBAN)	ACRE	1.6	\$4,000.00	\$6,400.00
2100 *	SLOPE PROTECTION, WOOD EXCELSIOR MAT	SQ	175	\$75.00	\$13,125.00
2101 *	SODDING	SQ	415	\$65.00	\$26,975.00
2102 *	SILT FENCE	LF	1940	\$6.00	\$11,640.00
2103 *	REMOVAL OF SILT FENCE OR SILT FENCE FOR DITCH CHECKS	LF	1940	\$2.00	\$3,880.00
2104 *	MAINTENANCE OF SILT FENCE OR SILT FENCE FOR DITCH CHECK	LF	1940	\$4.00	\$7,760.00
2105 *	PERIMETER AND SLOPE SEDIMENT CONTROL DEVICE, 9 IN. DIA.	LF	5120	\$6.00	\$30,720.00
2106 *	REMOVAL OF PERIMETER AND SLOPE SEDIMENT CONTROL DEVICE	LF	5120	\$2.00	\$10,240.00
2107 *	MOBILIZATIONS, EROSION CONTROL	EACH	12	\$500.00	\$6,000.00
DIVISION 2 (E. MCKINLEY AVENUE WIDENING) SUBTOTAL					\$3,245,920.00

NO.	DESCRIPTION	ESTIMATED UNITS			AMOUNT
		UNIT	TOTAL	UNIT PRICE	TOTAL
DIVISION 3 (WATER MAIN)					
3001	8 IN. C900 PVC WATER MAIN	LF	69	\$80.00	\$5,520.00
3002	12 IN. C900 PVC WATER MAIN	LF	1636	\$90.00	\$147,240.00
3003	8 IN. BEND	EACH	4	\$1,000.00	\$4,000.00
3004	12 IN. BEND	EACH	5	\$1,500.00	\$7,500.00
3005	8 IN. X 6 IN. REDUCER	EACH	1	\$700.00	\$700.00
3006	12 IN. X 8 IN. REDUCER	EACH	1	\$800.00	\$800.00
3007	8 IN. SOLID SLEEVE	EACH	1	\$500.00	\$500.00
3008	12 IN. SOLID SLEEVE	EACH	1	\$700.00	\$700.00
3009	8 IN. CAP	EACH	4	\$2,000.00	\$8,000.00
3010	12 IN. CAP	EACH	1	\$2,500.00	\$2,500.00
3011	8 IN. X 8 IN. TEE	EACH	1	\$1,600.00	\$1,600.00
3012	12 IN. X 8 IN. TEE	EACH	2	\$1,800.00	\$3,600.00
3013	8 IN. GATE VALVE	EACH	1	\$2,500.00	\$2,500.00
3014	12 IN. GATE VALVE	EACH	4	\$4,000.00	\$16,000.00
3015	HYDRANT ASSEMBLY	EACH	5	\$6,000.00	\$30,000.00
3016 *	PREPARE EXCAVATION FOR TAPPING SLEEVE AND VALVE	EACH	2	\$4,000.00	\$8,000.00
3017 *	REMOVE EXISTING TEE/TAPPING SLEEVE	EACH	1	\$5,000.00	\$5,000.00
3018	NEW 1 IN. WATER SERVICE, OPPOSITE SIDE	EACH	15	\$3,500.00	\$52,500.00
3019	NEW 1 IN. WATER SERVICE, SAME SIDE	EACH	14	\$2,000.00	\$28,000.00
3020	NEW 2 IN. WATER SERVICE, OPPOSITE SIDE	EACH	1	\$4,000.00	\$4,000.00
3021 *	TEMPORARY GRANULAR SURFACING	TON	64	\$30.00	\$1,920.00
3022	FOUNDATION ROCK	TON	50	\$30.00	\$1,500.00
DIVISION 3 (WATER MAIN) SUBTOTAL					\$332,080.00

Prepared By: Brett Lewis

Checked By: _____

TOTAL CONSTRUCTION COST **\$4,825,000.00**

* Item does not have to be included in 4-year maintenance bond, but shall be covered by a 1-year maintenance bond.

* Estimate Total= \$ 1,633,123.50