

DATE May 6, 2013

ORDERING CONSTRUCTION OF
SE CONNECTOR PAVING - S.E. 15TH STREET TO S.E. 30TH STREET
AND FIXING A DATE FOR RECEIVING OF BIDS ON MAY 21, 2013
AND PUBLIC HEARING ON JUNE 10, 2013
ENGINEER'S ESTIMATE IS \$29,004,874.76

WHEREAS, this Council deems it advisable and necessary to construct the below referenced improvement, all in accordance with the plans and specifications, and has caused to be prepared plans, specifications, and form of contract, together with estimate of cost, which are now on file in the City Engineer's Office, 2nd Floor, City Hall, 400 Robert D. Ray Drive, Des Moines, Iowa 50309-1891, for public inspection for the construction of said improvements, and said plans, specifications and form of contract are deemed suitable for the making of said improvement, for which the State of Iowa Department of Transportation (IDOT) and the City of Des Moines, (CITY) have an agreement, previously approved by this Council, under which the IDOT has agreed to advertise, receive, open and tabulate sealed bids, and

WHEREAS, before said plans, specifications, form of contract, and estimated cost of the improvement may be approved, and contract for the construction of the improvement entered into, it is necessary to hold a public hearing.

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:

SE Connector Paving - S.E. 15th Street to S.E. 30th Street, 06-2012-006

NHS-U-1945(409) -8G-77, NHS-U-1945(409)- -8G-77, NHS-U-1945(409)--8G-77, NHS-U-1945(409)-8G-77

The improvement includes construction of two bridges over Union Pacific and Norfolk Southern railroad properties and construction of a Portland Cement Pavement ten inches thick on the Southeast Connector, S.E. 18th Street, S.E. 23rd Street and S.E. 25th Court with various width pavements and medians; together with the necessary removals, earthwork, clearing, grubbing, erosion control, sidewalks, driveways, recreational trails, pavement subdrains, storm sewers, traffic control, traffic signals, street lighting, intersection enhancements, and landscaping; all in accordance with the contract documents including Plan File Nos. 550-001/753 on the Southeast Connector from S.E. 15th Street to S.E. 30th Street, Des Moines, Iowa

be and the same are hereby approved and accepted. The estimated construction cost for said improvement is \$29,004,874.76. 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.

★ **Roll Call Number**

Agenda Item Number

5 D

DATE May 6, 2013

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, City Hall, 400 Robert D. Ray Drive, Des Moines, Iowa, at 5:00 p.m. on June 10, 2013, 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 Iowa Department of Transportation, for the construction of said improvements, and the taking of bids in the manner required by law. Proposals received will be opened and tabulated by the Iowa Department of Transportation on May 21, 2013, after which the bids together with a report and recommendation of the Chief Civil Engineer, will be presented to City Council at its next meeting for action thereon.

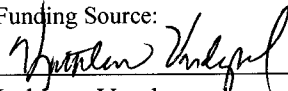
BE IT FURTHER RESOLVED: That an appropriate Notice to Bidders and Notice of Public Hearing for said improvement be published in the Des Moines Register as provided and directed by Chapter 26 and/or 314, Code of Iowa.

(City Council Communication Number 13-220 attached.)

Moved by _____ to adopt.

FORM APPROVED:

Funding Source:



Kathleen Vanderpool
Deputy City Attorney

FUNDS AVAILABLE



Scott E. Sanders
Des Moines Finance Director

Funding Source: 2013-2014 CIP, Page Street - 36, Southeast Connector - S.E. 14th Street to S.E. 30th Street, STR249, Being: \$10,000,000 (maximum) in Transportation Investment Generating Economic Recovery (TIGER) Discretionary Grant Federal Earmark, being 80% eligible for grading, paving and bridge construction costs under NHS-U-1945(409)-8G-77; \$8,014,799.46 in Federal Surface Transportation Program (STP) funds being 80% eligible for roadway construction costs allocated through Des Moines Area MPO under NHS-U-1945(409)-8G-77; \$8,556,841.16 in IDOT - RISE funds being 50% eligible; \$219,820 from Des Moines Water Works for water main construction; and the remaining \$2,213,414.14 in G.O. Bonds to be issued. Note - the \$8,014,799.46 in Federal funding allocated by the MPO will not be available when construction begins; the maximum MPO funding includes \$4,208,000 available now, \$1,517,000 in Federal FY15, and \$3,229,000 in Federal FY16; current Federal legislation extends through Federal FY14; Federal funds for projects beyond 2013 are estimated based on current funding levels, and may be reduced; the City of Des Moines is responsible for STP funding required in excess of \$4,208,000, which is expected to be reimbursed when available in FY15 & FY16.

COUNCIL ACTION	YEAS	NAYS	PASS	ABSENT
COWNIE				
COLEMAN				
GRIESS				
HENSLEY				
MAHAFFEY				
MEYER				
MOORE				
TOTAL				

MOTION CARRIED

APPROVED

Mayor

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.

City Clerk

5 D

CONSTRUCTION ESTIMATE

DEPARTMENT OF ENGINEERING
CITY OF DES MOINES, IOWA

ACTIVITY ID 06-2012-006
NHS-U-1945(409)-8G-77

DIV 1, SE 15TH TO SE 23RD: RISE = \$8,556,841.16 @ 50%; STP @ 80%; TIGER @ 80%
DIV 2, SE 23RD TO SE 30TH: STP @ 80%; TIGER @ 80%
DIV 3: DES MOINES WATER WORKS = \$219,820.00 @ 100%

DIV 1 & DIV 2, STP AND TIGER SUMMARY: STP FOR MPO @ 80% FOR FY13, FY15 & FY16 = \$8,954,000.00; TIGER @ 80% = \$10,000,000.00

PROJECT: SE CONNECTOR PAVING - S.E. 15TH STREET TO S.E. 30TH STREET

DATE: 04/19/2013

NO.	ITEM CODE	DESCRIPTION	ESTIMATED UNITS			AMOUNT
			UNIT	TOTAL	UNIT PRICE	TOTAL
0010	2101-0850001	CLEARING AND GRUBBING	ACRE	20.940	\$3,500.00	\$73,290.00
0020	2102-0425070	SPECIAL BACKFILL	TON	11024.000	\$20.00	\$220,480.00
0030	2102-2710070	EXCAVATION, CLASS 10, ROADWAY AND BORROW	CY	482350.000	\$8.00	\$3,858,800.00
0040	2102-2710080	EXCAVATION, CLASS 10, UNSUITABLE OR UNSTABLE MATERIAL	CY	2000.000	\$10.00	\$20,000.00
0050	2102-2712015	EXCAVATION, CLASS 12, BOULDERS OR ROCK FRAGMENTS	CY	2200.000	\$30.00	\$66,000.00
0060	2104-2710020	EXCAVATION, CLASS 10, CHANNEL	CY	350.000	\$6.00	\$2,100.00
0070	2105-8425005	TOPSOIL, FURNISH AND SPREAD	CY	23046.000	\$18.00	\$414,828.00
0080	2105-8425015	TOPSOIL, STRIP, SALVAGE AND SPREAD	CY	15961.000	\$5.00	\$79,805.00
0090	2107-0425020	COMPACTING BACKFILL ADJACENT TO BRIDGES, CULVERTS OR	CY	156.000	\$11.00	\$1,716.00
0100	2107-0875000	COMPACTION WITH MOISTURE AND DENSITY CONTROL	CY	453815.000	\$0.50	\$226,907.50
0110	2113-0001100	SUBGRADE STABILIZATION MATERIAL, POLYMER GRID	SY	3000.000	\$7.00	\$21,000.00
0120	2115-0100000	MODIFIED SUBBASE	CY	71380.000	\$40.00	\$2,855,200.00
0130	2123-7450000	SHOULDER CONSTRUCTION, EARTH	STA	144.000	\$350.00	\$50,400.00
0140	2213-2713300	EXCAVATION, CLASS 13, FOR WIDENING	CY	1052.000	\$15.00	\$15,780.00
0150	2213-6745500	REMOVAL OF CURB	STA	1.670	\$620.00	\$1,035.40
0160	2213-7100400	RELOCATION OF MAIL BOXES	EACH	8.000	\$150.00	\$1,200.00
0170	2213-8200000	BASE WIDENING, HOT MIX ASPHALT MIXTURE	TON	820.000	\$45.00	\$36,900.00
0180	2213-8202080	BASE WIDENING, 8 IN. PORTLAND CEMENT CONCRETE	SY	1885.000	\$50.00	\$94,250.00
0190	2301-0690200	BRIDGE APPROACH, RK-20	SY	1192.000	\$156.00	\$185,952.00
0200	2301-1033080	STANDARD OR SLIP FORM PORTLAND CEMENT CONCRETE PAV	SY	2395.000	\$50.00	\$119,750.00
0210	2301-1033100	STANDARD OR SLIP FORM PORTLAND CEMENT CONCRETE PAV	SY	64206.000	\$50.00	\$3,210,300.00
0220	2301-4874106	MEDIAN, DOWELLED P.C. CONCRETE, 6 INCH	SY	162.000	\$60.50	\$9,801.00
0230	2301-6911722	PORTLAND CEMENT CONCRETE PAVEMENT SAMPLES	LS	1.000	\$2,500.00	\$2,500.00
0240	2301-7000110	PAYMENT ADJUSTMENT INCENTIVE/DISINCENTIVE FOR PCC PA	EACH	84000.000	\$1.00	\$84,000.00
0250	2303-0043500	HOT MIX ASPHALT MIXTURE (3,000,000 ESAL), SURFACE COURS	TON	497.400	\$60.00	\$29,844.00
0260	2303-0245828	ASPHALT BINDER, PG 58-28	TON	49.200	\$600.00	\$29,520.00
0270	2303-0246428	ASPHALT BINDER, PG 64-28	TON	29.840	\$700.00	\$20,888.00
0280	2312-8260051	GRANULAR SURFACING ON ROAD, CLASS A CRUSHED STONE	TON	600.000	\$16.00	\$9,600.00
0290	2317-7000110	PAYMENT ADJUSTMENT INCENTIVE/DISINCENTIVE FOR PCC PA	EACH	40500.000	\$1.00	\$40,500.00
0300	2402-0425031	GRANULAR BACKFILL	TON	138322.000	\$14.00	\$1,936,508.00
0310	2402-2720000	EXCAVATION, CLASS 20	CY	1938.000	\$13.00	\$25,194.00
0320	2403-0100010	STRUCTURAL CONCRETE (BRIDGE)	CY	798.200	\$375.00	\$299,325.00
0330	2403-0100020	STRUCTURAL CONCRETE (RCB CULVERT)	CY	224.000	\$325.00	\$72,800.00
0340	2404-7775000	REINFORCING STEEL	LB	39133.000	\$0.90	\$35,219.70
0350	2404-7775005	REINFORCING STEEL, EPOXY COATED	LB	183218.000	\$0.85	\$155,735.30

NO.	ITEM CODE	DESCRIPTION	ESTIMATED UNITS			AMOUNT
			UNIT	TOTAL	UNIT PRICE	TOTAL
0360	2405-2705000	EXCAVATE AND DEWATER	LS	1.000	\$35,000.00	\$35,000.00
0370	2408-7800000	STRUCTURAL STEEL	LB	12077.000	\$2.00	\$24,154.00
0380	2412-0000100	LONGITUDINAL GROOVING IN CONCRETE	SY	1882.000	\$4.00	\$7,528.00
0390	2414-6424038	CONCRETE BARRIER RAIL, 3'-8"	LF	630.000	\$55.00	\$34,650.00
0400	2414-6425420	CONCRETE BARRIER, PARAPET	LF	328.000	\$75.00	\$24,600.00
0410	2414-6444100	STEEL PIPE PEDESTRIAN HAND RAILING	LF	383.500	\$60.00	\$23,010.00
0420	2416-0100012	APRONS, CONCRETE, 12 IN. DIA.	EACH	1.000	\$700.00	\$700.00
0430	2416-0100018	APRONS, CONCRETE, 18 IN. DIA.	EACH	5.000	\$700.00	\$3,500.00
0440	2416-0100024	APRONS, CONCRETE, 24 IN. DIA.	EACH	2.000	\$800.00	\$1,600.00
0450	2416-0100030	APRONS, CONCRETE, 30 IN. DIA.	EACH	1.000	\$900.00	\$900.00
0460	2416-0100036	APRONS, CONCRETE, 36 IN. DIA.	EACH	1.000	\$1,200.00	\$1,200.00
0470	2416-0100048	APRONS, CONCRETE, 48 IN. DIA.	EACH	2.000	\$1,700.00	\$3,400.00
0480	2431-0000100	SEGMENTAL BLOCK RETAINING WALL	SF	2707.000	\$30.00	\$81,210.00
0490	2432-0000100	MECHANICALLY STABILIZED EARTH RETAINING WALL	SF	66686.000	\$23.00	\$1,533,778.00
0500	2435-0130148	MANHOLE, SANITARY SEWER, SW-301, 48 IN.	EACH	8.000	\$4,500.00	\$36,000.00
0510	2435-0130384	MANHOLE, SANITARY SEWER, SW-303, 84 IN.	EACH	1.000	\$20,000.00	\$20,000.00
0520	2435-0130500	MANHOLE, SANITARY SEWER, SW-305	EACH	3.000	\$5,000.00	\$15,000.00
0530	2435-0140148	MANHOLE, STORM SEWER, SW-401, 48 IN.	EACH	7.000	\$2,000.00	\$14,000.00
0540	2435-0140160	MANHOLE, STORM SEWER, SW-401, 60 IN.	EACH	4.000	\$5,000.00	\$20,000.00
0550	2435-0140200	MANHOLE, STORM SEWER, SW-402	EACH	10.000	\$5,000.00	\$50,000.00
0560	2435-0140300	MANHOLE, STORM SEWER, SW-403	EACH	1.000	\$8,000.00	\$8,000.00
0570	2435-0140400	MANHOLE, STORM SEWER, SW-404	EACH	5.000	\$8,500.00	\$42,500.00
0580	2435-0140500	MANHOLE, STORM SEWER, SW-405	EACH	2.000	\$8,500.00	\$17,000.00
0590	2435-0250100	INTAKE, SW-501	EACH	1.000	\$2,300.00	\$2,300.00
0600	2435-0250500	INTAKE, SW-505	EACH	14.000	\$3,500.00	\$49,000.00
0610	2435-0250600	INTAKE, SW-506	EACH	10.000	\$4,000.00	\$40,000.00
0620	2435-0250700	INTAKE, SW-507	EACH	23.000	\$2,800.00	\$64,400.00
0630	2435-0250900	INTAKE, SW-509	EACH	50.000	\$3,300.00	\$165,000.00
0640	2435-0250910	INTAKE, SW-509 MODIFIED	EACH	9.000	\$3,500.00	\$31,500.00
0650	2435-0251218	INTAKE, SW-512, 18 IN.	EACH	6.000	\$1,500.00	\$9,000.00
0660	2435-0251224	INTAKE, SW-512, 24 IN.	EACH	4.000	\$2,000.00	\$8,000.00
0670	2435-0400000	DROP CONNECTION, SW-307	EACH	1.000	\$2,700.00	\$2,700.00
0680	2435-0600010	MANHOLE ADJUSTMENT, MINOR	EACH	9.000	\$1,400.00	\$12,600.00
0690	2435-0600020	MANHOLE ADJUSTMENT, MAJOR	EACH	2.000	\$1,300.00	\$2,600.00
0700	2435-0700010	CONNECTION TO EXISTING MANHOLE	EACH	3.000	\$1,000.00	\$3,000.00
0710	2501-0201517	PILES, STEEL, HP 14 X 117	LF	7645.000	\$60.00	\$458,700.00
0720	2502-8212034	SUBDRAIN, LONGITUDINAL, (SHOULDER) 4 IN. DIA.	LF	16362.900	\$10.00	\$163,629.00
0730	2502-8220193	SUBDRAIN OUTLET (RF-19C)	EACH	170.000	\$250.00	\$42,500.00
0740	2502-8220196	SUBDRAIN OUTLET, RF-19E	EACH	4.000	\$200.00	\$800.00
0750	2503-0114212	STORM SEWER GRAVITY MAIN, TRENCHED, REINFORCED CONC	LF	12.400	\$45.00	\$558.00
0760	2503-0114218	STORM SEWER GRAVITY MAIN, TRENCHED, REINFORCED CONC	LF	8814.030	\$48.00	\$423,073.44
0770	2503-0114224	STORM SEWER GRAVITY MAIN, TRENCHED, REINFORCED CONC	LF	3942.940	\$50.00	\$197,147.00

5 P

NO.	ITEM CODE	DESCRIPTION	ESTIMATED UNITS			AMOUNT
			UNIT	TOTAL	UNIT PRICE	TOTAL
0780	2503-0114230	STORM SEWER GRAVITY MAIN, TRENCHED, REINFORCED CONC	LF	1102.310	\$70.00	\$77,161.70
0790	2503-0114236	STORM SEWER GRAVITY MAIN, TRENCHED, REINFORCED CONC	LF	549.490	\$75.00	\$41,211.75
0800	2503-0114418	STORM SEWER GRAVITY MAIN, TRENCHED, REINFORCED CONC	LF	255.430	\$62.00	\$15,836.66
0810	2503-0114424	STORM SEWER GRAVITY MAIN, TRENCHED, REINFORCED CONC	LF	229.740	\$65.00	\$14,933.10
0820	2503-0114430	STORM SEWER GRAVITY MAIN, TRENCHED, REINFORCED CONC	LF	152.600	\$100.00	\$15,260.00
0830	2503-0114436	STORM SEWER GRAVITY MAIN, TRENCHED, REINFORCED CONC	LF	737.080	\$125.00	\$92,135.00
0840	2503-0114448	STORM SEWER GRAVITY MAIN, TRENCHED, REINFORCED CONC	LF	229.050	\$160.00	\$36,648.00
0850	2503-0116437	STORM SEWER GRAVITY MAIN, TRENCHED, REINFORCED CONC	LF	115.540	\$125.00	\$14,442.50
0860	2503-0200036	REMOVE STORM SEWER PIPE LESS THAN OR EQUAL TO 36 IN.	LF	1111.000	\$12.00	\$13,332.00
0870	2503-3775024	GATE, OUTLET CONTROL, FLAP, 24 IN.	EACH	1.000	\$1,500.00	\$1,500.00
0880	2503-3775036	GATE, OUTLET CONTROL, FLAP, 36 IN.	EACH	1.000	\$4,500.00	\$4,500.00
0890	2504-0116010	SANITARY SEWER GRAVITY MAIN, TRENCHED, DUCTILE IRON P	LF	933.000	\$60.00	\$55,980.00
0900	2504-0116018	SANITARY SEWER GRAVITY MAIN, TRENCHED, DUCTILE IRON P	LF	30.000	\$150.00	\$4,500.00
0910	2504-0220000	SANITARY SEWER SERVICE RELOCATION	EACH	7.000	\$2,300.00	\$16,100.00
0920	2504-0240036	REMOVE SANITARY SEWER PIPE LESS THAN OR EQUAL TO 36 I	LF	1214.000	\$6.00	\$7,284.00
0930	2504-0240136	REMOVE SANITARY SEWER PIPE GREATER THAN 36 IN.	LF	1331.000	\$53.00	\$70,543.00
0940	2505-4008300	STEEL BEAM GUARDRAIL	LF	82.000	\$20.00	\$1,640.00
0950	2505-4021700	STEEL BEAM GUARDRAIL END TERMINAL	EACH	1.000	\$2,000.00	\$2,000.00
0960	2506-4984000	FLOWABLE MORTAR	CY	420.000	\$120.00	\$50,400.00
0970	2507-3250005	ENGINEERING FABRIC	SY	17678.000	\$2.30	\$40,659.40
0980	2507-6800061	REVTMENT, CLASS E	TON	795.000	\$40.00	\$31,800.00
0990	2510-6745850	REMOVAL OF PAVEMENT	SY	28178.700	\$5.12	\$144,274.94
1000	2510-6750600	REMOVAL OF INTAKES AND UTILITY ACCESSES	EACH	14.000	\$700.00	\$9,800.00
1010	2511-0302500	RECREATIONAL TRAIL, PORTLAND CEMENT CONCRETE, 5 IN.	SY	9315.800	\$24.00	\$223,579.20
1020	2511-0302600	RECREATIONAL TRAIL, PORTLAND CEMENT CONCRETE, 6 IN.	SY	260.100	\$26.00	\$6,762.60
1030	2511-0310100	SPECIAL COMPACTION OF SUBGRADE FOR RECREATIONAL TRA	STA	100.500	\$142.00	\$14,271.00
1040	2511-6745900	REMOVAL OF SIDEWALK	SY	258.000	\$8.00	\$2,064.00
1050	2511-7526005	SIDEWALK, P.C. CONCRETE, 5 IN.	SY	2092.900	\$35.00	\$73,251.50
1060	2511-7526006	SIDEWALK, P.C. CONCRETE, 6 IN.	SY	233.000	\$42.00	\$9,786.00
1070	2511-7528101	DETECTABLE WARNINGS	SF	530.000	\$31.00	\$16,430.00
1080	2512-1725206	CURB AND GUTTER, P.C. CONCRETE, 2.0 FT.	LF	490.000	\$21.00	\$10,290.00
1090	2513-0001040	CONCRETE BARRIER, BA-104	LF	1392.700	\$62.00	\$86,347.40
1100	2513-0001081	CONCRETE BARRIER, TAPERED END, BA-108	EACH	4.000	\$2,200.00	\$8,800.00
1110	2515-2475006	DRIVEWAY, P.C. CONCRETE, 6 IN.	SY	1240.000	\$40.00	\$49,600.00
1120	2515-6745600	REMOVAL OF PAVED DRIVEWAY	SY	1961.000	\$7.00	\$13,727.00
1130	2518-6891820	PERMANENT ROAD CLOSURE, URBAN, SI-182	EACH	4.000	\$700.00	\$2,800.00
1140	2518-6910000	SAFETY CLOSURE	EACH	7.000	\$200.00	\$1,400.00
1150	2519-1001000	FENCE, CHAIN LINK, VINYL COATED	LF	1268.200	\$30.00	\$38,046.00
1160	2519-1001000	FENCE, CHAIN LINK, VINYL COATED	LF	2850.000	\$33.00	\$94,050.00
1170	2519-1001000	FENCE, CHAIN LINK, VINYL COATED	LF	336.500	\$35.00	\$11,777.50
1180	2519-1001000	FENCE, CHAIN LINK, VINYL COATED	LF	106.000	\$45.00	\$4,770.00
1190	2519-3300700	FENCE, TEMPORARY	LF	1000.000	\$9.00	\$9,000.00

NO.	ITEM CODE	DESCRIPTION	ESTIMATED UNITS			AMOUNT
			UNIT	TOTAL	UNIT PRICE	TOTAL
1200	2519-4200120	REMOVAL OF FENCE, CHAIN LINK	LF	3155.000	\$2.00	\$6,310.00
1210	2519-4200140	REMOVAL OF FENCE, FIELD	LF	1295.000	\$1.00	\$1,295.00
1220	2520-3350015	FIELD OFFICE	EACH	1.000	\$6,000.00	\$6,000.00
1230	2525-0000100	TRAFFIC SIGNALIZATION	LS	1.000	\$900,000.00	\$900,000.00
1240	2527-9263109	PAINTED PAVEMENT MARKING, WATERBORNE OR SOLVENT-BA	STA	466.180	\$121.00	\$56,407.78
1250	2527-9263126	PERMANENT TAPE MARKINGS, PROFILED PAVEMENT MARKING	STA	466.180	\$330.00	\$153,839.40
1260	2527-9263158	PRE-CUT SYMBOLS AND LEGENDS, INTERSECTION MARKING TA	EACH	51.000	\$350.00	\$17,850.00
1270	2527-9270111	GROOVES CUT FOR PAVEMENT MARKINGS	STA	466.180	\$13.00	\$6,060.34
1280	2527-9270120	GROOVES CUT FOR SYMBOLS AND LEGENDS	EACH	51.000	\$80.00	\$4,080.00
1290	2528-8445110	TRAFFIC CONTROL	LS	1.000	\$25,000.00	\$25,000.00
1300	2528-8445113	FLAGGERS	EACH	50.000	\$325.00	\$16,250.00
1310	2529-5070110	PATCHES, FULL-DEPTH FINISH, BY AREA	SY	290.000	\$90.00	\$26,100.00
1320	2529-5070120	PATCHES, FULL-DEPTH FINISH, BY COUNT	EACH	4.000	\$160.00	\$640.00
1330	2533-4980005	MOBILIZATION	LS	1.000	\$300,000.00	\$300,000.00
1340	2538-6970010	SALVAGE, REMOVAL, AND DISPOSAL OF OBSTRUCTIONS	LS	1.000	\$100,000.00	\$100,000.00
1350	2546-1000100	GABIONS OR MATTRESSES	CY	70.000	\$175.00	\$12,250.00
1360	2549-0006310	RUBBER CHIMNEY SEAL	EACH	9.000	\$400.00	\$3,600.00
1370	2552-0000210	TRENCH FOUNDATION	TON	265.000	\$20.00	\$5,300.00
1380	2552-0000220	REPLACEMENT OF UNSUITABLE BACKFILL MATERIAL	CY	5000.000	\$12.00	\$60,000.00
1390	2554-0112008	WATER MAIN, TRENCHED, DUCTILE IRON PIPE (DIP), 8 IN.	LF	645.000	\$120.00	\$77,400.00
1400	2554-0112016	WATER MAIN, TRENCHED, DUCTILE IRON PIPE (DIP), 16 IN.	LF	2750.000	\$120.00	\$330,000.00
1410	2554-0114008	WATER MAIN, TRENCHED, POLYVINYL CHLORIDE PIPE (PVC), 8	LF	1140.000	\$60.00	\$68,400.00
1420	2554-0114016	WATER MAIN, TRENCHED, POLYVINYL CHLORIDE PIPE (PVC), 16	LF	8.000	\$80.00	\$640.00
1430	2554-0142016	WATER MAIN WITH CASING PIPE, TRENCHLESS, DUCTILE IRON	LF	165.000	\$180.00	\$29,700.00
1440	2554-0203000	FITTINGS BY WEIGHT, DUCTILE IRON	LB	4867.000	\$10.00	\$48,670.00
1450	2554-0207006	VALVE, GATE, DIP, 6 IN.	EACH	2.000	\$2,000.00	\$4,000.00
1460	2554-0207008	VALVE, GATE, DIP, 8 IN.	EACH	1.000	\$2,500.00	\$2,500.00
1470	2554-0210201	FIRE HYDRANT ASSEMBLY, WM-201	EACH	17.000	\$4,000.00	\$68,000.00
1480	2554-0212020	VALVE BOX EXTENSION	EACH	2.000	\$300.00	\$600.00
1490	2555-0000010	DELIVER AND STOCKPILE SALVAGED MATERIALS	LS	1.000	\$2,000.00	\$2,000.00
1500	2595-0000010	RAILROAD INSURANCE PROVISIONS	LS	1.000	\$15,000.00	\$15,000.00
1510	2595-0000100	UPRR INSURANCE PROVISIONS	LS	1.000	\$15,000.00	\$15,000.00
1520	2595-7400200	REMOVAL OF RAILROAD TRACK	TLF	1370.000	\$17.50	\$23,975.00
1530	2599-9999003	AMENDED SOIL	CY	546.000	\$85.00	\$46,410.00
1540	2599-9999003	SUBSURFACE RUBBLE REMOVAL	CY	2000.000	\$36.00	\$72,000.00
1550	2599-9999005	ADJUST STOP BOX TO NEW GRADE	EACH	2.000	\$500.00	\$1,000.00
1560	2599-9999005	BEAMS, PRETENSIONED PRESTRESSED CONCRETE, SBTE140	EACH	12.000	\$35,000.00	\$420,000.00
1570	2599-9999005	CATHODIC PROTECTION TEST STATION	EACH	2.000	\$300.00	\$600.00
1580	2599-9999005	CHECK DEPTH OF WATER SERVICE	EACH	3.000	\$550.00	\$1,650.00
1590	2599-9999005	CONCRETE BARRIER WITH TAPERED END, 44 IN.	EACH	4.000	\$3,000.00	\$12,000.00
1600	2599-9999005	CONCRETE COLLAR	EACH	1.000	\$10,000.00	\$10,000.00
1610	2599-9999005	CONCRETE PLUG	EACH	7.000	\$500.00	\$3,500.00

NO.	ITEM CODE	DESCRIPTION	ESTIMATED UNITS			AMOUNT
			UNIT	TOTAL	UNIT PRICE	TOTAL
1620	2599-9999005	FIRE HYDRANT ON EXISTING WATER MAIN	EACH	1.000	\$750.00	\$750.00
1630	2599-9999005	FLOWERS, AS PER PLAN	EACH	5750.000	\$25.00	\$143,750.00
1640	2599-9999005	HEADWALL, 24 IN.	EACH	1.000	\$3,500.00	\$3,500.00
1650	2599-9999005	HEADWALL, 36 IN.	EACH	1.000	\$4,000.00	\$4,000.00
1660	2599-9999005	ISOLATION COUPLING, 16 IN.	EACH	1.000	\$2,000.00	\$2,000.00
1670	2599-9999005	ISOLATION COUPLING, 8 IN.	EACH	1.000	\$1,200.00	\$1,200.00
1680	2599-9999005	LOWER WATER SERVICE	EACH	2.000	\$1,500.00	\$3,000.00
1690	2599-9999005	MAGNESIUM ANODE, 32 LB	EACH	71.000	\$300.00	\$21,300.00
1700	2599-9999005	MASONRY BENCH	EACH	3.000	\$5,000.00	\$15,000.00
1710	2599-9999005	MASONRY PIER	EACH	17.000	\$10,000.00	\$170,000.00
1720	2599-9999005	PLANT BULBS	EACH	511.000	\$4.00	\$2,044.00
1730	2599-9999005	PREPARE EXCAVATION FOR TAPPING SLEEVE	EACH	4.000	\$500.00	\$2,000.00
1740	2599-9999005	RELOCATE CHAIN LINK GATE	EACH	3.000	\$1,500.00	\$4,500.00
1750	2599-9999005	REMOVAL OF FIRE HYDRANT ON ABANDONED MAIN	EACH	9.000	\$500.00	\$4,500.00
1760	2599-9999005	REMOVAL OF FIRE HYDRANT ON EXISTING MAIN	EACH	0.000	\$3,000.00	\$0.00
1770	2599-9999005	SANITARY SEWER, CLASS 4 LINED REINFORCED CONCRETE, 54	EACH	1.000	\$4,000.00	\$4,000.00
1780	2599-9999005	SANITARY SEWER, CLASS 4 LINED REINFORCED CONCRETE, 66	EACH	1.000	\$4,000.00	\$4,000.00
1790	2599-9999005	TAPPING SLEEVE AND VALVE, 48 IN. X 16 IN.	EACH	1.000	\$20,000.00	\$20,000.00
1800	2599-9999005	TREE DRAINAGE WELL	EACH	79.000	\$100.00	\$7,900.00
1810	2599-9999005	VALVE GATE, DIP, 16 IN.	EACH	3.000	\$5,000.00	\$15,000.00
1820	2599-9999005	WATER SERVICE TRANSFER, 1 IN.	EACH	3.000	\$1,500.00	\$4,500.00
1830	2599-9999005	WATER SERVICE TRANSFER, 2 IN.	EACH	2.000	\$2,000.00	\$4,000.00
1840	2599-9999005	WATER SERVICE TRANSFER, 4 IN.	EACH	2.000	\$5,000.00	\$10,000.00
1850	2599-9999005	WATER SERVICE TRANSFER, 6 IN.	EACH	1.000	\$6,000.00	\$6,000.00
1860	2599-9999005	WATER SERVICE, 12 IN.	EACH	1.000	\$10,000.00	\$10,000.00
1870	2599-9999009	CLASS R-4 NON-REINFORCED CONCRETE ARCH	LF	390.000	\$210.00	\$81,900.00
1880	2599-9999009	ELECTRICAL CONDUIT, TRENCHED, 4"	LF	485.000	\$11.00	\$5,335.00
1890	2599-9999009	ELECTRICAL CONDUIT, TRENCHED, 6"	LF	1180.000	\$12.00	\$14,160.00
1900	2599-9999009	LIMESTONE EDGER	LF	1536.000	\$9.00	\$13,824.00
1910	2599-9999009	PILE CASING, CMP, 24"	LF	2812.000	\$30.00	\$84,360.00
1920	2599-9999009	REMOVAL OF WATER MAIN	LF	1630.000	\$12.00	\$19,560.00
1930	2599-9999009	REMOVE ABANDONED HP GAS MAIN	LF	700.000	\$10.00	\$7,000.00
1940	2599-9999009	SANITARY SEWER, CLASS 4 LINED REINFORCED CONCRETE, 42	LF	266.000	\$335.00	\$89,110.00
1950	2599-9999009	SANITARY SEWER, CLASS 4 LINED REINFORCED CONCRETE, 66	LF	762.000	\$600.00	\$457,200.00
1960	2599-9999009	SANITARY SEWER, CLASS 5 LINED REINFORCED CONCRETE, 42	LF	459.000	\$350.00	\$160,650.00
1970	2599-9999009	SANITARY SEWER, CLASS 5 LINED REINFORCED CONCRETE, 66	LF	220.000	\$630.00	\$138,600.00
1980	2599-9999009	TREE PROTECTION, FENCE	LF	2645.000	\$4.00	\$10,580.00
1990	2599-9999010	FIRE HYDRANT RELOCATION	LS	1.000	\$1,000.00	\$1,000.00
2000	2599-9999010	INTERMEDIATE FOUNDATION IMPROVEMENT	LS	1.000	\$2,000,000.00	\$2,000,000.00
2010	2599-9999010	REMOVE AND REPLACE PICKET FENCE	LS	1.000	\$1,500.00	\$1,500.00
2020	2599-9999010	REMOVE, SALVAGE, RESET MANHOLE RISER	LS	1.000	\$500.00	\$500.00
2030	2599-9999010	ROADWAY ELECTRICAL	LS	1.000	\$712,360.00	\$712,360.00

5 D

NO.	ITEM CODE	DESCRIPTION	ESTIMATED UNITS			AMOUNT
			UNIT	TOTAL	UNIT PRICE	TOTAL
2040	2599-9999010	ROADWAY LIGHTING	LS	1.000	\$564,160.00	\$564,160.00
2050	2599-9999010	STORMWATER POLLUTION PREVENTION PLAN AND MAINTENAN	LS	1.000	\$25,000.00	\$25,000.00
2060	2599-9999010	SURFACE RUBBLE REMOVAL	LS	1.000	\$50,000.00	\$50,000.00
2070	2599-9999010	TREE PROTECTION	LS	1.000	\$10,500.00	\$10,500.00
2080	2599-9999010	VIDEO INSPECTION OF STORM SEWER	LS	1.000	\$20,000.00	\$20,000.00
2090	2599-9999010	WASTEWATER PUMPING	LS	1.000	\$50,000.00	\$50,000.00
2100	2599-9999018	PCC FLUME	SY	104.000	\$30.00	\$3,120.00
2110	2599-9999018	PEA GRAVEL	SY	341.000	\$60.00	\$20,460.00
2120	2599-9999018	SIDEWALK, P.C. CONCRETE, REINFORCED, 12 IN.	SY	1618.400	\$100.00	\$161,840.00
2130	2599-9999018	SLOPE PROTECTION, STRAW MAT	SY	76500.000	\$3.10	\$237,150.00
2140	2599-9999020	FOUNDATION ROCK	TON	50.000	\$30.00	\$1,500.00
2150	2599-9999020	MACADAM STONE FILL	TON	30682.000	\$14.00	\$429,548.00
2160	2599-9999020	SURFACING, ASPHALT MILLINGS	TON	300.000	\$20.00	\$6,000.00
2170	2601-2633100	MOWING	ACRE	219.500	\$40.00	\$8,780.00
2180	2601-2634100	MULCHING	ACRE	54.000	\$700.00	\$37,800.00
2190	2601-2634105	MULCHING, BONDED FIBER MATRIX	ACRE	32.400	\$3,000.00	\$97,200.00
2200	2601-2636015	NATIVE GRASS SEEDING	ACRE	10.000	\$3,500.00	\$35,000.00
2210	2601-2636044	SEEDING AND FERTILIZING (URBAN)	ACRE	35.740	\$2,500.00	\$89,350.00
2220	2601-2638620	MACADAM STONE SLOPE PROTECTION	SY	600.000	\$38.00	\$22,800.00
2230	2601-2639010	SODDING	SQ	1910.000	\$50.00	\$95,500.00
2240	2601-2642120	STABILIZING CROP - SEEDING AND FERTILIZING (URBAN)	ACRE	54.000	\$430.00	\$23,220.00
2250	2601-2643110	WATERING FOR SOD, SPECIAL DITCH CONTROL, OR SLOPE PRO	MGAL	1146.000	\$60.00	\$68,760.00
2260	2602-0000020	SILT FENCE	LF	34655.000	\$1.75	\$60,646.25
2270	2602-0000030	SILT FENCE FOR DITCH CHECKS	LF	4200.000	\$2.25	\$9,450.00
2280	2602-0000060	SILT BASINS	EACH	2.000	\$500.00	\$1,000.00
2290	2602-0000071	REMOVAL OF SILT FENCE OR SILT FENCE FOR DITCH CHECKS	LF	19428.000	\$0.25	\$4,857.00
2300	2602-0000101	MAINTENANCE OF SILT FENCE OR SILT FENCE FOR DITCH CHE	LF	3886.000	\$0.55	\$2,137.30
2310	2602-0000212	FLOATING SILT CURTAIN (HANGING)	LF	1700.000	\$25.00	\$42,500.00
2320	2602-0000309	PERIMETER AND SLOPE SEDIMENT CONTROL DEVICE, 9 IN. DIA	LF	6543.000	\$2.00	\$13,086.00
2330	2602-0000320	PERIMETER AND SLOPE SEDIMENT CONTROL DEVICE, 20 IN. DIA	LF	760.000	\$4.00	\$3,040.00
2340	2602-0000350	REMOVAL OF PERIMETER AND SLOPE SEDIMENT CONTROL DEV	LF	2297.000	\$0.30	\$689.10
2350	2602-0010010	MOBILIZATIONS, EROSION CONTROL	EACH	20.000	\$500.00	\$10,000.00
2360	2602-0010020	MOBILIZATIONS, EMERGENCY EROSION CONTROL	EACH	8.000	\$1,000.00	\$8,000.00
2370	2610-0000110	SHRUBS	EACH	461.000	\$65.00	\$29,965.00
2380	2610-0000120	TREES	EACH	313.000	\$350.00	\$109,550.00
2390	2610-0000400	WATERING FOR PLANTS	MGAL	391.000	\$45.00	\$17,595.00
		A+B RAILROAD FLAGGERS FOR UPRR	DAY		\$843.00	
		A+B RAILROAD FLAGGERS FOR NS	DAY		\$430.00	

Prepared By: Kirkham Michael

Checked By: Craig Bouska

\$29,004,874.76