CITY OF WEST DES MOINES
CITY COUNCIL MEETING COMMUNICATION

ITEM: **DATE: June 13, 2016**

Resolution - Ordering Construction
Intersection Improvements – 50th Street & University Avenue and 50th Street & Corporate Drive

FINANCIAL IMPACT:

The Engineering Estimate of Construction Cost for the improvements at these intersections is $448,341.30. Payments will be made from budgeted account no. 4051.75.820.6.7910 with the ultimate funding intended to come from General Obligation Bonds.

BACKGROUND:

Improvements include a northbound right-turn lane at 50th Street & University and a westbound left-turn lane at 50th Street & Corporate Drive to improve traffic flow and safety at the intersections.

A Bid Letting should be scheduled for 2:00 p.m. on Wednesday, June 22, 2016, and a Public Hearing on the project should be scheduled for 5:35 p.m. on Monday, June 27, 2016. The contract would be awarded on Monday, June 27, 2016, and work will begin shortly thereafter.

In order to speed up construction and reduce the impact to traffic and property owners, the Contractor is allowed to work nights and weekends, with the exception that pavement removal operations need to be within normal work hours.

The entire project is anticipated to be completed this fall.

OUTSTANDING ISSUES: None.

RECOMMENDATION:

City Council Adopt:
- Resolution Ordering Construction of the Intersection Improvements project at 50th Street & University Avenue and 50th Street & Corporate Drive.
- Fixing 2:00 p.m. on Wednesday, June 22, 2016, as the time and date for project Bid Letting.
- Ordering the City Clerk to publish notice of Letting and Public Hearing.

Lead Staff Member: **Duane C. Wittstock, P.E., L.S., City Engineer**

DCW

STAFF REVIEWS

Department Director	Duane C. Wittstock, P.E., L.S., City Engineer
Appropriations/Finance	Tim Stiles, Finance Director
Legal	Richard Scieszinski, City Attorney RJS
Agenda Acceptance	RTG

PUBLICATION(S) (if applicable)

Published In	
Dates(s) Published	

SUBCOMMITTEE REVIEW (if applicable)

Committee	Public Works		
Date Reviewed	June 6, 2016		
Recommendation	Yes	No	Split

Resolution Ordering Construction and
Notice of Public Hearing on Plans, Specifications, Form of Contract, Estimate of Cost, and Directing Advertisement for Bids

BE IT RESOLVED BY THE CITY COUNCIL OF THE CITY OF WEST DES MOINES, IOWA, that the following described public improvement:

Intersection Improvements – 50th St. & University Ave. and 50th St. & Corporate Dr.
Project No. 0510-042-2014

is hereby ordered to be constructed according to the Plans and Specifications prepared by the Engineering Division of the City of West Des Moines and now on file in the office of the City Clerk.

BE IT FURTHER RESOLVED, that the detailed Plans and Specifications, Form of Contract, Bid Security, and Notice to Bidders are hereby approved, subject to hearing thereon, and that the same are now on file in the office of the City Clerk for public inspection.

BE IT FURTHER RESOLVED, that the City Clerk is hereby directed to publish notice of hearing on the Plans and Specifications, Form of Contract, Bid Security and Estimate of Costs for said project to be held at 5:35 p.m. on Monday, June 27, 2016, with said notice published not less than four (4) days nor more than twenty (20) days prior to the date heretofore fixed.

BE IT FURTHER RESOLVED, that the City Clerk is hereby directed to publish Notice to Bidders for said project with publication not less than four (4) days nor more than forty-five (45) days prior to the date for receiving bids. Said bids are to be filed prior to 2:00 p.m. on Wednesday, June 22, 2016.

BE IT FURTHER RESOLVED, that the bids received for construction of said improvements will be opened, publicly read and tabulated by the City Clerk, Deputy City Clerk, or City Clerk designee at 2:00 p.m. on Wednesday, June 22, 2016, and the results of said bids shall be considered at a meeting of this Council on Monday, June 27, 2016, at 5:35 p.m. and acted upon at said time, or such time as may then be fixed.

PASSED AND APPROVED 13th day of **June, 2016.**

_____
Steven K. Gaer, Mayor

ATTEST:

_____
Ryan T. Jacobson, City Clerk

Intersection Improvements
50th Street & University and Corporate Drive & 50th Street
City of West Des Moines, IA

0510-042-2014

Engineers Opinion of Probable Cost
6/8/2014

Item #	Item Description	Unit	50th Street & University Avenue	Corporate Drive & 50th Street	Total Quantity	Unit Cost	Total Cost
	DIVISION 1 - GENERAL						
	NOT USED						
	DIVISION 2 - EARTHWORK, SUBGRADE, AND SUBBASE						
2.1	CLEARING AND GRUBBING	LS	0.5	0.5	1	$7,500.00	7,500.00
2.2	TOPSOIL, ON-SITE	CY	181	46	227	$20.00	4,540.00
2.3	EXCAVATION, CLASS 10	CY	1649	256	1905	$20.00	38,100.00
2.4	SUBGRADE PREPARATION	CY	152	150	302	$12.00	3,624.00
2.5	MODIFIED SUBBASE	TON	54		54	$65.00	3,510.00
	DIVISION 4 - SEWERS						
4.1	STORM SEWER, TRENCHED, RCP, 15"	LF	12		12	$300.00	3,600.00
4.2	STORM SEWER, TRENCHED, RCP, 18"	LF	6		6	$300.00	1,800.00
	DIVISION 5 - WATERMAIN						0.00
5.1	FIRE HYDRANT ADJUSTMENT	EA	2		2	$2,500.00	5,000.00
	DIVISION 6 - STORM/SANITARY STRUCTURES						
6.1	INTAKE, SW-505	EA	2		2	$4,400.00	8,800.00
6.2	INTAKE, SW-505, MODIFIED TOP ONLY	EA	1		1	$3,000.00	3,000.00
6.3	MANHOLE ADJUSTMENT, MINOR	EA	2		2	$1,500.00	3,000.00
6.4	MANHOLE ADJUSTMENT, MAJOR	EA	1		1	$2,500.00	2,500.00
	DIVISION 7 - STREETS AND RELATED WORK						
7.1	PAVEMENT, PCC, CLASS C, 8"	SY		376	376	$95.00	35,720.00
7.2	PAVEMENT, PCC, CLASS C, 9.5"	SY	501		501	$105.00	52,605.00
7.3	PAVEMENT REMOVAL	SY	131	231	362	$35.00	12,670.00
7.4	SIDEWALK REMOVAL	SY	174	69	243	$25.00	6,075.00
7.5	SIDEWALK, PCC, 4"	SY	165	47	212	$40.00	8,480.00
7.6	SIDEWALK, PCC, 6"	SY	9	37	46	$45.00	2,070.00
7.7	DETECTABLE WARNING, 2'x4' PANEL	EA	3	7	10	$40.00	400.00
	DIVISION 8 - TRAFFIC SIGNALS AND TRAFFIC CONTROL						
8.1	TRAFFIC SIGNALIZATION	LS	0.5	0.5	1	$141,107.30	141,107.30
8.2	TRAFFIC CONTROL	LS	0.5	0.5	1	$35,000.00	35,000.00
	DIVISION 9 - SITE WORK AND LANDSCAPING						
9.1	SODDING	SQ	105	26.5	131.5	$190.00	24,985.00
9.2	FILTER SOCK, 12"	LF	640		640	$3.00	1,920.00
9.3	FILTER SOCKS, REMOVAL	LF	640		640	$1.50	960.00
9.4	INLET PROTECTION DEVICE	EA	3		3	$200.00	600.00
9.5	SILT FENCE	LF	190		190	$2.00	380.00
9.6	REMOVAL OF SILT FENCE	LF	190		190	$1.50	285.00
9.7	TEMPORARY SEEDING, FERTILIZING AND MULCHING	ACRE	0.24	0.06	0.3	$4,500.00	1,350.00
	DIVISION 10 - DEMOLITION						
	NOT USED						
	DIVISION 11 - MISCELLANEOUS						
11.1	CONSTRUCTION SURVEY	LS	0.5	0.5	1	12000	12,000.00
11.2	PAINTED PAVEMENT MARKINGS, WATERBORNE/SOLVENT	STA	1.5	7.15	8.65	300	2,595.00
11.3	PAINTED SYMBOLS AND LEGENDS, DURABLE	EA	3	3	6	350	2,100.00
	DIVISION 12 - RETAINING WALL						
12.1	STRUCTURAL CONCRETE	CY	26.9		26.9	$650.00	17,485.00
12.2	REINFORCING STEEL	LB	2290		2290	$2.00	4,580.00

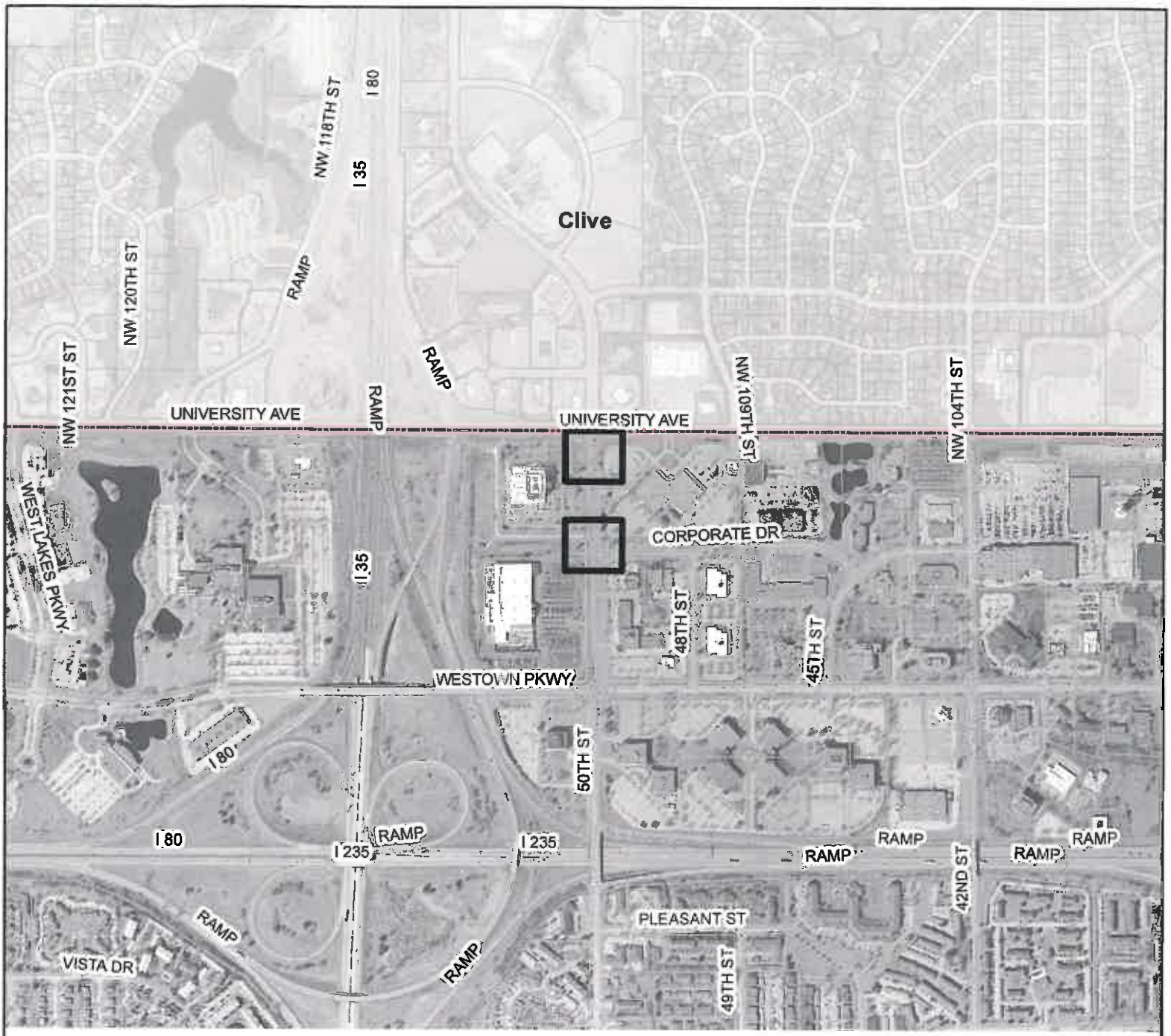
Project Total
$448,341.30

LICENSED PROFESSIONAL ENGINEER
SCOTT M. ALMEIDA
19733
IOWA

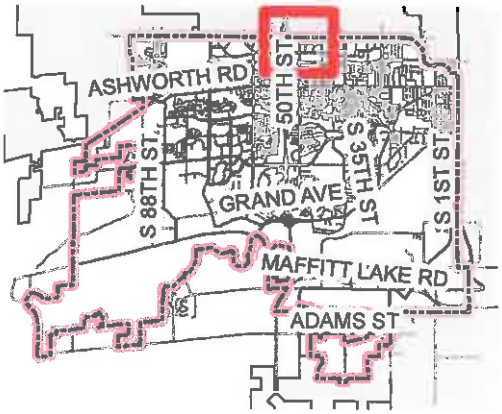
I HEREBY CERTIFY THAT THIS ENGINEERING DOCUMENT WAS PREPARED BY ME OR UNDER MY DIRECT PERSONAL SUPERVISION AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF IOWA.

Scott M. Almeida 6/8/2016
SCOTT M. ALMEIDA, P.E. DATE

MY LICENSE RENEWAL DATE IS DECEMBER 31, 2017.
LICENSE NO. 19733
PAGES OR SHEETS COVERED BY THIS SEAL:
Cost Estimate



VICINITY MAP



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LEGEND

PROJECT LOCATION ———

THE CITY OF WEST DES MOINES

CITY OF WEST DES MOINES
ENGINEERING SERVICES
4200 MILLS CIVIC PARKWAY
WEST DES MOINES, IOWA 50265
PH: (515) 222-3620 FAX: (515) 273-0602

PROJECT: **50TH & UNIVERSITY AND 50TH & CORPORATE INTERSECTION IMPROVEMENTS**

Project No. 0510-042-2014

LOCATION:

EXHIBIT "A"

DRAWN BY: ERP	DATE: 6/8/2016	SHT. 1 OF 1