CITY OF WEST DES MOINES
CITY COUNCIL MEETING COMMUNICATION

DATE: January 26, 2016

ITEM:

Resolution - Ordering Construction
2016 HMA Resurfacing Program

FINANCIAL IMPACT:

The engineering estimate of construction cost for the 2016 HMA Resurfacing Program is $1,560,602.05. Payments will be made from budgeted account number 4026.75.820.6.7910.

BACKGROUND:

A Bid Letting should be scheduled for 2:00 p.m. on Wednesday, February 3, 2016, and a Public Hearing on the project should be scheduled for 5:35 p.m. on Monday, February 8, 2016. The contract would be awarded on Monday, February 8, 2016, and work will begin shortly thereafter.

This project will resurface various locations in the City of West Des Moines. Types of work including approximately 4,698 tons of 1 million ESAL ½" Hot Mix Asphalt (HMA) surface course, 118 tons of 1 million ESAL ½" HMA leveling course 1,091 tons of 3 million ESAL ½" Hot Mix Asphalt (HMA) surface course, 1,092 tons of 3 million ESAL ½" Hot Mix Asphalt (HMA) intermediate course, 3,433 square yards of grinding butt joints, 43,119 square yards of asphalt surface milling, surface cleaning/tack coat, 2,523 square yards of PCC full depth patching, HMA full depth patching, HMA partial depth patching, fixture adjustments, pavement markings, traffic control, and miscellaneous items. This project is scheduled to be completed by October 1, 2016.

RECOMMENDATION:

City Council Adopt:

- Resolution Ordering Construction of the 2016 HMA Resurfacing Program.
- Fixing 2:00 p.m. on Wednesday, February 3, 2016, as time and date for project Bid Letting.
- Ordering the City Clerk to publish notice of Letting and Public Hearing.

Lead Staff Member: Jeff Nash, P.E. JLN

STAFF REVIEWS

Department Director	Bret Hodne, Public Works Director
Appropriations/Finance	Tim Stiles, Finance Director
Legal	
Agenda Acceptance	RTJ

PUBLICATION(S) (if applicable)

Published In	Des Moines Register
Dates(s) Published	

SUBCOMMITTEE REVIEW (if applicable)

Committee	Public Works		
Date Reviewed	January 18, 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:

2016 HMA Resurfacing Program
Project No. 0510-005-2016

is hereby ordered constructed according to the Plans and Specifications prepared by the City of West Des Moines and now on file in the office of 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 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, February 8, 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 prospective actions by the City Clerk in publishing a Notice to Bidders for said project (publication to be not less than four (4) days nor more than forty-five (45) days prior to the date for receiving bids) are hereby approved. Said bids are to be filed prior to 2:00 p.m. on Wednesday, February 3, 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 or Deputy City Clerk at 2:00 p.m. on Wednesday, February 3, 2016, and the results of said bids shall be considered at a meeting of this Council on Monday, February 8, 2016, at 5:35 p.m. and acted upon at said time, or such time as may then be fixed.

PASSED AND APPROVED this 26th day of January, 2016

_____
Steven K. Gaer, Mayor

ATTEST:

_____
Ryan T. Jacobson
City Clerk

West Des Moines

ENGINEER'S ESTIMATE
2016 HMA RESURFACING PROGRAM
WEST DES MOINES, IOWA

PROJECT NO. 0510-005-2016

	Description	Unit	Quantity	Unit Price	Extended Price
	Fixture Adjustments				
110	Sewer Manholes (Re-use Casting & Adjust W/ Concrete Rings)	EA.	2	$1,000.00	$2,000.00
120	Sewer Manholes (Replace Casting & Adjust W/ Concrete Rings)	EA.	25	$2,500.00	$62,500.00
130	Water Manholes (Re-Use Casting & Adjust W/ Concrete Rings)	EA.	2	$750.00	$1,500.00
140	PCC 5 'x 5' Manhole Boxouts	EA.	29	$1,500.00	$43,500.00
150	Water Valve Box Adjustment	EA.	4	$325.00	$1,300.00
160	Retro to Slide Type Water Valve Top Replacement	EA.	1	$1,500.00	$1,500.00
170	Intake Castings, M-A & M-C (1-1/2" Risers)	EA.	6	$400.00	$2,400.00
180	Intake Castings, M-D & M-E (1-1/2" Risers)	EA.	8	$700.00	$5,600.00
	Excavation, Backfill, Grading and Shoulders				
210	Granular Shoulders	Ton	71	$75.00	$5,325.00
	Street Patching and Pavement Repair				
310	PCC Full Depth Patches (M-4)	SY	1,923	$125.00	$240,375.00
320	PCC Full Depth Patches (IA DOT 5 Hr. PCC Mix)	SY	600	$185.00	$111,000.00
330	HMA Full Depth Patches	SY	25	$100.00	$2,500.00
340	HMA Partial Depth Patches	SY	138	$60.00	$8,280.00
350	4" Sidewalk Replacement and Removal	SY	25	$65.00	$1,625.00
360	6" Sidewalk Replacement and Removal	SY	25	$75.00	$1,875.00
370	2' x 4' Truncated Dome Panels	EA.	4	$350.00	$1,400.00
380	Replace Top Beams and Castings Only (M-D & M-I	EA.	1	$3,500.00	$3,500.00
390	Replace Top Beams and Castings Only (M-A & M-(	EA.	1	$2,500.00	$2,500.00
395	18" PCC Curb Replacement	LF	545	$55.00	$29,975.00
	Surface Preparation For HMA Resurfacing				
410	Surface Cleaning/Tack Coat	SY	52,146	$0.65	$33,894.90
420	Tack Coat	SY	12,486	$0.20	$2,497.20
430	Surface Milling	SY	43,119	$4.25	$183,255.75
440	Grinding-Butt Joints	SY	3,433	$10.00	$34,330.00
	Hot Mix Asphalt (HMA)				
510	1/2" HMA Surface Course (1 million ESAL) (65% Crushed)	TON	4,698	$97.00	$455,706.00
520	1/2" HMA Leveling Course (1 million ESAL) (65% Crushed)	TON	118	$97.00	$11,446.00
530	1/2" HMA Surface Course (3 million ESAL) (75% Crushed)	TON	1,091	$97.00	$105,827.00
540	1/2" HMA Intermediate Course (3 million ESAL) (75% Crushed)	TON	1,092	$97.00	$105,924.00
	Traffic Control				
610	Traffic Control	LS	1	$35,000.00	$35,000.00

West Des Moines

ENGINEER'S ESTIMATE
2016 HMA RESURFACING PROGRAM
WEST DES MOINES, IOWA

PROJECT NO. 0510-005-2016

	Description	Unit	Quantity	Unit Price	Extended Price
620	Flagger	Day	24	$400.00	$9,600.00
	Painted Pavement Markings				
710	Broken White Line 4" (Equivalent)	Sta.	1.18	$60.00	$70.65
720	Double Yellow Lines 4"-8"-4" (Equivalent)	Sta.	27.04	$60.00	$1,622.40
730	Solid White Line 4" (Equivalent)	Sta.	22.77	$60.00	$1,366.20
740	Solid Yellow Line 4" (Equivalent)	Sta.	2.12	$60.00	$127.20
750	Broken Yellow Line 4" (Equivalent)	Sta.	2.16	$60.00	$129.75
760	Left Turn Arrow	EA.	11	$125.00	$1,375.00
770	Right Turn Arrow	EA.	3	$125.00	$375.00
780	White Stop Bar	EA.	4	$400.00	$1,600.00
790	White Pedestrian Crossing	EA.	1	$400.00	$400.00
791	School Crossing Symbol	EA.	4	$400.00	$1,600.00
792	Railroad Crossing Symbol	EA.	2	$400.00	$800.00
	Traffic Signal Items				
810	Traffic Detection Loops	EA.	15	$1,000.00	$15,000.00
	Mobilzation				
910	Mobilization	LS	1	$30,000.00	$30,000.00

Total Project Cost: $1,560,602.05

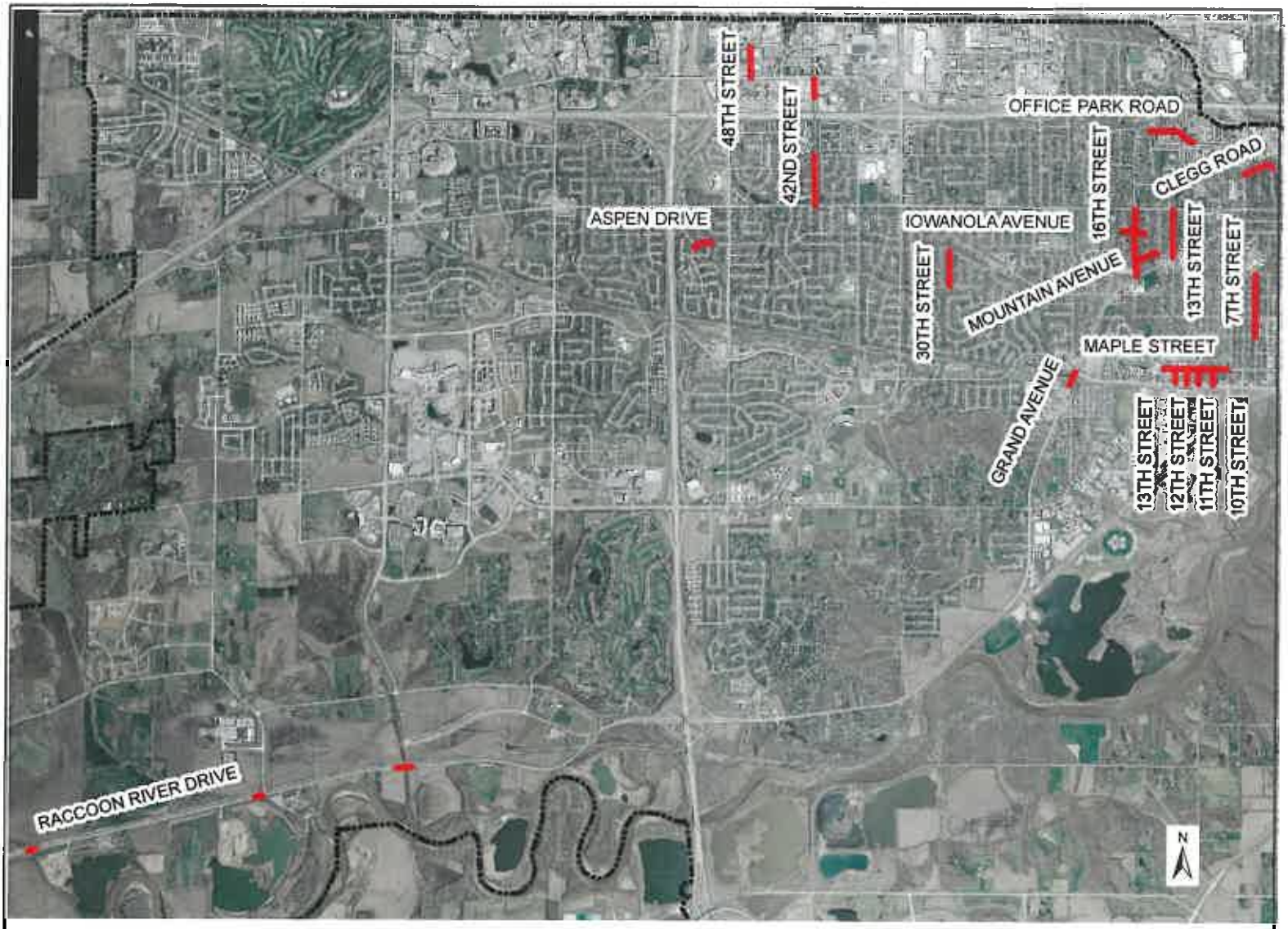
LICENSED PROFESSIONAL ENGINEER
Jeffrey L. Nash
11453
IOWA

I HEREBY CERTIFY THAT THIS ENGINEER'S ESTIMATE OF CONSTRUCTION COSTS WERE 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.

Jeffrey L. Nash — 1-20-2016

Jeffrey L. Nash, P.E. — Date

Registration Expires December 31, 2016



VICINITY MAP

LEGEND

PROJECT LOCATIONS

THE CITY OF WEST DES MOINES

DEPARTMENT OF PUBLIC WORKS
ENGINEERING DIVISION
560 S. 16TH STREET (515)222-3475
WEST DES MOINES, IOWA 50265
FAX NO. (515)222-3478

PROJECT:	**2016 HMA RESURFACING PROGRAM 0510-005-2016**
LOCATION:	**VARIOUS**
DRAWN BY: REF	DATE: 1/12/2016 — SHT. 1 OF 1