# CITY OF WEST DES MOINES
# CITY COUNCIL MEETING COMMUNICATION

**DATE: February 23, 2015**

**ITEM:**

Resolution - Ordering Construction
2015 HMA Resurfacing Program

**FINANCIAL IMPACT:**

The engineering estimate of construction cost for the 2015 HMA Resurfacing Program is $968,316.75. Payments will be made from budgeted account number 4286.75.820.6.7910.

**BACKGROUND:**

A Bid Letting should be scheduled for 2:00 p.m. on Wednesday, March 4, 2015, and a Public Hearing on the project should be scheduled for 5:35 p.m. on Monday, March 9, 2015. The contract would be awarded on Monday, March 9, 2015, and work will begin shortly thereafter.

This project will resurface various locations in the City of West Des Moines. Types of work including approximately 630 tons of 1 million ESAL ½" Hot Mix Asphalt (HMA) surface course, 153 tons of 1 million ESAL ½" HMA leveling course 2,323 tons of 3 million ESAL ½" Hot Mix Asphalt (HMA) surface course, 2325 tons of 3 million ESAL ½" Hot Mix Asphalt (HMA) intermediate course, 350 tons of 3 million ESAL ½" Hot Mix Asphalt (HMA) leveling course, 4,046 square yards of grinding butt joints, 7,561 square yards of surface milling, surface cleaning/tack coat, 1,042 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, 2015.

**RECOMMENDATION:**

City Council Adopt:

- Resolution Ordering Construction of the 2015 HMA Resurfacing Program.
- Fixing 2:00 p.m. on Wednesday, March 4, 2015, 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 | RTG |

**PUBLICATION(S)** (if applicable)

| | |
|---|---|
| Published In | Des Moines Register |
| Dates(s) Published | |

**SUBCOMMITTEE REVIEW** (if applicable)

| | | | |
|---|---|---|---|
| Committee | Public Works | | |
| Date Reviewed | February 17, 2015 | | |
| 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:

**2015 HMA Resurfacing Program**
**Project No. 0510-007-2015**

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, March 9, 2015, 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, March 4, 2015.

**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, March 4, 2015, and the results of said bids shall be considered at a meeting of this Council on Monday, March 9, 2015, at 5:35 p.m. and acted upon at said time, or such time as may then be fixed.

**PASSED AND APPROVED** this 23rd day of February, 2015

_____
Steven K. Gaer, Mayor

**ATTEST:**

_____
Jody E. Smith, CMFA, MMC
City Clerk

**ENGINEER'S ESTIMATE**
**2015 HMA RESURFACING PROGRAM**
**WEST DES MOINES, IOWA**

**PROJECT NO. 0510-007-2015**

| | Description | Unit | Quantity | Unit Price | Extended Price |
|---|---|---|---|---|---|
| | **Fixture Adjustments** | | | | |
| 100 | Sewer Manholes (Re-use Casting & Adjust W/ Concrete Rings) | EA. | 4 | $750.00 | $3,000.00 |
| 110 | Sewer Manholes (Replace Casting & Adjust W/ Concrete Rings) | EA. | 4 | $1,500.00 | $6,000.00 |
| 120 | Utility Manholes (Adjust W/ Concrete Rings) | EA. | 2 | $750.00 | $1,500.00 |
| 130 | PCC 5 'x 5' Manhole Boxouts | EA. | 11 | $1,500.00 | $16,500.00 |
| 140 | Water Valve Box Adjustment | EA. | 7 | $150.00 | $1,050.00 |
| 150 | Retro to Slide Type Water Valve Top Replacement | EA. | 1 | $1,500.00 | $1,500.00 |
| 160 | Intake Castings, M-A & M-C (1 1/2" Risers) | EA. | 1 | $400.00 | $400.00 |
| 170 | Intake Castings, M-D & M-E (1 1/2" Risers) | EA. | 15 | $650.00 | $9,750.00 |
| 180 | Gas Valve Box Adjustment | EA. | 1 | $200.00 | $200.00 |
| | **Excavation, Backfill, Grading and Shoulders** | | | | |
| 200 | Not Used | | | | |
| | **Street Patching and Pavement Repair** | | | | |
| 300 | PCC Full Depth Patches (M-4) | SY | 942 | $125.00 | $117,750.00 |
| 310 | PCC Full Depth Patches (IA DOT 5 Hr. PCC Mix) | SY | 100 | $185.00 | $18,500.00 |
| 320 | HMA Full Depth Patches | SY | 50 | $75.00 | $3,750.00 |
| 330 | HMA Partial Depth Patches | SY | 196 | $60.00 | $11,760.00 |
| 340 | 4" Sidewalk Replacement and Removal | SY | 57 | $60.00 | $3,420.00 |
| 350 | 6" Sidewalk Replacement and Removal | SY | 25 | $70.00 | $1,750.00 |
| 360 | 2' x 4' Truncated Dome Panels | EA. | 4 | $300.00 | $1,200.00 |
| 370 | Replace Top Beams and Castings Only (M-D & M-I | EA. | 1 | $4,000.00 | $4,000.00 |
| 380 | Replace Top Beams and Castings Only (M-A & M-( | EA. | 1 | $3,000.00 | $3,000.00 |
| | **Surface Preparation For HMA Resurfacing** | | | | |
| 400 | Surface Cleaning/Tack Coat | SY | 31,926 | $0.75 | $23,944.50 |
| 410 | Tack Coat | SY | 26,653 | $0.20 | $5,330.60 |
| 420 | Surface Milling | SY | 7,561 | $4.25 | $32,134.25 |
| 430 | Grinding-Butt Joints | SY | 4,046 | $10.00 | $40,460.00 |
| | **Hot Mix Asphalt (HMA)** | | | | |
| 500 | 1/2" HMA Surface Course (1 million ESAL) (65% Crushed) | TON | 630 | $97.00 | $61,110.00 |
| 510 | 1/2" HMA Leveling Course (1 million ESAL) (65% Crushed) | TON | 153 | $97.00 | $14,841.00 |
| 520 | 1/2" HMA Surface Course (3 million ESAL) (75% Crushed) | TON | 2,323 | $97.00 | $225,331.00 |
| 530 | 1/2" HMA Intermediate Course (3 million ESAL) (75% Crushed) | TON | 2,325 | $97.00 | $225,525.00 |
| 540 | 1/2" HMA Leveling Course (3 million ESAL) (75% Crushed) | TON | 350 | $97.00 | $33,950.00 |
| | **Traffic Control** | | | | |
| 600 | Traffic Control | LS | 1 | $75,000.00 | $75,000.00 |

**ENGINEER'S ESTIMATE**
**2015 HMA RESURFACING PROGRAM**
**WEST DES MOINES, IOWA**

**PROJECT NO. 0510-007-2015**

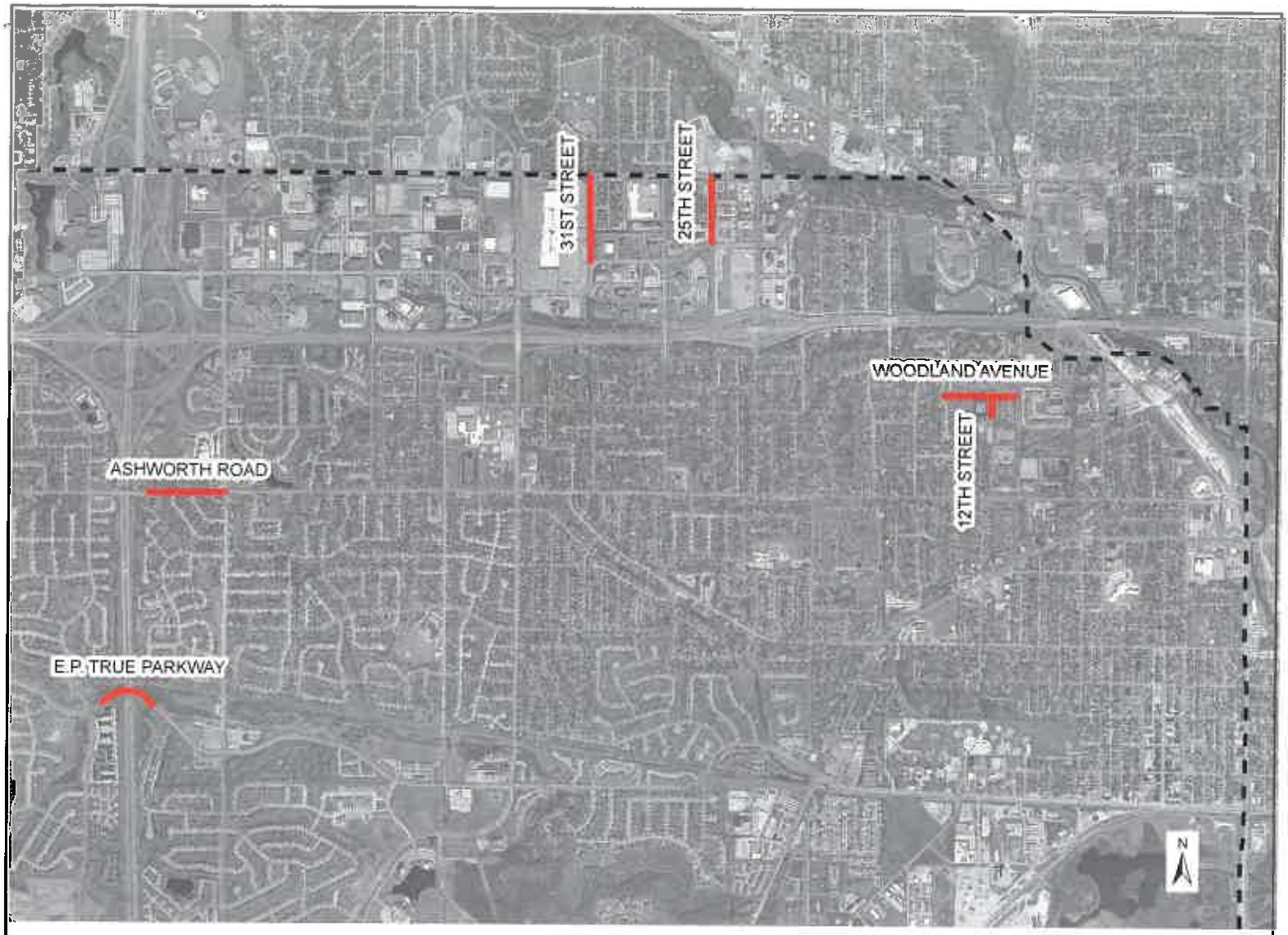
| | Description | Unit | Quantity | Unit Price | Extended Price |
|---|---|---|---|---|---|
| | **Painted Pavement Markings** | | | | |
| 700 | Broken White Line 4" (Equivalent) | Sta. | 16.76 | $70.00 | $1,173.20 |
| 710 | Double Yellow Lines 4"-8"-4" (Equivalent) | Sta. | 88.34 | $70.00 | $6,183.80 |
| 720 | Solid White Line 4" (Equivalent) | Sta. | 8.62 | $70.00 | $603.40 |
| 730 | Left Turn Arrow | EA. | 11 | $110.00 | $1,210.00 |
| 740 | Right Turn Arrow | EA. | 4 | $110.00 | $440.00 |
| 750 | White Stop Bar | EA. | 1 | $250.00 | $250.00 |
| 760 | White Pedestrian Crossing | EA. | 2 | $400.00 | $800.00 |
| | **Traffic Signal Items** | | | | |
| 800 | Traffic Detection Loops | EA. | 15 | $1,000.00 | $15,000.00 |
| | | | | **Total Project Cost:** | **$968,316.75** |

LICENSED PROFESSIONAL ENGINEER
Jeffrey L. Nash
11453
IOWA

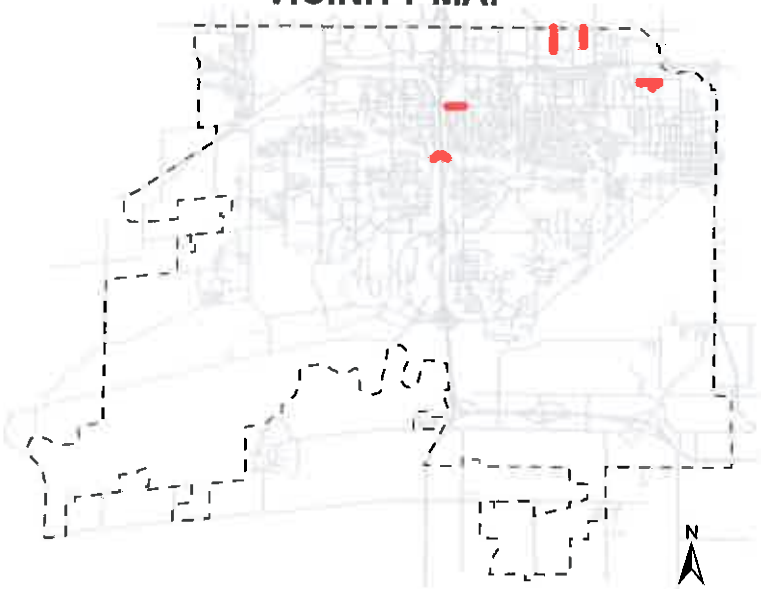
I HEREBY CERTIFY THAT THIS ENGINEER'S ESTIMATE OF CONSTRUCTION COSTS WERE PREPARED BY ME OR UNDER MY DIRECT PERSONAL SUPERVISION AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF IOWA.

Jeffrey L. Nash 2-13-15

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: | **2015 HMA RESURFACING PROGRAM 0510-007-2015** |
| LOCATION: | **VARIOUS** |
| DRAWN BY: REF | DATE: 2/12/2015 — SHT. 1 OF 1 |