

DATE March 6, 2017

ORDERING CONSTRUCTION OF  
2017-2018 HMA PAVEMENT SCARIFICATION AND RESURFACING  
AND FIXING A DATE FOR RECEIVING OF BIDS ON MARCH 21, 2017  
AND PUBLIC HEARING ON APRIL 3, 2017  
ENGINEER'S ESTIMATE IS \$927,500.00

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:

2017-2018 HMA Pavement Scarification and Resurfacing, 06-2017-006

The improvement includes scarification only of 2-inch average depth of asphalt street surfaces with specified milling machine and equipment in a cooperative effort with the City of Des Moines Public Works Department, all in accordance with the contract documents at the following locations within the City of Des Moines:

3rd Street from Grand Avenue to Walnut Street  
3rd Street from University Avenue to Creighton Avenue  
4th Street from Walnut Street to Depot Street  
S.E. 5th Street from edge of concrete south of S.E. McKinley Avenue to Titus Avenue  
7th Street from Walnut Street to Locust Street  
9th Street from Locust Street to Mulberry Street  
S.W. 9th Street from Fulton Avenue to south of Raccoon River Bridge  
11th Street from Mulberry Street to Cherry Street  
S.W. 12th Street from Virginia Avenue to Creston Avenue  
13th Street from Mulberry Street to Walnut Street  
E. 21st Street from E. University Avenue to Easton Boulevard  
Arlington Avenue from College Avenue to Franklin Avenue  
Depot Street from 3rd Street to 4th Street  
Hull Avenue from Columbia Street to Cornell Street  
McKinley Avenue from 16th Street to Fleur Drive  
Park Avenue from South Union Street to S.W. 6th Street  
Park Avenue from 12th Street to Park Plaza Drive  
Polk Boulevard from Observatory Road to University Avenue

The improvement includes furnishing all labor, materials and equipment necessary to construct a Hot Mix Asphalt (HMA) surfacing overlay of a single 2-inch lift on existing street surface, together with other incidental and related work; all in accordance with the contract documents at the following locations within the City of Des Moines:

S.W. 9th Street from Fulton Avenue to south of Raccoon River Bridge  
Park Avenue from 12th Street to Park Plaza Drive  
Polk Boulevard from Observatory Road to University Avenue

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The improvement includes scarification only of 3-inch average depth of asphalt street surfaces with specified milling machine and equipment in a cooperative effort with the City of Des Moines Public Works Department, all in accordance with the contract documents at the following locations within the City of Des Moines:

36th Place from Marianna Trail to Rose Hedge Drive  
43rd Street from Madison Avenue to Shawnee Avenue  
Ardmore Road from 36th Place to Aurora Avenue  
Crestwood Road from 36th Place to Manor Lane  
Franklin Avenue from 34th Street to Dead End East  
Rose Hedge Drive from 36th Place to Aurora Avenue

The improvement includes construction of sidewalk ramps with Portland Cement Concrete (PCC) sidewalk four (4) inches, six (6) inches or eight (8) inches thick, together with all necessary appurtenances; in accordance with the contract documents, at the following intersections located within the City of Des Moines:

3rd Street & Creighton Avenue  
3rd Street & University Avenue  
S.W. 5th Street & Park Avenue  
7th Street & Locust Street  
S.W. 9th Street & Bancroft Street  
S.W. 18th Street & McKinley Avenue  
E. 21st Street & University Court  
34th Street & Franklin Avenue  
36th Place & Marianna Trail  
43rd Street & Shawnee Avenue  
Ardmore Road & Shawnee Place  
Ardmore Road & Aurora Avenue  
Arlington Avenue & College Avenue  
Crestwood Road & 36th Place  
Manor Lane & Crestwood Road  
Polk Boulevard & Boulevard Place  
Polk Boulevard & Kingman Boulevard  
Polk Boulevard & Lakeview Drive  
Polk Boulevard & Observatory Road  
Rose Hedge Drive & Aurora Avenue

be and the same are hereby approved and accepted. The estimated construction cost for said improvement is \$927,500.00. 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.

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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 April 3, 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 March 21, 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 March 21, 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.

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 17-269 attached.)

Moved by \_\_\_\_\_ to adopt.

FORM APPROVED:

FUNDS AVAILABLE

Kathleen Vanderpool  
Kathleen Vanderpool  
Deputy City Attorney

D Ritter  
Daniel E. Ritter  
Des Moines Finance Director

AE Funding Source: Recommend 2017-18 CIP, Page Street - 4, Asphaltic Paving Restoration Program, ST003, Being: \$352,904.15 in G.O. Bonds to be issued, \$74,407.00 in TIF backed G.O. Bonds to be issued from ST003; and \$500,188.85 in G.O. Bonds from ST205

COUNCIL ACTION	YEAS	NAYS	PASS	ABSENT
COWNIE				
COLEMAN				
GATTO				
GRAY				
HENSLEY				
MOORE				
WESTERGAARD				
TOTAL				

MOTION CARRIED APPROVED

I, Diane Rauh, City Clerk of said City Council, hereby certify that at a meeting of the City Council, 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: 06-2017-006  
Date: 2/21/2017

### PROJECT: 2017-2018 HMA Pavement Scarification and Resurfacing

NO.	DESCRIPTION	ESTIMATED UNITS			AMOUNT
		UNIT	TOTAL	UNIT PRICE	TOTAL
1	* Calendar year 2017: Pavement milling; two (2) inch average thickness (this item includes milling, loading, and hauling)	SY	43,100.00	\$3.60	\$155,160.00
2	* Calendar year 2018: Pavement milling; two (2) inch average thickness (this item includes milling, loading, and hauling)	SY	18,480.00	\$3.65	\$67,452.00
3	Calendar year 2017: Two (2) inch (in place) hot mix asphalt overlay (includes placement and compaction of HMA and furnishing and placement of tack)	SY	17,350.00	\$3.00	\$52,050.00
4	Calendar year 2018: Two (2) inch (in place) hot mix asphalt overlay (includes placement and compaction of HMA and furnishing and placement of tack)	SY	7,455.00	\$3.00	\$22,365.00
5	Calendar year 2017: HMA (1M ESAL) Surface Course, 1/2" Mix, No Friction Requirement	TON	2,215.00	\$105.00	\$232,575.00
6	Calendar year 2018: HMA (1M ESAL) Surface Course, 1/2" Mix, No Friction Requirement	TON	965.00	\$110.00	\$106,150.00
7	* Calendar year 2017: Pavement milling; three (3) inch average thickness (this item includes milling, loading, and hauling)	SY	6,310.00	\$4.50	\$28,395.00
8	* Calendar year 2018: Pavement milling; three (3) inch average thickness (this item includes milling, loading, and hauling)	SY	2,700.00	\$4.75	\$12,825.00
9	* Milling Transverse PCC Joints (3" Max Depth)	LF	1,000.00	\$3.75	\$3,750.00
10	* Milling Longitudinal PCC Joints (3" Max Depth)	LF	600.00	\$5.00	\$3,000.00
11	* Temporary Painted Pavement Marking, Waterborne or Solvent Based	STA	152.70	\$80.00	\$12,216.00
12	Painted Pavement Marking, Waterborne Based	STA	56.56	\$100.00	\$5,656.00
13	Painted Symbols and Legend, Waterborne or Solvent Based	EACH	6.00	\$115.00	\$690.00
14	Durable Pavement Markings, Epoxy	STA	27.16	\$150.00	\$4,074.00
15	Durable Pavement Symbols & Legend, Epoxy	EACH	7.00	\$300.00	\$2,100.00
16	Inlay Pavement Markings, Profiled Marking Tape	STA	68.28	\$800.00	\$54,624.00
17	Inlay Pavement Markings, Intersection Marking Tape	STA	1.68	\$750.00	\$1,260.00
18	* Grooves Cut for Pavement Markings	STA	27.00	\$60.00	\$1,620.00
19	* Grooves Cut for Symbols and Legends	EACH	13.00	\$175.00	\$2,275.00
20	Sidewalk, 5" Class 'A', Remove and Replace	SY	50.00	\$86.00	\$4,300.00

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NO.	DESCRIPTION	ESTIMATED UNITS			AMOUNT
		UNIT	TOTAL	UNIT PRICE	TOTAL
21	Sidewalk, 4" Class 'B', Remove and Replace	SY	240.00	\$75.00	\$18,000.00
22	Sidewalk, Through Driveways, 6" PCC, Remove and Replace	SY	20.00	\$85.00	\$1,700.00
23	Sidewalk, ADA Compliant Ramp, 6" PCC, Remove and Replace	SY	577.00	\$115.00	\$66,355.00
24	Detectable Warnings - Cast Iron	SF	507.00	\$34.00	\$17,238.00
25	Remove & Replace Curb and Gutter	LF	70.00	\$40.00	\$2,800.00
26	* Saw Concrete - Full Depth	LF	1,410.00	\$7.00	\$9,870.00
27	* Saw Curb - Horizontal	LF	20.00	\$15.00	\$300.00
28	* Driveway, Removal	SY	20.00	\$15.00	\$300.00
29	Driveway, 6" PCC	SY	20.00	\$55.00	\$1,100.00
30	* Tree Root Grinding	EA	10.00	\$150.00	\$1,500.00
31	Sod, Nursery in Place	SQ	20.00	\$60.00	\$1,200.00
32	Hydraulic Seeding	SQ	20.00	\$45.00	\$900.00
33	Modular Wall	SF	100.00	\$35.00	\$3,500.00
34	New Stop Box Housing	EA	2.00	\$250.00	\$500.00
35	New Stop Box Rod	EA	2.00	\$250.00	\$500.00
36	Major Handhole Adjustment, Type I Precast Concrete Handhole	EA	2.00	\$1,200.00	\$2,400.00
37	Major Handhole Adjustment, Type II, III, or IV Polymer Concrete Handhole	EA	2.00	\$1,400.00	\$2,800.00
38	Loop Detector, Replacement, 6' x 8'	EA	3.00	\$1,000.00	\$3,000.00
39	Loop Detector, Replacement, 6' x 20'	EA	14.00	\$1,500.00	\$21,000.00
Prepared By: Matt Fenstermann					
Checked By: _____					
<b>TOTAL CONSTRUCTION COST</b>					<b>\$927,500.00</b>

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

\* Estimate Total= \$298,663.00