CITY OF WEST DES MOINES
CITY COUNCIL MEETING COMMUNICATION

DATE: March 4, 2019

ITEM:

Resolution - Ordering Construction
South 88th Street & Mills Civic Parkway Reconstruction

FINANCIAL IMPACT:

The Engineering Estimate of Construction Cost for the South 88th Street & Mills Civic Parkway Reconstruction is $7,262,723.50 for the Base Bid and $829,000.00 for Alternate 1 for a total cost of $8,091,723.50. Payments will be made from account no. 500.000.000.5250.490 with the ultimate funding intended to come from Coachlight Drive Urban Renewal Area TIF. Funds for the project are available in the FY 19-20 budget, but due to timing of the construction season, this project will begin on an accelerated schedule.

BACKGROUND:

A Bid Letting should be scheduled for 2:00 p.m. on Wednesday, March 27, 2019 and a Public Hearing on the project should be scheduled for 5:35 p.m. on Monday, April 1, 2019. The contract would be awarded on Monday, April 1, 2019 and work will begin shortly thereafter.

The project will include reconstruction of South 88th Street from an existing two-lane rural roadway to an ultimate five-lane urban undivided roadway with a two-way left turn lane from Coachlight Drive to just short of Cascade Avenue. Only three lanes will be constructed at this time. The project will also include reconstruction of Mills Civic Parkway from an existing two-lane rural roadway to an ultimate six-lane urban divided roadway with median from South 81st Street to South 91st Street. Only three lanes will be constructed at this time, with no median. The project also includes grading, storm sewer, water main, paving, multi-use trail, trailhead/parking lot near cemetery, traffic signal at South 88th Street & Mills Civic Parkway intersection, joint utility trench (Alternate 1), and other miscellaneous work. All concrete street paving shall be completed and open to traffic by November 15, 2019. The remainder of the work shall be completed by May 15, 2020.

A public informational meeting for this project was held on December 11, 2018.

OUTSTANDING ISSUES: None.

RECOMMENDATION:

City Council Adopt:

- Resolution Ordering Construction of the South 88th Street & Mills Civic Parkway Reconstruction.
- Fixing 2:00 p.m. on Wednesday, March 27, 2019 as the time and date for project Bid Letting.
- Ordering the City Clerk to publish notice of Letting and Public Hearing.

Lead Staff Member: Brian J. Hemesath, P.E., City Engineer BJH

STAFF REVIEWS

Department Director	Brian J. Hemesath, P.E., City Engineer
Appropriations/Finance	Tim Stiles, Finance Director
Legal	Richard Scieszinski, City Attorney
Agenda Acceptance	RTG

PUBLICATION(S) (if applicable)

Published In	
Dates(s) Published	

SUBCOMMITTEE REVIEW (if applicable)

Committee	Public Services		
Date Reviewed	February 25, 2019		
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:

South 88th Street & Mills Civic Parkway Reconstruction
Project No. 0510-048-2018

is hereby ordered to be constructed according to the Plans and Specifications prepared by HR Green, Inc. of Johnston, Iowa 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, April 1, 2019 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 thirteen (13) 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, March 27, 2019.

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, March 27, 2019 and the results of said bids shall be considered at a meeting of this Council on Monday, April 1, 2019 at 5:35 p.m. and acted upon at said time, or such time as may then be fixed.

PASSED AND APPROVED on this **4th** day of **March, 2019.**

_____
Steven K. Gaer, Mayor

ATTEST:

_____
Ryan T. Jacobson, City Clerk

OPINION OF PROBABLE CONSTRUCTION COST

S. 88TH STREET & MILLS CIVIC PARKWAY
1/4 MILE NORTH, SOUTH, AND WEST AND 1/2 MILE EAST
WEST DES MOINES, IOWA
PROJECT NO. 0510-048-2018
February 26, 2019

Item No.	Item Code	Item	Unit	Unit Price	Quantity	Total
DIVISION 2 - EARTHWORK						
2.1	2010-108-C-0	CLEARING AND GRUBBING	LS	$ 35,000.00	1	$ 35,000.00
2.2	2010-108-D-1	TOPSOIL, ON-SITE	CY	$ 5.00	37,378	$ 186,890.00
2.3	2010-108-E-0	EXCAVATION, CLASS 10 ROADWAY AND BORROW	CY	$ 7.50	53,250	$ 399,375.00
2.4	2010-108-E-0	EXCAVATION, CLASS 10 WASTE	CY	$ 10.00	25,297	$ 252,970.00
2.5	2010-108-G-0	SUBGRADE PREPARATION, 12"	SY	$ 3.50	39,549	$ 138,421.50
2.6	2010-108-H-0	SUBGRADE TREATMENT, LIME	SY	$ 15.00	23,652	$ 354,780.00
2.7	2010-108-I-0	SUBBASE, GRANULAR, 6"	SY	$ 10.00	38,845	$ 388,450.00
DIVISION 4 - SEWERS AND DRAINS						
4.1	4020-108-A-1	STORM SEWER, TRENCHED, RCP 3750D, 15 IN. DIA.	LF	$ 70.00	3,239	$ 226,730.00
4.2	4020-108-A-1	STORM SEWER, TRENCHED, RCP 3750D, 18 IN. DIA.	LF	$ 80.00	1,668	$ 133,440.00
4.3	4020-108-A-1	STORM SEWER, TRENCHED, RCP 2000D, 24 IN. DIA.	LF	$ 90.00	1,364	$ 122,760.00
4.4	4020-108-A-1	STORM SEWER, TRENCHED, RCP 3000D, 24 IN. DIA.	LF	$ 100.00	346	$ 34,600.00
4.5	4020-108-A-1	STORM SEWER, TRENCHED, RCP 2000D, 30 IN. DIA.	LF	$ 110.00	1,317	$ 144,870.00
4.6	4020-108-A-1	STORM SEWER, TRENCHED, RCP 2000D, 36 IN. DIA.	LF	$ 120.00	100	$ 12,000.00
4.7	4020-108-X-X	CONNECTION TO EXISTING STRUCTURE	EA	$ 2,000.00	1	$ 2,000.00
4.8	4020-108-X-X	CONNECTION TO EXISTING PIPE	EA	$ 1,000.00	1	$ 1,000.00
4.9	4020-108-C-0	REMOVAL OF STORM SEWER, LESS THAN OR EQUAL TO 36"	LF	$ 25.00	582	$ 14,550.00
4.10	4030-108-B-0	PIPE APRON, RCP, TYPE 1 15 IN. DIA.	EA	$ 2,000.00	6	$ 12,000.00
4.11	4030-108-B-0	PIPE APRON, RCP, TYPE 1 30 IN. DIA.	EA	$ 3,000.00	1	$ 3,000.00
4.12	4040-108-A-0	SUBDRAIN, TYPE 1A, PVC, 6 IN. DIA.	LF	$ 15.00	6,355	$ 95,325.00
4.13	4040-108-C-0	SUBDRAIN, CLEANOUT, TYPE A-1, 6 IN.	EA	$ 600.00	21	$ 12,600.00
4.14	4040-108-D-0	SUBDRAIN OUTLETS AND CONNECTIONS, PVC, 6 IN.	EA	$ 500.00	17	$ 8,500.00
4.15	4040-XXX-X-X	SUBDRAIN CONNECTION TO STORM SEWER PIPE	EA	$ 500.00	3	$ 1,500.00
4.16	4040-XXX-X-X	LOCATING TILE LINES	STA	$ 2,500.00	1	$ 2,500.00
4.17	4040-XXX-X-X	SUBDRAIN, CMP, 12 IN. DIA.	LF	$ 30.00	500	$ 15,000.00
DIVISION 5 - WATER MAINS AND APPURTENANCES						
5.1	5010-108-A-1	WATER MAIN, 8 IN. DIA., PVC C900, DR 18, RESTRAINED JOINT	LF	$ 50.00	5	$ 250.00
5.2	5010-108-A-1	WATER MAIN, 12 IN. DIA., PVC C900, DR 18, RESTRAINED JOINT	LF	$ 75.00	19	$ 1,425.00
5.3	5010-108-A-1	WATER MAIN, 16 IN. DIA., PVC C900, DR 18, PUSH ON	LF	$ 65.00	979	$ 63,635.00
5.4	5010-108-A-1	WATER MAIN, 16 IN. DIA., PVC C905, DR 18, RESTRAINED JOINT	LF	$ 85.00	666	$ 56,610.00
5.5	5010-108-C-2	WATER MAIN FITTINGS, DI MECHANICAL JOINT	LBS	$ 6.00	3,787	$ 22,722.00
5.6	5020-108-A-0	GATE VALVE, 12 IN. DIA	EA	$ 5,000.00	1	$ 5,000.00
5.7	5020-108-A-0	GATE VALVE, 16 IN. DIA	EA	$ 6,500.00	3	$ 19,500.00
5.8	5020-108-C-0	FIRE HYDRANT ASSEMBLY	EA	$ 5,500.00	1	$ 5,500.00
5.9	5020-108-E-0	VALVE BOX ADJUSTMENT	EA	$ 200.00	12	$ 2,400.00
5.10	5020-108-G-0	VALVE BOX REPLACEMENT	EA	$ 500.00	14	$ 7,000.00
5.11	5020-108-H-0	FIRE HYDRANT ADJUSTMENT - MINOR	EA	$ 1,000.00	8	$ 8,000.00
5.12	5020-108-H-0	FIRE HYDRANT ADJUSTMENT - MAJOR	EA	$ 2,500.00	4	$ 10,000.00
5.13	5020-108-H-0	FIRE HYDRANT ADJUSTMENT - EXTENSION	EA	$ 2,500.00	3	$ 7,500.00
5.14	5020-108-I-0	FIRE HYDRANT ASSEMBLY REMOVAL	EA	$ 500.00	1	$ 500.00
DIVISION 6 - STRUCTURES FOR SANITARY AND STORM SEWERS						
6.1	6010-108-A-0	MANHOLE, SW-402 (4'X4')	EA	$ 3,000.00	1	$ 3,000.00
6.2	6010-108-A-0	MANHOLE, SW-402 (4'X5')	EA	$ 3,500.00	1	$ 3,500.00
6.3	6010-108-A-0	MANHOLE, SW-403 (4'X4')	EA	$ 4,000.00	1	$ 4,000.00
6.4	6010-108-B-0	INTAKE, SW-501	EA	$ 3,500.00	10	$ 35,000.00
6.5	6010-108-B-0	INTAKE, SW-503	EA	$ 4,500.00	13	$ 58,500.00
6.6	6010-108-B-0	INTAKE, SW-503 (MODIFIED)	EA	$ 4,500.00	4	$ 18,000.00
6.7	6010-108-B-0	INTAKE, SW-505	EA	$ 5,500.00	5	$ 27,500.00
6.8	6010-108-B-0	INTAKE, SW-506	EA	$ 6,500.00	6	$ 39,000.00
6.9	6010-108-B-0	INTAKE, SW-506, MODIFIED	EA	$ 7,500.00	2	$ 15,000.00
6.10	6010-108-B-0	INTAKE, SW-506, MODIFIED, FULL BOX	EA	$ 7,500.00	2	$ 15,000.00
6.11	6010-108-B-0	INTAKE, SW-513 (3'X3') - 1 OPEN SIDE	EA	$ 3,000.00	1	$ 3,000.00
6.12	6010-108-B-0	INTAKE, SW-513 (3'X3') - 2 OPEN SIDES	EA	$ 3,000.00	1	$ 3,000.00

Item No.	Item Code	Item	Unit	Unit Price	Quantity	Total
6.13	6010-108-B-0	INTAKE, SW-513 (4'X4') - 1 OPEN SIDE	EA	$ 3,500.00	1	$ 3,500.00
6.14	6010-108-H-0	REMOVE INTAKE	EA	$ 1,500.00	2	$ 3,000.00
DIVISION 7 - STREETS AND RELATED WORK						
7.1	7010-108-A-0	PAVEMENT, PCC, REINFORCED W/ CD BASKETS, 10 IN.	SY	$ 65.00	18,600	$ 1,209,000.00
7.2	7010-108-A-0	PAVEMENT, PCC, REINFORCED W/ CD BASKETS, 9 IN.	SY	$ 60.00	1,260	$ 75,600.00
7.3	7010-108-A-0	PAVEMENT, PCC, REINFORCED W/ CD BASKETS, 8 IN.	SY	$ 55.00	12,760	$ 701,800.00
7.4	7010-108-A-0	PAVEMENT, PCC, REINFORCED, 7 IN.	SY	$ 50.00	2,170	$ 108,500.00
7.6	7010-XXX-X-X	COLD WEATHER PROTECTION, CLASS C-SUD PCC PAVING	SY	$ 10.00	1,000	$ 10,000.00
7.7	7030-108-A-0	REMOVAL OF DRIVEWAY	SY	$ 10.00	960	$ 9,600.00
7.8	7030-108-C-0	SHARED USE PATH, PCC, REINFORCED, 6 IN.	SY	$ 50.00	7,760	$ 388,000.00
7.9	7030-108-D-0	SPECIAL SUBGRADE PREPARATION FOR SHARED USE PATH	SY	$ 3.50	10,870	$ 38,045.00
7.10	7030-108-E-0	SIDEWALK, PCC 4 IN.	SY	$ 50.00	50	$ 2,500.00
7.11	7030-108-G-0	DETECTABLE WARNINGS	SY	$ 20.00	260	$ 5,200.00
7.12	7030-108-H-1	DRIVEWAY, PAVED, PCC, 6 IN.	SY	$ 50.00	970	$ 48,500.00
7.13	7030-108-H-2	DRIVEWAY, GRANULAR	TON	$ 35.00	190	$ 6,650.00
7.14	7040-108-A-0	FULL DEPTH PATCHS	SY	$ 150.00	975	$ 146,250.00
7.15	7040-108-H-0	PAVEMENT REMOVAL	SY	$ 10.00	22,140	$ 221,400.00
7.16	7040-XXX-X-X	GRANULAR SHOULDER, TYPE B	SY	$ 35.00	410	$ 14,350.00
7.17	7040-XXX-X-X	TEMPORARY GRANULAR SURFACE, CLASS A	TON	$ 35.00	1,000	$ 35,000.00
DIVISION 8 - TRAFFIC CONTROL						
8.1	8010-108-A-0	TRAFFIC SIGNAL	LS	$ 250,000.00	1	$ 250,000.00
8.2	8010-108-B-0	TEMPORARY TRAFFIC SIGNAL, SPAN WIRE MOUNTING SYSTEM	LS	$ 20,000.00	1	$ 20,000.00
8.3	8010-108-B-0	TEMPORARY TRAFFIC SIGNAL, TRAILER MOUNTING SYSTEM	LS	$ 10,000.00	1	$ 10,000.00
8.4	8020-108-B-0	PAINTED PAVEMENT MARKINGS, SOLVENT/WATERBORNE	STA	$ 150.00	217	$ 32,550.00
8.5	8020-108-G-0	PAINTED SYMBOLS AND LEGENDS, SOLVENT/WATERBORNE	EA	$ 150.00	74	$ 11,100.00
8.6	8020-108-K-0	PAVEMENT MARKING REMOVAL, WATER BLAST	STA	$ 50.00	15	$ 750.00
8.7	8020-108-L-0	PAINTED SYMBOL REMOVALS, WATER BLAST	EA	$ 100.00	5	$ 500.00
8.8	8030-108-A-0	TRAFFIC CONTROL	LS	$ 75,000.00	1	$ 75,000.00
8.9	8030-XXX-X-X	MESSAGE BOARD	DAY	$ 500.00	30	$ 15,000.00
8.10	8030-XXX-X-X	FLAGGERS	DAY	$ 1,500.00	10	$ 15,000.00
DIVISION 9 - SITE WORK AND LANDSCAPING						
9.1	9010-108-A-0	HYDRAULIC SEEDING, SEEDING, FERTILIZING, AND MULCHING, RESCUE PLUS (PERMANENT LAWN MIXTURE)	AC	$ 2,000.00	34	$ 68,000.00
9.3	9010-108-A-0	HYDRAULIC SEEDING, SEEDING, FERTILIZING, AND MULCHING, TYPE 4 (URBAN TEMPORARY EROSION CONTROL MIXTURE)	AC	$ 1,000.00	68	$ 68,000.00
9.4	9010-108-D-0	WATERING FOR SOD	MGAL	$ 65.00	12	$ 780.00
9.5	9010-108-X-X	MOBILIZATION FOR WATERING	EA	$ 500.00	5	$ 2,500.00
9.6	9020-108-A-0	SOD	SQ	$ 60.00	20	$ 1,200.00
9.7	9040-108-A-2	SWPPP, PREPARATION AND MANAGEMENT	LS	$ 15,000.00	1	$ 15,000.00
9.8	9040-108-F-1	WATTLE, STRAW, 12 IN.	LF	$ 3.50	15,400	$ 53,900.00
9.9	9040-108-F-2	WATTLE REMOVAL	LF	$ 0.50	15,400	$ 7,700.00
9.10	9040-108-J-0	RIP-PAP, CLASS 3 REVENTMENT	TON	$ 60.00	50	$ 3,000.00
9.11	9040-108-N-1	SILT FENCE OR SILT FENCE FOR DITCH CHECK	LF	$ 5.00	15,400	$ 77,000.00
9.12	9040-108-N-2	SILT FENCE OR SILT FENCE FOR DITCH CHECK REMOVAL OF SEDIMENT	LF	$ 0.25	15,400	$ 3,850.00
9.13	9040-108-N-3	SILT FENCE OR SILT FENCE FOR DITCH CHECK REMOVAL OF DEVICE	LF	$ 0.25	15,400	$ 3,850.00
9.14	9040-108-O-1	STABILIZED CONSTRUCTION ENTRANCE	SY	$ 25.00	1,560	$ 39,000.00
9.15	9040-108-Q-2	EROSION CONTROL MULCHING, HYDROMULCHING, BONDED FIBER MATRIX, (BFM)	AC	$ 2,000.00	136	$ 272,000.00
9.16	9040-108-R-0	TURF REINFORCEMENT MAT	SQ	$ 75.00	75	$ 5,625.00
9.17	9040-108-T-1	INLET PROTECTION DEVICE, DROP-IN, INSTALLATION, MAINTENANCE AND REMOVAL	EA	$ 500.00	57	$ 28,500.00
	9040-108-T-1	INLET PROTECTION DEVICE, SURFACE APPLIED, INSTALLATION, MAINTENANCE AND REMOVAL	EA	$ 500.00	26	$ 13,000.00
9.18	9060-108-E-0	REMOVAL OF FENCE	LF	$ 2.00	3,110	$ 6,220.00
9.19	9060-XXX-X-X	STREET SWEEPING	EA	$ 1,500.00	12	$ 18,000.00
DIVISION 11 - MISCELLANEOUS						
11.1	11010-108-A	CONSTRUCTION SURVEY	LS	$ 50,000.00	1	$ 50,000.00
11.2	11030-108-A-0	MAINTENANCE OF POSTAL SERVICE	LS	$ 15,000.00	1	$ 15,000.00
11.3	11030-108-B-0	MAINTENANCE OF SOLID WASTE COLLECTION	LS	$ 6,000.00	1	$ 6,000.00
11.4	11050-108-B-0	CONCRETE WASHOUT	LS	$ 10,000.00	1	$ 10,000.00
11.5	11050-XXX-X-X	MISCELLANEOUS REMOVALS	LS	$ 5,000.00	1	$ 5,000.00
					Base Bid Total:	**$ 7,262,723.50**

Item No.	Item Code	Item	Unit	Unit Price	Quantity	Total
ALTERNATE 1 - JOINT UTILITY TRENCH						
A.1	8040-XXX-X-X	JOINT TRENCH	LF	$ 10.00	3,800	$ 38,000.00
A.2	8040-XXX-X-X	PLACEMENT OF CONDUIT IN TRENCH (4")	LF	$ 5.00	45,600	$ 228,000.00
A.3	8040-XXX-X-X	PRIMARY HAND HOLES (48"x72"x48" DEEP)	EA	$ 6,500.00	6	$ 39,000.00
A.4	8040-XXX-X-X	SECONDARY HAND HOLES (30"x48"x36" DEEP)	EA	$ 5,000.00	72	$ 360,000.00
A.5	8040-XXX-X-X	TESTING OF DUCT BANK CONDUIT	LS	$ 50,000.00	1	$ 50,000.00
A.6	8040-XXX-X-X	PULL ROPE WITH TRACE WIRE INSTALLATION	LF	$ 2.50	45,600	$ 114,000.00
					Alternate 1 Total:	**$ 829,000.00**

LICENSED PROFESSIONAL ENGINEER
CASEY R. PATTON 20644
IOWA

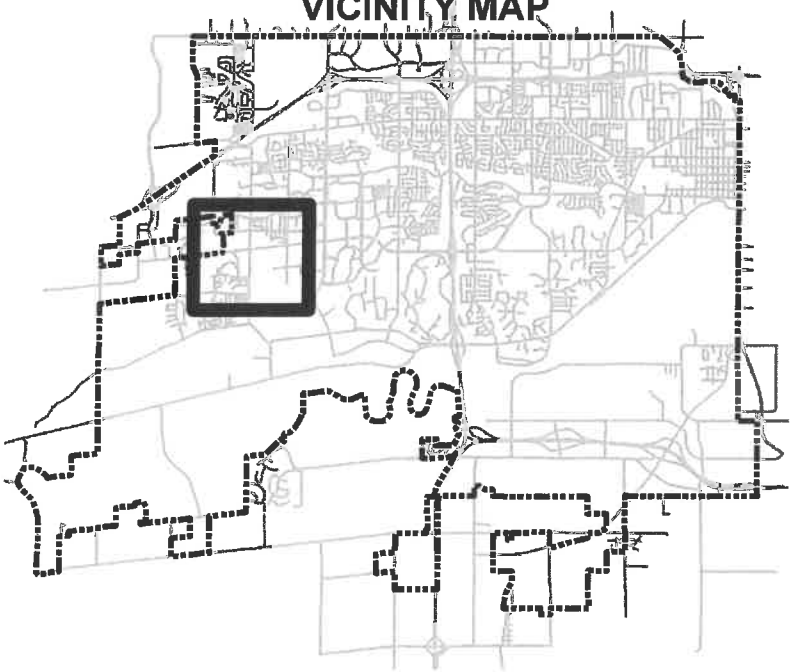
I hereby certify that this engineering document was prepared by me or under my direct personal supervision and that I am a duly licensed Professional Engineer under the laws of the State of Iowa.

Date: 2/26/2019

CASEY R. PATTON, P.E.
License No. **20644**
My renewal date is **December 31, 2020**

Pages or sheets covered by this seal:
Opinion of Probable Construction Cost

VICINITY MAP



LEGEND

PROJECT LOCATION

N
W E
S

THE CITY OF WEST DES MOINES

PROJECT:

South 88th Street and Mills Civic Parkway Reconstruction

LOCATION: **Exhibit "A"**

DRAWN BY: JDR	DATE: 9/26/2018	PROJECT NUMBER/NAME: 0510-048-2018	SHT. 1 of 1