CITY OF WEST DES MOINES
CITY COUNCIL MEETING COMMUNICATION

DATE: September 7, 2021

ITEM:

Resolution - Ordering Construction
SE County Line Road – Veterans Parkway to SE Soteria Avenue

FINANCIAL IMPACT:

The Engineering Estimate of Construction Cost for SE County Line Road – Veterans Parkway to SE Soteria Avenue is $6,068,811.66. Payments will be made from account no. 500.000.000.5250.490 with the ultimate funding intended to come from Alluvion Urban Renewal Area TIF.

BACKGROUND:

A Bid Letting should be scheduled for 2:00 p.m. on Wednesday, September 29, 2021 and a Public Hearing on the project should be scheduled for 5:35 p.m. on Monday, October 4, 2021. The contract would be awarded on Monday, October 4, 2021 and work will begin shortly thereafter.

The project includes the reconstruction of SE County Line Road from Veterans Parkway to SE Soteria Avenue as part of Microsoft's Ginger East development. SE County Line Road (major arterial) will ultimately be a four-lane undivided urban roadway with only the two northern westbound lanes being constructed as part of the initial construction. Minor reconstruction of SE Soteria Avenue near the SE Maffitt Lake Road intersection is also necessary to accommodate the abandonment of SE Maffitt Lake Road between Veterans Parkway and SE Soteria Avenue. Reconstruction of SE County Line Road will include a pedestrian underpass for the Great Western Trail under realigned SE County Line Road. The project will include grading, storm sewer, watermain, paving, pedestrian underpass, multi-use trail, and other miscellaneous work. Close coordination with the City of Norwalk, Polk County Conservation, and Warren County Conservation have taken place and will continue. The pedestrian underpass work will include a temporary trail detour and shall be complete by May 1, 2022. All watermain shall be installed and operational by June 1, 2022. All paving shall be complete and open to traffic by September 1, 2022 with final restoration complete by October 31, 2022.

OUTSTANDING ISSUES:

None.

RECOMMENDATION:

City Council Adopt:

- Resolution Ordering Construction of SE County Line Road – Veterans Parkway to SE Soteria Avenue.
- Fixing 2:00 p.m. on Wednesday, September 29, 2021 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

STAFF REVIEWS

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

PUBLICATION(S) (if applicable)

Published In	
Dates(s) Published	

SUBCOMMITTEE REVIEW (if applicable)

Committee	Public Services		
Date Reviewed	August 23, 2021		
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:

SE County Line Road – Veterans Parkway to SE Soteria Avenue
Project No. 0510-015-2021

is hereby ordered to be constructed according to the Plans and Specifications prepared by Olsson, Inc., of Des Moines, 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, October 4, 2021, 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, September 29, 2021.

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, September 29, 2021 and the results of said bids shall be considered at a meeting of this Council on Monday, October 4, 2021 at 5:35 p.m. and acted upon at said time, or such time as may then be fixed.

PASSED AND APPROVED on this **7th** day of **September, 2021.**

_____
Steven K. Gaer, Mayor

ATTEST:

_____
Ryan T. Jacobson, City Clerk

ENGINEER'S OPINION OF PROBABLE COST
FINAL PLANS

olsson

Client: City of West Des Moines
Project: SE County Line Road
Project Number: 0510-015-2021
Date: 8/27/2021

ITEM NO.	ITEM CODE	ITEM DESCRIPTION	UNIT	QUANTITY	UNIT COST $	COST $
DIVISION 2 - EARTHWORK, SUBGRADE AND SUBBASE						
2.01	2010-A	CLEARING AND GRUBBING	LS	1	$75,000.00	$75,000.00
2.02	2010-D-1	TOPSOIL, ON-SITE	CY	22911	$7.50	$171,832.50
2.03	2010-E	EXCAVATION, CLASS 10	CY	45542	$10.00	$455,420.00
2.04	2010-E	EXCAVATION, CLASS 10, BORROW	CY	806	$12.00	$9,672.00
2.05	2010-E	EXCAVATION, CLASS 10, WASTE	CY	914	$8.00	$7,312.00
2.06	2010-F	BELOW GRADE EXCAVATION	CY	1050	$12.00	$12,600.00
2.07	2010-G	SUBGRADE PREPARATION, 6 IN.	SY	9257	$2.00	$18,514.00
2.08	2010-G	SUBGRADE PREPARATION, 12 IN.	SY	25572	$3.50	$89,502.00
2.09	2010-H	SUBGRADE TREATMENT, CEMENT	SY	14500	$4.00	$58,000.00
2.10	2010-J-2-a	REMOVAL OF KNOWN BOX CULVERT, RCB, 42-INCH	LF	35	$40.00	$1,400.00
2.11	2010-J-2-c	REMOVAL OF KNOWN PIPE CULVERT	LF	520	$30.00	$15,600.00
2.12	2010-J-3-a	REMOVAL OF KNOWN PIPE, WATER MAIN, 16-INCH	LF	52	$20.00	$1,040.00
DIVISION 3 - TRENCH EXCAVATION AND BACKFILL						
3.01	3010-D	REPLACEMENT OF UNSUITABLE BACKFILL MATERIAL	CY	1050	$15.00	$15,750.00
3.02	3010-999-A	STORM SEWER ROCK CHIMNEY	EA	13	$500.00	$6,500.00
DIVISION 4 - SEWERS AND DRAINS						
4.01	4010-K	SANITARY SEWER ABANDONMENT, PLUG	EA	1	$1,250.00	$1,250.00
4.02	4010-L	SANITARY SEWER ABANDONMENT, FILL AND PLUG	LF	360	$10.00	$3,600.00
4.03	4020-A-1	STORM SEWER, TRENCHED, RCP, CLASS III, 12-INCH DIA.	LF	48	$60.00	$2,880.00
4.04	4020-A-1	STORM SEWER, TRENCHED, RCP, CLASS III, 15-INCH DIA.	LF	1992	$65.00	$129,480.00
4.05	4020-A-1	STORM SEWER, TRENCHED, RCP, CLASS IV, 15-INCH DIA.	LF	67	$85.00	$5,695.00
4.06	4020-A-1	STORM SEWER, TRENCHED, RCP, CLASS III, 18-INCH DIA.	LF	657	$75.00	$49,275.00
4.07	4020-A-1	STORM SEWER, TRENCHED, RCP, CLASS III, 24-INCH DIA.	LF	391	$90.00	$35,190.00
4.08	4020-A-1	STORM SEWER, TRENCHED, RCP, CLASS IV, 24-INCH DIA.	LF	427	$120.00	$51,240.00
4.09	4020-A-1	STORM SEWER, TRENCHED, RCP, CLASS III, 30-INCH DIA.	LF	76	$125.00	$9,500.00
4.10	4020-A-1	STORM SEWER, TRENCHED, RCP, CLASS III, 42-INCH DIA.	LF	154	$175.00	$26,950.00
4.11	4020-A-1	STORM SEWER, TRENCHED, RCP, CLASS IV, 42-INCH DIA.	LF	417	$250.00	$104,250.00
4.12	4020-D	REMOVAL OF STORM SEWER	LF	261	$25.00	$6,525.00
4.13	4030-A-1	PIPE CULVERT, TRENCHED, HDPE, 15-INCH DIA.	LF	124	$50.00	$6,200.00
4.14	4030-B	PIPE APRON, CONCRETE, 15-INCH DIA.	EA	22	$1,750.00	$38,500.00
4.15	4030-B	PIPE APRON, CONCRETE, 18-INCH DIA.	EA	2	$2,000.00	$4,000.00
4.16	4030-B	PIPE APRON, CONCRETE, 24-INCH DIA.	EA	5	$2,500.00	$12,500.00
4.17	4030-B	PIPE APRON, CONCRETE, 42-INCH DIA.	EA	6	$4,000.00	$24,000.00
4.18	4030-C	FOOTING FOR CONCRETE PIPE APRON, RCP, 15-INCH DIA.	EA	22	$1,000.00	$22,000.00
4.19	4030-C	FOOTING FOR CONCRETE PIPE APRON, RCP, 18-INCH DIA.	EA	2	$1,250.00	$2,500.00
4.20	4030-C	FOOTING FOR CONCRETE PIPE APRON, RCP, 24-INCH DIA.	EA	5	$1,500.00	$7,500.00
4.21	4030-C	FOOTING FOR CONCRETE PIPE APRON, RCP, 42-INCH DIA.	EA	6	$2,250.00	$13,500.00
4.22	4040-A	SUBDRAIN, PVC, 6-INCH	LF	4499	$20.00	$89,980.00
4.23	4040-A	SUBDRAIN, PVC, 12-INCH	LF	50	$45.00	$2,250.00
4.24	4040-C	SUBDRAIN CLEANOUT, PVC, 6-INCH	EA	17	$750.00	$12,750.00
4.25	4040-D	SUBDRAIN CONNECTION, PVC, 6-INCH	EA	30	$450.00	$13,500.00
4.26	4040-D	SUBDRAIN CONNECTION, PVC, 12-INCH	EA	1	$1,250.00	$1,250.00
DIVISION 5 - WATER MAINS AND APPURTENANCES						
5.01	5010-A-1	WATER MAIN, TRENCHED, PVC C900 DR18, 16-INCH	LF	4700	$135.00	$634,500.00
5.02	5010-C-1	FITTING, 45° BEND, 16-INCH	EA	14	$3,000.00	$42,000.00
5.03	5010-C-1	FITTING, 22.5° BEND, 16-INCH	EA	2	$3,000.00	$6,000.00
5.04	5010-C-1	FITTING, 11.25° BEND, 16-INCH	EA	2	$3,000.00	$6,000.00
5.05	5010-C-1	FITTING, TEE, 16" X 16" X 8"	EA	2	$3,500.00	$7,000.00
5.06	5010-C-1	FITTING, REDUCER, 16" X 8"	EA	1	$1,000.00	$1,000.00
5.07	5020-A	VALVE, GATE, 8-INCH	EA	2	$3,000.00	$6,000.00
5.08	5020-A	VALVE, GATE, 16-INCH	EA	11	$8,500.00	$93,500.00
5.09	5020-B	TAPPING VALVE ASSEMBLY, 16-INCH	EA	1	$20,000.00	$20,000.00
5.10	5020-C	FIRE HYDRANT ASSEMBLY	EA	17	$7,000.00	$119,000.00
5.11	5020-I	FIRE HYDRANT ASSEMBLY REMOVAL	EA	1	$750.00	$750.00
5.12	5999-A	CONNECT TO EXISTING WATER MAIN	EA	2	$2,500.00	$5,000.00
5.13	5999-A	BLOWOFF ASSEMBLY REMOVAL	EA	1	$500.00	$500.00
5.14	5999-A	EXISTING WATER MAIN, CUT AND PLUG	EA	1	$1,500.00	$1,500.00

ENGINEER'S OPINION OF PROBABLE COST
FINAL PLANS

olsson

Client: City of West Des Moines
Project: SE County Line Road
Project Number: 0510-015-2021
Date: 8/27/2021

ITEM NO.	ITEM CODE	ITEM DESCRIPTION	UNIT	QUANTITY	UNIT COST $	COST $
DIVISION 6 - STRUCTURES FOR SANITARY AND STORM SEWERS						
6.01	6010-A	MANHOLE, SW-401 48-INCH DIA.	EA	3	$4,000.00	$12,000.00
6.02	6010-A	MANHOLE, SW-401 60-INCH DIA.	EA	1	$4,500.00	$4,500.00
6.03	6010-A	MANHOLE, SW-401 72-INCH DIA.	EA	7	$5,000.00	$35,000.00
6.04	6010-A	MANHOLE, SW-401 84-INCH DIA.	EA	1	$6,000.00	$6,000.00
6.05	6010-A	MANHOLE, SW-401 96-INCH DIA.	EA	2	$7,500.00	$15,000.00
6.06	6010-B	INTAKE, SINGLE GRATE INTAKE WITH MANHOLE, SW-503	EA	2	$4,500.00	$9,000.00
6.07	6010-B	INTAKE, SINGLE GRATE INTAKE, SW-505	EA	10	$5,000.00	$50,000.00
6.08	6010-B	INTAKE, SINGLE GRATE INTAKE, SW-506	EA	11	$7,000.00	$77,000.00
6.09	6010-B	INTAKE, SINGLE GRATE INTAKE, SW-506 MODIFIED	EA	5	$12,000.00	$60,000.00
6.10	6010-B	INTAKE, CIRCULAR AREA INTAKE, SW-512, 48-INCH DIA.	EA	2	$4,000.00	$8,000.00
6.11	6010-B	INTAKE, OPEN-SIDED AREA INTAKE, SW-513, 60 INCH X 60-INCH	EA	2	$5,500.00	$11,000.00
6.12	6010-F	MANHOLE ADJUSTMENT, MAJOR	EA	1	$4,500.00	$4,500.00
6.13	6010-G	CONNECTION TO EXISTING INTAKE	EA	1	$2,500.00	$2,500.00
6.14	6010-H	REMOVE MANHOLE	EA	3	$1,000.00	$3,000.00
6.15	6010-H	REMOVE INTAKE	EA	8	$750.00	$6,000.00
6.16	6999-A	MANHOLE ABANDONMENT	EA	2	$1,500.00	$3,000.00
DIVISION 7 - STREETS AND RELATED WORK						
7.01	7010-A	PAVEMENT, PCC, 9-INCH, CLASS C-SUD W/ 8-INCH CURB (MAINLINE)	SY	15173	$70.00	$1,062,110.00
7.02	7010-A	PAVEMENT, PCC, 6-INCH	SY	1208	$105.00	$126,840.00
7.03	7010-E	CURB AND GUTTER, PCC, 2.5 FT	LF	1201	$40.00	$48,040.00
7.04	7010-J	GRANULAR SURFACING	TONS	270	$45.00	$12,150.00
7.05	7021-B	HMA OVERLAY, 2-INCH	TONS	300	$75.00	$22,500.00
7.06	7030-C	SHARED USE PATH, REINFORCED PCC, 6-INCH	SY	7045	$65.00	$457,925.00
7.07	7030-G	DETECTABLE WARNINGS	SF	89	$40.00	$3,560.00
7.08	7030-A	REMOVAL OF SIDEWALK	SY	512	$6.00	$3,072.00
7.09	7030-A	REMOVAL OF SHARED USE PATH	SY	1746	$7.50	$13,095.00
7.10	7030-A	REMOVAL OF DRIVEWAY	SY	271	$13.00	$3,523.00
7.11	7030-H-1	DRIVEWAY, PAVED, PCC, 6-INCH	SY	986	$90.00	$88,740.00
7.12	7040-A	FULL DEPTH PATCHES, PCC, 9-INCH (MIN.)	SY	183	$115.00	$21,045.00
7.13	7040-A	FULL DEPTH PATCHES, HMA, 6-INCH (MIN.)	TONS	25	$175.00	$4,375.00
7.14	7040-H	CONCRETE PAVEMENT REMOVAL	SY	5513	$7.50	$41,347.50
7.15	7040-H	ASPHALT PAVEMENT REMOVAL	SY	7716	$3.50	$27,006.00
7.16	7999-A	TEMPORARY GRANULAR SURFACING	TONS	1748	$45.00	$78,660.00
7.17	7999-A	TEMPORARY HMA TRAIL	TONS	514	$105.00	$53,970.00
7.18	7999-A	CONCRETE SURFACE DRAIN	SY	13	$250.00	$3,250.00
DIVISION 8 - TRAFFIC CONTROL						
8.01	8020-B	PAINTED PAVEMENT MARKINGS, SOLVENT/WATERBORNE	STA	103.1	$100.00	$10,310.00
8.02	8020-G	PAINTED SYMBOLS AND LEGENDS, SOLVENT/WATERBORNE	EA	9	$150.00	$1,350.00
8.03	8020-K	PAVEMENT MARKINGS REMOVED	STA	20.8	$75.00	$1,560.00
8.04	8020-L	SYMBOLS AND LEGENDS REMOVED	EA	3	$175.00	$525.00
8.05	8030-A	TEMPORARY TRAFFIC CONTROL	LS	1	$150,000.00	$150,000.00
8.06	8030-999-A	PORTABLE DYNAMIC MESSAGE SIGN (PDMS)	CDAY	42	$175.00	$7,350.00
8.07	8030-999-A	FLAGGERS	EA	20	$500.00	$10,000.00
DIVISION 9 - SITE WORK AND LANDSCAPING						
9.01	9010-A	CONVENTIONAL SEEDING, SEEDING, FERTILIZING, AND MULCHING, TYPE 1	AC	6.63	$1,900.00	$12,597.00
9.02	9010-A	CONVENTIONAL SEEDING, SEEDING, FERTILIZING, AND MULCHING, TYPE 2	AC	5.59	$1,400.00	$7,826.00
9.03	9010-A	MULCHING	AC	9.29	$1,000.00	$9,290.00
9.04	9040-A-1	SWPPP PREPARATION	LS	1	$2,500.00	$2,500.00
9.05	9040-A-2	SWPPP MANAGEMENT	LS	1	$7,500.00	$7,500.00
9.06	9040-D-1	FILTER SOCK, 8 IN.	LF	13067	$2.25	$29,400.75
9.07	9040-D-2	FILTER SOCK, REMOVAL	LF	13067	$0.25	$3,266.75
9.08	9040-E-0	TEMPORARY RECP, TYPE 1.B	SY	3650	$6.50	$23,725.00
9.09	9040-G-1	CHECK DAM, ROCK	TON	163	$56.00	$9,128.00
9.10	9040-J-0	RIP RAP, CLASS B	TON	223	$150.00	$33,450.00
9.11	9040-J-0	RIP RAP, CLASS E	TON	169	$100.00	$16,900.00

ENGINEER'S OPINION OF PROBABLE COST
FINAL PLANS

olsson

Client: City of West Des Moines
Project: SE County Line Road
Project Number: 0510-015-2021
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ITEM NO.	ITEM CODE	ITEM DESCRIPTION	UNIT	QUANTITY	UNIT COST $	COST $
9.12	9040-J-0	RIP RAP, EROSION STONE	TON	32	$60.00	$1,920.00
9.13	9040-N-1	SILT FENCE OR SILT FENCE DITCH CHECK	LF	14311	$1.50	$21,466.50
9.14	9040-N-2	SILT FENCE OR SILT FENCE DITCH CHECK, REMOVAL OF SEDIMENT	LF	1144.6	$0.10	$114.46
9.15	9040-N-3	SILT FENCE OR SILT FENCE DITCH CHECK, REMOVAL OF DEVICE	LF	11446	$0.20	$2,289.20
9.16	9040-O-1	STABILIZED CONSTRUCTION ENTRANCE	SY	432	$15.00	$6,480.00
9.17	9040-R	TURF REINFORCEMENT MATS, TYPE 2	SQ	25	$70.00	$1,750.00
9.18	9040-T-1	INLET PROTECTION DEVICE, INTAKE	EA	48	$150.00	$7,200.00
9.19	9040-T-1	INLET PROTECTION DEVICE, CULVERT	EA	16	$150.00	$2,400.00
9.20	9040-T-2	INLET PROTECTION DEVICE, INTAKE, MAINTENANCE	EA	48	$20.00	$960.00
9.21	9040-T-2	INLET PROTECTION DEVICE, CULVERT, MAINTENANCE	EA	16	$20.00	$320.00
9.22	9999-A	REMOVAL OF RIP RAP	SY	262	$20.00	$5,240.00
9.23	9999-A	CHEMICAL TREATMENT, BROADLEAF HERBICIDE	AC	12.75	$750.00	$9,562.50
9.24	9999-A	FENCE, FIELD	LF	300	$25.00	$7,500.00
DIVISION 11 - MISCELLANEOUS						
11.01	11010-A	CONSTRUCTION SURVEY	LS	1	$100,000.00	$100,000.00
11.02	11030-A	MAINTENANCE OF POSTAL SERVICE	LS	1	$2,500.00	$2,500.00
11.03	11030-B	MAINTENANCE OF SOLID WASTE COLLECTION	LS	1	$7,500.00	$7,500.00
11.04	11050-A	CONCRETE WASHOUT	LS	1	$15,000.00	$15,000.00
11.05	11999-A	MAILBOX ASSEMBLY	EA	5	$500.00	$2,500.00
11.06	11999-A	REMOVE AND REINSTALL MAILBOX	EA	1	$750.00	$750.00
11.07	11999-A	REMOVE MAILBOX	EA	5	$250.00	$1,250.00
11.08	11999-A	REMOVE AND REPLACE BARBED WIRE FENCE	LF	223	$20.00	$4,460.00
DIVISION 12 - STRUCTURES						
12.01	2402-0425030	GRANULAR BACKFILL	CY	1620	$50.00	$81,000.00
12.02	2402-2720000	EXCAVATION, CLASS 20	CY	4700	$15.00	$70,500.00
12.03	2403-0100020	STRUCTURAL CONCRETE (RCB CULVERT)	CY	356.4	$850.00	$302,940.00
12.04	2404-7775000	REINFORCING STEEL	LB	65943	$1.50	$98,914.50
12.05	2519-1002048	FENCE, CHAIN LINK, 48 IN. HEIGHT	LF	170	$75.00	$12,750.00
12.06	12999-A	PEDESTRIAN UNDERPASS LIGHTING	LS	1	$30,000.00	$30,000.00

OPINION OF PROBABLE COST **$6,068,811.66**

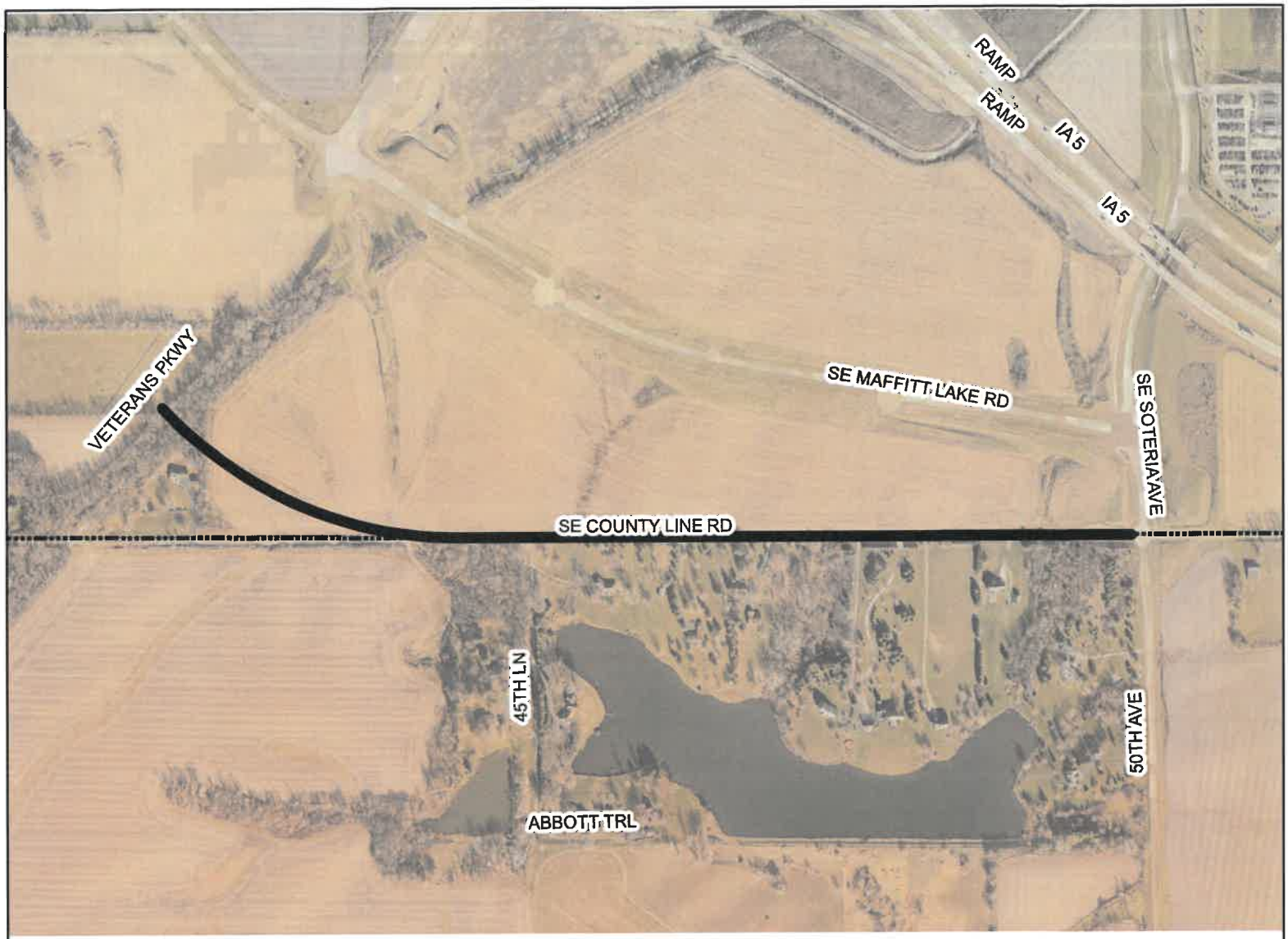
LICENSED PROFESSIONAL ENGINEER
JAMES P. GALLAGHER
25366
IOWA

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.

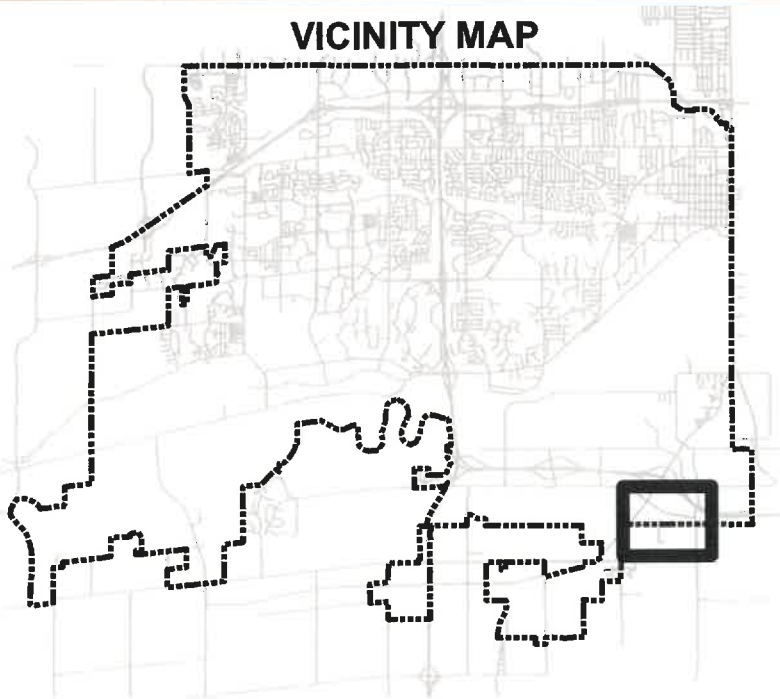
SIGNATURE: 8/27/2021
NAME: JAMES P. GALLAGHER DATE

LICENSE NUMBER 25366
MY LICENSE RENEWAL DATE IS DECEMBER 31, 2022

PAGES OR SHEETS COVERED BY THIS SEAL:
All pages within the estimate.



VICINITY MAP



LEGEND

PROJECT LOCATION

N
W E
S

THE CITY OF WEST DES MOINES

PROJECT:

SE County Line Road, SE Soteria Avenue to Veterans Parkway

LOCATION: **Exhibit "A"**

DRAWN BY: JDR	DATE: 11/4/2020	PROJECT NUMBER/NAME: 0510-015-2021	SHT. 1 of 1