CITY OF WEST DES MOINES
CITY COUNCIL MEETING COMMUNICATION

4(g)

DATE: February 21, 2017

ITEM:

Resolution - Ordering Construction
Stagecoach Drive Extension over Sugar Creek

FINANCIAL IMPACT:

The Engineering Estimate of Construction Cost for Stagecoach Drive Extension over Sugar Creek is $1,482,871.75. King's Landing, LLC has agreed to pay approximately $400,000.00 for the per acre connection fee for construction of this stormwater drainage facility had the implementation of the Sugar Creek Stormwater Fee District not been suspended. Payments will be made from account no. 660.000.000.5250.490 with the ultimate funding intended to come from General Obligation Bonds.

BACKGROUND:

A Bid Letting should be scheduled for 2:00 p.m. on Wednesday, March 15, 2017, and a Public Hearing on the project should be scheduled for 5:35 p.m. on Monday, March 20, 2017. The contract would be awarded on Monday, March 20, 2017, and work will begin shortly thereafter.

This project involves construction of a new bridge crossing Sugar Creek on Stagecoach Drive just west of South 95th Street. Grading, storm sewer, utilities, and paving on either side of the bridge will be completed by the adjacent developers. The City will be reimbursed in full for all water main constructed as part of the project per the King's Landing Development Agreement approved on January 23, 2017. The project is anticipated to be completed by September 30, 2017.

This agenda item was distributed to the Public Services Council Subcommittee by e-mail only since there was no meeting.

OUTSTANDING ISSUES: None.

RECOMMENDATION:

City Council Adopt:

- Resolution Ordering Construction of Stagecoach Drive Bridge over Sugar Creek.
- Fixing 2:00 p.m. on Wednesday, March 15, 2017, as the time and date for project Bid Letting.
- Ordering the City Clerk to publish notice of Letting and Public Hearing.

Lead Staff Member: Duane C. Wittstock, P.E., L.S., City Engineer

STAFF REVIEWS

Department Director	Duane C. Wittstock, P.E., L.S., 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			
Date Reviewed			
Recommendation	Yes	No	Split

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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:

Stagecoach Drive Extension over Sugar Creek
Project No. 0510-026-2014

is hereby ordered to be constructed according to the Plans and Specifications prepared Snyder & Associates, Inc. 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, March 20, 2017, 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 15, 2017.

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 15, 2017, and the results of said bids shall be considered at a meeting of this Council on Monday, March 20, 2017, at 5:35 p.m. and acted upon at said time, or such time as may then be fixed.

PASSED AND APPROVED on this **21st** day of **February, 2017.**

_____
Steven K. Gaer, Mayor

ATTEST:

_____
Ryan T. Jacobson, City Clerk

OPINION OF PROBABLE PROJECT COSTS

SNYDER & ASSOCIATES

STAGECOACH DRIVE EXTENSION
OVER SUGAR CREEK
WEST DES MOINES, IA
PROJECT NO. 0510-026-2014

ITEM #	DESCRIPTION	QUANTITY	UNIT	UNIT PRICE	EXTENDED PRICE
	ROADWAY ITEMS				
1	Clearing and Grubbing	1	LS	$ 6,000.00	$ 6,000.00
2	Excavation, Class 10, Roadway and Borrow	11785	CY	$ 6.00	$ 70,710.00
3	Excavation, Class 10, Channel	6338	CY	$ 10.00	$ 63,380.00
4	Topsoil, Strip, Salvage, and Spread	1993	CY	$ 8.00	$ 15,944.00
5	Bridge Approach, BR-201	294	SY	$ 200.00	$ 58,800.00
6	Longitudinal Grooving in Concrete	705	SY	$ 3.00	$ 2,115.00
7	Apron, Concrete, 36 in. Dia., Remove and Reinstall	1	EA	$ 500.00	$ 500.00
8	Manhole Adjustment, Major	1	EA	$ 1,500.00	$ 1,500.00
9	Storm Sewer Gravity Main, Trenched, RCP, 2000D, 36 in.	69	LF	$ 140.00	$ 9,660.00
10	Water Main, 12 in. D.I.P., Restrained Joint	290	LF	$ 250.00	$ 72,500.00
11	Water Main Fittings	942	LB	$ 6.00	$ 5,652.00
12	Gate Valve, 12 in.	2	EA	$ 1,500.00	$ 3,000.00
13	Remove/Relocate Hydrant Assembly	1	EA	$ 2,000.00	$ 2,000.00
14	Concrete Barrier, Tapered End, BA-108	4	EA	$ 3,000.00	$ 12,000.00
15	Traffic Control	1	LS	$ 3,000.00	$ 3,000.00
16	Floodplain Seed Mix	1.5	ACRE	$ 500.00	$ 750.00
17	Wildflower Seed Mix	1.13	ACRE	$ 1,000.00	$ 1,130.00
18	Monument, Type A	4	EA	$ 30,000.00	$ 120,000.00
19	Monument, Type B	4	EA	$ 30,000.00	$ 120,000.00
20	Storm Water Pollution Prevention Plan Inspections	40	EA	$ 50.00	$ 2,000.00
21	Storm Water Pollution Prevention Plan Management	1	LS	$ 4,000.00	$ 4,000.00
22	Storm Water Pollution Prevention Plan Preparation	1	LS	$ 2,000.00	$ 2,000.00
23	Mulching	4.8	ACRE	$ 2,000.00	$ 9,600.00
24	Seeding and Fertilizing (Urban)	0.71	ACRE	$ 2,600.00	$ 1,846.00
25	Stabilizing Crop - Seeding and Fertilizing (Urban)	2.21	ACRE	$ 1,250.00	$ 2,762.50
26	Rolled Erosion Control Product, Type 2.C	3300	SY	$ 4.00	$ 13,200.00
27	Silt Fence	1360	LF	$ 2.00	$ 2,720.00
28	Removal of Silt Fence	1360	LF	$ 1.00	$ 1,360.00
29	Perimeter and Slope Sediment Control Device, 9 in. Dia.	1000	LF	$ 3.00	$ 3,000.00
30	Removal of Perimeter and Slope Sediment Control Device	1000	LF	$ 1.00	$ 1,000.00
				ROADWAY SUBTOTAL:	$ 612,129.50

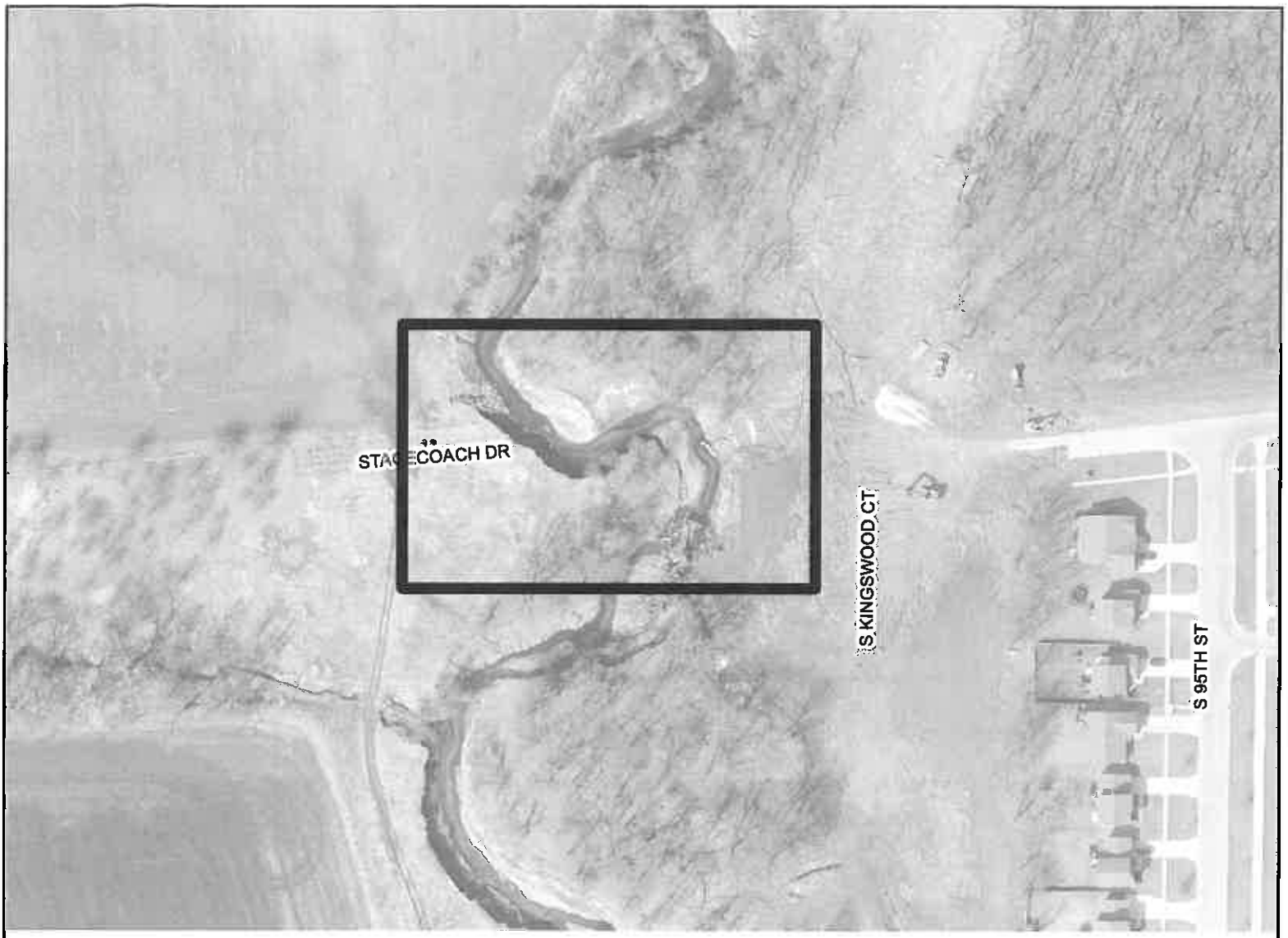
BRIDGE ITEMS							
1	Excavation, Class 20	202	CY	$	30.00	$	6,060.00
2	Structural Concrete (Bridge)	75.8	CY	$	630.00	$	47,754.00
3	High Performance Structural Concrete (Bridge)	187.5	CY	$	700.00	$	131,250.00
4	Reinforcing Steel	246	LB	$	1.00	$	246.00
5	Reinforcing Steel, Epoxy Coated	54532	LB	$	1.00	$	54,532.00
6	Reinforcing Steel, Stainless	32	LB	$	4.50	$	144.00
7	Beams, Pretensioned Prestressed Concrete, BTD	5	EA	$	28,500.00	$	142,500.00
8	Structural Steel	2948	LB	$	3.50	$	10,318.00
9	Concrete Barrier Rail, 2'-10"	138	LF	$	60.00	$	8,280.00
10	Concrete Barrier, Reinforced, Separation	138	LF	$	60.00	$	8,280.00
11	Aluminum Pedestrian Hand Rail	165.75	LF	$	155.00	$	25,691.25
12	Ornamental Metal Railing	157.5	LF	$	560.00	$	88,200.00
13	Piles, Steel, HP12x84	1140	LF	$	50.00	$	57,000.00
14	Prebored Holes	240	LF	$	45.00	$	10,800.00
15	Bridge Wing Armoring - Erosion Stone	35	SY	$	90.00	$	3,150.00
16	Engineering Fabric	4879	SY	$	3.00	$	14,637.00
17	Revetment, Class E	5038	TON	$	50.00	$	251,900.00
18	Construction Survey	1	LS	$	10,000.00	$	10,000.00
					BRIDGE SUBTOTAL:	$	870,742.25
					PROJECT TOTAL (RDWY + BRIDGE):	**$**	**1,482,871.75**

LICENSED PROFESSIONAL ENGINEER
GABRIEL A. NELSON
17382
IOWA

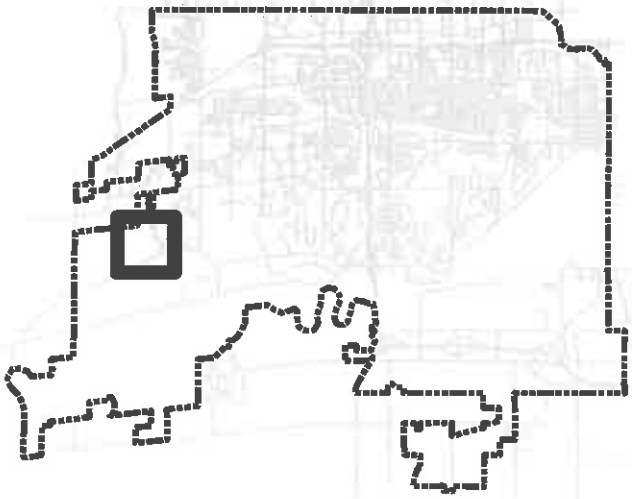
I hereby certify that this engineering document was prepared by me or under my direct personal supervision and that I am a duly licensed professional engineer under the laws of the State of Iowa.

02/15/17
Date

Gabriel A. Nelson, P.E.
My License Number : 17382
My License Renewal Date is December 31, 2018



VICINITY MAP



LEGEND

PROJECT LOCATION

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THE CITY OF WEST DES MOINES	PROJECT: **Stagecoach Drive Extension, Sugar Creek Crossing**		
	LOCATION: **Stagecoach Drive west of South Kingswood Court**		
	DRAWN BY: JDR	DATE: 2/15/2017	PROJECT: 0510-026-2014	SHT. 1 of 1