CITY OF WEST DES MOINES
CITY COUNCIL MEETING COMMUNICATION

DATE: October 4, 2021

ITEM:

Public Hearing (5:35 p.m.)
Grand Avenue – South Grand Prairie Parkway to South 115th Street

FINANCIAL IMPACT:

The Engineering Estimate of Construction Cost was estimated to be $9,064,967.25 for Grand Avenue – South Grand Prairie Parkway to South 115th Street. There were four (4) bids submitted with the low bid of $8,133,000.00 being submitted by Elder Corporation of Des Moines, Iowa. Payments will be made from account no. 500.000.000.5250.490 with the ultimate funding intended to come from Grand Prairie Parkway Urban Renewal Area TIF.

BACKGROUND:

The project includes the construction of Grand Avenue from South Grand Prairie Parkway to South 115th Street as part of Microsoft's Ginger West development. Grand Avenue (minor arterial) is being constructed as three lanes on the eastern portion where the roadway crosses the proposed Johnson Creek bridge and ties into the South Grand Prairie Parkway intersection, but will only be two lanes on the western portion of the roadway. In order to provide water service and looping to the southern portion of the Microsoft Ginger West site, watermain will also be extended along South Grand Prairie Parkway as part of this project along with a meter pit near the South Grand Prairie Parkway bridge. The project will include grading, storm sewer, sanitary sewer, watermain, fiber conduit inter-connect (City's open access conduit network and Microsoft conduit), paving, multi-use trail, channel excavation, and other miscellaneous work. Work associated with the Grand Avenue Bridge over Johnson Creek will be bid separately upon successful receipt of permit approvals. Close coordination with Microsoft has already taken place and will continue. All watermain and fiber conduit shall be installed and operational by July 1, 2022. The remainder of the project is anticipated to be completed by November 1, 2022.

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

OUTSTANDING ISSUES:

None.

RECOMMENDATION:

City Council Adopt:

- Resolution adopting Plans, Specifications, Form of Contract, and Estimate of Costs for Grand Avenue – South Grand Prairie Parkway to South 115th Street;
- Motion receiving and filing Report of Bids;
- Resolution awarding the construction contract to Elder Corporation.

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	Des Moines Register
Dates(s) Published	September 24, 2021

SUBCOMMITTEE REVIEW (if applicable)

Committee			
Date Reviewed			
Recommendation	Yes	No	Split

RESOLUTION APPROVING ADOPTING PLANS, SPECIFICATIONS, FORM OF CONTRACT, AND ESTIMATE OF COST

WHEREAS, on September 7, 2021, Plans, Specifications, Form of Contract, and Estimate of Cost were filed with the City Clerk for the following described public improvement:

Grand Avenue – South Grand Prairie Parkway to South 115th Street
Project No. 0510-010-2021

and,

WHEREAS, notice of hearing on Plans, Specifications, Form of Contract, and Estimate of Cost for said public improvements were published as required by law.

therefore,

THEREFORE, BE IT FURTHER RESOLVED BY THE CITY COUNCIL OF THE CITY OF WEST DES MOINES, that the Plans, Specifications, Form of Contract, and Estimate of Costs for said Public Improvement are hereby approved.

PASSED AND APPROVED on this **4th** day of **October, 2021.**

_____
Steven K. Gaer, Mayor

ATTEST:

_____
Ryan T. Jacobson, City Clerk

RESOLUTION APPROVING THE AWARDING OF A CONTRACT

WHEREAS, the City Council of the City of West Des Moines has heretofore directed advertisement for bids for the following described public improvement:

Grand Avenue – South Grand Prairie Parkway to South 115th Street
Project No. 0510-010-2021

and,

WHEREAS, bids have been received and opened by the City Clerk and placed on file by the City Council; and

WHEREAS, the bid of Elder Corporation in the amount of $8,133,000.00 was the lowest responsible bid received for said public improvement;

therefore,

BE IT RESOLVED BY THE CITY COUNCIL OF THE CITY OF WEST DES MOINES, IOWA, that a contract for Grand Avenue – South Grand Prairie Parkway to South 115th Street is hereby awarded to Elder Corporation in the amount of $8,133,000.00 and the bond of said bidder for the project is hereby fixed in the same amount.

BE IT FURTHER RESOLVED that the City Engineer is authorized and directed to return bid bond(s) and/or check(s) to any unsuccessful bidder.

BE IT FURTHER RESOLVED that work on said project may commence as soon as the final contract and bond have been approved by the City Engineer and have been signed by the City Clerk and after the contractor is given a written notice to proceed by the City Engineer.

PASSED AND ADOPTED on this **4th** day of **October, 2021.**

_____
Steven K. Gaer, Mayor

ATTEST:

_____
Ryan T. Jacobson, City Clerk

TABULATION OF BIDS
Grand Avenue - S. Grand Prairie Parkway to S. 115th Street
City of West Des Moines
Project No. 0510-010-2021
Bid Date/Time: September 29, 2020 at 2:00 PM

						1		2	
				ENGINEER'S ESTIMATE		ELDER CORPORATION DES MOINES, IA		ABSOLUTE CONCRETE SLATER, IA	
ITEM	DESCRIPTION	UNIT	QUANTITY	UNIT PRICE	TOTAL PRICE	UNIT PRICE	TOTAL PRICE	UNIT PRICE	TOTAL PRICE
	EARTHWORK								
2.01	Clearing and Grubbing	LS	1	$ 40,000.00	$ 40,000.00	$ 99,306.46	$ 99,306.46	$ 38,500.00	$ 38,500.00
2.02	Topsoil Strip, Salvage, and Respread	CY	47,300	$ 5.00	$ 236,500.00	$ 5.00	$ 236,500.00	$ 5.00	$ 236,500.00
2.03	Excavation, Class 10, Roadway and Borrow	CY	46,525	$ 4.00	$ 186,100.00	$ 2.50	$ 116,312.50	$ 2.50	$ 116,312.50
2.04	Excavation, Class 10, Contractor Furnished	CY	137,550	$ 7.00	$ 962,850.00	$ 8.00	$ 1,100,400.00	$ 8.00	$ 1,100,400.00
2.05	Subgrade Preparation, 12 Inches	SY	21,587	$ 4.00	$ 86,348.00	$ 2.00	$ 43,174.00	$ 2.00	$ 43,174.00
2.06	Modified Subbase, 6 Inch.	SY	21,587	$ 10.00	$ 215,870.00	$ 6.75	$ 145,712.25	$ 6.75	$ 145,712.25
2.07	Special Backfill	TON	1,475	$ 30.00	$ 44,250.00	$ 25.00	$ 36,875.00	$ 25.00	$ 36,875.00
2.08	Removal of Existing Debris	LS	1	$ 15,000.00	$ 15,000.00	$ 50,000.00	$ 50,000.00	$ 50,000.00	$ 50,000.00
	PIPE CULVERTS						$ -		
4.01	Storm Sewer, Trenched, 15"	LF	1,113	$ 70.00	$ 77,910.00	$ 72.00	$ 80,136.00	$ 72.00	$ 80,136.00
4.02	Storm Sewer, Trenched, 18"	LF	616	$ 75.00	$ 46,200.00	$ 61.00	$ 37,576.00	$ 61.00	$ 37,576.00
4.03	Storm Sewer, Trenched, 24"	LF	915	$ 85.00	$ 77,775.00	$ 75.00	$ 68,625.00	$ 75.00	$ 68,625.00
4.04	Storm Sewer, Trenched, 30"	LF	1,224	$ 105.00	$ 128,520.00	$ 107.00	$ 130,968.00	$ 107.00	$ 130,968.00
4.05	Storm Sewer, Trenched, 36"	LF	936	$ 130.00	$ 121,680.00	$ 126.00	$ 117,936.00	$ 126.00	$ 117,936.00
4.06	Pipe Culvert, Trenched, CMP, 30"	LF	36	$ 80.00	$ 2,880.00	$ 104.00	$ 3,744.00	$ 104.00	$ 3,744.00
4.07	Pipe Apron w/ Footing and Apron Guard, Concrete, 18"	EA	2	$ 3,000.00	$ 6,000.00	$ 1,820.00	$ 3,640.00	$ 1,820.00	$ 3,640.00
4.08	Pipe Apron w/ Footing and Apron Guard, Concrete, 36"	EA	1	$ 5,500.00	$ 5,500.00	$ 3,590.00	$ 3,590.00	$ 3,590.00	$ 3,590.00
4.09	Pipe Apron, CMP, 30"	EA	2	$ 1,100.00	$ 2,200.00	$ 1,700.00	$ 3,400.00	$ 1,700.00	$ 3,400.00
4.10	Subdrain, Type 1, 6"	LF	9,425	$ 18.00	$ 169,650.00	$ 19.00	$ 179,075.00	$ 19.00	$ 179,075.00
4.11	Subdrain Outlets and Connections, CMP, 8"	EA	72	$ 375.00	$ 27,000.00	$ 292.00	$ 21,024.00	$ 292.00	$ 21,024.00
	WATER MAIN AND APPURTENANCES - GRAND AVENUE								
5.01	Water Main, Trenched, 12"	LF	25	$ 50.00	$ 1,250.00	$ 148.00	$ 3,700.00	$ 148.00	$ 3,700.00
5.02	Water Main, Trenched, 16"	LF	4,355	$ 90.00	$ 391,950.00	$ 97.00	$ 422,435.00	$ 97.00	$ 422,435.00
5.03	Water Main, Trenched, DIP, 16"	LF	440	$ 110.00	$ 48,400.00	$ 131.00	$ 57,640.00	$ 131.00	$ 57,640.00
5.04	Fittings, Water Main	LB	14,449	$ 9.50	$ 137,265.50	$ 6.00	$ 86,694.00	$ 6.00	$ 86,694.00
5.05	Valve, Gate, 16"	EA	17	$ 7,000.00	$ 119,000.00	$ 7,840.00	$ 133,280.00	$ 7,840.00	$ 133,280.00
5.06	Fire Hydrant Assembly	EA	16	$ 6,500.00	$ 104,000.00	$ 6,250.00	$ 100,000.00	$ 6,250.00	$ 100,000.00
	STRUCTURES FOR SANITARY AND STORM								
6.01	Manhole, SW-401, 48"	EA	1	$ 4,000.00	$ 4,000.00	$ 3,020.00	$ 3,020.00	$ 3,020.00	$ 3,020.00
6.02	Manhole, SW-401, 60"	EA	1	$ 6,000.00	$ 6,000.00	$ 5,370.00	$ 5,370.00	$ 5,370.00	$ 5,370.00
6.03	Manhole, SW-401, 84"	EA	1	$ 15,000.00	$ 15,000.00	$ 9,690.00	$ 9,690.00	$ 9,690.00	$ 9,690.00
6.04	Intake, SW-501	EA	8	$ 4,000.00	$ 32,000.00	$ 2,460.00	$ 19,680.00	$ 2,460.00	$ 19,680.00
6.05	Intake, SW-503	EA	7	$ 4,500.00	$ 31,500.00	$ 4,590.00	$ 32,130.00	$ 4,590.00	$ 32,130.00
6.06	Intake, SW-503, Modified	EA	1	$ 5,000.00	$ 5,000.00	$ 4,870.00	$ 4,870.00	$ 4,870.00	$ 4,870.00
6.07	Intake, SW-505	EA	9	$ 5,000.00	$ 45,000.00	$ 4,460.00	$ 40,140.00	$ 4,460.00	$ 40,140.00
6.08	Intake, SW-506	EA	4	$ 7,200.00	$ 28,800.00	$ 8,290.00	$ 33,160.00	$ 8,290.00	$ 33,160.00
6.09	Intake, SW-506, Modified	EA	5	$ 8,000.00	$ 40,000.00	$ 8,460.00	$ 42,300.00	$ 8,460.00	$ 42,300.00
6.10	Field Tile, 12"	LF	178	$ 60.00	$ 10,680.00	$ 50.00	$ 8,900.00	$ 50.00	$ 8,900.00
	STREETS AND RELATED WORK								
7.01	Pavement, PCC, 9 In. Reinforced	SY	16,425	$ 65.00	$ 1,067,625.00	$ 63.50	$ 1,042,987.50	$ 80.00	$ 1,314,000.00
7.02	Pavement, PCC, 10 In. Reinforced	SY	1,662	$ 80.00	$ 132,960.00	$ 90.00	$ 149,580.00	$ 99.00	$ 164,538.00
7.03	Shared Use Path, PCC, Reinforced, 6 In.	SY	4,810	$ 55.00	$ 264,550.00	$ 40.68	$ 195,670.80	$ 50.00	$ 240,500.00
7.04	Special Subgrade Preparation for Shared Use Path	SY	5,842	$ 40.00	$ 233,680.00	$ 1.75	$ 10,223.50	$ 1.75	$ 10,223.50
7.05	Detectable Warnings	SF	26	$ 40.00	$ 1,040.00	$ 50.00	$ 1,300.00	$ 55.00	$ 1,430.00
7.06	Granular Surfacing	TON	850	$ 30.00	$ 25,500.00	$ 25.50	$ 21,675.00	$ 25.50	$ 21,675.00
7.07	Granular Shoulder	TON	305	$ 25.00	$ 7,625.00	$ 42.00	$ 12,810.00	$ 42.00	$ 12,810.00
7.08	Temporary Detour Pavement	SY	3,699	$ 60.00	$ 221,940.00	$ 35.00	$ 129,465.00	$ 40.00	$ 147,960.00
7.09	Pavement Removal	SY	3,699	$ 18.00	$ 66,582.00	$ 5.25	$ 19,419.75	$ 5.25	$ 19,419.75
7.10	Driveway Paved, PCC, 7 In.	SY	485	$ 80.00	$ 38,800.00	$ 55.35	$ 26,844.75	$ 75.00	$ 36,375.00

TABULATION OF BIDS
Grand Avenue - S. Grand Prairie Parkway to S. 115th Street
City of West Des Moines
Project No. 0510-010-2021
Bid Date/Time: September 29, 2020 at 2:00 PM

						1		2	
				ENGINEER'S ESTIMATE		ELDER CORPORATION DES MOINES, IA		ABSOLUTE CONCRETE SLATER, IA	
ITEM	DESCRIPTION	UNIT	QUANTITY	UNIT PRICE	TOTAL PRICE	UNIT PRICE	TOTAL PRICE	UNIT PRICE	TOTAL PRICE
	TRAFFIC CONTROL								
8.01	Permanent Road Closure, Urban	EA	1	$ 1,500.00	$ 1,500.00	$ 750.00	$ 750.00	$ 750.00	$ 750.00
8.02	Temporary Traffic Control	LS	1	$ 10,000.00	$ 10,000.00	$ 6,500.00	$ 6,500.00	$ 20,000.00	$ 20,000.00
8.03	Painted Pavement Markings, Solvent/Waterborne	STA	56.5	$ 100.00	$ 5,650.00	$ 100.00	$ 5,650.00	$ 100.00	$ 5,650.00
8.04	Painted Symbols and Legends, Durable	EA	11	$ 125.00	$ 1,375.00	$ 250.00	$ 2,750.00	$ 250.00	$ 2,750.00
8.05	Entrance Haulroad Relocation	LS	1	$ 10,000.00	$ 10,000.00	$ 31,400.00	$ 31,400.00	$ 31,400.00	$ 31,400.00
	SITE WORK AND LANDSCAPING								
9.01	Hydraulic Seeding, Seeding, Fertilizing, and Mulching, Rescue P	AC	35.4	$ 2,750.00	$ 97,350.00	$ 2,800.00	$ 99,120.00	$ 3,200.00	$ 113,280.00
9.02	Hydraulic Seeding, Seeding, Fertilizing, and Mulching, Type 2	AC	17.2	$ 2,500.00	$ 43,000.00	$ 2,400.00	$ 41,280.00	$ 2,500.00	$ 43,000.00
9.03	Erosion Control Mulching, hydromulching	AC	53	$ 1,500.00	$ 79,500.00	$ 1,100.00	$ 58,300.00	$ 1,500.00	$ 79,500.00
9.04	Weeding – Chemical Treatment Broadleaf	AC	53	$ 200.00	$ 10,600.00	$ 75.00	$ 3,975.00	$ 75.00	$ 3,975.00
9.05	SWPPP Preparation	LS	1	$ 3,000.00	$ 3,000.00	$ 1,500.00	$ 1,500.00	$ 1,500.00	$ 1,500.00
9.06	SWPPP Management	LS	1	$ 5,000.00	$ 5,000.00	$ 2,500.00	$ 2,500.00	$ 3,500.00	$ 3,500.00
9.07	Filter Sock, 9 Inch.	LF	11,257	$ 3.00	$ 33,771.00	$ 1.50	$ 16,885.50	$ 1.75	$ 19,699.75
9.08	Removal of Filter Sock, 9 Inch.	LF	11,257	$ 1.00	$ 11,257.00	$ 0.20	$ 2,251.40	$ 0.20	$ 2,251.40
9.09	Temporary RECP, Type 2C	SQ	4,500	$ 3.00	$ 13,500.00	$ 1.30	$ 5,850.00	$ 1.75	$ 7,875.00
9.10	Revetment, Class E	TON	7,500	$ 65.00	$ 487,500.00	$ 56.00	$ 420,000.00	$ 56.00	$ 420,000.00
9.11	Silt Fence	LF	23,500	$ 2.00	$ 47,000.00	$ 1.50	$ 35,250.00	$ 1.50	$ 35,250.00
9.12	Removal of Silt Fence	LF	23,500	$ 1.00	$ 23,500.00	$ 0.05	$ 1,175.00	$ 0.05	$ 1,175.00
9.13	Inlet Protection Device, Install and Removal, Sediment Basket	EA	40	$ 200.00	$ 8,000.00	$ 155.00	$ 6,200.00	$ 155.00	$ 6,200.00
9.14	Inlet Protection Device, Maintenance	EA	68	$ 30.00	$ 2,040.00	$ 30.00	$ 2,040.00	$ 30.00	$ 2,040.00
9.15	Flex-A-Mat	SQ	245	$ 150.00	$ 36,750.00	$ 150.00	$ 36,750.00	$ 720.00	$ 176,400.00
	GENERAL PROVISIONS								
11.01	Construction Survey	LS	1	$ 55,000.00	$ 55,000.00	$ 25,000.00	$ 25,000.00	$ 55,000.00	$ 55,000.00
11.02	Concrete Washout	LS	1	$ 13,139.50	$ 13,139.50	$ 10,000.00	$ 10,000.00	$ 15,000.00	$ 15,000.00
	FIBER CONDUIT INTER-CONNECT (MS)								
13.01	Portland Cement Concrete (PCC) Vault (4'x6'x7'), Furnish and Ir	EA	1	$ 12,000.00	$ 12,000.00	$ 15,000.00	$ 15,000.00	$ 15,000.00	$ 15,000.00
13.02	Handhole (2.5'x4'x4'), Furnish and Install	EA	2	$ 3,500.00	$ 7,000.00	$ 3,500.00	$ 7,000.00	$ 3,500.00	$ 7,000.00
13.03	Conduit, Furnish and Install, SDR 11 HDPE, 4 In. Dia, Duct Bank	LF	2,466	$ 31.00	$ 76,446.00	$ 18.00	$ 44,388.00	$ 18.00	$ 44,388.00
13.04	Conduit Pathway, Furnish & Install, 7-Way Multi-Duct, Installed-I	LF	2,531	$ 5.25	$ 13,287.75	$ 11.00	$ 27,841.00	$ 11.00	$ 27,841.00
13.05	Test Station/Fiber Optic Line Marker Combination, Above Grade	EA	1	$ 300.00	$ 300.00	$ 250.00	$ 250.00	$ 250.00	$ 250.00
13.06	Fiber Conduit/Structures As-Built Documentation (MS)	EA	1	$ 1,250.00	$ 1,250.00	$ 1,750.00	$ 1,750.00	$ 5,000.00	$ 5,000.00
13.07	Conduit and Tracer Wire Acceptance Testing (MS)	EA	1	$ 1,500.00	$ 1,500.00	$ 10,000.00	$ 10,000.00	$ 10,000.00	$ 10,000.00
13.08	Construction Survey – Fiber Conduit Inter-Connect (MS)	EA	1	$ 1,750.00	$ 1,750.00	$ 1,250.00	$ 1,250.00	$ 6,500.00	$ 6,500.00
	FIBER CONDUIT INTER-CONNECT (CITY)								
14.01	City-Provided Vault, Install Only, Large Round (IAP)	EA	5	$ 1,500.00	$ 7,500.00	$ 850.00	$ 4,250.00	$ 850.00	$ 4,250.00
14.02	Conduit, Furnish and Install SDR 13.5 HDPE, 1 In. Dia., Blue wit	LF	9,252	$ 11.00	$ 101,772.00	$ 4.00	$ 37,008.00	$ 4.00	$ 37,008.00
14.03	Conduit Pathway, Furnish and Install 7-Way Multi-Duct Bank, Di	LF	4,631	$ 13.50	$ 62,518.50	$ 11.00	$ 50,941.00	$ 12.00	$ 55,572.00
14.04	Test Station, Below Grade, Furnish and Install	EA	5	$ 500.00	$ 2,500.00	$ 350.00	$ 1,750.00	$ 350.00	$ 1,750.00
14.05	Fiber Conduit/Structures As-Built Documentation (City)	EA	1	$ 250.00	$ 250.00	$ 1,750.00	$ 1,750.00	$ 5,000.00	$ 5,000.00
14.06	Conduit and Tracer Wire Acceptance Testing (City)	EA	1	$ 1,500.00	$ 1,500.00	$ 10,000.00	$ 10,000.00	$ 10,000.00	$ 10,000.00
14.07	Construction Survey – Fiber Conduit Inter-Connect (City)	EA	1	$ 1,750.00	$ 1,750.00	$ 1,250.00	$ 1,250.00	$ 6,500.00	$ 6,500.00
	S. GRAND PRAIRIE PARKWAY - METER PIT								
15.01	Trench Foundation	TON	10	$ 50.00	$ 500.00	$ 38.00	$ 380.00	$ 38.00	$ 380.00
15.02	Imported Backfill	TON	40	$ 25.00	$ 1,000.00	$ 38.00	$ 1,520.00	$ 38.00	$ 1,520.00
15.03	Water Main, Trenched, DI, Class 52, 12"	LF	80	$ 130.00	$ 10,400.00	$ 103.00	$ 8,240.00	$ 103.00	$ 8,240.00
15.04	Water Main, Trenched, DI, Class 52, 8"	LF	20	$ 120.00	$ 2,400.00	$ 42.00	$ 840.00	$ 42.00	$ 840.00
15.05	Water Main, Trenched, DI, Class 52, 4"	LF	10	$ 110.00	$ 1,100.00	$ 212.00	$ 2,120.00	$ 212.00	$ 2,120.00
15.06	Fitting, Bend, 12"	EA	2	$ 1,500.00	$ 3,000.00	$ 855.00	$ 1,710.00	$ 855.00	$ 1,710.00

TABULATION OF BIDS
Grand Avenue - S. Grand Prairie Parkway to S. 115th Street
City of West Des Moines
Project No. 0510-010-2021
Bid Date/Time: September 29, 2020 at 2:00 PM

						1		2	
				ENGINEER'S ESTIMATE		ELDER CORPORATION DES MOINES, IA		ABSOLUTE CONCRETE SLATER, IA	
ITEM	DESCRIPTION	UNIT	QUANTITY	UNIT PRICE	TOTAL PRICE	UNIT PRICE	TOTAL PRICE	UNIT PRICE	TOTAL PRICE
15.07	Fitting, Reducer, 12"x8"	EA	2	$ 1,100.00	$ 2,200.00	$ 726.00	$ 1,452.00	$ 726.00	$ 1,452.00
15.08	Fitting, Dismantling Joint, 8"	EA	1	$ 500.00	$ 500.00	$ 916.00	$ 916.00	$ 916.00	$ 916.00
15.09	Fitting, Tee, 12"x4"	EA	1	$ 900.00	$ 900.00	$ 866.00	$ 866.00	$ 866.00	$ 866.00
15.10	Tapping Valve Assembly, 24"x12"	EA	2	$ 16,000.00	$ 32,000.00	$ 7,750.00	$ 15,500.00	$ 7,750.00	$ 15,500.00
15.11	Gate Valve, 4"	EA	1	$ 1,300.00	$ 1,300.00	$ 988.00	$ 988.00	$ 988.00	$ 988.00
15.12	Isolation Valve, 4"	EA	1	$ 800.00	$ 800.00	$ 988.00	$ 988.00	$ 988.00	$ 988.00
15.13	Manhole, SW-401, 72"	EA	1	$ 13,000.00	$ 13,000.00	$ 12,900.00	$ 12,900.00	$ 12,900.00	$ 12,900.00
15.14	8" PCC Slab, 72"x54"	LS	1	$ 2,500.00	$ 2,500.00	$ 2,500.00	$ 2,500.00	$ 3,500.00	$ 3,500.00
15.15	Electromagnetic Flow Sensor, 8"	EA	1	$ 9,500.00	$ 9,500.00	$ 8,000.00	$ 8,000.00	$ 8,456.00	$ 8,456.00
15.16	Electrical	LS	1	$ 28,000.00	$ 28,000.00	$ 50,000.00	$ 50,000.00	$ 80,000.00	$ 80,000.00
15.17	Controls/Integration	LS	1	$ 14,000.00	$ 14,000.00	$ 45,000.00	$ 45,000.00	$ 75,000.00	$ 75,000.00
15.18	Mechanical	LS	1	$ 4,000.00	$ 4,000.00	$ 3,730.00	$ 3,730.00	$ 5,000.00	$ 5,000.00
15.19	Water Main, Trenched, DI, Class 52 6"	LF	15	$ 120.00	$ 1,800.00	$ 50.00	$ 750.00	$ 50.00	$ 750.00
15.20	Remove and Replace Hydrant	EA	1	$ 4,500.00	$ 4,500.00	$ 2,220.00	$ 2,220.00	$ 2,220.00	$ 2,220.00
15.21	Tee, 12"x6"	EA	1	$ 1,500.00	$ 1,500.00	$ 920.00	$ 920.00	$ 950.00	$ 920.00
15.22	Tee, 6"x6"	EA	1	$ 1,500.00	$ 1,500.00	$ 635.00	$ 635.00	$ 635.00	$ 635.00
15.23	Gate Valve, 6"	EA	1	$ 2,300.00	$ 2,300.00	$ 1,240.00	$ 1,240.00	$ 1,240.00	$ 1,240.00
	S. GRAND PRAIRIE PARKWAY - WATER MAIN								
16.01	Removal of Water Main	LF	1,008	$ 15.00	$ 15,120.00	$ 25.00	$ 25,200.00	$ 25.00	$ 25,200.00
16.02	Water Main, Trenched, Restrained Joint, 16 In.	LF	160	$ 150.00	$ 24,000.00	$ 108.00	$ 17,280.00	$ 108.00	$ 17,280.00
16.03	Water Main, Trenched, Unrestrained, 24 In.	LF	1,729	$ 250.00	$ 432,250.00	$ 195.00	$ 337,155.00	$ 195.00	$ 337,155.00
16.04	Water Main, Trenched, Restrained Joint, 24 In.	LF	327	$ 350.00	$ 114,450.00	$ 277.00	$ 90,579.00	$ 277.00	$ 90,579.00
16.05	Water Main, Trenched, Restrained Joint, DIP, C151, Class 52, 1	LF	34	$ 200.00	$ 6,800.00	$ 136.00	$ 4,624.00	$ 136.00	$ 4,624.00
16.06	Water Main, Trenched, Restrained Joint, DIP, C151, Class 52, 2	LF	15	$ 350.00	$ 5,250.00	$ 176.00	$ 2,640.00	$ 176.00	$ 2,640.00
16.07	Water Main W/Casing Pipe, Trenchless, Restrained, 24 In.	LF	315	$ 550.00	$ 173,250.00	$ 981.00	$ 309,015.00	$ 981.00	$ 309,015.00
16.08	Valve, Gate, 24 In.	EA	6	$ 22,000.00	$ 132,000.00	$ 19,600.00	$ 117,600.00	$ 19,600.00	$ 117,600.00
16.09	Remove Existing Fire Hydrant Assembly	EA	1	$ 1,500.00	$ 1,500.00	$ 483.00	$ 483.00	$ 483.00	$ 483.00
16.10	Valve Removal	EA	3	$ 400.00	$ 1,200.00	$ 248.00	$ 744.00	$ 248.00	$ 744.00
16.11	Silt Fence, Removal of Sediment	LF	400	$ 0.10	$ 40.00	$ 0.05	$ 20.00	$ 0.05	$ 20.00
16.12	Inlet Protection Device, Installation	EA	6	$ 250.00	$ 1,500.00	$ 150.00	$ 900.00	$ 155.00	$ 930.00
16.13	Railroad Protective Liability Insurance	LS	1	$ 10,000.00	$ 10,000.00	$ 11,690.59	$ 11,690.59	$ 25,000.00	$ 25,000.00
16.14	Railroad Protection Services	CDAY	5	$ 15,000.00	$ 75,000.00	$ 1,792.00	$ 8,960.00	$ 1,792.00	$ 8,960.00
	GRAND AVE SANITARY SEWER								
17.01	Sanitary Sewer In Place, 24"	LF	4,190	$ 225.00	$ 942,750.00	$ 184.00	$ 770,960.00	$ 184.00	$ 770,960.00
17.02	Sanitary Sewer in Place, 15"	LF	150	$ 140.00	$ 21,000.00	$ 84.00	$ 12,600.00	$ 84.00	$ 12,600.00
17.03	Manholes – Type SW-301	EA	10	$ 12,000.00	$ 120,000.00	$ 9,780.00	$ 97,800.00	$ 9,780.00	$ 97,800.00
17.04	Video Inspection of Sanitary Sewer	LF	4,340	$ 3.00	$ 13,020.00	$ 5.00	$ 21,700.00	$ 5.00	$ 21,700.00
17.05	Field Tile – 10"	LF	100	$ 50.00	$ 5,000.00	$ 57.00	$ 5,700.00	$ 57.00	$ 5,700.00
17.06	Field Tile – 8" and Smaller	LF	200	$ 30.00	$ 6,000.00	$ 48.00	$ 9,600.00	$ 48.00	$ 9,600.00
17.07	Stabilizing Material	TON	100	$ 40.00	$ 4,000.00	$ 38.00	$ 3,800.00	$ 38.00	$ 3,800.00
			TOTAL BID:		$ 9,064,967.25		$ 8,133,000.00		$ 8,759,914.15
			BID SECURITY:				10%		10%

TABULATION OF BIDS
Grand Avenue - S. Grand Prairie Parkway to S. 115th Street
City of West Des Moines
Project No. 0510-010-2021
Bid Date/Time: September 29, 2020 at 2:00 PM

						3		4	
				ENGINEER'S ESTIMATE		MCANINCH CORPORATION DES MOINES, IA		CONCRETE TECHNOLOGIES GRIMES, IA	
ITEM	DESCRIPTION	UNIT	QUANTITY	UNIT PRICE	TOTAL PRICE	UNIT PRICE	TOTAL PRICE	UNIT PRICE	TOTAL PRICE
	EARTHWORK								
2.01	Clearing and Grubbing	LS	1	$ 40,000.00	$ 40,000.00	$ 39,270.00	$ 39,270.00	$ 105,000.00	$ 105,000.00
2.02	Topsoil Strip, Salvage, and Respread	CY	47,300	$ 5.00	$ 236,500.00	$ 2.65	$ 125,345.00	$ 5.25	$ 248,325.00
2.03	Excavation, Class 10, Roadway and Borrow	CY	46,525	$ 4.00	$ 186,100.00	$ 6.23	$ 289,850.75	$ 2.65	$ 123,291.25
2.04	Excavation, Class 10, Contractor Furnished	CY	137,550	$ 7.00	$ 962,850.00	$ 9.41	$ 1,294,345.50	$ 8.40	$ 1,155,420.00
2.05	Subgrade Preparation, 12 Inches	SY	21,587	$ 4.00	$ 86,348.00	$ 3.48	$ 75,122.76	$ 2.10	$ 45,332.70
2.06	Modified Subbase, 6 Inch.	SY	21,587	$ 10.00	$ 215,870.00	$ 7.76	$ 167,515.12	$ 7.10	$ 153,267.70
2.07	Special Backfill	TON	1,475	$ 30.00	$ 44,250.00	$ 27.20	$ 40,120.00	$ 26.25	$ 38,718.75
2.08	Removal of Existing Debris	LS	1	$ 15,000.00	$ 15,000.00	$ 10,600.00	$ 10,600.00	$ 52,500.00	$ 52,500.00
	PIPE CULVERTS								
4.01	Storm Sewer, Trenched, 15"	LF	1,113	$ 70.00	$ 77,910.00	$ 71.00	$ 79,023.00	$ 75.60	$ 84,142.80
4.02	Storm Sewer, Trenched, 18"	LF	616	$ 75.00	$ 46,200.00	$ 73.00	$ 44,968.00	$ 64.00	$ 39,424.00
4.03	Storm Sewer, Trenched, 24"	LF	915	$ 85.00	$ 77,775.00	$ 76.00	$ 69,540.00	$ 79.00	$ 72,285.00
4.04	Storm Sewer, Trenched, 30"	LF	1,224	$ 105.00	$ 128,520.00	$ 103.00	$ 126,072.00	$ 112.50	$ 137,700.00
4.05	Storm Sewer, Trenched, 36"	LF	936	$ 130.00	$ 121,680.00	$ 129.00	$ 120,744.00	$ 132.50	$ 124,020.00
4.06	Pipe Culvert, Trenched, CMP, 30"	LF	36	$ 80.00	$ 2,880.00	$ 260.00	$ 9,360.00	$ 110.00	$ 3,960.00
4.07	Pipe Apron w/ Footing and Apron Guard, Concrete, 18"	EA	2	$ 3,000.00	$ 6,000.00	$ 1,900.00	$ 3,800.00	$ 1,910.00	$ 3,820.00
4.08	Pipe Apron w/ Footing and Apron Guard, Concrete, 36"	EA	1	$ 5,500.00	$ 5,500.00	$ 3,300.00	$ 3,300.00	$ 3,770.00	$ 3,770.00
4.09	Pipe Apron, CMP, 30"	EA	2	$ 1,100.00	$ 2,200.00	$ 1,175.00	$ 2,350.00	$ 1,785.00	$ 3,570.00
4.10	Subdrain, Type 1, 6"	LF	9,425	$ 18.00	$ 169,650.00	$ 11.22	$ 105,748.50	$ 11.50	$ 108,387.50
4.11	Subdrain Outlets and Connections, CMP, 8"	EA	72	$ 375.00	$ 27,000.00	$ 331.50	$ 23,868.00	$ 345.00	$ 24,840.00
	WATER MAIN AND APPURTENANCES - GRAND AVENUE								
5.01	Water Main, Trenched, 12"	LF	25	$ 50.00	$ 1,250.00	$ 170.00	$ 4,250.00	$ 155.00	$ 3,875.00
5.02	Water Main, Trenched, 16"	LF	4,355	$ 90.00	$ 391,950.00	$ 116.00	$ 505,180.00	$ 102.00	$ 444,210.00
5.03	Water Main, Trenched, DIP, 16"	LF	440	$ 110.00	$ 48,400.00	$ 214.00	$ 94,160.00	$ 137.50	$ 60,500.00
5.04	Fittings, Water Main	LB	14,449	$ 9.50	$ 137,265.50	$ 6.00	$ 86,694.00	$ 6.30	$ 91,028.70
5.05	Valve, Gate, 16"	EA	17	$ 7,000.00	$ 119,000.00	$ 8,380.00	$ 142,460.00	$ 8,235.00	$ 139,995.00
5.06	Fire Hydrant Assembly	EA	16	$ 6,500.00	$ 104,000.00	$ 7,160.00	$ 114,560.00	$ 6,565.00	$ 105,040.00
	STRUCTURES FOR SANITARY AND STORM								
6.01	Manhole, SW-401, 48"	EA	1	$ 4,000.00	$ 4,000.00	$ 3,695.00	$ 3,695.00	$ 3,175.00	$ 3,175.00
6.02	Manhole, SW-401, 60"	EA	1	$ 6,000.00	$ 6,000.00	$ 6,762.00	$ 6,762.00	$ 5,640.00	$ 5,640.00
6.03	Manhole, SW-401, 84"	EA	1	$ 15,000.00	$ 15,000.00	$ 11,316.00	$ 11,316.00	$ 10,175.00	$ 10,175.00
6.04	Intake, SW-501	EA	8	$ 4,000.00	$ 32,000.00	$ 3,160.00	$ 25,280.00	$ 2,585.00	$ 20,680.00
6.05	Intake, SW-503	EA	7	$ 4,500.00	$ 31,500.00	$ 5,700.00	$ 39,900.00	$ 4,825.00	$ 33,775.00
6.06	Intake, SW-503, Modified	EA	1	$ 5,000.00	$ 5,000.00	$ 10,442.00	$ 10,442.00	$ 5,115.00	$ 5,115.00
6.07	Intake, SW-505	EA	9	$ 5,000.00	$ 45,000.00	$ 5,094.00	$ 45,846.00	$ 4,685.00	$ 42,165.00
6.08	Intake, SW-506	EA	4	$ 7,200.00	$ 28,800.00	$ 8,520.00	$ 34,080.00	$ 8,705.00	$ 34,820.00
6.09	Intake, SW-506, Modified	EA	5	$ 8,000.00	$ 40,000.00	$ 15,100.00	$ 75,500.00	$ 8,885.00	$ 44,425.00
6.10	Field Tile, 12"	LF	178	$ 60.00	$ 10,680.00	$ 39.00	$ 6,942.00	$ 52.50	$ 9,345.00
	STREETS AND RELATED WORK								
7.01	Pavement, PCC, 9 In. Reinforced	SY	16,425	$ 65.00	$ 1,067,625.00	$ 64.77	$ 1,063,847.25	$ 77.50	$ 1,272,937.50
7.02	Pavement, PCC, 10 In. Reinforced	SY	1,662	$ 80.00	$ 132,960.00	$ 91.80	$ 152,571.60	$ 84.00	$ 139,608.00
7.03	Shared Use Path, PCC, Reinforced, 6 In.	SY	4,810	$ 55.00	$ 264,550.00	$ 41.50	$ 199,615.00	$ 45.00	$ 216,450.00
7.04	Special Subgrade Preparation for Shared Use Path	SY	5,842	$ 40.00	$ 233,680.00	$ 2.36	$ 13,787.12	$ 1.85	$ 10,807.70
7.05	Detectable Warnings	SF	26	$ 40.00	$ 1,040.00	$ 51.00	$ 1,326.00	$ 48.25	$ 1,254.50
7.06	Granular Surfacing	TON	850	$ 30.00	$ 25,500.00	$ 25.55	$ 21,717.50	$ 26.80	$ 22,780.00
7.07	Granular Shoulder	TON	305	$ 25.00	$ 7,625.00	$ 27.90	$ 8,509.50	$ 44.25	$ 13,496.25
7.08	Temporary Detour Pavement	SY	3,699	$ 60.00	$ 221,940.00	$ 37.75	$ 139,637.25	$ 42.25	$ 156,282.75
7.09	Pavement Removal	SY	3,699	$ 18.00	$ 66,582.00	$ 7.15	$ 26,447.85	$ 5.50	$ 20,344.50
7.10	Driveway Paved, PCC, 7 In.	SY	485	$ 80.00	$ 38,800.00	$ 56.50	$ 27,402.50	$ 66.50	$ 32,252.50

TABULATION OF BIDS
Grand Avenue - S. Grand Prairie Parkway to S. 115th Street
City of West Des Moines
Project No. 0510-010-2021
Bid Date/Time: September 29, 2020 at 2:00 PM

						3		4	
				ENGINEER'S ESTIMATE		MCANINCH CORPORATION DES MOINES, IA		CONCRETE TECHNOLOGIES GRIMES, IA	
ITEM	DESCRIPTION	UNIT	QUANTITY	UNIT PRICE	TOTAL PRICE	UNIT PRICE	TOTAL PRICE	UNIT PRICE	TOTAL PRICE
	TRAFFIC CONTROL								
8.01	Permanent Road Closure, Urban	EA	1	$ 1,500.00	$ 1,500.00	$ 1,020.00	$ 1,020.00	$ 785.00	$ 785.00
8.02	Temporary Traffic Control	LS	1	$ 10,000.00	$ 10,000.00	$ 179,060.00	$ 179,060.00	$ 6,825.00	$ 6,825.00
8.03	Painted Pavement Markings, Solvent/Waterborne	STA	56.5	$ 100.00	$ 5,650.00	$ 86.70	$ 4,898.55	$ 105.00	$ 5,932.50
8.04	Painted Symbols and Legends, Durable	EA	11	$ 125.00	$ 1,375.00	$ 392.70	$ 4,319.70	$ 262.50	$ 2,887.50
8.05	Entrance Haulroad Relocation	LS	1	$ 10,000.00	$ 10,000.00	$ 250.00	$ 250.00	$ 32,970.00	$ 32,970.00
	SITE WORK AND LANDSCAPING								
9.01	Hydraulic Seeding, Seeding, Fertilizing, and Mulching, Rescue P	AC	35.4	$ 2,750.00	$ 97,350.00	$ 3,264.00	$ 115,545.60	$ 3,360.00	$ 118,944.00
9.02	Hydraulic Seeding, Seeding, Fertilizing, and Mulching, Type 2	AC	17.2	$ 2,500.00	$ 43,000.00	$ 2,499.00	$ 42,982.80	$ 2,575.00	$ 44,290.00
9.03	Erosion Control Mulching, hydromulching	AC	53	$ 1,500.00	$ 79,500.00	$ 1,326.00	$ 70,278.00	$ 1,365.00	$ 72,345.00
9.04	Weeding – Chemical Treatment Broadleaf	AC	53	$ 200.00	$ 10,600.00	$ 76.50	$ 4,054.50	$ 79.00	$ 4,187.00
9.05	SWPPP Preparation	LS	1	$ 3,000.00	$ 3,000.00	$ 1,530.00	$ 1,530.00	$ 1,575.00	$ 1,575.00
9.06	SWPPP Management	LS	1	$ 5,000.00	$ 5,000.00	$ 2,550.00	$ 2,550.00	$ 2,625.00	$ 2,625.00
9.07	Filter Sock, 9 Inch.	LF	11,257	$ 3.00	$ 33,771.00	$ 1.53	$ 17,223.21	$ 1.60	$ 18,011.20
9.08	Removal of Filter Sock, 9 Inch.	LF	11,257	$ 1.00	$ 11,257.00	$ 0.20	$ 2,251.40	$ 0.25	$ 2,814.25
9.09	Temporary RECP, Type 2C	SQ	4,500	$ 3.00	$ 13,500.00	$ 1.33	$ 5,985.00	$ 1.35	$ 6,075.00
9.10	Revetment, Class E	TON	7,500	$ 65.00	$ 487,500.00	$ 48.00	$ 360,000.00	$ 59.00	$ 442,500.00
9.11	Silt Fence	LF	23,500	$ 2.00	$ 47,000.00	$ 1.53	$ 35,955.00	$ 1.60	$ 37,600.00
9.12	Removal of Silt Fence	LF	23,500	$ 1.00	$ 23,500.00	$ 0.05	$ 1,175.00	$ 0.05	$ 1,175.00
9.13	Inlet Protection Device, Install and Removal, Sediment Basket	EA	40	$ 200.00	$ 8,000.00	$ 158.10	$ 6,324.00	$ 165.00	$ 6,600.00
9.14	Inlet Protection Device, Maintenance	EA	68	$ 30.00	$ 2,040.00	$ 30.60	$ 2,080.80	$ 31.50	$ 2,142.00
9.15	Flex-A-Mat	SQ	245	$ 150.00	$ 36,750.00	$ 632.00	$ 154,840.00	$ 650.00	$ 159,250.00
	GENERAL PROVISIONS								
11.01	Construction Survey	LS	1	$ 55,000.00	$ 55,000.00	$ 34,680.00	$ 34,680.00	$ 275,000.00	$ 275,000.00
11.02	Concrete Washout	LS	1	$ 13,139.50	$ 13,139.50	$ 10,200.00	$ 10,200.00	$ 11,730.00	$ 11,730.00
	FIBER CONDUIT INTER-CONNECT (MS)								
13.01	Portland Cement Concrete (PCC) Vault (4'x6'x7'), Furnish and Ir	EA	1	$ 12,000.00	$ 12,000.00	$ 14,590.00	$ 14,590.00	$ 15,750.00	$ 15,750.00
13.02	Handhole (2.5'x4'x4'), Furnish and Install	EA	2	$ 3,500.00	$ 7,000.00	$ 3,059.00	$ 6,118.00	$ 3,675.00	$ 7,350.00
13.03	Conduit, Furnish and Install, SDR 11 HDPE, 4 In. Dia, Duct Bank	LF	2,466	$ 31.00	$ 76,446.00	$ 21.05	$ 51,909.30	$ 19.00	$ 46,854.00
13.04	Conduit Pathway, Furnish & Install, 7-Way Multi-Duct, Installed-I	LF	2,531	$ 5.25	$ 13,287.75	$ 8.15	$ 20,627.65	$ 11.50	$ 29,106.50
13.05	Test Station/Fiber Optic Line Marker Combination, Above Grade	EA	1	$ 300.00	$ 300.00	$ 218.00	$ 218.00	$ 265.00	$ 265.00
13.06	Fiber Conduit/Structures As-Built Documentation (MS)	EA	1	$ 1,250.00	$ 1,250.00	$ 7,650.00	$ 7,650.00	$ 10,500.00	$ 10,500.00
13.07	Conduit and Tracer Wire Acceptance Testing (MS)	EA	1	$ 1,500.00	$ 1,500.00	$ 4,998.00	$ 4,998.00	$ 10,500.00	$ 10,500.00
13.08	Construction Survey – Fiber Conduit Inter-Connect (MS)	EA	1	$ 1,750.00	$ 1,750.00	$ 2,040.00	$ 2,040.00	$ 10,500.00	$ 10,500.00
	FIBER CONDUIT INTER-CONNECT (CITY)								
14.01	City-Provided Vault, Install Only, Large Round (IAP)	EA	5	$ 1,500.00	$ 7,500.00	$ 1,015.00	$ 5,075.00	$ 895.00	$ 4,475.00
14.02	Conduit, Furnish and Install SDR 13.5 HDPE, 1 In. Dia., Blue wit	LF	9,252	$ 11.00	$ 101,772.00	$ 4.12	$ 38,118.24	$ 4.25	$ 39,321.00
14.03	Conduit Pathway, Furnish and Install 7-Way Multi-Duct Bank, Di	LF	4,631	$ 13.50	$ 62,518.50	$ 11.70	$ 54,182.70	$ 12.50	$ 57,887.50
14.04	Test Station, Below Grade, Furnish and Install	EA	5	$ 500.00	$ 2,500.00	$ 218.29	$ 1,091.45	$ 370.00	$ 1,850.00
14.05	Fiber Conduit/Structures As-Built Documentation (City)	EA	1	$ 250.00	$ 250.00	$ 7,650.00	$ 7,650.00	$ 10,500.00	$ 10,500.00
14.06	Conduit and Tracer Wire Acceptance Testing (City)	EA	1	$ 1,500.00	$ 1,500.00	$ 4,998.00	$ 4,998.00	$ 10,500.00	$ 10,500.00
14.07	Construction Survey – Fiber Conduit Inter-Connect (City)	EA	1	$ 1,750.00	$ 1,750.00	$ 4,080.00	$ 4,080.00	$ 10,500.00	$ 10,500.00
	S. GRAND PRAIRIE PARKWAY - METER PIT								
15.01	Trench Foundation	TON	10	$ 50.00	$ 500.00	$ 39.00	$ 390.00	$ 40.00	$ 400.00
15.02	Imported Backfill	TON	40	$ 25.00	$ 1,000.00	$ 22.00	$ 880.00	$ 40.00	$ 1,600.00
15.03	Water Main, Trenched, DI, Class 52, 12"	LF	80	$ 130.00	$ 10,400.00	$ 237.00	$ 18,960.00	$ 108.25	$ 8,660.00
15.04	Water Main, Trenched, DI, Class 52, 8"	LF	20	$ 120.00	$ 2,400.00	$ 129.00	$ 2,580.00	$ 44.25	$ 885.00
15.05	Water Main, Trenched, DI, Class 52, 4"	LF	10	$ 110.00	$ 1,100.00	$ 216.00	$ 2,160.00	$ 225.00	$ 2,250.00
15.06	Fitting, Bend, 12"	EA	2	$ 1,500.00	$ 3,000.00	$ 1,063.00	$ 2,126.00	$ 900.00	$ 1,800.00

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				ENGINEER'S ESTIMATE		MCANINCH CORPORATION DES MOINES, IA		CONCRETE TECHNOLOGIES GRIMES, IA	
ITEM	DESCRIPTION	UNIT	QUANTITY	UNIT PRICE	TOTAL PRICE	UNIT PRICE	TOTAL PRICE	UNIT PRICE	TOTAL PRICE
15.07	Fitting, Reducer, 12"x8"	EA	2	$ 1,100.00	$ 2,200.00	$ 986.00	$ 1,972.00	$ 765.00	$ 1,530.00
15.08	Fitting, Dismantling Joint, 8"	EA	1	$ 500.00	$ 500.00	$ 1,154.00	$ 1,154.00	$ 965.00	$ 965.00
15.09	Fitting, Tee, 12"x4"	EA	1	$ 900.00	$ 900.00	$ 1,080.00	$ 1,080.00	$ 910.00	$ 910.00
15.10	Tapping Valve Assembly, 24"x12"	EA	2	$ 16,000.00	$ 32,000.00	$ 11,580.00	$ 23,160.00	$ 8,140.00	$ 16,280.00
15.11	Gate Valve, 4"	EA	1	$ 1,300.00	$ 1,300.00	$ 1,323.00	$ 1,323.00	$ 1,040.00	$ 1,040.00
15.12	Isolation Valve, 4"	EA	1	$ 800.00	$ 800.00	$ 1,100.00	$ 1,100.00	$ 1,040.00	$ 1,040.00
15.13	Manhole, SW-401, 72"	EA	1	$ 13,000.00	$ 13,000.00	$ 30,600.00	$ 30,600.00	$ 13,545.00	$ 13,545.00
15.14	8" PCC Slab, 72"x54"	LS	1	$ 2,500.00	$ 2,500.00	$ 2,346.00	$ 2,346.00	$ 1,405.00	$ 1,405.00
15.15	Electromagnetic Flow Sensor, 8"	EA	1	$ 9,500.00	$ 9,500.00	$ 8,625.00	$ 8,625.00	$ 11,025.00	$ 11,025.00
15.16	Electrical	LS	1	$ 28,000.00	$ 28,000.00	$ 78,428.00	$ 78,428.00	$ 80,750.00	$ 80,750.00
15.17	Controls/Integration	LS	1	$ 14,000.00	$ 14,000.00	$ 73,066.00	$ 73,066.00	$ 75,215.00	$ 75,215.00
15.18	Mechanical	LS	1	$ 4,000.00	$ 4,000.00	$ 6,600.00	$ 6,600.00	$ 9,060.00	$ 9,060.00
15.19	Water Main, Trenched, DI, Class 52 6"	LF	15	$ 120.00	$ 1,800.00	$ 91.00	$ 1,365.00	$ 52.50	$ 787.50
15.20	Remove and Replace Hydrant	EA	1	$ 4,500.00	$ 4,500.00	$ 9,545.00	$ 9,545.00	$ 2,335.00	$ 2,335.00
15.21	Tee, 12"x6"	EA	1	$ 1,500.00	$ 1,500.00	$ 874.00	$ 874.00	$ 965.00	$ 965.00
15.22	Tee, 6"x6"	EA	1	$ 1,500.00	$ 1,500.00	$ 900.00	$ 900.00	$ 670.00	$ 670.00
15.23	Gate Valve, 6"	EA	1	$ 2,300.00	$ 2,300.00	$ 1,470.00	$ 1,470.00	$ 1,305.00	$ 1,305.00
	S. GRAND PRAIRIE PARKWAY - WATER MAIN								
16.01	Removal of Water Main	LF	1,008	$ 15.00	$ 15,120.00	$ 54.00	$ 54,432.00	$ 26.25	$ 26,460.00
16.02	Water Main, Trenched, Restrained Joint, 16 In.	LF	160	$ 150.00	$ 24,000.00	$ 190.00	$ 30,400.00	$ 113.50	$ 18,160.00
16.03	Water Main, Trenched, Unrestrained, 24 In.	LF	1,729	$ 250.00	$ 432,250.00	$ 255.00	$ 440,895.00	$ 205.00	$ 354,445.00
16.04	Water Main, Trenched, Restrained Joint, 24 In.	LF	327	$ 350.00	$ 114,450.00	$ 460.00	$ 150,420.00	$ 290.00	$ 94,830.00
16.05	Water Main, Trenched, Restrained Joint, DIP, C151, Class 52, 1	LF	34	$ 200.00	$ 6,800.00	$ 190.00	$ 6,460.00	$ 145.00	$ 4,930.00
16.06	Water Main, Trenched, Restrained Joint, DIP, C151, Class 52, 2	LF	15	$ 350.00	$ 5,250.00	$ 270.00	$ 4,050.00	$ 185.00	$ 2,775.00
16.07	Water Main W/Casing Pipe, Trenchless, Restrained, 24 In.	LF	315	$ 550.00	$ 173,250.00	$ 892.00	$ 280,980.00	$ 1,030.00	$ 324,450.00
16.08	Valve, Gate, 24 In.	EA	6	$ 22,000.00	$ 132,000.00	$ 21,200.00	$ 127,200.00	$ 20,580.00	$ 123,480.00
16.09	Remove Existing Fire Hydrant Assembly	EA	1	$ 1,500.00	$ 1,500.00	$ 1,850.00	$ 1,850.00	$ 508.00	$ 508.00
16.10	Valve Removal	EA	3	$ 400.00	$ 1,200.00	$ 2,920.00	$ 8,760.00	$ 260.00	$ 780.00
16.11	Silt Fence, Removal of Sediment	LF	400	$ 0.10	$ 40.00	$ 0.05	$ 20.00	$ 0.05	$ 20.00
16.12	Inlet Protection Device, Installation	EA	6	$ 250.00	$ 1,500.00	$ 158.10	$ 948.60	$ 165.00	$ 990.00
16.13	Railroad Protective Liability Insurance	LS	1	$ 10,000.00	$ 10,000.00	$ 5,500.00	$ 5,500.00	$ 4,725.00	$ 4,725.00
16.14	Railroad Protection Services	CDAY	5	$ 15,000.00	$ 75,000.00	$ 1,792.00	$ 8,960.00	$ 1,792.00	$ 8,960.00
	GRAND AVE SANITARY SEWER								
17.01	Sanitary Sewer In Place, 24"	LF	4,190	$ 225.00	$ 942,750.00	$ 190.00	$ 796,100.00	$ 195.00	$ 817,050.00
17.02	Sanitary Sewer in Place, 15"	LF	150	$ 140.00	$ 21,000.00	$ 135.00	$ 20,250.00	$ 88.25	$ 13,237.50
17.03	Manholes – Type SW-301	EA	10	$ 12,000.00	$ 120,000.00	$ 9,104.00	$ 91,040.00	$ 10,365.00	$ 103,650.00
17.04	Video Inspection of Sanitary Sewer	LF	4,340	$ 3.00	$ 13,020.00	$ 4.00	$ 17,360.00	$ 5.25	$ 22,785.00
17.05	Field Tile – 10"	LF	100	$ 50.00	$ 5,000.00	$ 38.00	$ 3,800.00	$ 60.00	$ 6,000.00
17.06	Field Tile – 8" and Smaller	LF	200	$ 30.00	$ 6,000.00	$ 32.00	$ 6,400.00	$ 50.50	$ 10,100.00
17.07	Stabilizing Material	TON	100	$ 40.00	$ 4,000.00	$ 39.00	$ 3,900.00	$ 40.00	$ 4,000.00
			TOTAL BID:		$ 9,064,967.25		$ 9,103,850.70		$ 9,166,832.55
			BID SECURITY:				10%		10%

TABULATION OF BIDS
Grand Avenue - S. Grand Prairie Parkway to S. 115th Street
City of West Des Moines
Project No. 0510-010-2021
Bid Date/Time: September 29, 2020 at 2:00 PM

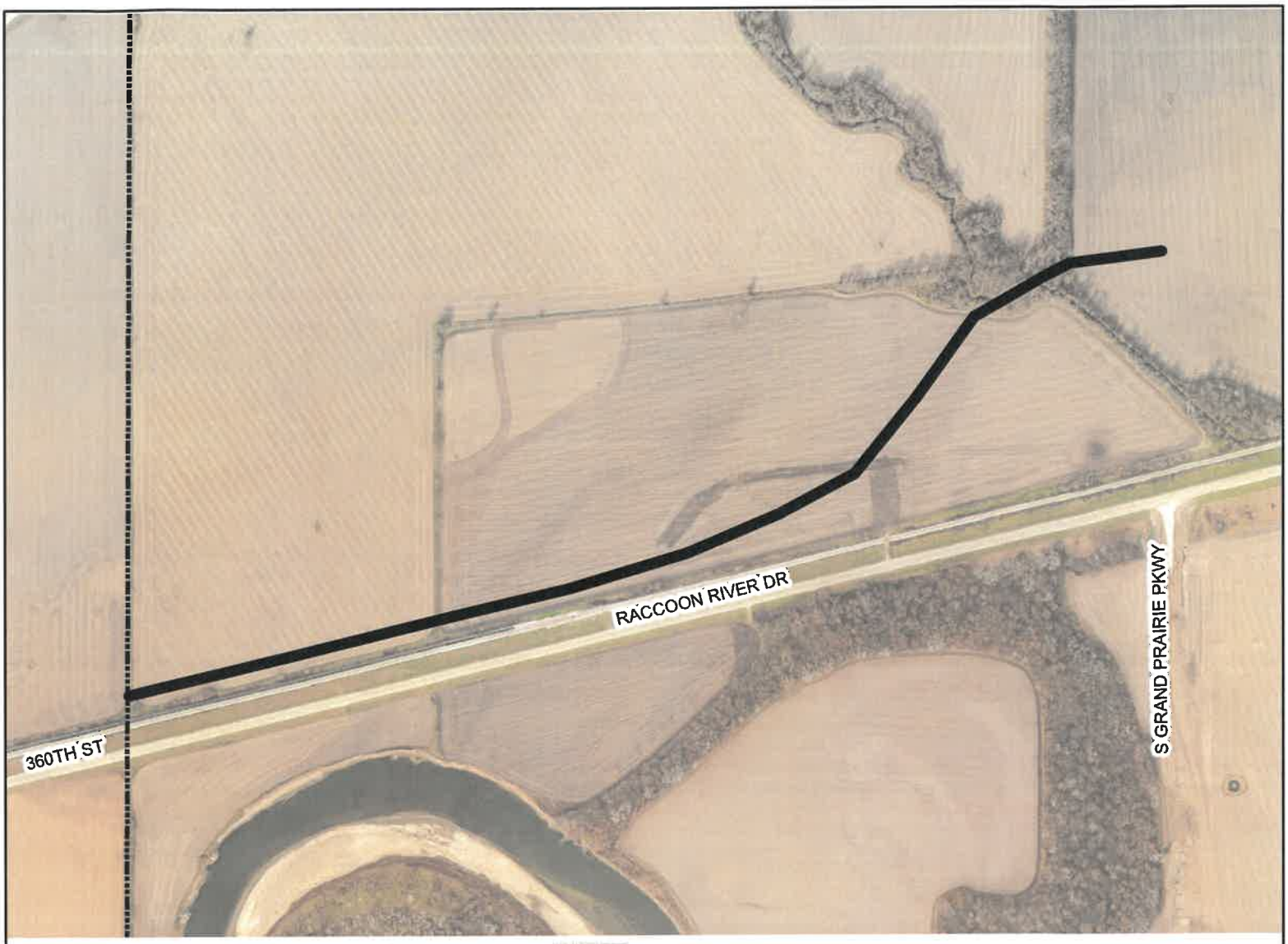
LICENSED PROFESSIONAL ENGINEER
GABRIEL A. NELSON
P17382
IOWA

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.

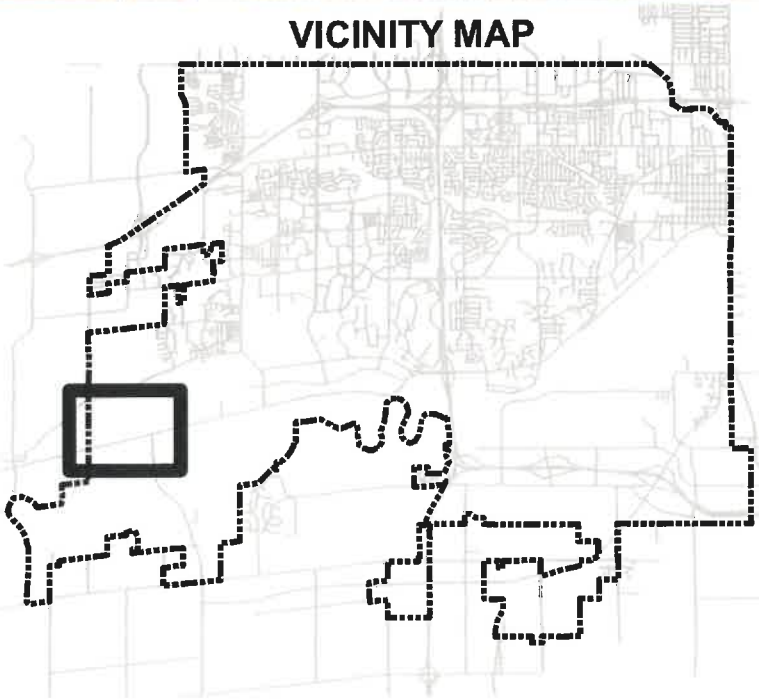
9/29/2021

Gabriel A. Nelson, P.E. — Date

My License Number : P17382
My License Renewal Date is December 31, 2022
Pages or sheets covered by this seal:
Bid Tabulation - Sheets 1 - 7



VICINITY MAP



LEGEND

PROJECT LOCATION

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W E
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THE CITY OF WEST DES MOINES	PROJECT: **Grand Avenue**		
	LOCATION: **South Grand Prairie Parkway to South 115th Street**		
	DRAWN BY: JDR	DATE: 10/19/2020	PROJECT NUMBER/NAME: 0510-010-2021	SHT. 1 of 1