CITY OF WEST DES MOINES
CITY COUNCIL MEETING COMMUNICATION

DATE: February 19, 2019

ITEM:

Resolution - Ordering Construction
Ashworth Road Reconstruction – I-80 Bridge to 98th Street

FINANCIAL IMPACT:

The Engineering Estimate of Construction Cost for Ashworth Road Reconstruction – I-80 Bridge to 98th Street is $2,379,061.00. Payments will be made from account no. 500.000.000.5250.490 with the ultimate funding intended to come from Road Use Tax and Ashworth Road TIF. The City of Waukee has verbally committed to reimbursing the City of West Des Moines for approximately 35%-40% of the total project costs (approximately $1.23M of $3.28M estimated total project cost) to reconstruct Ashworth Road. Reimbursements would be divided equally over five (5) years starting in FY 19-20. City Staff are currently drafting an Agreement for review and consideration by the City of Waukee.

BACKGROUND:

A Bid Letting should be scheduled for 2:00 p.m. on Wednesday, March 13, 2019 and a Public Hearing on the project should be scheduled for 5:35 p.m. on Monday, March 18, 2019. The contract would be awarded on Monday, March 18, 2019 and work will begin shortly thereafter.

The project will consist of the reconstruction of Ashworth Road from an existing two-lane rural roadway to a four-lane urban undivided roadway with a two-way left turn lane from just west of the I-80 bridge to 98th Street. The project also includes grading, storm sewer, paving, multi-use trail, and other miscellaneous work. The 98th Street & Ashworth Road intersection is anticipated to be closed to traffic prior to the end of the 2018-19 school year, but will be scheduled to be re-opened in time for the start of the 2019-20 school year. The project is anticipated to be completed by September 30, 2019.

Maple Grove United Methodist Church dedicated the right-of-way and temporary construction easements necessary for the reconstruction of Ashworth Road and has plans to relocate the existing church from its current location by the end of March 2019.

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 Ordering Construction of Ashworth Road Reconstruction – I-80 Bridge to 98th Street.
- Fixing 2:00 p.m. on Wednesday, March 13, 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	

PUBLICATION(S) (if applicable)

Published In	
Dates(s) Published	

SUBCOMMITTEE REVIEW (if applicable)

Committee			
Date Reviewed			
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:

Ashworth Road Reconstruction – I-80 Bridge to 98th Street
Project No. 0510-074-2017

is hereby ordered to be constructed according to the Plans and Specifications prepared by McClure Engineering Company of Clive, 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, March 18, 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 13, 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 13, 2019 and the results of said bids shall be considered at a meeting of this Council on Monday, March 18, 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 **19th** day of **February, 2019.**

_____
Steven K. Gaer, Mayor

ATTEST:

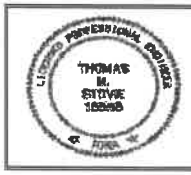
_____
Ryan T. Jacobson, City Clerk

Ashworth Road - I-80 to 98th Street
City Proj. No. 0510-074-2017
Preliminary Opinion of Probable Cost
West Des Moines, Iowa
February 11, 2019

McCLURE ENGINEERING CO.

Item No.	Item Code	Item	Unit	Unit Price	City of West Des Moines		City of Waukee		Total	Total Cost
					Quantity	Cost	Quantity	Cost	Quantity	
		SECTION 2010 - EARTHWORK, SUBGRADE, AND SUBBASE								
2.01	2010-108-B-0	CLEARING AND GRUBBING	AC	$ 8,000.00	4.9	$ 39,200.00	2.6	$ 20,800.00	7.5	$ 60,000.00
2.02	2010-108-D-1	TOPSOIL, ON-SITE	CY	$ 10.00	5240	$ 52,400.00	3010	$ 30,100.00	8250	$ 82,500.00
2.03	2010-108-E-0	EXCAVATION, CLASS 10, CLASS 12, OR CLASS 13	CY	$ 6.00	8000	$ 48,000.00	4500	$ 27,000.00	12500	$ 75,000.00
2.04	2010-000-0-0	EMBANKMENT IN PLACE - CONTRACTOR SUPPLY AND PLACE	CY	$ 20.00	1600	$ 32,000.00	4100	$ 82,000.00	5700	$ 114,000.00
2.05	2010-108-F-0	BELOW GRADE EXCAVATION (CORE OUT)	CY	$ 6.00	670	$ 4,020.00	330	$ 1,980.00	1000	$ 6,000.00
2.06	2010-108-G-0	SUBGRADE PREPARATION	SY	$ 3.00	10968	$ 32,904.00	5435	$ 16,305.00	16403	$ 49,209.00
2.07	2010-108-H-0	SUBGRADE TREATMENT, FLY ASH	SY	$ 12.00	2670	$ 32,040.00	1330	$ 15,960.00	4000	$ 48,000.00
2.08	2010-108-I-0	SUBBASE, GRANULAR SUBBASE, 4 IN.	SY	$ 10.00	9265	$ 92,650.00	5135	$ 51,350.00	14400	$ 144,000.00
2.09	2010-108-J-2-c	REMOVAL OF KNOWN PIPE CULVERT, CMP, LESS THAN OR EQUAL TO 36 IN. DIA.	LF	$ 25.00	253	$ 6,325.00	177	$ 4,425.00	430	$ 10,750.00
		SECTION 3010 - TRENCH EXCAVATION AND BACKFILL								
3.01	3010-108-C-0	TRENCH FOUNDATION	TON	$ 40.00	55	$ 2,200.00	45	$ 1,800.00	100	$ 4,000.00
3.02	3010-108-D-0	REPLACEMENT OF UNSUITABLE BACKFILL MATERIAL	CY	$ 10.00	130	$ 1,300.00	120	$ 1,200.00	250	$ 2,500.00
		SECTION 4020 - STORM SEWERS								
4.01	4020-108-A-1	STORM SEWER, TRENCHED, RCP, 15 IN. DIA.	LF	$ 65.00	308	$ 20,020.00	522	$ 33,930.00	830	$ 53,950.00
4.02	4020-108-A-1	STORM SEWER, TRENCHED, RCP, 18 IN. DIA.	LF	$ 70.00	392	$ 27,440.00	392	$ 27,440.00	784	$ 54,880.00
4.03	4020-108-A-1	STORM SEWER, TRENCHED, RCP, 24 IN. DIA.	LF	$ 85.00	211	$ 17,935.00	124	$ 10,540.00	335	$ 28,475.00
4.04	4020-108-A-1	STORM SEWER, TRENCHED, RCP, 42 IN. DIA.	LF	$ 160.00	134	$ 21,440.00	143	$ 22,880.00	277	$ 44,320.00
		SECTION 4030 - PIPE CULVERTS								
4.05	4030-108-B-0	PIPE APRON, RCP, 24 IN. DIA.	EA	$ 1,500.00	1	$ 1,500.00		$ -	1	$ 1,500.00
4.06	4030-108-B-0	PIPE APRON, RCP, 42 IN. DIA.	EA	$ 3,000.00	1	$ 3,000.00	1	$ 3,000.00	2	$ 6,000.00
4.07	4030-108-C-0	FOOTING FOR CONCRETE PIPE APRON, RCP, 24 IN. DIA.	EA	$ 900.00	1	$ 900.00		$ -	1	$ 900.00
4.08	4030-108-C-0	FOOTING FOR CONCRETE PIPE APRON, RCP, 42 IN. DIA.	EA	$ 1,000.00	1	$ 1,000.00	1	$ 1,000.00	2	$ 2,000.00
4.09	4030-108-D-0	PIPE APRON GUARD	EA	$ 1,000.00	2	$ 2,000.00	1	$ 1,000.00	3	$ 3,000.00
		SECTION 4040 - SUBDRAINS AND FOOTING DRAIN COLLECTORS								
4.10	4040-108-A-0	SUBDRAIN, CASE A - TYPE 1, 6 IN. DIA.	LF	$ 12.00	1560	$ 18,720.00	608	$ 7,296.00	2168	$ 26,016.00
4.11	4040-108-C-0	SUBDRAIN CLEANOUT, TYPE A-1, 6 IN. DIA.	EA	$ 750.00	5	$ 3,750.00		$ -	5	$ 3,750.00
4.12	4040-108-D-0	SUBDRAIN OUTLETS AND CONNECTIONS, INTAKE OR MANHOLE, CMP, 8 IN. DIA.	EA	$ 400.00	7	$ 2,800.00	3	$ 1,200.00	10	$ 4,000.00
4.13	4040-108-D-0	SUBDRAIN OUTLETS AND CONNECTIONS, OUTLET TO DITCH	EA	$ 400.00	1	$ 400.00		$ -	1	$ 400.00
		SECTION 5010 - PIPE AND FITTINGS								
5.01	5010-108-A-1	WATER MAIN, TRENCHED, PVC, 3 IN. DIA.	LF	$ 30.00	500	$ 15,000.00		$ -	500	$ 15,000.00
5.02	5010-108-E-1	WATER SERVICE PIPE	LF	$ 20.00	250	$ 5,000.00	250	$ 5,000.00	500	$ 10,000.00
5.03	5010-108-0-0	WATER METER PIT	EA	$ 1,000.00		$ -	1	$ 1,000.00	1	$ 1,000.00
5.04	5010-108-0-0	WATER MAIN POTHOLING	EA	$ 200.00	10	$ 2,000.00	2	$ 400.00	12	$ 2,400.00
		SECTION 5020 - VALVES, FIRE HYDRANTS, AND APPURTENANCES								
5.05	5020-108-0-0	BLOWOFF ADJUSTMENT	EA	$ 500.00	1	$ 500.00		$ -	1	$ 500.00
5.06	5020-108-0-0	METER PIT ADJUSTMENT	EA	$ 500.00	1	$ 500.00		$ -	1	$ 500.00
		SECTION 6010 - STRUCTURES FOR SANITARY AND STORM SEWERS								
6.01	6010-108-A-0	MANHOLE TYPE SW-401, 72 IN. DIA.	EA	$ 8,000.00	0.5	$ 4,000.00	0.5	$ 4,000.00	1	$ 8,000.00
6.02	6010-108-B-0	INTAKE TYPE SW-501	EA	$ 4,000.00	2	$ 8,000.00	1	$ 4,000.00	3	$ 12,000.00
6.03	6010-108-B-0	INTAKE TYPE SW-503	EA	$ 6,000.00	2	$ 12,000.00	1	$ 6,000.00	3	$ 18,000.00
6.04	6010-108-B-0	INTAKE TYPE SW-505	EA	$ 6,000.00	3	$ 18,000.00	2	$ 12,000.00	5	$ 30,000.00
6.05	6010-108-B-0	INTAKE TYPE SW-506	EA	$ 8,000.00	2.5	$ 20,000.00	1.5	$ 12,000.00	4	$ 32,000.00
6.06	6010-108-B-0	INTAKE TYPE SW-506, MODIFIED, 1 FOOT EXTENSION	EA	$ 15,000.00	0.5	$ 7,500.00	0.5	$ 7,500.00	1	$ 15,000.00
6.07	6010-108-B-0	INTAKE TYPE SW-512, 24 IN. DIA.	EA	$ 2,000.00		$ -	2	$ 4,000.00	2	$ 4,000.00
6.08	6010-108-F-0	MANHOLE ADJUSTMENT, MAJOR	EA	$ 3,000.00	1	$ 3,000.00	1	$ 3,000.00	2	$ 6,000.00
		SECTION 7010 - PORTLAND CEMENT CONCRETE PAVEMENT								
7.01	7010-108-A-0	PAVEMENT, PCC, 9 1/2 IN. REINFORCED	SY	$ 50.00	8707	$ 435,350.00	4823	$ 241,150.00	13530	$ 676,500.00
7.02	7010-108-A-0	PAVEMENT, PCC, 8 IN.	SY	$ 70.00	808	$ 56,560.00	258	$ 18,060.00	1066	$ 74,620.00
7.03	7010-108-I-0	PCC PAVEMENT SAMPLES AND TESTING	LS	$ 10,000.00	0.65	$ 6,500.00	0.35	$ 3,500.00	1	$ 10,000.00
		SECTION 7030 - SIDEWALKS, SHARED USED PATHS, AND DRIVEWAYS								
7.04	7030-108-A-0	REMOVAL OF DRIVEWAY	SY	$ 12.00	638	$ 7,656.00	469	$ 5,628.00	1107	$ 13,284.00
7.05	7030-108-C-0	SHARED USE PATH, PCC, 6 IN. REINFORCED	SY	$ 40.00	1870	$ 74,800.00		$ -	1870	$ 74,800.00
7.06	7030-108-D-0	SPECIAL SUBGRADE PREPARATION FOR SHARED USE PATH	SY	$ 3.00	2244	$ 6,732.00		$ -	2244	$ 6,732.00
7.07	7030-108-G-0	DETECTABLE WARNING	SF	$ 50.00	20	$ 1,000.00		$ -	20	$ 1,000.00
7.08	7030-108-G-0	DRIVEWAY, PAVED, PCC, 6 IN.	SY	$ 50.00	606	$ 30,300.00	625	$ 31,250.00	1231	$ 61,550.00
7.09	7030-108-G-0	DRIVEWAY, PAVED, PCC, 6 IN. REINFORCED	SY	$ 50.00	114	$ 5,700.00		$ -	114	$ 5,700.00
7.10	7030-108-H-2	DRIVEWAY, GRANULAR	TON	$ 35.00	25	$ 875.00	25	$ 875.00	50	$ 1,750.00
7.11	7030-108-0-0	GRANULAR SURFACING	TON	$ 35.00	275	$ 9,625.00		$ -	275	$ 9,625.00

7.12	7030-108-0-0	DRIVEWAY, GRANULAR (TEMPORARY ACCESS)	TON	$	40.00	1100	$	44,000.00	800	$	32,000.00	1900	$ 76,000.00
7.13	7030-108-0-0	GRANULAR SHOULDER	TON	$	40.00	157	$	6,280.00	43	$	1,720.00	200	$ 8,000.00
		SECTION 7040 - PAVEMENT REHABILITATION											
7.14	7040-108-H-0	PAVEMENT REMOVAL	SY	$	10.00	3260	$	32,600.00	2560	$	25,600.00	5820	$ 58,200.00
		SECTION 8020 - PAVEMENT MARKINGS											
8.01	8020-108-B-0	PAINTED PAVEMENT MARKINGS, SOLVENT/WATERBORNE	STA	$	50.00	76	$	3,800.00	33	$	1,650.00	109	$ 5,450.00
8.02	8020-108-G-0	PAINTED SYMBOLS AND LEGENDS	EA	$	150.00	8	$	1,200.00	2	$	300.00	10	$ 1,500.00
		SECTION 8030 - TEMPORARY TRAFFIC CONTROL											
8.03	8030-108-A-0	TEMPORARY TRAFFIC CONTROL	LS	$	100,000.00	0.65	$	65,000.00	0.35	$	35,000.00	1	$ 100,000.00
8.04	8030-108-0-0	SAFETY FENCE	LF	$	10.00	40	$	400.00	160	$	1,600.00	200	$ 2,000.00
8.05	8030-108-0-0	CHANGEABLE MESSAGE SIGN	DAY	$	200.00	13	$	2,600.00	7	$	1,400.00	20	$ 4,000.00
8.06	8030-108-0-0	PERMANENT SIGNING	LS	$	2,500.00	0.46	$	1,150.00	0.54	$	1,350.00	1	$ 2,500.00
		SECTION 9010 - SEEDING											
9.01	9010-108-A-0	CONVENTIONAL SEEDING, SEEDING, FERTILIZING, AND MULCHING - URBAN TEMP. EROSION CONTROL MIXTURE	AC	$	1,000.00	3	$	3,000.00	2	$	2,000.00	5	$ 5,000.00
9.02	9010-108-B-0	HYDRAULIC SEEDING, SEEDING, FERTILIZING, AND MULCHING - RESCUE SEED MIXTURE	AC	$	3,500.00	6	$	21,000.00	4	$	14,000.00	10	$ 35,000.00
		SECTION 9040 - EROSION AND SEDIMENT CONTROL											
9.03	9040-108-A-1	SWPPP PREPARATION	LS	$	2,000.00	0.65	$	1,300.00	0.35	$	700.00	1	$ 2,000.00
9.04	9040-108-A-2	SWPPP MANAGEMENT	LS	$	5,000.00	0.65	$	3,250.00	0.35	$	1,750.00	1	$ 5,000.00
9.05	9040-108-D-1	FILTER SOCK, 8 IN. DIA.	LF	$	2.00	3000	$	6,000.00	1500	$	3,000.00	4500	$ 9,000.00
9.06	9040-108-D-2	FILTER SOCK, REMOVAL	LF	$	0.50	3000	$	1,500.00	1500	$	750.00	4500	$ 2,250.00
9.07	9040-108-E-0	TEMPORARY RECP, TYPE 2.C	SQ	$	10.00	150	$	1,500.00	250	$	2,500.00	400	$ 4,000.00
9.08	9040-108-J-0	RIP RAP, CLASS D REVETMENT	TON	$	60.00	35	$	2,100.00	100	$	6,000.00	135	$ 8,100.00
9.09	9040-108-J-0	RIP RAP, EROSION STONE	TON	$	50.00	30	$	1,500.00	35	$	1,750.00	65	$ 3,250.00
9.10	9040-108-N-1	SILT FENCE OR SILT FENCE DITCH CHECK	LF	$	1.50	3000	$	4,500.00	1500	$	2,250.00	4500	$ 6,750.00
9.11	9040-108-N-2	SILT FENCE OR SILT FENCE DITCH CHECK, REMOVAL OF SEDIMENT	LF	$	0.25	3000	$	750.00	1500	$	375.00	4500	$ 1,125.00
9.12	9040-108-N-3	SILT FENCE OR SILT FENCE DITCH CHECK, REMOVAL OF DEVICE	LF	$	0.25	3000	$	750.00	1500	$	375.00	4500	$ 1,125.00
9.13	9040-108-O-2	STABILIZED CONSTRUCTION ENTRANCE	TON	$	50.00	100	$	5,000.00	100	$	5,000.00	200	$ 10,000.00
9.14	9040-108-Q-2	EROSION CONTROL MULCHING, HYDROMULCHING	AC	$	1,500.00	6	$	9,000.00	4	$	6,000.00	10	$ 15,000.00
9.15	9040-108-T-1	INLET PROTECTION DEVICE, DROP-IN INTAKE PROTECTION	EA	$	150.00	10	$	1,500.00	6	$	900.00	16	$ 2,400.00
9.16	9040-108-T-2	INLET PROTECTION DEVICE, MAINTENANCE	EA	$	50.00	10	$	500.00	6	$	300.00	16	$ 800.00
9.17	9040-108-0-0	STREET SWEEPING	EA	$	250.00	13	$	3,250.00	7	$	1,750.00	20	$ 5,000.00
		SECTION 11010 - CONSTRUCTION SURVEY											
11.01	11010-108-A-0	CONSTRUCTION SURVEY	LS	$	25,000.00	0.65	$	16,250.00	0.35	$	8,750.00	1	$ 25,000.00
11.02	11010-108-B-0	MONUMENT PRESERVATION AND REPLACEMENT	LS	$	5,000.00	0.65	$	3,250.00	0.35	$	1,750.00	1	$ 5,000.00
		SECTION 11030 - TEMPORARY SERVICES DURING CONSTRUCTION											
11.03	11030-108-A-0	MAINTENANCE OF POSTAL SERVICE	LS	$	5,000.00	0.375	$	1,875.00	0.625	$	3,125.00	1	$ 5,000.00
11.04	11030-108-B-0	MAINTENANCE OF SOLID WASTE COLLECTION	LS	$	5,000.00	3	$	15,000.00	5	$	25,000.00	8	$ 40,000.00
11.05	11030-108-0-0	REMOVE AND REPLACE MAILBOX	EA	$	500.00	0.375	$	187.50	0.625	$	312.50	1	$ 500.00
		SECTION 11050 - CONCRETE WASHOUT											
11.06	11050-108-A-0	CONCRETE WASHOUT	LS	$	15,000.00	0.65	$	9,750.00	0.35	$	5,250.00	1	$ 15,000.00
		TOTAL CONSTRUCTION					$	1,464,284.50		$	914,776.50		$ 2,379,061.00

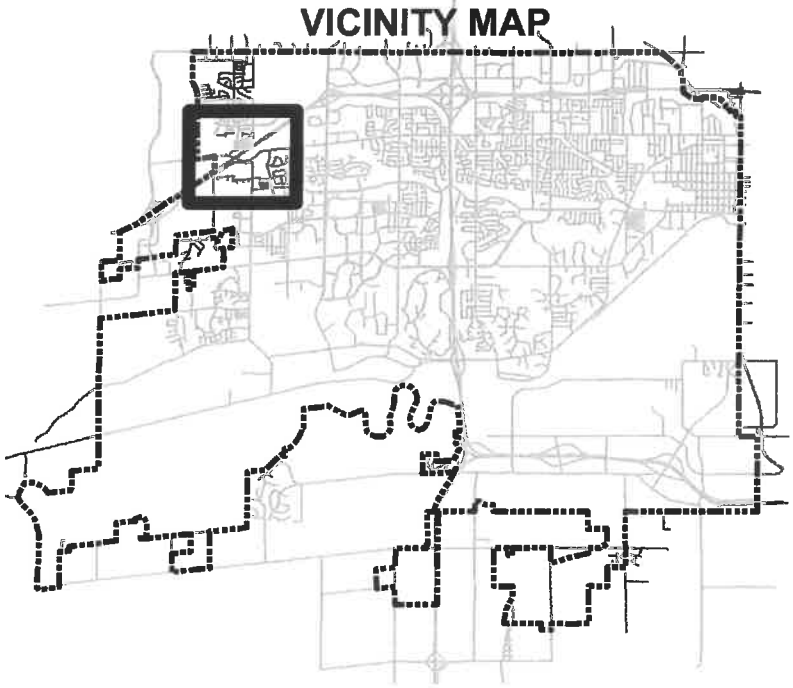


I HEREBY CERTIFY THAT THIS ENGINEERING DOCUMENT WAS PREPARED BY ME OR UNDER MY DIRECT PERSONAL SUPERVISION AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF IOWA.

MY LICENSE RENEWAL DATE IS DECEMBER 31, 2020

THOMAS M. STOVIE, P.E. LICENSE NO. 15588 2/11/2019 DATE

VICINITY MAP



LEGEND

PROJECT LOCATION ▬▬▬

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THE CITY OF WEST DES MOINES

PROJECT:	**Ashworth Road Reconstruction Phase 3**
LOCATION:	**I-80 Bridge to 98th Street**

DRAWN BY: JDR	DATE: 7/16/2018	PROJECT NUMBER : 0510-074-2017 SUBDIVISION NAME:	SHT. 1 of 1