

**Missoula City Council
Public Works Committee Agenda**

Date: August 7, 2019
Time: 11:30 am - 12:00 pm
Location: City Council Chambers
140 W. Pine Street, Missoula , MT
Members: Stacie Anderson, Julie Armstrong, Mirtha Becerra, John DiBari, Heather Harp,
Jordan Hess, Gwen Jones, Julie Merritt, Jesse Ramos, Bryan von Lossberg,
Heidi West

Pages

1. ADMINISTRATIVE BUSINESS

1.1 Roll Call

1.2 Approval of Minutes from July 31, 2019

1

2. PUBLIC COMMENT ON ITEMS NOT ON THE AGENDA

3. COMMITTEE BUSINESS

3.1 Agreement with Montana Dept. of Transportation for Sanitary Sewer Manhole Adjustment on the I-90 Ramps – Grant Creek Road Project

Ross Mollenhauer

4

Recommended Motion:

Approve and authorize the Mayor to sign an agreement with the Montana Department of Transportation for sanitary sewer manhole adjustment as part of the I-90 Ramps – Grant Creek Road Project at no cost to the City.

3.2 HVAC Maintenance Fiscal Year 2020 To 2024

Matt Lawson

17

Recommended Motion:

Approve and authorize the Mayor to sign HVAC maintenance contract with Johnson Controls in the amount of \$111,981.00 for fiscal year 2020 with 3% increase each year.

**3.3 Higgins Ave. Bridge Rehabilitation—Hip Strip Plaza
& West Stair Feasibility Studies and Design
Modifications Project**

Jeremy Keene

39

Recommended Motion:

Approve and authorize the Mayor to sign a professional services agreement with HDR Engineering, Inc. for the Higgins Ave. Bridge Rehabilitation—Hip Strip Plaza & West Stair Feasibility Studies and Design Modifications Project at a cost not to exceed \$39,625.60.

4. ADJOURNMENT

Missoula City Council Public Works Committee Minutes

Date: July 31, 2019
Time: 1:00 pm
Location: City Council Chambers
140 W. Pine Street, Missoula , MT

Members present: Stacie Anderson, Mirtha Becerra, John DiBari, Heather Harp, Jordan Hess, Julie Merritt, Jesse Ramos, Bryan von Lossberg, Heidi West

Members absent: Julie Armstrong, Gwen Jones

1. ADMINISTRATIVE BUSINESS

1.1 Roll Call

1.2 Approval of the Minutes

The minutes were approved as submitted.

1.2.1 Approve minutes from July 24, 2019

2. PUBLIC COMMENT ON ITEMS NOT ON THE AGENDA

3. COMMITTEE BUSINESS

3.1 Consider Revisions to the City Sidewalk Funding Assistance Program

Monte Sipe, Construction Projects Manager, spoke on revisions to the City Sidewalk Funding Assistance Program. His PowerPoint presentation is available online for the public.

He outlined the 'missing' sidewalks in Missoula and provided a sidewalk funding history. Before 2011, property owners were assessed 100 percent of the required curb/sidewalk associated improvements. In 2012, the original curb/sidewalk funding assistance program was implemented. In 2017, the resolution was modified to provide additional funding assistance to all parcels; this was done primarily because of escalating construction costs.

In the fall of 2018, Mayor Engen and Council requested that staff look at one/two dwelling parcels. in an effort to reduce assessments.

Mr. Sipe presented information about the cost of sidewalk per mile. There have been substantial cost increases since the curb/sidewalk funding program began in 2012. He cited the price of materials and the prevailing wages between 2013 to the present among the contributing factors.

The street related work includes removal, replacement, and new installation of curb/gutter, asphalt, alley approaches, and associated drainage structures.

Bringing in additional funding sources to the program will lower overall assessments. In 2017, there were funding assistance changes. The available assistance increased to \$16,500 for property owners, applicable to all commercial and residential parcels.

Mr. Sipe was asked to determine how many total sidewalks have been improved. He stated that the answer is complex, due to material costs, differentiated sidewalk depths, and other factors. Additionally, he noted that the ability to assess comes from state statute outside of structured special improvement districts (SID).

Mr. Sipe discussed the Americans with Disabilities Act (ADA) Transition Plan and the Facilities Pedestrian Master Plan. There are two targets: 1) installing missing ADA facilities; and 2) upgrading existing ramps and facilities in the highest priority areas. Current funding comes from the annual sidewalk program and the ADA funding assistance for sidewalk program. New funding would be the annual sidewalk program and ADA improvement program; this would be included in the 2021 capital improvement program.

The curb/sidewalk assistance program is separate from the proposed ADA Improvement Program. Back of curb to back of curb road work will be paid with Bridge and Road Safety and Accountability Act (BaRSAA) funds. The owner responsibility cap is \$9,000 for one/two family dwelling parcels. The ADA improvement program takes ramp costs into consideration and benefits all one/two family corner parcels, as opposed to just owner-occupied parcels.

Moved By Julie Merritt

Draft a resolution regarding revisions to the City's sidewalk assessment funding assistance program.

For (7): Mirtha Becerra, John DiBari, Heather Harp, Jordan Hess, Julie Merritt, Bryan von Lossberg, and Heidi West

Against (1): Jesse Ramos

Absent (3): Stacie Anderson, Julie Armstrong, and Gwen Jones

Approved (7 to 1)

4. ADJOURNMENT



City of Missoula, Montana
Item to be Referred to City Council Committee

Committee: Public Works

Item: Agreement with Montana Dept. of Transportation for Sanitary Sewer Manhole Adjustment on the I-90 Ramps – Grant Creek Road Project

Date: July 30, 2019

Sponsor(s): Ross Mollenhauer

Prepared by: Lori Hart

Ward(s) Affected:

- | | |
|--|---------------------------------|
| <input type="checkbox"/> Ward 1 | <input type="checkbox"/> Ward 4 |
| <input checked="" type="checkbox"/> Ward 2 | <input type="checkbox"/> Ward 5 |
| <input type="checkbox"/> Ward 3 | <input type="checkbox"/> Ward 6 |
| <input type="checkbox"/> All Wards | <input type="checkbox"/> N/A |

Action Required:

Approve an agreement with the Montana Department of Transportation for sanitary sewer manhole adjustment as part of the I-90 Ramps – Grant Creek Road Project.

Recommended Motion(s):

I move the City Council: Approves and authorizes the Mayor to sign an agreement with the Montana Department of Transportation for sanitary sewer manhole adjustment as part of the I-90 Ramps – Grant Creek Road Project at no cost to the City.

Timeline:

Referral to committee:	August 5, 2019
Committee discussion:	August 7, 2019
Council action (or sets hearing):	N/A
Public Hearing:	N/A
Deadline:	N/A

Background and Alternatives Explored:

This agreement allows the Montana Department of Transportation (MDT) to perform minor adjustments to two City sanitary sewer manholes that are in conflict with the work anticipated as part of the I-90 Ramps – Grant Creek Road Project.

Financial Implications:

There is no cost to the City under this contract.

Links to external websites:



VISION ZERO

zero deaths
zero serious injuries

Montana Department of Transportation

2701 Prospect
PO Box 201001
Helena MT 59620-1001

Steve Bullock, Governor
Michael T. Tooley, Director

July 24, 2019

City of Missoula
Attn: Dennis Bowman
435 Ryman St.
Missoula, MT 59802

Subject: CMDP IM 90-2(145)101 C/N
I-90 Ramps - Grant Creek Rd (MSLA)
Control No. 9034000
Letting Date: February 2020

Due to a pending highway construction project, a portion of your sanitary sewer manhole facilities are in conflict and will have to be adjusted.

The anticipated utility work is to adjust two (2) sanitary sewer manhole at approximately \$864.17 each. The total project cost is anticipated to be \$1,728.33. **Please provide any requirements for adjustment of the sanitary sewer manholes.**

For minor relocation work the Department of Transportation "MDT" will design and make the adjustment of the sanitary sewer facilities in conflict at no charge to the City of Missoula, "OWNER", provided the work does not exceed \$25,000.00. We anticipate that the total cost will be approximately \$1,728.13, however, if the total cost of work to adjust the OWNER'S facilities is \$25,000.00 or more, the OWNER will be charged for 25% of the total cost of the work and an additional 8% of the OWNER'S share for traffic control and 8% of the OWNER'S share for mobilization. If the final cost of work to adjust the sanitary sewer facilities is less than \$25,000.00, there will be no charge to the OWNER.

Section 17-1-106, MCA, requires any state agency, including MDT, which receives non-general funds to identify and recover its indirect costs. These costs are in addition to direct project costs. MDT'S indirect cost rate is determined annually as a percentage of the project's direct costs to cover the project's share of MDT'S indirect costs as defined by 2 CFR Part 200, Appendix VII. MDT'S current indirect cost rate is 10.41% for fiscal year 2020 (July 1, 2019 to June 30, 2020).

For this project, MDT billings to the OWNER will include a charge for the indirect costs at the current fiscal year indirect cost rate, which amount will be applied toward the total project contribution of the OWNER. [Note: If this project extends across more than one fiscal year, more than one annual rate will be involved, as the rates may change during the life of the project.]

If the bid for the total cost of work to adjust the OWNER'S facilities is \$25,000.00 or more, the OWNER will be billed 30 days after bid opening for its portion. If, due to later increases, the total cost of work to adjust the OWNER'S facilities exceeds \$25,000.00, the OWNER will be billed 30 days after discovery of that cost increase for its portion. MDT will provide a detailed breakdown from estimated quantities of all costs with the billing. If payment is not made within that thirty (30) day period, interest on the unpaid amount will accrue at the rate of 10% per year, and continue to accrue until paid in full.

Provided OWNER is in agreement, please sign the following certification and return this letter to the Supervisor, Utility Section. MDT will incorporate the work in the construction contract.

OWNER certifies that the sanitary sewer manholes are part of a public utility facility, and further agrees to permit the MDT to design and MDT'S contractor is to adjust the facilities in conflict with the construction project.

OWNER'S share to be billed by MDT and paid by the OWNER in accordance with the MDT'S Accounting Bureau billing procedure. The billing by the MDT'S Accounting Bureau will be for the OWNER'S share of actual construction cost based on actual bills as furnished by the contractor for all sanitary sewer line project work including the 8% charge for Traffic Control and 8% charge for Mobilization.

OWNER agrees that if the final cost of the work is \$25,000.00 or more, the OWNER will pay MDT 25% of the total cost of work and an additional 8% of the OWNER'S share for traffic control and 8% of the OWNER'S share for mobilization, and the current Indirect Cost.

It is understood that the OWNER agrees to inspect the adjustment of the facilities during the work. Upon completion of the work and acceptance, by OWNER, all responsibility of the MDT ceases.

It is understood that the OWNER is responsible for obtaining any permits required for adjustment of their facility.

Owner Signature and Title

Date

Gabe Priebe, Supervisor
R/W - Utilities Section

Date

Carol Green Morris 7/24/19

Approved for Legal Content - MDT

GP:sg

**MDT NONDISCRIMINATION
AND
DISABILITY ACCOMMODATION NOTICE**

Montana Department of Transportation ("MDT") is committed to conducting all of its business in an environment free from discrimination, harassment, and retaliation. In accordance with State and Federal law MDT prohibits any and all discrimination and protections are all inclusive (hereafter "protected classes") by its employees or anyone with whom MDT does business:

Federal protected classes

Race, color, national origin,
sex, sexual orientation, gender identity,
age, disability, & Limited English Proficiency

State protected classes

Race, color, national origin, parental/marital
status, pregnancy, childbirth, or medical
conditions related to pregnancy or childbirth,
religion/ creed, social origin or condition,
genetic information, sex, sexual orientation,
gender identification or expression, national
origin, ancestry, age, disability mental or
physical, political or religious affiliations or
ideas, military service or veteran status

For the duration of this contract/agreement, the PARTY agrees as follows:

(1) Compliance with Regulations: The PARTY (hereinafter includes consultant) will comply with all Acts and Regulations of the United States and the State of Montana relative to Non-Discrimination in Federally and State-assisted programs of the U.S. Department of Transportation and the State of Montana, as they may be amended from time to time, which are herein incorporated by reference and made a part of this contract.

(2) Non-discrimination:

- a. The PARTY, with regard to the work performed by it during the contract, will not discriminate, directly or indirectly, on the grounds of any of the protected classes in the selection and retention of subcontractors, including procurements of materials and leases of equipment, employment, and all other activities being performed under this contract/agreement.
- b. PARTY will provide notice to its employees and the members of the public that it serves that will include the following:
 - i. Statement that PARTY does not discriminate on the grounds of any protected classes.
 - ii. Statement that PARTY will provide employees and members of the public that it serves with reasonable accommodations for any known disability, upon request, pursuant to the Americans with Disabilities Act as Amended (ADA).
 - iii. Contact information for PARTY's representative tasked with handling non-discrimination complaints and providing reasonable accommodations under the ADA.

- iv. Information on how to request information in alternative accessible formats.
- c. In accordance with Mont. Code Ann. § 49-3-207, PARTY will include a provision, in all of its hiring/subcontracting notices, that all hiring/subcontracting will be on the basis of merit and qualifications and that PARTY does not discriminate on the grounds of any protected class.

(3) Participation by Disadvantaged Business Enterprises (DBEs):

- a. If the PARTY receives federal financial assistance as part of this contract/agreement, the PARTY will make all reasonable efforts to utilize DBE firms certified by MDT for its subcontracting services. The list of all currently certified DBE firms is located on the MDT website at mdt.mt.gov/business/contracting/civil/dbe.shtml
- b. By signing this agreement, the PARTY assures that:

The contractor, sub recipient or subcontractor shall not discriminate on the basis of race, color, national origin, or sex in the performance of this contract. The contractor shall carry out applicable requirements of 49 CFR part 26 in the award and administration of DOT-assisted contracts. Failure by the contractor to carry out these requirements is a material breach of this contract, which may result in the termination of this contract or such other remedy as the recipient deems appropriate.

- c. PARTY must include the above assurance in each contract/agreement the PARTY enters.

(4) Solicitation for Subcontracts, Including Procurement of Materials and Equipment: In all solicitations, either by competitive bidding, or negotiation, made by the PARTY for work to be performed under a subcontract, including procurements of materials, or leases of equipment, each potential subcontractor or supplier will be notified by the PARTY of the PARTY's obligation under this contract/agreement and all Acts and Regulations of the United States and the State of Montana related to Non-Discrimination.

(5) Information and Reports: The PARTY will provide all information and reports required by the Acts, Regulations, and directives issued pursuant thereto and will permit access to its books, records, accounts, other sources of information and its facilities as may be determined by MDT or relevant US DOT Administration to be pertinent to ascertain compliance with such Acts, Regulations, and instructions. Where any information required of a contractor is in the exclusive possession of another who fails or refuses to furnish the information, the PARTY will so certify to MDT or relevant US DOT Administration, as appropriate, and will set forth what efforts it has made to obtain the information.

(6) Sanctions for Noncompliance: In the event of a PARTY's noncompliance with the Non-discrimination provisions of this contract/agreement, MDT will impose such sanctions as it or the relevant US DOT Administration may determine to be appropriate, including, but not limited to:

- a. Withholding payments to the PARTY under the contract/agreement until the PARTY complies; and/or
- b. Cancelling, terminating, or suspending the contract/agreement, in whole or in part.

(7) Pertinent Non-Discrimination Authorities:

During the performance of this contract/agreement, the PARTY, for itself, its assignees, and successor in interest, agrees to comply with the following non-discrimination statutes and authorities; including but not limited to:

Federal

- Title VI of the Civil Rights Act of 1964 (42 U.S.C. § 2000d *et seq.*, 78 stat. 252), (prohibits discrimination on the basis of race, color, national origin); and 49 CFR Part 21;
- The Uniform Relocation Assistance and Real Property Acquisition Policies Act of 1970, (42 U.S.C. § 4601), (prohibits unfair treatment of persons displaced or whose property has been acquired because of Federal or Federal-aid programs and projects);
- Federal-Aid Highway Act of 1973, (23 U.S.C. § 324 *et seq.*), (prohibits discrimination on the basis of sex);
- Section 504 of the Rehabilitation Act of 1973, (29 U.S.C. § 794 *et seq.*), as amended, (prohibits discrimination on the basis of disability); and 49 CFR Part 27;
- The Age Discrimination Act of 1975, as amended, (42 U.S.C. § 6101 *et seq.*), (prohibits discrimination on the basis of age);
- Airport and Airways Improvement Act of 1982, (49 U.S.C. § 471, Section 47123), as amended, (prohibits discrimination based on race, creed, color, national origin, or sex);
- The Civil Rights Restoration Act of 1987, (PL 100-209), (broadened the scope, coverage, and applicability of Title VI of the Civil Rights Act of 1964, The Age Discrimination Act of 1975, and Section 504 of the Rehabilitation Act of 1973, by expanding the definition of the terms "programs or activities" to include all of the programs or activities of the Federal-aid recipients, sub-recipients, and contractors, whether such programs or activities are Federally funded or not);
- Titles II and III of the Americans with Disabilities Act, which prohibits discrimination on the basis of disability in the operation of public entities, public and private transportation systems, places of public accommodation, and certain testing entities (42 U.S.C. §§ 12131-12189) as implemented by Department of Transportation regulations at 49 CFR parts 37 and 38;
- The Federal Aviation Administration's Non-Discrimination statute (49 U.S.C. § 47123) (prohibits discrimination on the basis of race, color, national origin, and sex);
- Executive Order 12898, Federal Actions to Address Environmental Justice in Minority Populations and Low-Income Populations, which prevents discrimination against minority populations by discouraging programs, policies, and activities with disproportionately high and adverse human health or environmental effects on minority and low-income populations;

- Executive Order 13166, Improving Access to Services for Persons with Limited English Proficiency, and resulting agency guidance, national origin discrimination includes discrimination because of Limited English Proficiency (LEP). To ensure compliance with Title VI, you must take reasonable steps to ensure that LEP persons have meaningful access to your programs (70 Fed. Reg. at 74087 to 74100);
- Title IX of the Education Amendments of 1972, as amended, which prohibits you from discriminating because of sex in education programs or activities (20 U.S.C. § 1681 *et seq.*).
- Executive Order 13672 prohibits discrimination in the civilian federal workforce on the basis of gender identity and in hiring by federal contractors on the basis of both sexual orientation and gender identity.

State

- Mont. Code Ann. § 49-3-205 Governmental services;
- Mont. Code Ann. § 49-3-206 Distribution of governmental funds;
- Mont. Code Ann. § 49-3-207 Nondiscrimination provision in all public contracts.

(8) Incorporation of Provisions: The PARTY will include the provisions of paragraph one through seven in every subcontract, including procurements of materials and leases of equipment, unless exempt by the Acts, the Regulations and/or directives issued pursuant thereto. The PARTY will take action with respect to any subcontract or procurement as MDT or the relevant US DOT Administration may direct as a means of enforcing such provisions including sanctions for noncompliance. Provided, that if the PARTY becomes involved in, or is threatened with litigation by a subcontractor, or supplier because of such direction, the PARTY may request MDT to enter into any litigation to protect the interests of MDT. In addition, the PARTY may request the United States to enter into the litigation to protect the interests of the United States.

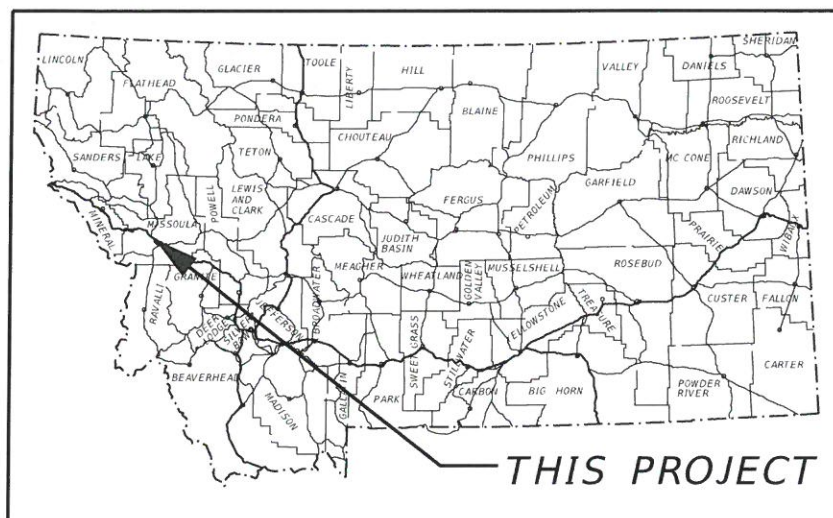
Summary of Costs for City of Missoula

Subject CMDP - IM 90-2(145)101 C/N
 I-90 Ramps - Grant Creek Rd (MSLA)
 Control No. 9034000

Item No.	Quantities	Description	Unit	Unit Cost	Total Unit Cost
604000100	2	Adjust Manhole	EA	\$864.17	\$1,728.33
					\$0.00
Total					\$1,728.33

Note: 100% State Cost Share

SG: em



FOR MDT INTERNAL DISTRIBUTION ONLY
MONTANA DEPARTMENT OF TRANSPORTATION

05/14/2019
Highways & Engineering
Division

PROJECT DESIGN DATA

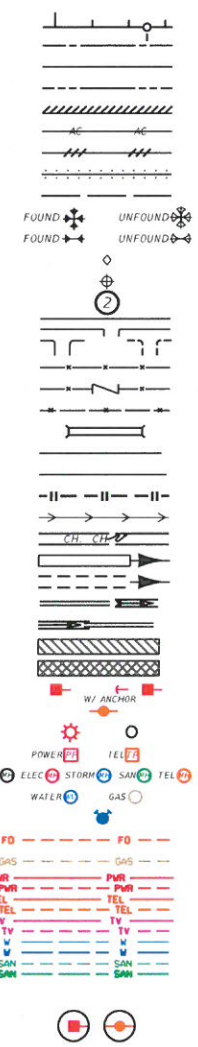
L-32-2271 (Grant Creek Rd.)			
PRESENT 2016	A.D.T. =	5,360	
LETTING 2018	A.D.T. =	5,610	
DESIGN 2021	A.D.T. =	6,010	
	D.H.V. =	600	
	TRUCKS =	0.7%	
	V. =	N/A	
	18 KIP ESAL'S =	21	
	GROWTH RATE =	2.3%	

UTILITY PLAN OF
FEDERAL AID PROJECT IM 90-2()101
I-90 RAMPS - GRANT CREEK RD (MSLA)
MISSOULA COUNTY
LENGTH 0.81 MILES

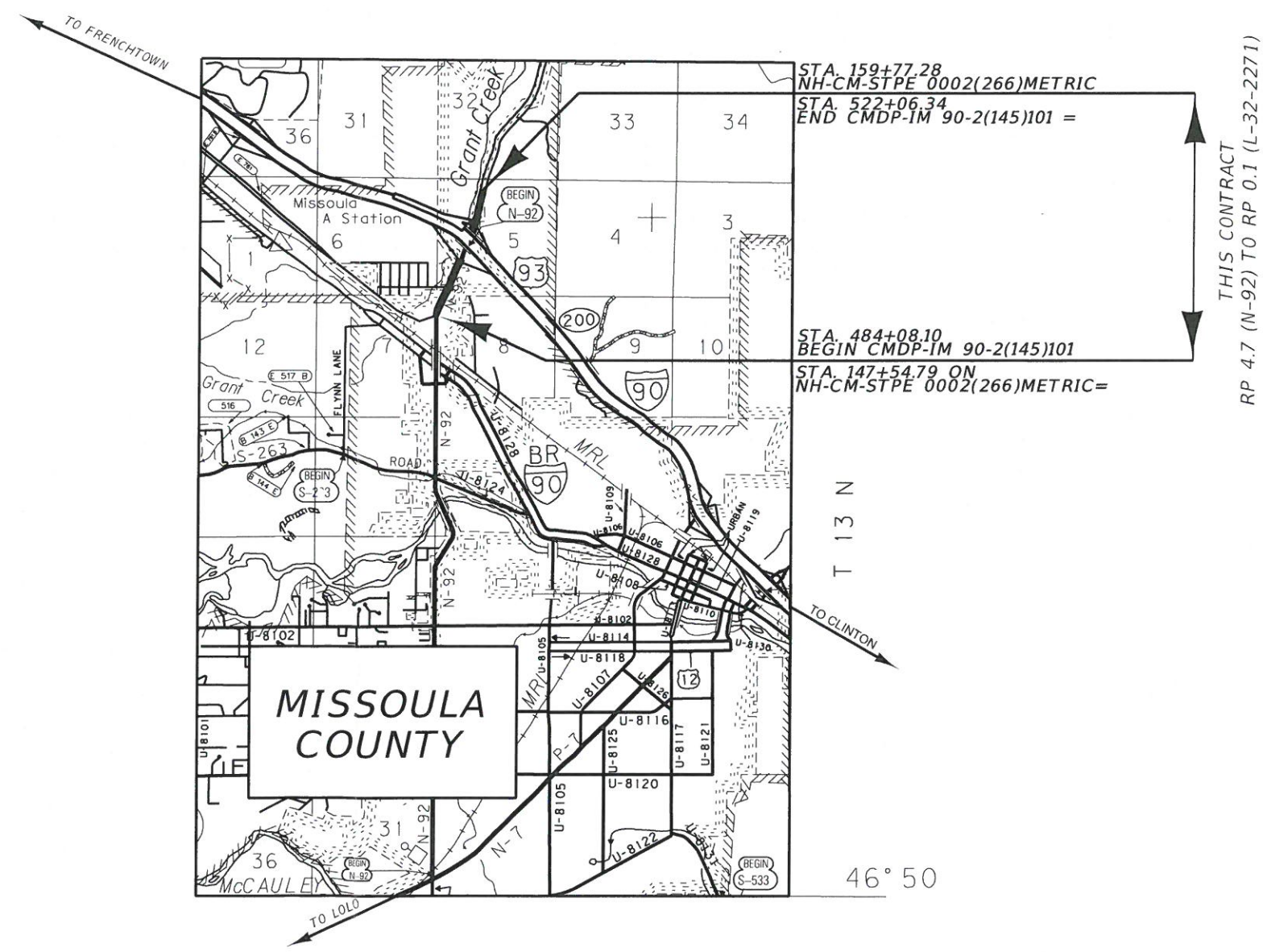
City of Missoula Exhibit
Water Adjustments —————
Sewer Adjustments —————

PLAN LEGEND

- CENTERLINE Q OR PROJECTED LINE
- PROPOSED RIGHT OF WAY LINE
- EXISTING RIGHT OF WAY LINE
- RAILROAD RIGHT OF WAY LINE
- EXISTING ACCESS CONTROL
- FULL ACCESS CONTROL
- LIMITED ACCESS CONTROL
- OWNERSHIP BOUNDARY
- SECTION LINE
- SECTION CORNER
- 1/4 SECTION CORNER
- RIGHT OF WAY MONUMENT
- PROPERTY CORNER PIN
- PARCEL NUMBERS
- PRESENT TRAVELED WAY (P.T.W.)
- APPROACH: EXIST.- PROPOSED
- FENCE LINE
- GATE IN FENCE
- CATTLE GUARD: EXIST.- PROPOSED
- BRIDGES
- RAILROADS
- EXISTING GUARDRAIL
- PROPOSED GUARDRAIL
- EXISTING DITCH
- CHANNEL CHANGES
- EXISTING CULVERT
- PROPOSED CULVERT
- OUTLET DITCH
- INLET DITCH
- WETLANDS NOT IMPACTED
- WETLANDS IMPACTED
- POWER POLE IN PLACE
- TELEPHONE POLE IN PLACE
- LIGHT POLE - GUY POLE
- PEDESTALS
- MANHOLES
- VALVES
- FIRE HYDRANT
- FIBER CABLE
- GAS
- POWER
- TELEPHONE
- TELEVISION
- WATER
- SANITARY SEWER



ASSOCIATED PROJECTS
RELATED PROJECTS



CONSTRUCTION LIMITS	MAP REVISED
CUT SECTION	
TRANSITION	
TOE OF FILL	
BACKSLOPE LIMITS	
INCLUDE ROUNDING	

SUMMARY

CURB							
STATION		linear feet				square yards	
		CONCRETE CURB AND GUTTER		# REMOVE CURB AND GUTTER		CONCRETE VALLEY GUTTER	
FROM	TO	LEFT	RIGHT	LEFT	RIGHT	LEFT	RIGHT
484+64.28	485+10.00	64.0		64.1			
484+72.64	485+10.14		53.9		53.9		
485+69.10	486+04.73		51.0		51.0		
485+69.58	486+08.76	57.7		57.7			
512+61.81	512+80.03		29.5		29.5		
512+83.50	512+98.75		24.1		29.4		
513+78.91	514+01.03		29.7		29.3		
514+19.70	514+34.69		18.3		18.3		
514+84.95	515+06.86		21.2		21.2		
514+87.70	515+08.20	33.3		33.4			
514+15.42	514+36.78	30.5		25.8			
518+21.18	518+45.11	43.0		43.1			
518+00.40	518+06.22		20.6		22.2		
518+73.21	519+17.85		48.3		48.3		
518+97.57	521+45.37	285.8					
518+87.11	521+45.37			309.4			
518+52.13	521+97.22			356.4			
518+52.13	519+20.62				76.3		
519+98.38	521+97.22				200.8		
518+64.05	520+09.50	148.6					
518+64.05	519+20.62		68.2				
519+98.38	520+09.50		160.9				
519+21.05	521+45.37					75.1	
SUBTOTAL		662.9	525.7	889.9	580.2	75.1	0.0
TOTAL		1,188.6		~		75.1	

FOR INFORMATION ONLY - INCLUDE IN THE COST OF NEW CURB & GUTTER

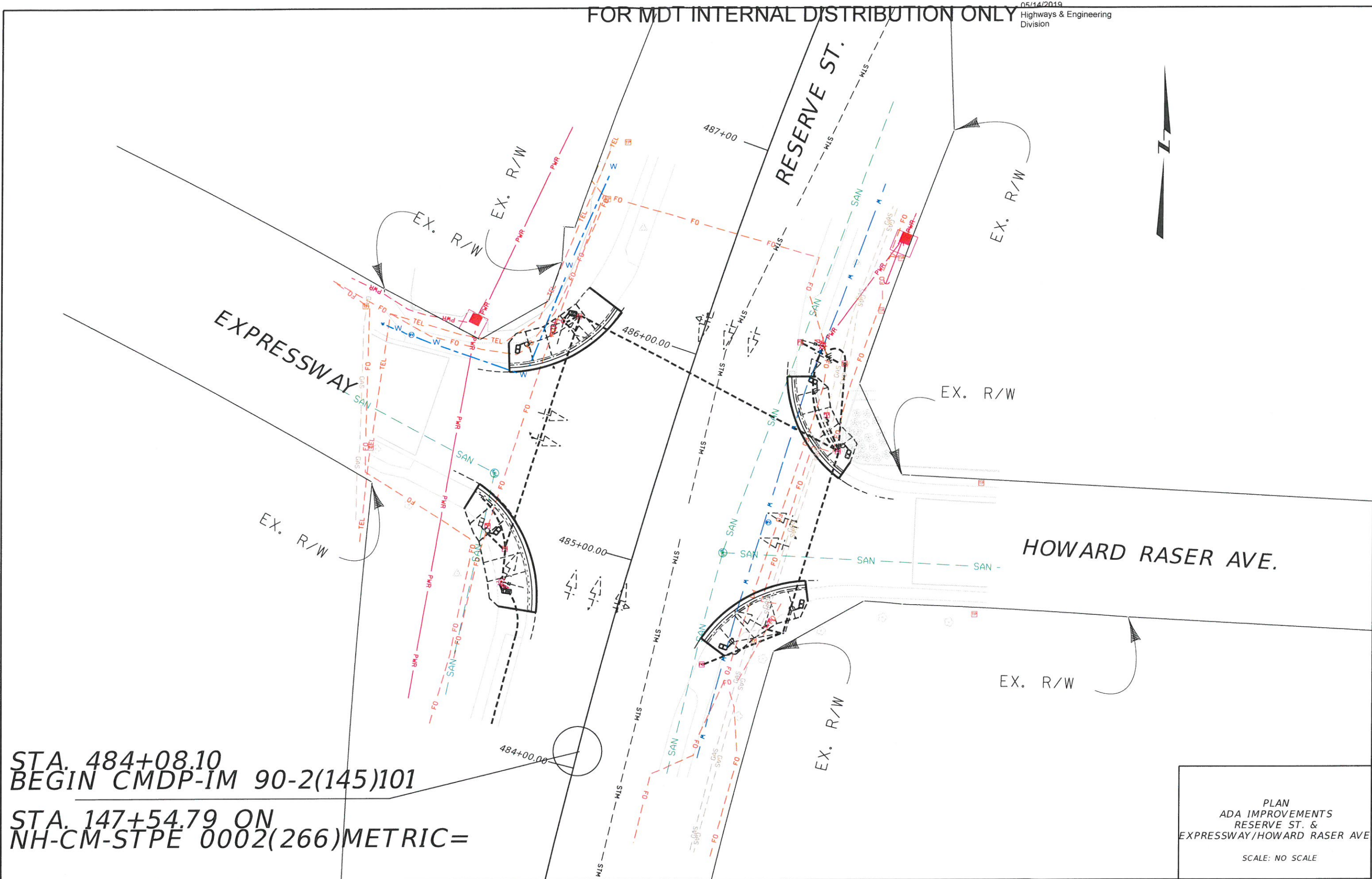
\$ CMDP FUNDING

MANHOLES IN PLACE			
STATION	each		REMARKS
	ADJUST MANHOLE		
	LEFT	RIGHT	
518+64.29	1		6.4 LT. (WATER) #
519+19.15	1		4.9 LT. ROTATE STANDARD FRAME AND LID TO 519+19.96. 5.69 LT. (SEE DETAIL)
519+52.66		1	1.6 RT. (SANITARY SEWER) #
SUBTOTAL	2	1	
TOTAL	3		

FUNDING - STATE COST SHARE 100%

MEDIAN CAP				
STATION		square yards		REMARKS
		REMOVE MEDIAN CAP	DECORATIVE CONCRETE	
FROM	TO		3"	
518+52.13	519+01.05	32.9		
519+17.48	521+97.22	192.8		
518+64.05	519+15.36		114.2	MATCH EXISTING COLOR AND PATTERN, MEDIAN ISLAND
519+24.29	520+83.06		204.3	MATCH EXISTING COLOR AND PATTERN, MEDIAN ISLAND
TOTAL		~	318.5	

^ FOR INFORMATION ONLY - INCLUDE IN THE COST OF NEW MEDIAN CAP



STA. 484+08.10
BEGIN CMDP-IM 90-2(145)101
STA. 147+54.79 ON
NH-CM-STPE 0002(266)METRIC=

PLAN
ADA IMPROVEMENTS
RESERVE ST. &
EXPRESSWAY/HOWARD RASER AVE
SCALE: NO SCALE

FOR MDT INTERNAL DISTRIBUTION ONLY

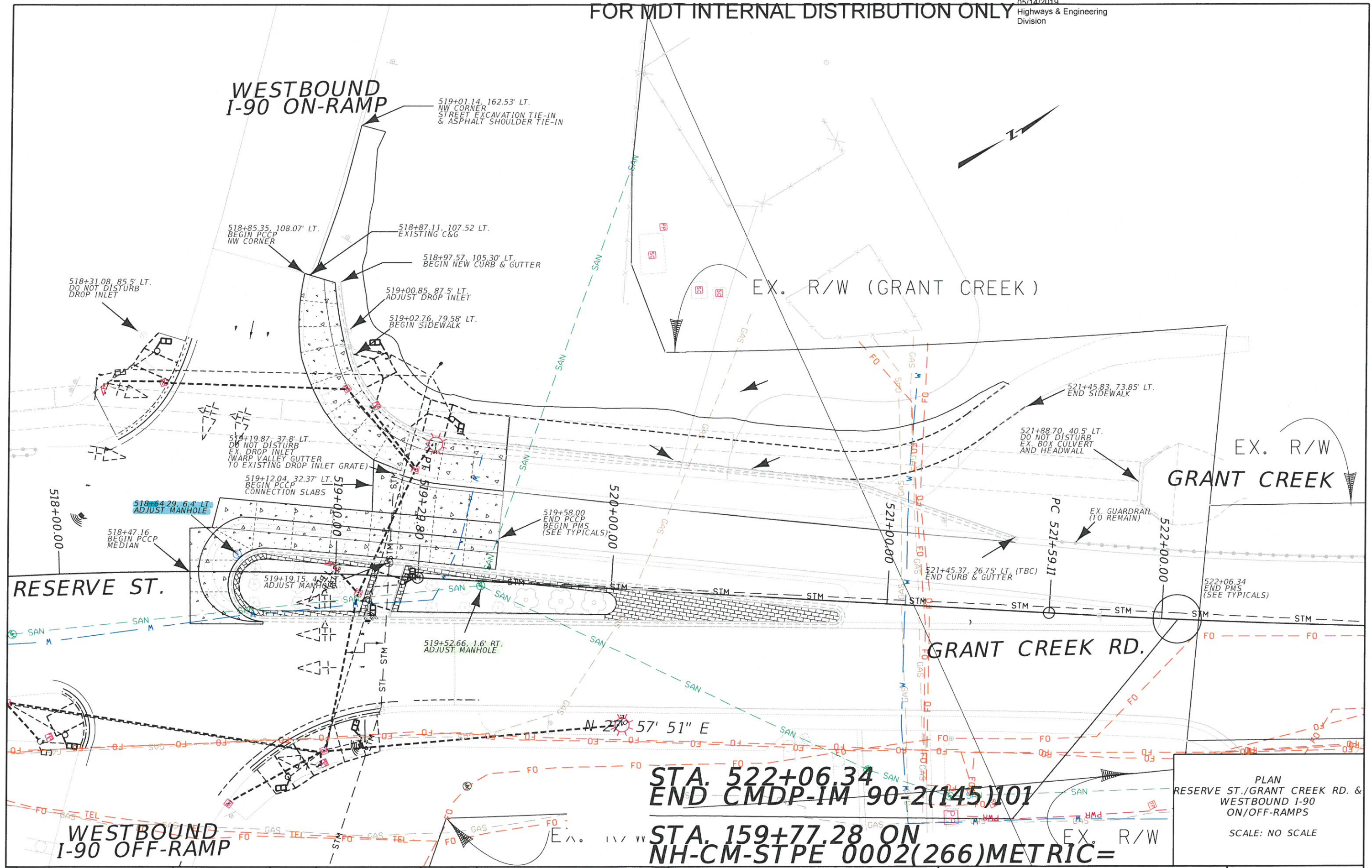
EASTBOUND I-90 OFF-RAMP

RESERVE ST.

EASTBOUND I-90 ON-RAMP

EASTBOUND I-90 ON-RAMP

PLAN
ADA IMPROVEMENTS
RESERVE ST. &
EASTBOUND I-90
ON/OFF-RAMPS
SCALE: NO SCALE



STA. 522+06.34
END CMDP-IM 90-2(145)101

STA. 159+77.28 ON
NH-CM-STPE 0002(266)METRIC=

PLAN
RESERVE ST./GRANT CREEK RD. &
WESTBOUND I-90
ON/OFF-RAMPS
SCALE: NO SCALE



City of Missoula, Montana
Item to be Referred to City Council Committee

Committee: Public Works

Item: HVAC Maintenance Fiscal Year 2020 To 2024

Date: July 29, 2019

Sponsor(s): Matt Lawson

Prepared by: Matt Lawson

Ward(s) Affected:

- | | |
|------------------------------------|---|
| <input type="checkbox"/> Ward 1 | <input type="checkbox"/> Ward 4 |
| <input type="checkbox"/> Ward 2 | <input type="checkbox"/> Ward 5 |
| <input type="checkbox"/> Ward 3 | <input type="checkbox"/> Ward 6 |
| <input type="checkbox"/> All Wards | <input checked="" type="checkbox"/> N/A |

Action Required:

Approve HVAC Maintenance Contract

Recommended Motion(s):

I move the City Council: Approve and authorize the Mayor to sign HVAC maintenance contract with Johnson Controls in the amount of \$111,981.00 for fiscal year 2020 with 3% increase each year.

Timeline:

Referral to committee:	August 5, 2019
Committee discussion:	August 7, 2019
Council action (or sets hearing):	August 12, 2019
Public Hearing:	N/A
Deadline:	August 12, 2019

Background and Alternatives Explored: Current contract ended on June 30 2019 released a request for proposals in spring with three responding bidders, Johnson controls was the lowest cost bidder.

Financial Implications: See item attachments

Links to external websites:

Schedule A - Equipment List

CURRENTS AT MCCORMICK PARK

600 CREGG LANE MCCORMICK PARK
MISSOULA, MT 59801-0000

Air Handling Unit (AHU), Mixed Air, 15-30 HP

Quantity: 1

<u>Customer Tag</u>	<u>Manufacturer</u>	<u>Model #</u>	<u>Serial #</u>
AHU-1			

Air Handling Unit (AHU), Variable Frequency Drive (VFD), 15-30 HP

Quantity: 1

<u>Customer Tag</u>	<u>Manufacturer</u>	<u>Model #</u>	<u>Serial #</u>
AAON RTU			

Boiler, Gas-Fired, Water Tube, 151-300 HP

Quantity: 3

<u>Customer Tag</u>	<u>Manufacturer</u>	<u>Model #</u>	<u>Serial #</u>
B-1			
B-2			
B-3			

Fan, Exhaust Fan, Ceiling Mounted, 0 - 5HP

Quantity: 1

<u>Customer Tag</u>	<u>Manufacturer</u>	<u>Model #</u>	<u>Serial #</u>
EF-1			

Heat Exchanger-All

Quantity: 2

<u>Customer Tag</u>	<u>Manufacturer</u>	<u>Model #</u>	<u>Serial #</u>

Pump, Circulating, 0-10 HP

Quantity: 2

<u>Customer Tag</u>	<u>Manufacturer</u>	<u>Model #</u>	<u>Serial #</u>
JET BLOWER PUMP			
SPA RECIRC PUMP			

Pump, Circulating, 11-50 HP

Quantity: 8

CURRENTS AT MCCORMICK PARK	600 CREGG LANE MCCORMICK PARK MISSOULA, MT 59801-0000
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<u>Customer Tag</u>	<u>Manufacturer</u>	<u>Model #</u>	<u>Serial #</u>
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FLUME PUMP

HTG WATER PUMP 1

HTG WATER PUMP 1

HTG WATER PUMP 2

HW STORAGE TANK PUMP

PLAY FEATURE PUMP

POOL RECIRC PUMP

SPA PUMP

SWIM CHANNEL PUMP

Roof Top Unit (RTU), Cooling/Gas Heating, with Economizer, <8 Tons

Quantity: 2

<u>Customer Tag</u>	<u>Manufacturer</u>	<u>Model #</u>	<u>Serial #</u>
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RTU-1

RTU-2

MISSOULA ART MUSEUM	335 N PATTEE ST MISSOULA, MT 59802-4520
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Air Handling Unit (AHU), Mixed Air, 15-30 HP

Quantity: 3

<u>Customer Tag</u>	<u>Manufacturer</u>	<u>Model #</u>	<u>Serial #</u>
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AHU-1

AHU-MED

RTU-1

Block Hours - Controls

Quantity: 1

<u>Customer Tag</u>	<u>Manufacturer</u>	<u>Model #</u>	<u>Serial #</u>
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Tech Labor Delta Controls

Boiler, Gas-Fired, Water Tube, 51-150 HP

Quantity: 2

<u>Customer Tag</u>	<u>Manufacturer</u>	<u>Model #</u>	<u>Serial #</u>
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B-1

B-2

Condenser, Air Cooled, <7.5 Tons

Quantity: 2

<u>Customer Tag</u>	<u>Manufacturer</u>	<u>Model #</u>	<u>Serial #</u>
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Cond-1

Cond-2

MISSOULA ART MUSEUM	335 N PATTEE ST MISSOULA, MT 59802-4520
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Fan, Exhaust Fan, Ceiling Mounted, 0 - 5HP

Quantity: 8

<u>Customer Tag</u>	<u>Manufacturer</u>	<u>Model #</u>	<u>Serial #</u>
EXH FAN / 1			
EXH FAN / 2			
EXH FAN / 3			
EXH FAN / 4			
EXH FAN / 5			
EXH FAN / 6			
EXH FAN / 7			
EXH FAN / 8			

Humidifier All

Quantity: 2

<u>Customer Tag</u>	<u>Manufacturer</u>	<u>Model #</u>	<u>Serial #</u>
Bldg Humidifier			
Vault Humidifier			

Pump, Circulating, 0-10 HP

Quantity: 4

<u>Customer Tag</u>	<u>Manufacturer</u>	<u>Model #</u>	<u>Serial #</u>
P-1			
P-2			
P-3			
P-4			

Split System, Cooling Only, <7.5 Tons

Quantity: 1

<u>Customer Tag</u>	<u>Manufacturer</u>	<u>Model #</u>	<u>Serial #</u>
Vault Furnace Split System			

MISSOULA CITY HALL	435 RYMAN ST MISSOULA, MT 59802-4207
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Air Compressor/Dryer, Air Compressor, Commercial, <5 HP

Quantity: 2

<u>Customer Tag</u>	<u>Manufacturer</u>	<u>Model #</u>	<u>Serial #</u>
AIR COMPRESSOR / 1			
AIR COMPRESSOR / 2			

MISSOULA CITY HALL	435 RYMAN ST MISSOULA, MT 59802-4207
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Air Handling Unit (AHU), Make-Up Air Unit (MAU), <15 HP

Quantity: 1

<u>Customer Tag</u>	<u>Manufacturer</u>	<u>Model #</u>	<u>Serial #</u>
MAKE UP AIR UNIT			

Air Handling Unit (AHU), Mixed Air, 15-30 HP

Quantity: 3

<u>Customer Tag</u>	<u>Manufacturer</u>	<u>Model #</u>	<u>Serial #</u>
AIR HANDLING UNIT / 1			
AIR HANDLING UNIT / 2			
AIR HANDLING UNIT / 3			

Block Hours - Controls

Quantity: 1

<u>Customer Tag</u>	<u>Manufacturer</u>	<u>Model #</u>	<u>Serial #</u>

Block Hours - Pneumatic

Quantity: 1

<u>Customer Tag</u>	<u>Manufacturer</u>	<u>Model #</u>	<u>Serial #</u>
ATC - Mech			

Block Hours - Pneumatic

Quantity: 1

<u>Customer Tag</u>	<u>Manufacturer</u>	<u>Model #</u>	<u>Serial #</u>
ATC			

Boiler, Gas-Fired, Water Tube, 151-300 HP

Quantity: 2

<u>Customer Tag</u>	<u>Manufacturer</u>	<u>Model #</u>	<u>Serial #</u>
WEIL MCLAIN BOILER / 1			
WEIL MCLAIN BOILER / 2			

Boiler, Gas-Fired, Water Tube, <50HP

Quantity: 3

<u>Customer Tag</u>	<u>Manufacturer</u>	<u>Model #</u>	<u>Serial #</u>
BURNHAM BOILER			
LOCHINVAR BOILER / 1			
LOCHINVAR BOILER / 2			

MISSOULA CITY HALL		435 RYMAN ST MISSOULA, MT 59802-4207	
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Chiller, Air Cooled, Screw, <150 Tons			
Quantity: 2			
<u>Customer Tag</u>	<u>Manufacturer</u>	<u>Model #</u>	<u>Serial #</u>
CHILLER / 1			
CHILLER / 2			

Condenser, Air Cooled, 7.5-14 Tons			
Quantity: 4			
<u>Customer Tag</u>	<u>Manufacturer</u>	<u>Model #</u>	<u>Serial #</u>
CONDENSING UNIT / 1			
CONDENSING UNIT / 2			
CONDENSING UNIT / 3			
CONDENSING UNIT / 4			

Fan, Exhaust Fan, Ceiling Mounted, 0 - 5HP			
Quantity: 4			
<u>Customer Tag</u>	<u>Manufacturer</u>	<u>Model #</u>	<u>Serial #</u>
EXHAUST FAN / 1			
EXHAUST FAN / 2			
EXHAUST FAN / 3			
EXHAUST FAN / 4			

Furnace, All			
Quantity: 1			
<u>Customer Tag</u>	<u>Manufacturer</u>	<u>Model #</u>	<u>Serial #</u>
WESCO FURNACE			

Pump, Circulating, 0-10 HP			
Quantity: 4			
<u>Customer Tag</u>	<u>Manufacturer</u>	<u>Model #</u>	<u>Serial #</u>
CHILLED WATER PUMP			
CIRC PUMP / 1			
CIRC PUMP / 2			
HOT WATER PUMP			

Terminal Product, Fan Coil Unit (FCU), Horizontal Air Flow, 300-1200 CFM			
Quantity: 41			
<u>Customer Tag</u>	<u>Manufacturer</u>	<u>Model #</u>	<u>Serial #</u>
FAN COIL / 1			
FAN COIL / 10			
FAN COIL / 11			
FAN COIL / 12			
FAN COIL / 13			
FAN COIL / 14			

MISSOULA CITY HALL	435 RYMAN ST MISSOULA, MT 59802-4207
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FAN COIL / 15
 FAN COIL / 16
 FAN COIL / 17
 FAN COIL / 19
 FAN COIL / 2
 FAN COIL / 20
 FAN COIL / 21
 FAN COIL / 22
 FAN COIL / 23
 FAN COIL / 24
 FAN COIL / 25
 FAN COIL / 26
 FAN COIL / 27
 FAN COIL / 28
 FAN COIL / 29
 FAN COIL / 3
 FAN COIL / 30
 FAN COIL / 31
 FAN COIL / 32
 FAN COIL / 33
 FAN COIL / 34
 FAN COIL / 35
 FAN COIL / 36
 FAN COIL / 37
 FAN COIL / 38
 FAN COIL / 39
 FAN COIL / 4
 FAN COIL / 40
 FAN COIL / 41
 FAN COIL / 5
 FAN COIL / 6
 FAN COIL / 7
 FAN COIL / 8
 FAN COIL / 9

Unit Heater

Quantity: 1

<u>Customer Tag</u>	<u>Manufacturer</u>	<u>Model #</u>	<u>Serial #</u>
UNIT HEATER			

Water Heater, Gas, 150-300GAL

Quantity: 1

<u>Customer Tag</u>	<u>Manufacturer</u>	<u>Model #</u>	<u>Serial #</u>
LOCHINVAR WATER HEATER			

MISSOULA CITY SHOPS	1305 SCOTT ST MISSOULA, MT 59802-2428
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Air Handling Unit (AHU), 100% Outside Air, <15 HP

Quantity: 2

MISSOULA CITY SHOPS	1305 SCOTT ST MISSOULA, MT 59802-2428
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<u>Customer Tag</u>	<u>Manufacturer</u>	<u>Model #</u>	<u>Serial #</u>
MAU-1			
MAU-2			

Boiler, Gas-Fired, Water Tube, <50HP

Quantity: 1

<u>Customer Tag</u>	<u>Manufacturer</u>	<u>Model #</u>	<u>Serial #</u>
B-1			

Condenser, Water Cooled, no Compressor, All

Quantity: 2

<u>Customer Tag</u>	<u>Manufacturer</u>	<u>Model #</u>	<u>Serial #</u>
ACCU-1			
ACCU-2			

Fan, Exhaust Fan, Ceiling Mounted, 0 - 5HP

Quantity: 4

<u>Customer Tag</u>	<u>Manufacturer</u>	<u>Model #</u>	<u>Serial #</u>
EF-1			
EF-2			
EF-3			
EF-4			

Roof Top Unit (RTU), Cooling/Gas Heating, with Economizer, 25.5-60 Tons

Quantity: 1

<u>Customer Tag</u>	<u>Manufacturer</u>	<u>Model #</u>	<u>Serial #</u>
RTU-1	Carrier	50-004-A-301	3113G50641-1

Unit Heater, Gas Fired, <300000 BTU

Quantity: 8

<u>Customer Tag</u>	<u>Manufacturer</u>	<u>Model #</u>	<u>Serial #</u>
UH-1			
UH-2			
UH-3			
UH-4			
UH-5			
UH-6			
UH-7			
UH-8			

Radiant Tube Heater, Gas Fired

Quantity: 8

<u>Customer Tag</u>	<u>Manufacturer</u>	<u>Model #</u>	<u>Serial #</u>
RTH-1			
RTH-2			
RTH-3			
RTH-4			
RTH-5			
RTH-6			
RTH-7			
RTH-8			

MISSOULA COUNCIL CHAMBERS

140 W PINE ST
MISSOULA, MT 59802-4222

Block Hours - Controls

Quantity: 1

<u>Customer Tag</u>	<u>Manufacturer</u>	<u>Model #</u>	<u>Serial #</u>
Block Hours - Controls			

Roof Top Unit (RTU), Cooling/Gas Heating, with Economizer, <8 Tons

Quantity: 4

<u>Customer Tag</u>	<u>Manufacturer</u>	<u>Model #</u>	<u>Serial #</u>
RTU-1			
RTU-2			
RTU-3			
RTU-4			

Split System, Cooling Only, <7.5 Tons

Quantity: 1

<u>Customer Tag</u>	<u>Manufacturer</u>	<u>Model #</u>	<u>Serial #</u>
Split System			

MISSOULA PARK OPERATIONS

100 HICKORY ST
MISSOULA, MT 59801-1859

Furnace, All

Quantity: 1

<u>Customer Tag</u>	<u>Manufacturer</u>	<u>Model #</u>	<u>Serial #</u>
Furnace-1			

Split System, Cooling Only, <7.5 Tons

Quantity: 1

<u>Customer Tag</u>	<u>Manufacturer</u>	<u>Model #</u>	<u>Serial #</u>
RTU-1			

MISSOULA PARK OPERATIONS	100 HICKORY ST MISSOULA, MT 59801-1859
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Unit Heater, Electric, <300000 BTU

Quantity: 10

<u>Customer Tag</u>	<u>Manufacturer</u>	<u>Model #</u>	<u>Serial #</u>
UH-1			
UH-10			
UH-2			
UH-3			
UH-4			
UH-5			
UH-6			
UH-7			
UH-8			
UH-9			

MISSOULA STREET DEPARTMENT OFFICE	1305 SCOTT ST # A MISSOULA, MT 59802-2428
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Fan, Exhaust Fan, Ceiling Mounted, 0 - 5HP

Quantity: 1

<u>Customer Tag</u>	<u>Manufacturer</u>	<u>Model #</u>	<u>Serial #</u>
EF-1		EF-1	

Split System, Cooling Only, <7.5 Tons

Quantity: 1

<u>Customer Tag</u>	<u>Manufacturer</u>	<u>Model #</u>	<u>Serial #</u>
RTU-1			

POLICE EVIDENCE BUILDING	109 CATLIN MISSOULA MT.
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Roof top unit (RTU), Cooling/Gas Heating <8 Tons

Quantity: 3

<u>Customer Tag</u>	<u>Manufacturer</u>	<u>Model #</u>	<u>Serial #</u>
RTU-1			
RTU-2			
RTU-3			

Roof top unit (RTU), Economizer/Gas heating

Quantity: 1

<u>Customer Tag</u>	<u>Manufacturer</u>	<u>Model #</u>	<u>Serial #</u>
RTU-4			

Mechanical HVAC Contract

AGREEMENT FOR PROVISION OF MECHANICAL, HEATING, COOLING, AND AIR CONTROL SERVICES FOR CITY OF MISSOULA, DURING FISCAL YEARS 2020 THROUGH JUNE 30, FISCAL YEAR 2024

THIS AGREEMENT, made and entered into this July, 2019, Fiscal year 2020 in the City of Missoula, County of Missoula, State of Montana, by and between the City of Missoula, a municipal corporation organized under the laws of the State of Montana (hereinafter referred to as “City”) and Johnson Controls Inc. (hereinafter referred to as “HVAC Contractor”).

WITNESSETH

For and in consideration of the mutual promises and agreements set forth herein, the City and the HVAC Contractor mutually stipulate and agree to the following provisions:

PROFESSIONAL SERVICES CONTRACT WITH CITY

The City hereby agrees to purchase mechanical, heating, cooling, and air control services for The City of Missoula, from HVAC Contractor pursuant to the terms and provisions of this Agreement, and HVAC Contractor agrees to provide mechanical, heating, cooling, and air control services for The City of Missoula pursuant to the terms, conditions, and requirements identified pursuant to the provisions of this Agreement.

PROPERTIES COVERED UNDER THIS HVAC CONTRACT.

- 1) City Hall (435 Ryman St)
- 2) City Council Chambers (140 West Pine)
- 3) Vehicle Maintenance/Streets Maintenance (1305 Scott St)
- 4) Police Evidence building (109 Catlin)
- 5) Splash Montana (3001 Bancroft St)
- 6) Currents (600 Cregg Lane)
- 7) Missoula Art Museum (335 N Pattee St)
- 8) Parks Department (400 Hickory)

SCOPE OF PROFESSIONAL SERVICES

HVAC Contractor hereby agrees to:

Meet or exceed the following service requirements for the maintenance and repair of City of Missoula Facilities (listed above), heating, cooling, and air control systems, including all conditioned space of all listed buildings, stairwells, elevators, all components listed in (Schedule A) of this document, and any future building additions or expansions:

HVAC Contractor hereby agrees to provide the City of Missoula with the following general quality requirements:

1. **KNOWLEDGE OF CONTRACT SPECIFICATIONS:** shall assure all supervisory employees assigned to the contract have sufficient experience and knowledge to fulfill their responsibilities and are knowledgeable of the contract specifications.
2. **PERSONNEL:** shall assure that all employees assigned to perform work on this contract have sufficient skills and/or receive sufficient training in use of equipment, supplies and contract specifications to perform the tasks assigned.
3. **SECURITY:** shall assure that all employees assigned to the contract are not security risks. Employees performing HVAC services in some Police Department areas shall meet or exceed the Police Department security requirements.
4. **EQUIPMENT:** shall assure that the equipment assigned to the performance of this contract shall be sufficient in type and quantity of equipment and the quality and maintenance of the equipment shall be such to ensure efficient performance.
5. **MATERIALS/SUPPLIES:** shall assure that only supplies and chemicals as approved by the Facilities Manager are used on the contract. The supervisor shall assure that all employees are knowledgeable of the chemicals and supplies and will continually monitor their usage and mixing. HVAC Contractor shall ensure that all of his or her employees have current MSDS training.
6. **ASSIGNMENT OF TASKS:** The supervisor assigned to the contract shall assure that all tasks necessary for satisfactory performance on the contract are assigned to appropriate production employees, and that each employee understands the expectation of the contract. It is the responsibility of the HVAC Contractor to ensure that each of his or her employees has the correct current certifications to meet or exceed the local, state, and federal legal and regulatory agency regulations.
7. **IN PROCESS INSPECTION:** During the course of performing the work on the building, the responsible employee shall monitor the performance of all assigned work to ensure that proper methods, equipment, and supplies are being used to achieve the desired results and safety considerations are in place.
8. **END OF JOB WALK THROUGH:** Prior to departing from the building and upon completion of the work, the site supervisor shall walk through the maintained areas to ensure that the assigned work has been completed according to the requirements of the contract.

9. **FORMAL INSPECTION:** A weekly formal walk through inspection shall be performed by the HVAC Contractor or his designee.

10. **CONTACT LIST:** A quarterly (4) four times per year, list of the HVAC Contractor's principals, employees, agents, and subcontractors which the HVAC Contractor anticipates assigning the primary, secondary and support roles for the HVAC Contract. This list shall include a summary of the qualifications, licenses and experience of each individual and the type of work to be performed by each individual. The "CITY" will retain under its agreement with the successful HVAC Contractor the right of approval of all persons performing under the agreement. The contact list should include after hour and emergency "on call" phone numbers.

HVAC Contractor hereby agrees to provide the City of Missoula with the following Performance Requirements:

1. Using manufacturers recommended time intervals and maintenance criterion, create a list monthly, quarterly, annual, and two year Preventative Maintenance schedule and Preventative Maintenance Checklists, hereafter referred to as PM Schedules and PM Checklists respectively.
2. Each PM Checklists and PM Schedule will be presented to the Facilities Manager and or his or her representative prior for review and approval. The PM Check lists and PM Schedules shall include the following:
 - a. A maintenance interval time schedule for each heating and cooling component and system described in attachment B of this document.
 - b. Vibration analysis for the Chillers will be provided at least annually. A vibration analysis report comparing the actual equipment tested against data from similar equipment and a maintenance strategy based on the results found.
 - c. Eddy Current Testing for the Chiller barrels will be provided in at two year intervals at the beginning of contract year 2 and the beginning of contract year 4 and a report will be provide to the City. This report will include maintenance strategies for dealing with the results found in the testing process.
 - d. Oil Analysis for the Chiller barrels will be provided to the City annually. This report will include maintenance strategies for dealing with the results found in the oil analysis.
 - e. Digital Pump Alignment will be provided for the hot water and chilled water pumps annually and report will be provided to the City. This report will include alignment variances found and repairs made to correct tolerances.
 - f. Fan Balancing will be provided annually for AHU-1, AHU-2, AHU-3 (Air Handling Units 1, 2, and 3) and MUA-1 and a report be provided to the City. This repot will include balance variance found and repairs made to correct the tolerances.
 - g. Pneumatic and Digital Controls will be included in Attachment B will be included in the PM checklists and PM Schedules. A service interval and PM Checklist will be provided for each control system.
3. A file will be maintained by the HVAC Contractor (electronic or paper) which the PM intervals and checklist documentation. This file must be available to the Facilities Manager and or his or her designated representative at least monthly.

4. It is the responsibility of the HVAC Contractor to provide full coverage maintenance and repairs to all of the items listed in Attachment B of this contract. Full coverage maintenance and repairs includes timely and proactive response to all maintenance and repairs of the components and controls listed in Attachment B including the coordination and interaction of these components and controls to provide the City with an efficient HVAC system.
5. The HVAC Contractor is responsible for all repairs and maintenance to all listed properties mechanical, HVAC system and system controls. The Contractors responsibility includes all emergency and after hour maintenance and repairs needed to promote a safe comfortable work place for the people using City Hall.
6. The HVAC Contractor will provide an emergency contact number that will always have someone available 24 hours a day, 7 days a week, and 365 days per year.
7. The HVAC Contractor must acknowledged emergency response within fifteen (15) minutes of receiving the call. Emergency repairs must begin within Thirty (30) minutes of receiving notification.
8. It is the HVAC Contractors responsibility to ensure that during maintenance and routine repairs the work sites remain safe. The HVAC Contractor is responsible for all damages and or cleaning costs that are a result of repair and maintenance work.
9. All of the heating, cooling, mechanical and system controls listed on Attachment "C" of the this document and any items replacing or in addition to these components that contribute to or are part of the listed properties heating, cooling, air exchange, and or the system controls are considered to be within the scope of this contract. The HVAC Contractor is responsible for the maintenance and repairs to these components.
10. Once per year, on or before the 15th, of January the HVAC Contractor will provide the City of Missoula with a list of capital repair and replacement items that will need to be repaired or replaced the following year. "Capital repair and replacement items" are items with a value greater than \$1,000 with a life expectancy greater than 5 years that are considered to exceed the scope of routine maintenance.

Special Controls Requirements

1. Must provide extensive knowledge of PNEUMATIC control systems
2. Ability to work with MATASYS systems

FORMAL WEEKLY INSPECTION SYSTEM

1. It is the responsibility of the HVAC Contractor or his designee to ensure that a weekly inspection of all mechanical, heating, cooling and system controls is performed with the Facilities Manager and or his or her designated representative.
2. Records of these inspections will be maintained by the HVAC Contractor and copies will be provided to Facilities Manager and or his or her designated representative.

3. The basis of the inspection shall be compliance with the specifications as stated above within the legal contract for HVAC services.
4. The findings of each inspection shall be recorded in writing. Signed copies of the form will be given to the employee(s), and be available to the Facilities Manager or his designee through the HVAC Contractor or his designee.
5. In the event deficiencies are identified on the weekly inspection, HVAC Contractor shall correct such deficiencies immediately or at a time agreed to by the Facilities Manager or his designee. Upon completion of correcting any deficiencies, the HVAC Contractor shall note the correction and date sign and return a copy of the form to the Facilities Manager and or his or her designee.
6. Contract Inspection Reports will be reviewed by the Prospective Contractor or his designee quarterly to determine if there are any patterns or trends that require additional attention. These trends and a plan to address deficiencies will be documented.
7. Copies of all inspections shall be maintained by the Prospective Contractor or his designee.
8. Prospective Contractor or his designee shall bi-annually provide the City of Missoula with a current list containing names, positions and phone numbers of all relevant contact persons.

III. PAYMENT FOR SERVICES

No invoice shall include federal excise tax, as the City is exempt there from and will furnish certificates of exemptions as needed.

The HVAC Contractor agrees to invoice (bill) the City of Missoula Twelve times per year or Monthly as follows:

Contract year one, July 1st, 2019 through July 1st, 2020, \$ 9,331.75 (dollar amount) per month each month for an annual total not to exceed, \$ 111,981.00 (dollar amount) for this year of professional Service.

Contract year two, July 1st, 2020 through July 1st, 2021, \$ 9,611.70 (dollar amount) per month each month for an annual total not to exceed, \$ 115,340.40 (dollar amount) for this year of professional Service.

Contract year three, July 1st, 2021 through July 1st, 2022, \$ 9,900.05 (dollar amount) per month each month for an annual total not to exceed, \$ 118,800.60 (dollar amount) for this year of professional Service.

Contract year four, July 1st, 2022 through July 1st, 2023, \$ 10,197.06 (dollar amount) per month each month for an annual total not to exceed, \$ 122,364.72 (dollar amount) for this year of professional Service.

Contract year five, July 1st, 2023 through July 1st, 2024, \$ 10,502.97 (dollar amount) per month each month for an annual total not to exceed, \$ 126,035.64 (dollar amount) for this year of professional Service.

The City shall make a good faith effort to pay properly presented, correct, and accurate HVAC Contractor invoices with 20 days of receipt of invoice, but City shall have a full thirty day period as allowed by Montana State law within which to make payment.

IV. MODIFICATION AND WAIVER

This Agreement may not be modified, altered, or changed except pursuant to a written agreement signed by the parties hereto. A waiver of any term or condition of this Agreement or of any breach of this Agreement shall not be deemed a waiver of any other term or condition of this Agreement or any part hereof or of any later breach of the Agreement. Any waiver must be in writing each time a waiver occurs.

V. LICENSE TO DO BUSINESS

Contractors, subcontractors, sub-grantees, and other firms doing business with the City of Missoula or any agency connected with the City of Missoula must obtain or have a valid City of Missoula business license and must comply with applicable business regulation ordinances. No payments shall be made by the City pursuant to this agreement until a valid City business license has been obtained. HVAC Contractor shall continue to retain a valid City business license during the term of this Agreement or the City has the right to withhold payments until such time as a valid City business license is acquired by HVAC Contractor.

VI. AFFIRMATIVE ACTION POLICY

Contractors, subcontractors, sub-grantees, and other firms doing business with the City of Missoula or any agency connected with the City of Missoula must be in compliance with the City of Missoula's Affirmative Action plan and Title 49, MCA, or forfeit the right to continue such business dealings. See Exhibit A, Attachment A.

VII. NON-DISCRIMINATION

As a condition to approving any contract, the City of Missoula requires that the following non-discrimination and affirmative action language be included as a requirement in all contract documents:

NON-DISCRIMINATION. All hiring shall be on the basis of merit and qualification and there shall be no discrimination in employment on the basis of race, ancestry, color, physical or mental disability, religion, national origin, sex, age, marital or familial status, creed, ex-offender status, physical condition, political belief, public assistance status, sexual orientation or gender identity/expression, except where these criteria are reasonable bona fide occupational qualifications.

AFFIRMATIVE ACTION POLICY. Contractors, subcontractors, sub grantees, and other firms doing business with the City of Missoula must be in compliance with the City of Missoula's Affirmative Action Plan, and

Title 49 Montana Codes Annotated, entitled “Human Rights” or forfeit the right to continue such business dealings.

The City’s Affirmative Action Policy Statement is:

The Mayor of the City of Missoula or the Mayor’s designee may adopt an affirmative action plan to provide all persons equal opportunity for employment without regard to race, ancestry, color, handicap, religion, creed, national origin, sex, age, sexual orientation, gender identity or expression or marital status. In keeping with this commitment, we are assigning to all department heads and their staff the responsibility to actively facilitate equal employment opportunity for all present employees, applicants, and trainees. This responsibility shall include assurance that employment decisions are based on furthering the principle of equal employment opportunity by imposing only valid requirements for employment and assuring that all human resource actions are administered on the basis of job necessity.

Specific responsibility for developing, implementing, monitoring and reporting are assigned to the City Personnel staff under the supervision and direction of the Chief Administrative Officer and the Mayor. It is the policy of the City of Missoula to eliminate any practice or procedure that discriminates illegally or has an adverse impact on an “affected” class. Equal opportunity shall be provided for all City employees during their terms of employment. All applicants for City employment shall be employed on the basis of their qualifications and abilities.

The City of Missoula, where practical, shall utilize minority owned enterprises and shall ensure that subcontractors and vendors comply with this policy. Failure of subcontractors and vendors to comply with this policy statement shall jeopardize initial, continued, or renewed funds.

Our commitment is intended to promote equal opportunity in all employment practices and provide a positive program of affirmative action for the City of Missoula, its employees, program participants, trainees and applicants.

VIII. WORKERS COMPENSATION

HVAC Contractor is an independent contractor under Montana State law and hereby certifies that HVAC Contractor is covered by a Workers’ Compensation insurance program with the State of Montana, a private insurance carrier, or an approved self-insurance plan in accordance with Montana State law and that the City has no liability for HVAC Contractor’s workers’ compensation insurance or claims.

VIII. LIABILITY INSURANCE

HVAC Contractor hereby certifies that it has and shall maintain during the time period of this Agreement, liability insurance in the minimum amount of \$750,000.00 per claimant and \$1,500,000.00 per occurrence that includes liability for accidents occurring during delivery or at the delivery site that are attributable to the HVAC Contractor or its agents’ conduct.

X. PREVIOUS AGREEMENTS

This Agreement constitutes the entire understanding of the parties and is intended as a final expression of their agreement and a complete statement of the terms thereof. There are no promises, terms, conditions, or obligations, other than contained herein. This Agreement shall supersede all previous communications, representations, or agreements, either oral or written, between the parties.

XI. ARBITRATION

This Agreement is subject to the provisions of the Montana Uniform Arbitration Act, Section 27-5-111, and MCA Et. Seq.

XII. TERMINATION PRIOR TO COMPLETION OF CONTRACT

The HVAC Contractor and the City shall both have the ability to terminate this agreement for cause or for non-compliance with any of the terms, conditions, and requirements contained herein. Such termination shall come only after first giving a verbal demand for compliance followed by a written demand. Termination shall be allowed on the tenth City business day following receipt by either party of the other part's written demand.

XIII. TERM OF AGREEMENT

This Agreement shall be in force and effect from July 1, 2019 through June 30, 2024 unless terminated in writing by mutual agreement of the City and HVAC Contractor.

IN WITNESS WHEREOF, the parties have hereunto set their hands and seals on the day and year in this certificate first hereinabove written.

Johnson Controls Inc.
Name,
Title,

CITY OF MISSOULA:

Mayor John Engen

ATTEST:

Martha L. Rehbein
City Clerk

APPROVED AS TO FORM:

Jim Nugent
City Attorney

STATE OF MONTANA
County of Missoula

On this _____ day of _____, 201____, before me, the undersigned, a Notary of the Public for the State of Montana, personally appeared "name, name", "Title" of the "HVAC Contractors" Company, known to me to be the person whose name is subscribed to the within instrument and acknowledged to me that he executed the same.

IN WITNESS WHEREOF, I have hereunto set by hand and affixed my Notarial Seal, the day and year first above written.

Notary Public for the State of Montana
Residing at Missoula, Montana
My Commission Expires _____

1. City Hall	\$63186.30
2. City Council Chambers	\$3214.30
3. Vehicle Maintenance/Streets Maintenance	\$5842.64
4. Police Evidence Building	\$4627.52
5. Currents	\$12359.48
6. Missoula Art Museum	\$16584.64
7. Parks Department	\$6166.12



City of Missoula, Montana
Item to be Referred to City Council Committee

Committee: Public Works

Item: Higgins Ave. Bridge Rehabilitation—Hip Strip Plaza & West Stair Feasibility Studies and Design Modifications Project

Date: July 30, 2019

Sponsor(s): Jeremy Keene

Prepared by: Lori Hart

Ward(s) Affected:

- | | |
|--|---------------------------------|
| <input checked="" type="checkbox"/> Ward 1 | <input type="checkbox"/> Ward 4 |
| <input type="checkbox"/> Ward 2 | <input type="checkbox"/> Ward 5 |
| <input checked="" type="checkbox"/> Ward 3 | <input type="checkbox"/> Ward 6 |
| <input type="checkbox"/> All Wards | <input type="checkbox"/> N/A |

Action Required:

Approve a professional services agreement with HDR Engineering, Inc. for the Higgins Ave. Bridge Rehabilitation—Hip Strip Plaza & West Stair Feasibility Studies and Design Modifications Project.

Recommended Motion(s):

I move the City Council: Approves and authorizes the Mayor to sign a professional services agreement with HDR Engineering, Inc. for the Higgins Ave. Bridge Rehabilitation—Hip Strip Plaza & West Stair Feasibility Studies and Design Modifications Project at a cost not to exceed \$39,625.60.

Timeline:

Referral to committee:	August 5, 2019
Committee discussion:	August 7, 2019
Council action (or sets hearing):	N/A
Public Hearing:	N/A
Deadline:	N/A

Background and Alternatives Explored:

The City wishes to hire HDR Engineering, Inc. to perform two feasibility studies that may result in plan and design changes on the Higgins Avenue Bridge Rehabilitation Project:

1. Modify the 3rd Street Plaza, including grading, ADA compliance, utility conflict avoidance, and cost.
2. Modify and relocate the existing west stair on the Higgins Ave. Bridge that connects to Caras Park.

If one or both of the studies is deemed feasible, this agreement would also allow the City to move forward with HDR to revise current Higgins Avenue Bridge Rehabilitation Project design and plans to include the modifications.

Financial Implications:

This project will be funded with Transportation Impact Fees and a private contribution from an adjacent property owner.

Links to external websites:

PROFESSIONAL SERVICES AGREEMENT

Higgins Ave. Bridge Rehabilitation Project—Hip Strip Plaza & West Stair Feasibility Studies and Design Modifications

This Agreement is made and entered into August 12, 2019, between the **CITY OF MISSOULA, MONTANA**, a municipal corporation organized and existing under the laws of the State of Montana, 435 Ryman St., Missoula, MT 59802-4297, referred to here as “City,” and **HDR Engineering, Inc.**, 700 SW Higgins Ave., Suite 200, Missoula, MT 59803, referred to here as “Consultant.”

In consideration of the mutual covenants and agreements contained here, the receipt and sufficiency of the same being acknowledged, the parties agree as follows:

- 1. Purpose:** City agrees to hire Consultant as an independent contractor to perform services for City described in the Scope of Work and Engineering Fee Estimate, attached as Exhibit A, and by reference made a part of this agreement.
- 2. Effective Date:** This agreement is effective on the date of its execution.
- 3. Scope of Work/Task Deadlines:** Consultant will perform the work and provide the services in accordance with the requirements of Exhibit A.
- 4. Payment:** City agrees to pay Consultant an amount not to exceed **Thirty-Nine Thousand, Six Hundred Twenty-Five and 60/100 Dollars (\$39,625.60)** for services performed pursuant to the Scope of Services. Any alteration or deviation from the described work that involves extra costs will be performed by Consultant after written request by the City and will become an extra charge over and above the agreement amount. The parties must agree in writing upon any extra charges.
- 5. Independent Contractor Status:** The parties agree that Consultant, is an independent contractor for purposes of this agreement and the parties agree that Consultant is and shall be an independent contractor when performing services pursuant to this agreement. Consultant is not subject to the terms and provisions of the City’s personnel policies handbook and may not be considered a City employee for workers’ compensation or any other purpose. Consultant is not authorized to represent the City or otherwise bind the City in any dealings between Consultant and any third parties.

Consultant shall comply with the applicable requirements of the Workers’ Compensation Act, Title 39, Chapter 71, MCA, and the Occupational Disease Act of Montana, Title 39, Chapter 71, MCA. Consultant shall maintain workers’ compensation coverage for all members and employees of Consultant’s business, except for those members who are exempted by law.

Consultant shall furnish the City with copies showing one of the following: (1) a binder for workers’ compensation coverage by an insurer licensed and authorized to provide workers’

compensation insurance in the State of Montana; or (2) proof of exemption from workers' compensation granted by law for independent contractors.

6. Indemnity and Insurance: For other than professional services rendered, to the fullest extent permitted by law, Consultant agrees to defend, indemnify, and hold the City harmless against claims, demands, suits, damages, losses, and expenses connected therewith that may be asserted or claimed against, recovered from or suffered by the City by reason of any injury or loss, including but not limited to, personal injury, including bodily injury or death, property damage, occasioned by, growing out of, or in any way arising or resulting from any intentional or negligent act on the part of Consultant or Consultant's agents or employees.

For the professional services rendered, to the fullest extent permitted by law, Consultant agrees to indemnify and hold the City harmless against claims, demands, suits, damages, losses, and expenses, including reasonable defense attorney fees, to the extent caused by the negligence or willful misconduct of the Consultant or Consultant's agents or employees.

For this purpose, Consultant shall provide City with proof of Consultant's liability insurance issued by a reliable company or companies for personal injury and property damage in amounts not less than as follows:

- Workers' Compensation—statutory
- Employers' Liability—\$1,000,000 per occurrence; \$2,000,000 annual aggregate
- Commercial General Liability—\$1,000,000 per occurrence; \$2,000,000 annual aggregate
- Automobile Liability—\$1,000,000 property damage/bodily injury; \$2,000,000 annual aggregate
- Professional Liability—\$1,000,000 per claim; \$2,000,000 annual aggregate

City shall be included or named as an additional or named insured on the Commercial General and Automobile Liability policies. The insurance must be in a form suitable to City.

7. Professional Service: Consultant agrees that all services and work performed under this agreement will be accomplished in a professional manner.

8. Compliance with Laws: Consultant agrees to comply with all federal, state and local laws, ordinances, rules and regulations. Consultant agrees to purchase a City business license.

9. Nondiscrimination and Affirmative Action: Consultant agrees and shall comply with the following Non-Discrimination and Affirmative Action policies:

NON-DISCRIMINATION. All hiring shall be on the basis of merit and qualification and there shall be no discrimination in employment on the basis of race, ancestry, color, physical or mental disability, religion, national origin, sex, age, marital or familial status, creed, ex-offender status, physical condition, political belief, public assistance status, sexual orientation, or gender identity/expression, except where these criteria are reasonable bona fide occupational qualifications.

AFFIRMATIVE ACTION POLICY. Contractors, subcontractors, sub grantees, and other firms doing business with the City of Missoula must be in compliance with the City of Missoula's Affirmative Action Plan, and Title 49 Montana Codes Annotated, entitled "Human Rights" or forfeit the right to continue such business dealings.

The City's Affirmative Action Policy Statement is:

The Mayor of the City of Missoula or the Mayor's designee may adopt an affirmative action plan to provide all persons equal opportunity for employment without regard to race, ancestry, color, handicap, religion, creed, national origin, sex, age, sexual orientation, gender identity or expression, or marital status. In keeping with this commitment, we are assigning to all department heads and their staff the responsibility to actively facilitate equal employment opportunity for all present employees, applicants, and trainees. This responsibility shall include assurance that employment decisions are based on furthering the principle of equal employment opportunity by imposing only valid requirements for employment and assuring that all human resource actions are administered on the basis of job necessity.

Specific responsibility for developing, implementing, monitoring and reporting are assigned to the City Personnel staff under the supervision and direction of the Chief Administrative Officer and the Mayor.

It is the policy of the City of Missoula to eliminate any practice or procedure that discriminates illegally or has an adverse impact on an "affected" class. Equal opportunity shall be provided for all City employees during their terms of employment. All applicants for City employment shall be employed on the basis of their qualifications and abilities.

The City of Missoula, where practical, shall utilize minority owned enterprises and shall ensure that subcontractors and vendors comply with this policy. Failure of subcontractors and vendors to comply with this policy statement shall jeopardize initial, continued, or renewed funds.

Our commitment is intended to promote equal opportunity in all employment practices and provide a positive program of affirmative action for the City of Missoula, its employees, program participants, trainees and applicants.

10. Default and Termination: If either party fails to comply with any condition of this agreement at the time or in the manner provided for, the other party, at its option, may terminate this agreement and be released from all obligations if the default is not cured within ten (10) days after written notice is provided to the defaulting party. Said notice shall set forth the items to be cured. Additionally, the non-defaulting party may bring suit for damages, specific performance, and any other remedy provided by law. These remedies are cumulative and not exclusive. Use of one remedy does not preclude use of the others. Notices shall be provided in writing and hand-delivered or mailed to the parties at the addresses set forth in the first paragraph of this agreement.

11. Modification and Assignability: This document contains the entire agreement between the parties and no statements, promises or inducements made by either party or agents of either

party, which are not contained in this written agreement, may be considered valid or binding. This agreement may not be enlarged, modified or altered except by written amendment signed by both parties hereto. The Consultant may not subcontract or assign Consultant's rights, including the right to compensation or duties arising under this agreement, without the prior written consent of City. Any subcontractor or assignee will be bound by all of the terms and conditions of this agreement.

12. Ownership and Publication of Materials: All reports, information, data, and other materials prepared by the Consultant pursuant to this agreement are the property of the City. The City has the exclusive and unrestricted authority to release, publish or otherwise use, in whole or part, information relating thereto. Any re-use without written verification or adaptation by the Consultant for the specific purpose intended will be at the City's sole risk and without liability or legal exposure to the Consultant. No material produced in whole or in part under this agreement may be copyrighted or patented in the United States or in any other country without the prior written approval of the City.

13. Liaison: City's designated liaison with Consultant is Jeremy Keene and Consultant's designated liaison with City is Dustin Hirose.

14. Applicability: This agreement and any extensions of it shall be governed and construed in accordance with the laws of the State of Montana.

WITNESS, the parties here have executed this instrument the day and year first above written.

CONSULTANT:
HDR Engineering, Inc.

MAYOR
City of Missoula, Montana

John Engen

ATTEST:

APPROVED AS TO FORM AND CONTENT:

Martha L. Rehbein, CMC, City Clerk

Jim Nugent, City Attorney

(SEAL)



Introduction

The following scope of work is to perform feasibility studies for two alternate design concepts for the Higgins Avenue Bridge Project (STPB 8113(8), UPN 8807000) and if accepted by the City and MDT, implement those concepts into the contract plans.

Work will be performed to complete each task up to the contract amount unless otherwise approved by HDR and the City. This is a cost plus fixed fee contract.

Scope of Work

Task 1: Hip Strip Plaza Feasibility

Description of Work: Evaluate the feasibility of design modifications to the 3rd Street Plaza, including grading, ADA compliance, utility conflict avoidance, and cost. City Public Works will provide design direction based on the conceptual plan provided by Ken Duce of the Urban Renewal Associations (URA). Deliverable: Feasibility Memo and Comparative Cost Estimates

Tasks:

- 1.01 Project Management. Coordinate work with staff, track project budget, and invoicing.
- 1.02 Feasibility Study. Evaluate the proposed design modifications and potentially modify the proposed changes to fit the site conditions. Prepare a cost estimate and compare to the current design concept cost. Prepare a preliminary design concept exhibit. Evaluate pros/cons and summarize in a brief memo.

Assumptions:

- Detailed renderings of the design concept are not included in the scope but can be added by amendment.
- City will provide direction on boulevard widths, landscaping, and other design features.
- Curb and gutter layout along Higgins Avenue will not be modified with the 3rd Street Plaza design.

Deliverables:

1. Feasibility Memo and Comparative Cost Estimates (Electronic .pdf)

Task 2: West Stair Feasibility

Description of Work: Evaluate the feasibility of design modifications to relocate the existing west stair connecting to Caras Park, including foundation design, grading, ADA compliance, utility conflict avoidance, park impacts, and cost. The intent is to replace the existing foundations and move the existing stairs with minimal modifications.

Tasks:

- 2.01 Project Management. Coordinate work with staff, track project budget, and invoicing.
- 2.02 Feasibility Study. Evaluate the proposed design modification to relocate existing stairs to the west in lieu of the current concept to replace the stairs. Prepare a cost estimate and compare to the current design concept cost. Prepare a preliminary design concept exhibit. Evaluate pros/cons and summarize in a brief memo.

Assumptions:

- The new stair foundations will be similar to the existing. Geotechnical recommendations for the foundations are not included in the feasibility study.



- Landscaping design for modifications to Caras Parks are not included in the scope.
- Structural evaluation of the existing staircase is not included.
- Detailed rendering for the new design concept are not included in the scope but can be added by amendment.

Deliverables:

1. Feasibility Memo and Comparative Cost Estimates (Electronic .pdf)

Task 3: Hip Strip Plaza Revisions

Description of Work: Pending the results of the feasibility study and direction from MDT and the City, revise the current design and plans to incorporate the concept proposed by the City.

Tasks:

- 3.01 Project Management. Coordinate work with staff, track project budget, and invoicing.
- 3.02 Revise the Design & Plans. Revise the MDT contract plans for the updated design concept. Finalize grades, drainage design, plan details, quantities, cost estimates, and special provisions. Incorporate minor comments from MDT/City review prior to release of the addendum.

Assumptions:

- Curb and gutter layout along Higgins Avenue will not be modified with the 3rd Street Plaza design.
- Up to 5 plan sheets would be significantly impacted to implement this change.
- Updated plans would be due on September 20, 2019.

Deliverables:

1. Revised Plans, Specifications, and Estimate. (Electronic .pdf)

Task 4: West Stair Plan Revisions

Description of Work: Pending the results of the feasibility study and direction from MDT and the City, revise the current design and plans to incorporate the concept proposed by the City.

Tasks:

- 4.01 Project Management. Coordinate work with staff, track project budget, and invoicing.
- 4.02 Revise the Design & Plans. Revise the MDT contract plans for the updated design concept. Finalize grades, plan details, quantities, cost estimates, and special provisions. Incorporate minor comments from MDT/City review prior to release of the addendum.

Assumptions:

- Up to 5 plan sheets would be impacted to implement this change.
- Structural evaluation and design of the existing staircase is not included. It is assumed the existing staircase is adequately designed.
- Geotechnical design is not included. The new foundations will match the existing design and be built on similar soil conditions.
- Updated plans would be due on September 20, 2019.

Deliverables:

1. Revised Plans, Specifications, and Estimate. (Electronic .pdf)



City of Missoula
Higgins Ave Bridge Rehab - Missoula
Feasibility Study and Design Revisions



July 30, 2019

HDR Cost Estimate - Task 1, 2, 3, and 4

Work Item	Project Manager	Project Engineer	CAD	QAQC	Accounting & Admin
Task 1: Hip Strip Feasibility Study					
1.01 - Project Management	4				2
1.02 - Feasibility Study	2	40	16	4	
Subtotal	6	40	16	4	2
Task 2: West Stair Feasibility Study					
2.01 - Project Management	4				1
2.02 - Feasibility Study	2	24	16	2	
Subtotal	6	24	16	2	1
Task 3: Hip Strip Plaza Plan Revisions					
3.01 - Project Management	8				2
3.02 - Revise Design and Plans		44	60	5	
Subtotal	8	44	60	5	2
Task 4: West Stair Plan Revisions					
4.01 - Project Management	4				1
4.02 - Revise Design and Plans		20	28	2	
Subtotal	4	20	28	2	1
Total Hours (291)	24	128	120	13	6

DIRECT COST SUMMARY

Personnel	Hours	Rate *	Extension
Project Manager	24	\$ 211.20	\$ 5,068.80
Project Engineer	128	\$ 153.60	\$ 19,660.80
CAD	120	\$ 96.00	\$ 11,520.00
QAQC	13	\$ 208.00	\$ 2,704.00
Accounting & Admin	6	\$ 112.00	\$ 672.00
* Includes Overhead & Profit			TOTAL DIRECT LABOR COST \$ 39,625.60

DIRECT NONLABOR SUMMARY

Miscellaneous (Mylars, telephone, postage, copies, photos, etc.)					\$100.00
Computer	Hours		Per Hour	\$0.00	
Travel (Airlines/meals/lodging)	Trips		Per Trip		
Mileage	Miles		Per Mile	0.545	
TOTAL DIRECT NONLABOR					\$100.00

OUTSIDE SERVICES AND SUBCONTRACTS

Geotechnical	
Survey	
Architect	
Materials Testing	
TOTAL OUTSIDE SERVICES AND SUBCONTRACTS	

RECAPITULATION

Total Labor/ Overhead/Profit	\$ 39,625.60
Total Direct NonLabor	\$ 100.00
Total Outside Services & Subcontracts	\$ 0.00
TOTAL ESTIMATED COST	\$ 39,725.60



July 30, 2019

HDR Cost Estimate - Task 1

Work Item	Project Manager	Project Engineer	CAD	QAQC	Accounting & Admin
Task 1: Hip Strip Feasibility Study					
1.01 - Project Management	4				2
1.02 - Feasibility Study	2	40	16	4	
Total Hours (68)	6	40	16	4	2

DIRECT COST SUMMARY

Personnel	Hours	Rate *	Extension
Project Manager	6	\$ 211.20	\$ 1,267.20
Project Engineer	40	\$ 153.60	\$ 6,144.00
CAD	16	\$ 96.00	\$ 1,536.00
QAQC	4	\$ 208.00	\$ 832.00
Accounting & Admin	2	\$ 112.00	\$ 224.00
* Includes Overhead & Profit			
TOTAL DIRECT LABOR COST			\$ 10,003.20

DIRECT NONLABOR SUMMARY

Miscellaneous (Mylars, telephone, postage, copies, photos, etc.)					\$25.00
Computer	Hours		Per Hour	\$0.00	
Travel (Airlines/meals/lodging)	Trips		Per Trip		
Mileage	Miles		Per Mile	0.545	
TOTAL DIRECT NONLABOR					\$25.00

OUTSIDE SERVICES AND SUBCONTRACTS

Geotechnical	
Survey	
Architect	
Materials Testing	
TOTAL OUTSIDE SERVICES AND SUBCONTRACTS	

RECAPITULATION

Total Labor/ Overhead/Profit	\$ 10,003.20
Total Direct NonLabor	\$ 25.00
Total Outside Services & Subcontracts	\$ 0.00
TOTAL ESTIMATED COST	
	\$ 10,028.20



July 30, 2019

HDR Cost Estimate - Task 2

Work Item	Project Manager	Project Engineer	CAD	QAQC	Accounting & Admin
Task 2: West Stair Feasibility Study					
2.01 - Project Management	4				1
2.02 - Feasibility Study	2	24	16	2	
Total Hours (49)	6	24	16	2	1

DIRECT COST SUMMARY

Personnel	Hours	Rate *	Extension
Project Manager	6	\$ 211.20	\$ 1,267.20
Project Engineer	24	\$ 153.60	\$ 3,686.40
CAD	16	\$ 96.00	\$ 1,536.00
QAQC	2	\$ 208.00	\$ 416.00
Accounting & Admin	1	\$ 112.00	\$ 112.00
TOTAL DIRECT LABOR COST			\$ 7,017.60

DIRECT NONLABOR SUMMARY

Miscellaneous (Mylars, telephone, postage, copies, photos, etc.)					\$25.00
Computer	Hours		Per Hour	\$0.00	
Travel (Airlines/meals/lodging)	Trips		Per Trip		
Mileage	Miles		Per Mile	0.545	
* Includes Overhead & Profit					
TOTAL DIRECT NONLABOR					\$25.00

OUTSIDE SERVICES AND SUBCONTRACTS

Geotechnical	
Survey	
Architect	
Materials Testing	
TOTAL OUTSIDE SERVICES AND SUBCONTRACTS	

RECAPITULATION

Total Labor/ Overhead/Profit	\$ 7,017.60
Total Direct NonLabor	\$ 25.00
Total Outside Services & Subcontracts	\$ 0.00
TOTAL ESTIMATED COST	
	\$ 7,042.60



City of Missoula
Higgins Ave Bridge Rehab - Missoula
Feasibility Study and Design Revisions



July 30, 2019

HDR Cost Estimate - Task 3

Work Item	Project Manager	Project Engineer	CAD	QAQC	Accounting & Admin
Task 3: Hip Strip Plaza Plan Revisions					
3.01 - Project Management	8				2
3.02 - Revise Design and Plans		44	60	5	
Total Hours (119)	8	44	60	5	2

DIRECT COST SUMMARY

Personnel	Hours	Rate *	Extension
Project Manager	8	\$ 211.20	\$ 1,689.60
Project Engineer	44	\$ 153.60	\$ 6,758.40
CAD	60	\$ 96.00	\$ 5,760.00
QAQC	5	\$ 208.00	\$ 1,040.00
Accounting & Admin	2	\$ 112.00	\$ 224.00
* Includes Overhead & Profit			
TOTAL DIRECT LABOR COST			\$ 15,472.00

DIRECT NONLABOR SUMMARY

Miscellaneous (Mylars, telephone, postage, copies, photos, etc.)					\$25.00
Computer	Hours		Per Hour	\$0.00	
Travel (Airlines/meals/lodging)	Trips		Per Trip		
Mileage	Miles		Per Mile	0.545	
TOTAL DIRECT NONLABOR					\$25.00

OUTSIDE SERVICES AND SUBCONTRACTS

Geotechnical	
Survey	
Architect	
Materials Testing	
TOTAL OUTSIDE SERVICES AND SUBCONTRACTS	

RECAPITULATION

Total Labor/ Overhead/Profit	\$ 15,472.00
Total Direct NonLabor	\$ 25.00
Total Outside Services & Subcontracts	\$ 0.00
TOTAL ESTIMATED COST	
	\$ 15,497.00



July 30, 2019

HDR Cost Estimate - Task 4

Work Item	Project Manager	Project Engineer	CAD	QAQC	Accounting & Admin
Task 4: West Stair Plan Revisions					
4.01 - Project Management	4				1
4.02 - Revise Design and Plans		20	28	2	
Total Hours (55)	4	20	28	2	1

DIRECT COST SUMMARY

Personnel	Hours	Rate *	Extension
Project Manager	4	\$ 211.20	\$ 844.80
Project Engineer	20	\$ 153.60	\$ 3,072.00
CAD	28	\$ 96.00	\$ 2,688.00
QAQC	2	\$ 208.00	\$ 416.00
Accounting & Admin	1	\$ 112.00	\$ 112.00
* Includes Overhead & Profit			TOTAL DIRECT LABOR COST \$ 7,132.80

DIRECT NONLABOR SUMMARY

Miscellaneous (Mylars, telephone, postage, copies, photos, etc.)					\$25.00
Computer	Hours		Per Hour	\$0.00	
Travel (Airlines/meals/lodging)	Trips		Per Trip		
Mileage	Miles		Per Mile	0.545	
TOTAL DIRECT NONLABOR					\$25.00

OUTSIDE SERVICES AND SUBCONTRACTS

Geotechnical	
Survey	
Architect	
Materials Testing	
TOTAL OUTSIDE SERVICES AND SUBCONTRACTS	

RECAPITULATION

Total Labor/ Overhead/Profit	\$ 7,132.80
Total Direct NonLabor	\$ 25.00
Total Outside Services & Subcontracts	\$ 0.00
TOTAL ESTIMATED COST	\$ 7,157.80