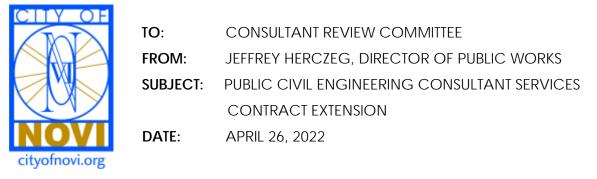
MEMORANDUM



The City uses three pre-qualified consultants, under a common fee schedule, to provide professional civil engineering services for public projects. The design phase and construction phase services provided by these consultants are necessary for the implementation of the City's Capital Improvement Program. The current agreements for public projects that were awarded on December 18, 2017, to AECOM-Great Lakes, OHM Advisors, and Spalding DeDecker will expire on December 18, 2022.

With today's economic uncertainty regarding services and their related costs, staff recommends taking advantage of the existing agreements with these three firms. The Novi-specific knowledge and experience these firms have gained over the last 10 years provides a tremendous benefit to staff members who interact with them daily. Therefore, the Engineering Division approached each of the engineering firms with a proposal to extend their current contracts for another five years (or until December 18, 2027).

This proposal was initiated by offering each firm the opportunity to revisit the current 2017-2022 Fee Schedule (attached as Exhibit A) and provide updated fixed percentages and costs as it reasonably relates to current conditions and inflation rates. Generally, all three firms returned with requested fee changes in relatively close approximation to each other, with a few notable exceptions discussed below. Staff averaged the cell values of each firm's submission and round up to the nearest one-quarter percent (0.25%). This resulted in the averaged and rounded Proposed Fee Schedule attached as Exhibit B.

A comparison analysis between the Current (Exhibit A) and Proposed (Exhibit B) fee schedules is also provided as Exhibit C. As can be seen in the percentage table, there was No Change ('NC') requested from all three firms to the design phase percentage, except for the two highest construction value ranges and to the design phase for the Non-Motorized category. Also, most construction phase percentages only went up one-quarter percent (0.25%), except for Road Reclamation, Road Rehabilitation, Non-Motorized, and Traffic Signals, which is primarily due to outside agency coordination. All three consultants requested an increase factor of 0.5% in design and 0.75% in construction when a project involves Michigan Department of Transportation (MDOT) Local Agency Program procedures and dollars, due to significant coordination efforts needed when preparing and finalizing MDOT documents and paperwork.

Exhibit C also shows the difference between the current and proposed agreements. All increases in fixed fees are within the expected range and are considered normal for increases since 2017. One notable increase is the amount of money collected by each consultant for one "Crew Day" or "Inspector Day" which went up \$100 per crew day from \$700 per crew day (proposed crew day rate is now \$800 per crew day).

We are addressing the extension early to provide staff sufficient time to go back out publicly with a new *Request for Qualifications and Proposals* prior to expiration, should that be the Committee's direction. It is the opinion of the Department of Public Works that these three consulting firms are the best and most capable to provide sound design and construction phase services for the City of Novi, at very reasonable rates. Staff recommends the revised common fee schedule for the three pre-qualified consultants as shown in Exhibit B.

Please let us know if there are any questions or if you require additional information for consideration.

EXHIBIT "A" - CURRENT 2017-2022

ENGINEERING FEE SCHEDULE

				ROAD RECONSTRUCTION		ROAD REC	ROAD RECLAMATION		BILITATION	NON-MOTORIZED (SIDEWALKS, PATHWAYS & TRAILS)	
	COS CONSTR From			Design Phase (% Construction)	Contract Admin (% Construction)	Design Phase (% Construction)	Contract Admin (% Construction)	Design Phase (% Construction)	Contract Admin (% Construction)	Design Phase (% Construction)	Contract Admin (% Construction)
\$	-	\$	50,000	12.25%	8.75%	11.75%	8.25%	10.75%	7.25%	14.50%	9.25%
\$	50,001	\$	75,000	12.00%	8.25%	11.50%	8.00%	10.00%	7.00%	13.75%	8.75%
\$	75,001	\$	100,000	11.50%	8.25%	11.00%	7.75%	9.50%	7.00%	13.50%	8.50%
\$	100,001	\$	125,000	11.00%	8.00%	10.25%	7.50%	9.00%	6.50%	13.00%	8.25%
\$	125,001	\$	150,000	10.50%	8.00%	9.75%	7.50%	8.75%	6.25%	12.50%	7.75%
\$	150,001	\$	200,000	10.00%	8.00%	9.50%	7.50%	8.50%	6.25%	12.00%	7.75%
\$	200,001	\$	300,000	9.75%	7.50%	9.00%	7.00%	8.00%	5.75%	10.75%	7.25%
\$	300,001	\$	400,000	9.25%	7.50%	8.50%	6.75%	7.50%	5.50%	10.00%	7.25%
\$	400,001	\$	500,000	8.75%	7.00%	8.00%	6.25%	7.00%	5.00%	9.50%	7.25%
\$	500,001	\$	750,000	8.00%	6.75%	7.00%	5.75%	6.25%	4.25%	9.00%	7.00%
\$	750,001	\$	1,000,000	7.25%	6.25%	6.50%	5.25%	5.50%	3.50%	8.50%	6.25%
\$	1,000,001	\$	2,000,000	6.50%	5.50%	6.00%	4.50%	5.00%	3.00%	8.00%	5.75%
\$	2,000,001	an	d greater	6.25%	4.75%	5.50%	4.00%	4.50%	2.75%	7.50%	5.00%

		WATER MAIN CONSTRUCTION					UND UTILITY LITATION	TRAFFIC SIGNALS			
	COS CONSTR From			Design Phase (% Construction)	Contract Admin (% Construction)						
\$	-	\$	50,000	11.50%	8.75%	12.25%	8.75%	10.00%	7.00%	14.50%	7.50%
\$	50,001	\$	75,000	11.00%	8.25%	11.75%	8.25%	9.25%	6.75%	13.50%	7.00%
\$	75,001	\$	100,000	10.25%	8.00%	11.25%	8.00%	8.75%	6.75%	11.25%	7.00%
\$	100,001	\$	125,000	9.75%	7.50%	11.00%	7.50%	8.25%	6.25%	10.25%	6.75%
\$	125,001	\$	150,000	9.25%	7.25%	10.50%	7.50%	7.50%	6.25%	9.00%	6.50%
\$	150,001	\$	200,000	8.50%	7.00%	10.00%	7.00%	7.00%	6.25%	8.25%	6.00%
\$	200,001	\$	300,000	8.00%	6.75%	9.50%	6.75%	6.25%	5.75%	7.50%	5.75%
\$	300,001	\$	400,000	7.50%	6.75%	9.25%	6.75%	5.75%	5.50%	7.00%	5.50%
\$	400,001	\$	500,000	7.50%	6.75%	9.00%	6.75%	5.00%	5.00%	6.50%	5.50%
\$	500,001	\$	750,000	7.00%	6.00%	8.75%	6.00%	4.50%	4.75%	6.00%	5.00%
\$	750,001	\$ 1	1,000,000	6.75%	5.50%	8.50%	5.50%	4.25%	4.50%	5.50%	5.00%
\$1,	000,001	\$ 2	2,000,000	6.50%	5.00%	8.00%	5.00%	4.00%	4.00%	5.00%	4.50%
\$ 2,	000,001	an	d greater	6.25%	4.50%	7.75%	4.50%	3.75%	3.50%	4.75%	4.50%

Other types of Work:	Per/Costs	
Legal Descriptions and Exhibits	670	per property in addition to those included in base scope
Survey Crew (for miscellaneous work)	155	per hour all inclusive
Biennial Bridge Inspections (per MDOT requirements)	850	per bridge (ten bridges total)
Dam Inspections (per MDEQ/MDNR requirements)	1025	per dam (four regulated dams total)
PASER Pavement Management (map and ranking update)	6700	per year (City-wide for all publicly owned roadways)
Concrete Panel Replacement (CPR) Program Prioritization	6500	per year (City-wide for all publicly owned residential streets)
Non-Motorized Pathway Management & Maintenance Plan	7600	per year (City-wide within publicly owned right-of-ways)
* Grant Writing (research, writing, reporting & applying)	110	per hour all inclusive
Parking Lot Management & Maintenance Plan Update	5200	per year (City-owned parking lots)
* General Consulting (for miscellaneous work)	115	per hour all inclusive
Inspection Crew Day (per Exhibit B requirements)	700	per crew day

 Notes:

 1. Design fees are determined by multiplying the construction cost estimate by the % fee shown in the above tables.

 2. Contract Administration fees are determined by multiplying the contractor's bid by the % fee shown in the above tables.

 3. Inspection fees are determined by multiplying the number of crew days provided by the contractor in the bid by the cost per crew day as defined above.

 4. See the Request for Proposals and Request for Qualifications regarding the specific scope of services included under each fee and for any exclusions (i.e. work performed by City staff as part of the project).

 5. All percentages and fees shall be considered 'all-inclusive'.

 6. * Depending on consultant staff expertise needed, fee may be increased at the discretion of the City Engineer.

EXHIBIT "B" - PROPOSED 2022-2027

FIRM NAME:

ENGINEER	ING	FEES
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				ROAD RECONSTRUCTION		ROAD RECLAMATION		ROAD REH	ABILITATION	NON-MOTORIZED (SIDEWALKS, PATHWAYS & TRAILS)	
	COST OF CO From	NSTR	UCTION To	Design Phase (% Construction)	Contract Admin (% Construction)	Design Phase (% Construction)	Contract Admin (% Construction)	Design Phase (% Construction)	Contract Admin (% Construction)	Design Phase (% Construction)	Contract Admin (% Construction)
\$	-	\$	50,000	12.25%	9.00%	11.75%	8.75%	10.75%	8.00%	14.75%	10.25%
\$	50,001	\$	75,000	12.00%	8.50%	11.50%	8.25%	10.00%	7.75%	14.25%	9.75%
\$	75,001	\$	100,000	11.50%	8.50%	11.00%	8.25%	9.50%	7.75%	14.00%	9.50%
\$	100,001	\$	125,000	11.00%	8.25%	10.25%	8.00%	9.00%	7.25%	13.50%	9.25%
\$	125,001	\$	150,000	10.50%	8.25%	9.75%	8.00%	8.75%	7.00%	13.00%	9.00%
\$	150,001	\$	200,000	10.00%	8.25%	9.50%	8.00%	8.50%	7.00%	12.50%	9.00%
\$	200,001	\$	300,000	9.75%	7.75%	9.00%	7.25%	8.00%	6.50%	11.25%	8.25%
\$	300,001	\$	400,000	9.25%	7.75%	8.50%	7.25%	7.75%	6.25%	10.50%	8.25%
\$	400,001	\$	500,000	8.75%	7.25%	8.00%	6.75%	7.00%	5.75%	10.00%	8.25%
\$	500,001	\$	750,000	8.00%	7.00%	7.00%	6.25%	6.25%	5.00%	9.50%	8.00%
\$	750,001	\$	1,000,000	7.25%	6.50%	6.50%	5.75%	5.50%	4.25%	9.00%	7.25%
\$ ·	1,000,001	\$ 2	2,000,000	6.75%	5.75%	6.00%	5.25%	5.25%	3.75%	8.50%	6.75%
\$ 2	2,000,001	an	d greater	6.50%	5.00%	5.50%	4.50%	4.75%	3.50%	8.00%	6.00%

		WATER MAIN CONSTRUCTION		SANITARY/STORM SEWER CONSTRUCTION			UND UTILITY	TRAFFIC	TRAFFIC SIGNALS		
COST C Fro			UCTION To	Design Phase (% Construction)	Contract Admin (% Construction)	Design Phase (% Construction)	Contract Admin (% Construction)	Design Phase (% Construction)	Contract Admin (% Construction)	Design Phase (% Construction)	Contract Admin (% Construction)
\$	-	\$	50,000	11.50%	9.00%	12.25%	9.00%	10.00%	7.25%	14.50%	8.25%
\$ 50,0	001	\$	75,000	11.00%	8.50%	11.75%	8.50%	9.25%	7.00%	13.50%	7.75%
\$ 75,0	001	\$	100,000	10.25%	8.25%	11.25%	8.25%	8.75%	7.00%	11.25%	7.75%
\$ 100,0	001	\$	125,000	9.75%	7.75%	11.00%	7.75%	8.25%	6.50%	10.25%	7.50%
\$ 125,0	001	\$	150,000	9.25%	7.75%	10.50%	7.75%	7.50%	6.50%	9.00%	7.25%
\$ 150,0	001	\$	200,000	8.50%	7.25%	10.00%	7.25%	7.00%	6.50%	8.25%	6.75%
\$ 200,0	001	\$	300,000	8.00%	7.00%	9.50%	7.00%	6.25%	6.00%	7.50%	6.25%
\$ 300,0	001	\$	400,000	7.50%	7.00%	9.25%	7.00%	5.75%	5.75%	7.00%	6.00%
\$ 400,0	001	\$	500,000	7.50%	7.00%	9.00%	7.00%	5.00%	5.25%	6.50%	6.00%
\$ 500,0	001	\$	750,000	7.00%	6.25%	8.75%	6.25%	4.50%	5.00%	6.00%	5.50%
\$ 750,0	001	\$ 1	1,000,000	6.75%	5.75%	8.50%	5.75%	4.25%	5.00%	5.50%	5.50%
\$ 1,000,0	001	\$ 2	2,000,000	6.75%	5.25%	8.00%	5.25%	4.00%	4.25%	5.00%	5.00%
\$ 2,000,0	001	an	d greater	6.50%	4.75%	7.75%	4.75%	3.75%	3.75%	4.75%	5.00%

Other types of Work:	Per/Costs	_
Legal Descriptions and Exhibits	\$ 850.00	per property in addition to those included in base scope
Survey Crew (for miscellaneous work)	\$ 180.00	per hour all inclusive
Biennial Bridge Inspections (per MDOT requirements)	\$ 925.00	per bridge (ten bridges total)
Dam Inspections (per MDEQ/MDNR requirements)	\$ 1100.00	per dam (four regulated dams total)
PASER Pavement Management (map and ranking update)	\$ 7600.00	per year (City-wide for all publicly owned roadways)
Concrete Panel Replacement (CPR) Program Prioritization	\$ 6800.00	per year (City-wide for all publicly owned residential streets)
Non-Motorized Pathway Management & Maintenance Plan	\$ 7900.00	per year (City-wide within publicly owned right-of-ways)
Grant Writing (research, writing, reporting & applying)	\$ 140.00	per hour all inclusive
Parking Lot Management & Maintenance Plan Update	\$ 6150.00	per year (City-owned parking lots)
*General Consulting (Engineer)	\$ 125.00	per hour all inclusive
*General Consulting (Senior Engineer)	175.00	per hour all inclusive
Inspection Crew Day (per Exhibit B requirements)	\$ 800.00	per crew day <u>MDOT LAP Projects</u>

Add 0.50% Design Add 0.75% CA

 Motes:
 Add 0.75% C

 1. Design fees are determined by multiplying the construction cost estimate by the % fee shown in the above tables.
 Contract Administration fees are determined by multiplying the contractor's bid by the % fee shown in the above tables.

 3. Inspection fees are determined by multiplying the number of crew days provided by the contractor in the bid by the cost per crew day as defined above.

 4. See the Request for Proposals and Request for Qualifications regarding the specific scope of services included under each fee and for any exclusions (i.e. work performed by City staff as part of the project).

 5. All percentages and fees shall be considered 'all-inclusive'.

 6. * - Depending on consultant staff expertise needed, fee may be increased at the discretion of the City Engineer.

EXHIBIT "C" - COMPARISON ANALYSIS

FIRM NAME:

				ROAD RECONSTRUCTION		ROAD RECLAMATION		ROAD REH	ABILITATION	NON-MOTORIZED (SIDEWALKS, PATHWAYS & TRAILS)	
	COST OF CO From		JCTION To	Design Phase (% Construction)	Contract Admin (% Construction)	Design Phase (% Construction)	Contract Admin (% Construction)	Design Phase (% Construction)	Contract Admin (% Construction)	Design Phase (% Construction)	Contract Admin (% Construction)
\$	-	\$	50,000	NC	0.25%	NC	0.50%	NC	0.75%	0.25%	1.00%
\$	50,001	\$	75,000	NC	0.25%	NC	0.25%	NC	0.75%	0.50%	1.00%
\$	75,001	\$	100,000	NC	0.25%	NC	0.50%	NC	0.75%	0.50%	1.00%
\$	100,001	\$	125,000	NC	0.25%	NC	0.50%	NC	0.75%	0.50%	1.00%
\$	125,001	\$	150,000	NC	0.25%	NC	0.50%	NC	0.75%	0.50%	1.25%
\$	150,001	\$	200,000	NC	0.25%	NC	0.50%	NC	0.75%	0.50%	1.25%
\$	200,001	\$	300,000	NC	0.25%	NC	0.25%	NC	0.75%	0.50%	1.00%
\$	300,001	\$	400,000	NC	0.25%	NC	0.50%	0.25%	0.75%	0.50%	1.00%
\$	400,001	\$	500,000	NC	0.25%	NC	0.50%	NC	0.75%	0.50%	1.00%
\$	500,001	\$	750,000	NC	0.25%	NC	0.50%	NC	0.75%	0.50%	1.00%
\$	750,001	\$ 1	,000,000	NC	0.25%	NC	0.50%	NC	0.75%	0.50%	1.00%
\$ 1	,000,001	\$ 2	2,000,000	0.25%	0.25%	NC	0.75%	0.25%	0.75%	0.50%	1.00%
\$ 2	2,000,001	an	d greater	0.25%	0.25%	NC	0.50%	0.25%	0.75%	0.50%	1.00%

ENGINEERING FEES

				WATER MAIN CONSTRUCTION			SANITARY/STORM SEWER CONSTRUCTION		UNDERGROUND UTILITY REHABILITATION		TRAFFIC SIGNALS	
	COST OF CO From	NSTR	UCTION To	Design Phase (% Construction)	Contract Admin (% Construction)	Design Phase (% Construction)	Contract Admin (% Construction)	Design Phase (% Construction)	Contract Admin (% Construction)	Design Phase (% Construction)	Contract Admin (% Construction)	
\$	-	\$	50,000	NC	0.25%	NC	0.25%	NC	0.25%	NC	0.75%	
\$	50,001	\$	75,000	NC	0.25%	NC	0.25%	NC	0.25%	NC	0.75%	
\$	75,001	\$	100,000	NC	0.25%	NC	0.25%	NC	0.25%	NC	0.75%	
\$	100,001	\$	125,000	NC	0.25%	NC	0.25%	NC	0.25%	NC	0.75%	
\$	125,001	\$	150,000	NC	0.50%	NC	0.25%	NC	0.25%	NC	0.75%	
\$	150,001	\$	200,000	NC	0.25%	NC	0.25%	NC	0.25%	NC	0.75%	
\$	200,001	\$	300,000	NC	0.25%	NC	0.25%	NC	0.25%	NC	0.50%	
\$	300,001	\$	400,000	NC	0.25%	NC	0.25%	NC	0.25%	NC	0.50%	
\$	400,001	\$	500,000	NC	0.25%	NC	0.25%	NC	0.25%	NC	0.50%	
\$	500,001	\$	750,000	NC	0.25%	NC	0.25%	NC	0.25%	NC	0.50%	
\$	750,001	\$	1,000,000	NC	0.25%	NC	0.25%	NC	0.50%	NC	0.50%	
\$	1,000,001	\$	2,000,000	0.25%	0.25%	NC	0.25%	NC	0.25%	NC	0.50%	
\$:	2,000,001	an	nd greater	0.25%	0.25%	NC	0.25%	NC	0.25%	NC	0.50%	

Other types of Work:	Per/Costs	
Legal Descriptions and Exhibits \$	180.00	per property in addition to those included in base scope
Survey Crew (for miscellaneous work) \$	25.00	per hour all inclusive
Biennial Bridge Inspections (per MDOT requirements) \$	75.00	per bridge (ten bridges total)
Dam Inspections (per MDEQ/MDNR requirements) \$	75.00	per dam (four regulated dams total)
PASER Pavement Management (map and ranking update) \$	900.00	per year (City-wide for all publicly owned roadways)
Concrete Panel Replacement (CPR) Program Prioritization \$	300.00	per year (City-wide for all publicly owned residential streets)
Non-Motorized Pathway Management & Maintenance Plan \$	300.00	per year (City-wide within publicly owned right-of-ways)
Grant Writing (research, writing, reporting & applying)	30.00	per hour all inclusive
Parking Lot Management & Maintenance Plan Update \$	950.00	per year (City-owned parking lots)
*General Consulting (Engineer)	10.00	per hour all inclusive
*General Consulting (Senior Engineer)	NC	per hour all inclusive
Inspection Crew Day (per Exhibit B requirements) \$	100.00	per crew day <u>MDOT LAP Projects</u>

Add 0.50% Design Add 0.75% CA

 Motes:
 Add 0.75% C

 1. Design fees are determined by multiplying the construction cost estimate by the % fee shown in the above tables.
 Contract Administration fees are determined by multiplying the contractor's bid by the % fee shown in the above tables.

 3. Inspection fees are determined by multiplying the number of crew days provided by the contractor in the bid by the cost per crew day as defined above.

 4. See the Request for Proposals and Request for Qualifications regarding the specific scope of services included under each fee and for any exclusions (i.e. work performed by City staff as part of the project).

 5. All percentages and fees shall be considered 'all-inclusive'.

 6. * - Depending consultant staff expertise needed, fee may be increased at the discretion of the City Engineer.