

February 8, 2019

Mr. Paul Davis, PE
City Engineer
City of Rochester Hills
1000 Rochester Hills Drive
Rochester Hills, MI 48309

Subject: Professional Engineering Contract Amendment #2 – Auburn Road, Culbertson Ave. to
Dequindre Road - OHM Project No. 0190-17-0020

Dear Mr. Davis:

As discussed, OHM Advisors is submitting a second amendment for providing additional services to complete the Professional Engineering Phase of the project for the proposed improvements along Auburn Road, from Culbertson Ave. to Dequindre Road. The additional services are outlined below.

1. Design the relocation of City fire hydrants to better locate the hydrants within the new road geometrics, and include addition hydrants as required to increase fire protection. This extra effort is estimated at \$2,000
2. The overall scope and scale of the project required more coordination and planning. It also required increased plan documentation to adequately document all of the proposed work. The total sheet count for the two road contracts (together) increased to 228 sheets, from the 136 previously estimated in Amendment #1. This additional effort is estimated at \$65,000.
3. OHM was to have a limited role in helping with the acquisition of grading permits or additional right-of-way. This was to be handled primarily by the City's ROW consultant. OHM was involved in numerous property owner meetings to convey the ROW needs and assist with the ROW / permit acquisitions. The additional effort for this task is \$25,000.
4. OHM was requested to complete a Safety Grant Application to attempt to secure additional federal funding. This application was completed and submitted before the deadline. This application and study required additional effort of approximately \$5,000.
5. Amendment #1 provided compensation for the design of two parking lots with the first behind the Johnny Blacks and Total Trailer buildings and the second parking west of the Metro PCS building. The second parking lot was deleted once an additional property became available north of the north alley, behind Metro PCS. The additional effort associated with this change is estimated at \$15,000.
6. Additional meetings have continued based on the increased complexity of the project. The additional effort for the work is estimated at \$25,000.



7. Gateway Features: These were first discussed during the initial conceptual streetscape presentations. Subsequent to the preliminary estimates, the City requested that more significant and noteworthy custom features were developed. They would act as a “welcome” feature identifying the “Brooklands” neighborhood. The options developed for gateway features has grown to nine developed to date. Numerous additional meetings, additional renderings for concepts, and investigations from manufacturers were required to continue trying to determine an entry feature option for Auburn Road and the two roundabouts. OHM created several iterations of conceptual designs and renderings for City consideration, before a final scheme of features was selected. This effort is estimated at \$55,000
8. After doing substantial work to create the first Plaza layout, the City purchased the vacant lot to the west of Metro PCS along Emmons Street. The Plaza area has been requested to be increased almost doubling in size. This redesign will include more gather space area and a larger splash pad. The now wider plaza required a number of options to be developed and now will require formal design plans. The additional effort to complete detailed design for the splash pad, the building that will house the restrooms and mechanical equipment, the plaza, the corridor entry features, the roundabout entry features is estimated at \$95,000.
9. Additional streetscape renderings were required as the project was being developed. This extra effort is estimated at \$10,000.
10. OHM and City made a decision to separate the federal aid road project from the alley work. This change was thought to save the City money by removing the requirement for the contractor to use Davis Bacon labor rates and allow for this work to begin sooner. The new Alley Project, called Contract #2, was separated from the road project to be made a stand along project. This contract represented a plan set consisting of an additional 66 sheets. The extra effort is estimated at \$35,000.

The second Amendment totals \$332,000. The new design budget is requested to be revised from \$665,524.86 to \$997,524.86. Please review and let us know if you have any questions. If acceptable we can prepare a contract amendment for execution.

Very Truly Yours,
ORCHARD, HILTZ & McCLIMENT, INC.

Rhett Gronevelt, P.E.

Cc: Mark Loch, P.E. OHM Project Manager