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**Addendum 1**  
**Solicitation 22-99467**  
**DULUTH STORMWATER MANAGEMENT PLAN 2022**

This addendum serves to notify all bidders of the following changes to the solicitation documents:

Questions asked are answered below in italics.

1. Would PCSWMM be considered an acceptable alternative for the modeling required? Model files could be exported to EPA-SWMM format for use with XPSWMM?  
*Yes, as long as the information/data is compatible and convertible to EPA-SWMM / XPSWMM*
2. Does the City have any existing XPSWMM or other hydraulic/hydrologic models for the study area?  
*Not for the 32<sup>nd</sup> Ave W Creek Watershed. There is some HEC-RAS from FEMA for other watershed, but not needed for this project.*
3. Does the City have a preferred method for determining damage reduction? Estimated cost, damage cost curves, relative damage reduction, etc.?  
*As noted in the RFP, cost estimates with the current economic climate is tough, there is not a preferred method, and estimates should be useable now and into the future...*
4. Does the City have flood damage cost curves, or detailed damage costs from the 2012 flood?  
*There are FEMA reports that were done for repairs, and most were site by site projects. There may be some overall data available, but not certain on its availability.*
5. Will the H&H model used for preliminary FEMA modeling be made available for this project? If so, can you share which modeling package was used for that modeling?  
*The FEMA models may be available through the DNR, it should be noted that the draft Map 90-day comment period has not started and is scheduled for 2022. It should also be noted that the 32 Ave West Creek is not a mapped FEMA flood study area.*
6. Is it possible for the city to provide relevant references (TMDL, WRAPS, etc.) at the proposal stage?  
*All TMDL and WRAPS documents are available on the MPCA Webpage.*

7. What is the expectation for the level of detail required for the water quality assessment? Is any WQ modeling expected?  
*Water Quality is a secondary component of the study for the 32<sup>nd</sup> Ave W watershed, with the main focus on flood vulnerability of the built environment. Water quality opportunities and general benefits from them should be included.*
8. Who are the project partners mentioned in the RFP? Do we assume the contractor is considered a project partner and those items/tasks that refer to project partners should be included in our proposal?  
*Yes, the project partner is the consultant/contractor and the City. The City will provide info/data as mentioned in the RFP. Also help coordinate the public meeting.*
9. For vulnerability assessments, does analysis need to be performed for multiple storm events – or is the City focused on a single storm event (i.e. Atlas-14 100-year)?  
*The assessment should be performed to determine the level of capacity of the system currently and the increase in risks for events up to the 100-year event. The grant does want the down-scaled precipitation models to be used as well.*
10. Are there any inflow concerns that would not be captured with a stormwater model of the delineated watershed, such as sanitary lines, groundwater, or runoff from adjacent watersheds that overflows into this watershed during certain storm events?  
*No. Only flow generated from a rain event.*
11. For the entire city and 32<sup>nd</sup> Ave. W. Creek watershed, what is the approximate percent of data available across the two study area extents for existing stormwater infrastructure – pipe age, condition, type, slope, invert elevation, size, inlet type, etc.?  
*The City has GIS data on the storm water system and with about 90% of inverts, pipe diameters, ... If data is missing, the City will provide the data with City staff.*

Please acknowledge receipt of this Addendum by including a copy of it with your proposal. The pages included will not count toward any page limitation, if any, identified in the RFP.

Posted: June 10, 2022