

CITY OF ROSEVILLE -- ENGINEERING DIVISION

SUBMITTAL REQUIREMENTS FOR ALL HEC-2 or HEC-RAS STUDIES

YOU MUST SUBMIT THE ITEMS LISTED UNDER EACH CATEGORY THAT APPLY FOR EACH **HEC-2 or HEC-RAS** MODEL RUN THAT IS SUBMITTED.

1. HEC-2 or HEC-RAS print out with summary tables,
The following information must be on cover of print out:
 - Name of Engineering firm doing study
 - Name of project
 - Version of HEC-2 or RAS program
 - Date & time that the study was run
 - Statement if the study is pre-project or post-project
2. Provide the computer model on a 3-1/4" disk or cd-rom.
 - Disk must be clearly labeled.
 - If more than one model file is on the disk, a listing & description of all files must be included with the disk in an envelope.
 - HEC-1, HEC-2 or HEC-RAS files needs to be submitted on separate disks
3. City of Roseville's "Model Summary Worksheet" pages 1-3 filled out for each HEC-2 or HEC-RAS run that is submitted.
4. Water course map showing the following:
 - Lay out of the route of all water courses used in the HEC-2/RAS study
 - All man made structures with their type and size will be clearly marked and labeled (bridges, culverts, storm drain pipes, man made channels, etc.).
 - Map of the locations and number of all cross-section used in study
 - The starting HGL and peak flow rate for all storm frequencies modeled.
 - The location of where the flow rate changes and what the new flow rate is.
5. If you are comparing pre-project to post-project HEC-2/RAS models, you must include a summary sheet listing the locations and types of changes made between the models.

CITY OF ROSEVILLE
HEC-2 / HEC-RAS MODEL SUMMARY WORKSHEET

Page 1 of 3

Name of project: _____

Name of Engineering firm doing study: _____

Contact person _____ Phone # _____

If this replaces a previous study, what is its name _____

This study reflects: ☐ Existing conditions ☐ Post-development conditions

If this HEC-2/RAS study is used to compare pre-project to post-project runoff what is the name of the study that you are comparing it with _____ Run date _____

Has the pre-project study been approved by the city ☐ yes ☐ no

If yes, name and when _____

Total length of water course (miles) _____ Total number of cross-sections _____

Name of Hydrology study used to get peak Discharge _____

Design storm frequency: ☐ 2 yr ☐ 5 yr ☐ 10 yr ☐ 25 yr ☐ 50 yr ☐ 100 yr ☐
other _____

The starting HGL _____

Starting flow rate _____

How was the starting HGL determined: _____

Give location of cross-sections where the flow rate changes and what the new flow rate(s) are.

(Example) section 145 250cfs of 10yr, 347 cfs for 50yr., 475cfs for 100yr

Start _____

[illegible]

Name of pre-project study : _____Run date_____

Name of post-project study : _____ Run date _____

Do you plan to place any improvements in, or change the Floodway to **yes** or **no** If yes explain .

Provide the following Information for all changes between studies:

[illegible]