

**309.37 Details of survey.**

The county engineer's survey shall show all of the following:

1. A division into sections of all of the roads embraced in said provisional program, a designation of each section by some appropriate number, name, or letter, the starting point and terminus of each section, and the mileage of each section.
2. An accurate plan and profile of the roads surveyed, showing all of the following:
  - a. Cuts and fills.
  - b. Outline of grades.
  - c. All existing permanent bridges, culverts and grades.
  - d. Proper bench marks on each bridge and culvert.
3. The drainage, both surface and subdrainage, necessary to prepare said roads for complete construction.
4. The location of all lines of tile and size thereof.
5. All necessary bridges and culverts, their length, height, and width and foundation soundings.
6. An estimate of the watershed having relation to each bridge and culvert.
7. An estimate of the construction cost of said roads on the basis of permanent bridges, culverts, tile, and road work.

[C24, 27, §4644; C31, 35, §4644-c39; C39, §4644.37; C46, 50, 54, 58, 62, 66, 71, 73, 75, 77, 79, 81, §309.37]

[2011 Acts, ch 34, §76](#); [2020 Acts, ch 1063, §137](#); [2022 Acts, ch 1021, §61](#)