

# COUNTY and TOWNSHIP ROAD SPECIFICATIONS

(Less than 100 ADT)

- PURPOSE:** To provide a standard for constructing a roadway to standards acceptable for maintenance by either the County or Township.
- GENERAL:** Prepare a drawing to show horizontal and vertical alignments, typical section, property and right-of-way lines, topography (including drainage ditches, culvert sizes and direction of flow), traffic control, erosion control measures and location of all utilities.
- SPECIFIC:** Show on drawing all of the following, if applicable:
- \* North arrow.
  - \* Bench marks.
  - \* Dimensions of all property lines and section lines.
  - \* Property restrictions and zoning.
  - \* Number of homes or lots to be served.
  - \* All buildings, culverts, yard trees, woods, ledge rock, wetlands, rivers lakes, etc.
  - \* Location of all utilities, power lines, telephone cables/pedestals, etc.
  - \* Length and width of new roadway.
  - \* Erosion control measures.
  - \* Traffic control
  - \* Projected ADT (Average Daily Traffic)

## TYPICAL SECTION SPECIFICATIONS:

- \* Aggregate base shall be placed on a competent subgrade. If subgrade is weak or not competent it shall be improved by excavation and backfill and/or the use of geotextiles (fabric or geogrid).
- \* Clear zone of 10' from edge of driving surface or 23' from centerline.
- \* If a turn around is required;
  - cul-de-sac shall have a minimum 60' radius (R/W), 50' (surfaced).
  - a turning "T" shall have legs of 50' either direction and perpendicular to the road centerline.
- \* All centerline culverts shall be CMS (Corrugated Metal Steel) no less than 18" in dia.
- \* Entrances shall be located a minimum distance of 100' from the nearest road intersection and culverts shall be CMS no less than 15" in diameter.
- \* All bridges and other structures shall meet current minimum design standards.

- APPROVALS:**
- \* All requests and plans for roadways must be submitted to the Office of the County Highway Engineer and appropriate Township Board, if applicable, for approval.
  - \* All completed roadways will be inspected and approved for acceptance by the County Highway Engineer (or his designee) or the appropriate Township Board.
  - \* According to current statutes a one year maintenance period is required after approval of the road before full acceptance is granted.
  - \* At the discretion of the County Highway Engineer, a bond may be required to cover the estimated cost of the road construction for those roads under county jurisdiction.
  - \* All necessary permits (NPDES, Corps, DNR, Planning & Zoning, etc.) required by local, state and federal agencies shall be obtained prior to beginning construction.

- COSTS:**
- \* All associated costs of planning and construction of the roadway are to be borne by the applicant.
  - \* Waivers may be granted from these guidelines and specifications if warranted by the County Highway Engineer or appropriate Township Board.

# Roadway Typical Section

