



Weld County Public Works Dept.

1111 H Street

P.O. Box 758

Greeley, CO 80632

Phone: (970)304-6496

Fax: (970)304-6497

**Traffic Impact Study (TIS)
Requirements Checklist**

All new commercial/residential developments will be required to submit a traffic study (stamped and signed by a PE registered in the state of Colorado) as a part of the review process unless waived by the Department of Public Works.

- Site Information
 - Description of Use-Residential, Gravel pit, Oil & Gas Facility, etc.
 - Hours of operation
 - Number of Employees
 - Potential haul routes
 - Vicinity map
 - Site Plan

- Existing Site Conditions
 - Roadway network-Summary of Roadway Classification and a description of study area.
 - Analysis of Period-AM, Mid-day, PM, and/or Saturday
 - Existing Traffic Data-traffic counts, level of service, speeds, truck percentages, crash data, etc.

- Future Conditions and Impacts
 - Trip Generation-Daily Peak Hour trips by site development and ITE Trip Generation Manual
 - Trip distribution
 - Short Term background traffic and peak hours (5-years)
 - Long Term background traffic and peak hours (10-20 years)
 - Level of Service Analysis- projected LOS w/ site build out, existing traffic, background traffic growth
 - Level of Service deficiencies-identify existing, short term and long term LOS deficiencies
 - Signal Warrant Analysis
 - Auxiliary Turn Lane Warrant Analysis
 - Sight Distance Analysis- at site entrance or access points
 - Other Impacts-Identify any impacts to school bus routes, pedestrian/ bicycle access, or public transit

- Mitigation
 - Describe auxiliary lanes lengths and storage capacity
 - Corrections for LOS deficiencies
 - Corrections for any access deficiencies
 - Signing & Striping
 - Pavement Maintenance
 - Intersection Radii for truck turn movements

- Figures & Tables
 - Existing peak hour turn movements volumes (counts conducted within the previous 18 months)
 - Trip distribution (%) including added project peak hour traffic volumes
 - Comprehensive plan future year turn movement volumes
 - Intersection performance existing conditions
 - Project trip generation
 - Intersection level of service

- Conclusions & Supporting Analysis