

GRPC TECHNICAL REPORT

The objective of a GRPC Technical Report is to document and prepare a project for funding consideration. The focus project is based on the findings from MPO planning from the Unified Planning Work Program (UPWP) or needs identified by a City or County.

Analysis

Identify refinements to the existing system to enhance vehicle flow, safety, and pedestrian and bicycle movement that are compliant with current design standards. Analysis may include the following.

- Traffic Circulation Study to identify refinements to the existing system to enhance vehicle flow, pedestrian movement
- Traffic Impact Study to perform an analysis of proposed development projects or additions to existing developments that will generate new traffic.
- Intersection Study to analyze the operation of an intersection and identify and evaluate potential improvements. A traffic signal warrant analysis may be performed. Roundabout feasibility study to determine if a roundabout has a design and location that is justified.
- Roadway Safety Audit to study an intersection or roadway and review safety concerns for vehicles, pedestrians, and bicyclists.
- Traffic Study to recommend mitigation measures when existing transportation problems are evident in an area, such as high occurrences of crashes, increases in traffic volume, or complex road geometrics causing issues.

Countermeasures that would eliminate or minimize problems or concerns will be recommended. A consultant will be used to provide engineering judgment for all recommendations.

Develop Conceptual Design

Conceptual design is performed to identify the specific elements of the project's design and tasks to be performed during construction. Typical sections along with horizontal and vertical alignment will be set, preliminary right-of-way established from parcel maps, and (located) utility impacts identified. Identify drainage patterns/flow directions and help quantify drainage impacts from proposed infrastructure improvements.

Develop Cost Estimates

General estimates to develop an opinion of probable cost to include all the items of work, quantities, contractor mobilization, traffic maintenance, construction engineering, and contingencies.

Report Findings

A brief report of findings with a written description of the proposed improvements or options.

Cost: Up to \$10,000