

RESOLUTION 2001-120
OF THE COUNCIL OF THE CITY OF FORT COLLINS
ESTABLISHING CRITERIA FOR
ARTERIAL INTERSECTION ANALYSIS

WHEREAS, some cities and states across the country have begun to construct roundabouts at roadway intersections in place of traffic signals and auxiliary lanes; and

WHEREAS, the modern roundabout can be a safer and more efficient intersection than an intersection controlled by traffic signals; and

WHEREAS, roundabout construction may have cost savings in both the short term capital costs and long term operation and maintenance costs.

NOW, THEREFORE, BE IT RESOLVED BY THE COUNCIL OF THE CITY OF FORT COLLINS as follows:

Section 1. That the City Council hereby determines for any major planned roadway improvement (other than maintenance projects and improvements funded through the Pavement Management Program) which involves an arterial/arterial or an arterial/collector intersection, an Intersection Alternative Analysis will be conducted to assist the Transportation staff in determining the most appropriate improvements for the intersection in question.

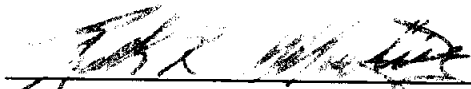
Section 2. That each Intersection Alternative Analysis shall include the following evaluations of standard intersection improvements and roundabout improvements:

- Accident Analysis – a short-term accident analysis shall be conducted for each of the alternatives analyzed. Costs associated with accidents will be based on data provided through the National Institute for Insurance Safety.
- Average delay – the morning, noon, and afternoon peak hours shall be compared and analyzed through capacity analyses to determine the average vehicle delay for each leg of the intersection. The capacity analysis shall include 20-year traffic projections.
- Environmental Factors – an air quality comparison between a roundabout and signalized intersection shall be included in the report.
- Cost – capital costs as well as long-term maintenance and operation costs shall be included in the study.
- Alternative Mode Mobility – the study shall include an evaluation of pedestrian and bicycle mobility.

- Spatial Requirements – the study shall evaluate the amount of land area needed for each type of intersection and the costs associated with the acquisition of the same.

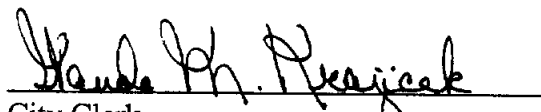
Section 3. That if, after applying the foregoing criteria to a particular intersection, Transportation staff believes that a roundabout would be the most suitable alternative for the improvement of such intersection, the City Manager shall submit such proposal to the City Council for its review and for a final determination of the kind of improvements to be constructed at such intersection.

Passed and adopted at a regular meeting of the Council of the City of Fort Collins held this 4th day of September, A.D. 2001.



Mayor

ATTEST:



City Clerk