

31st Avenue S and S Judkins Street



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Project ID # 2007-218

Type of Improvement: Traffic Calming
Neighborhood: Central District

Approximate Length: 200 feet
Street Classification: Collector Arterial

Applicant Description of Problem and/or Project:

Problem: None given.

Suggested Project: The problematic Judkins intersection is mid-point on our comprehensive plan and a high safety priority. It's a confusing intersection, cars drive right through the existing triangles. Judkins traffic traveling both east and west, crossing 31st Ave south or just entering the roadway north or south is especially dangerous with visibility greatly impaired. We have a concept drawing of a custom roundabout based on Federal Highways Administration Manual. Traffic roundabout needed at Judkins St & 31st Ave S.

Potential Solution and/or Comments:

Intersection of 31st Avenue South and South Judkins Street.

- Construct urban compact roundabout based on Federal Highway Administration design guidelines at 31st Avenue South and Judkins Street.
- Construct approximately 500 feet of concrete curb and gutter and approximately 300 feet of concrete sidewalk.
- Construct new catch basins and storm sewer to collect street runoff.

Challenges/Tradeoffs:

- Additional engineering is required to confirm the appropriate size of the roundabout, which has a significant bearing on project cost. The preliminary range of cost assumes that an urban compact roundabout would be able to accommodate buses and emergency vehicles, and that no right of way acquisition will be required.
- Right of way acquisition may be required.
- Gas station is potentially an environmental concern and could result in environmental permits and mitigation.
- There are potential building, utility poles, trees, signs, and sight distance obstructions that will affect the project.
- Existing driveways may need to be relocated.
- If more than 5,000 square feet of impervious of impervious surface is constructed, detention and water quality facilities will be required. Current proposal appears that it will be under this threshold, but additional analysis is needed to confirm.

Preliminary Range of Cost: \$700,000 to \$1,500,000