



2019 Project Review Sheet (2020 Construction)

City Council District 3 (Ballot # 3C)

Project #	19-129
Project Title:	Intersection improvements
	Neighborhood: First Hill, 98101
Location:	Area: Our project is located at the intersection of Union Street, Minor Avenue and Bellevue Avenue. This intersection is located on the borders of the First Hill and Capitol Hill neighborhoods.

SDOT Contact Information

SDOT Reviewer Name: Eric Sill/Howard Wu
Reviewer Phone Number: (206) 684-0950/684-3902
Review Date: August 9th, 2019

SDOT Project Summary

SDOT approves project

- Yes
- Yes, with revisions
- No

Comments: Given the tight turning movements around the existing traffic circle, SDOT recommends painting splitter islands at the approaches of the intersection to clarifying vehicle movements and maintaining the landscape inside the traffic circle to improve the sightlines. Parking restrictions at the approaches will be marked as needed to ensure space for the unmarked pedestrian crossings and maintain sightlines around the intersection. Spot pavement repairs will be evaluated and made where needed. In coordination with the SDOT's Melrose Promenade project, this project will also add "Stop" signs with stop bars for the approaches at Bellevue Avenue and Union Street.

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There is an opportunity to partner with another program:

Yes

No

Partnering Program: N/A

Total Project Cost: \$ 90,000

Solution and Comments:

This review has been completed for use in the 2019 Your Voice, Your Choice: Parks & Streets process.

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Image:

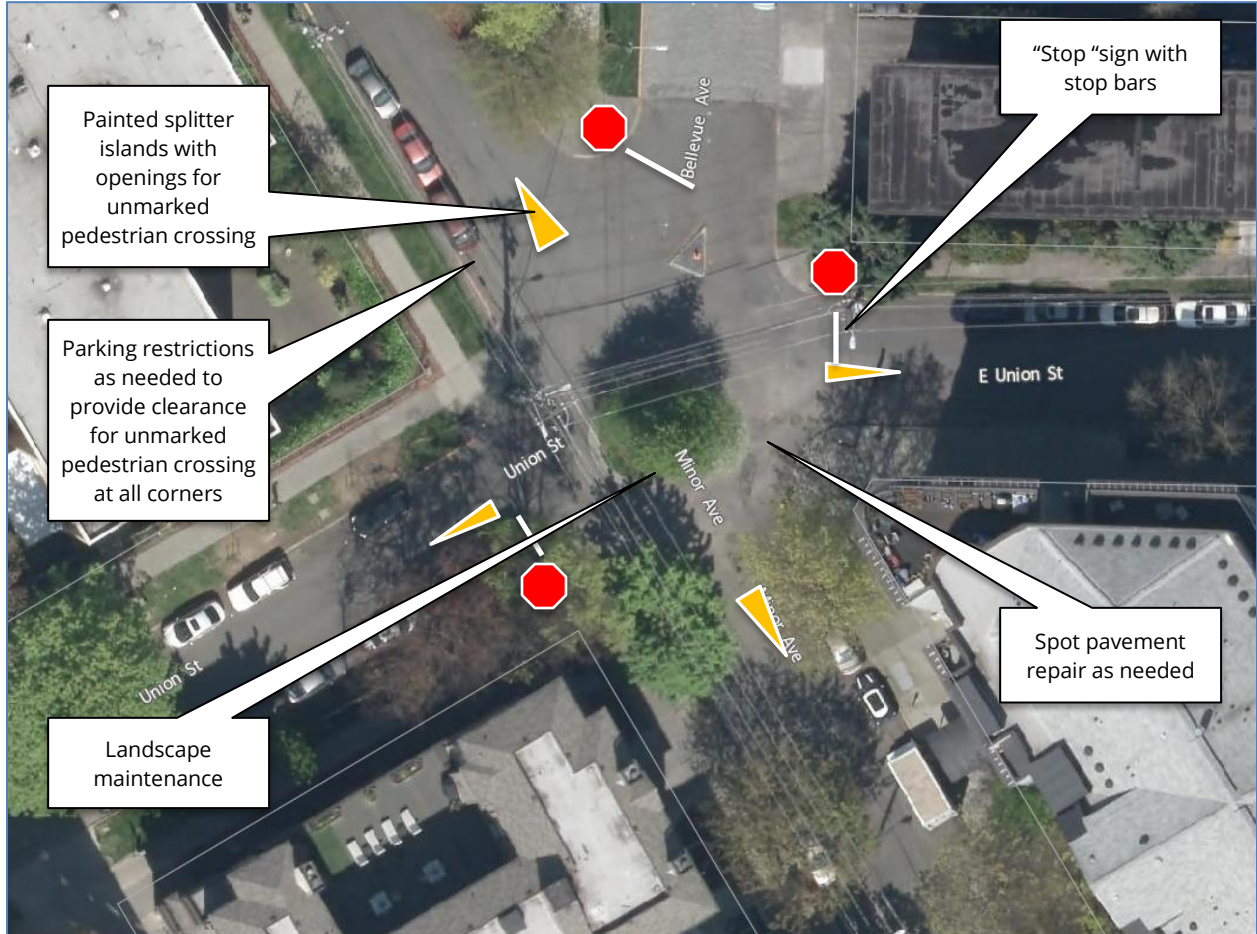


Figure 1: Proposed Intersection Improvements

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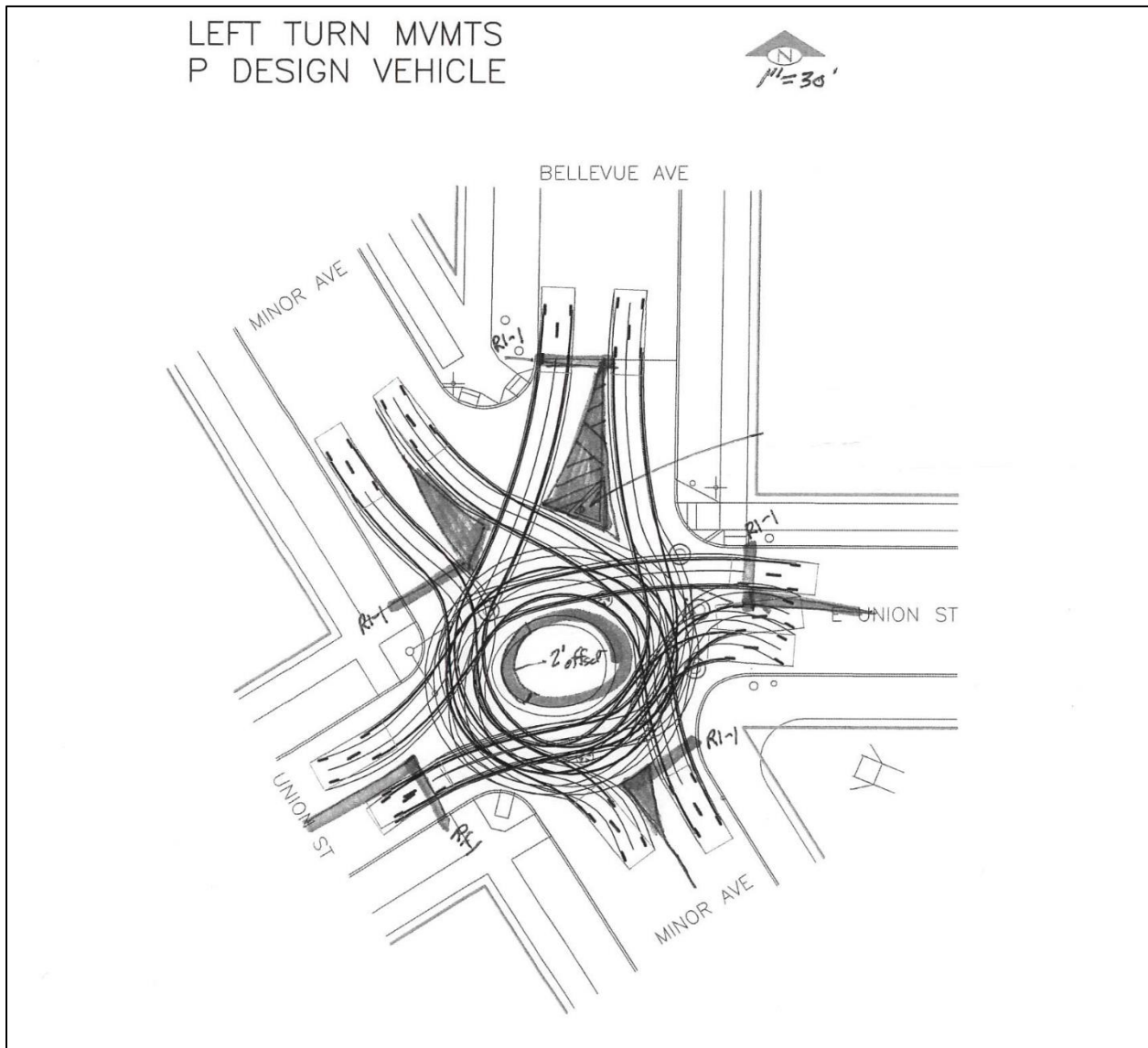


Figure 2: Left-turn Analysis for a Passenger Vehicle

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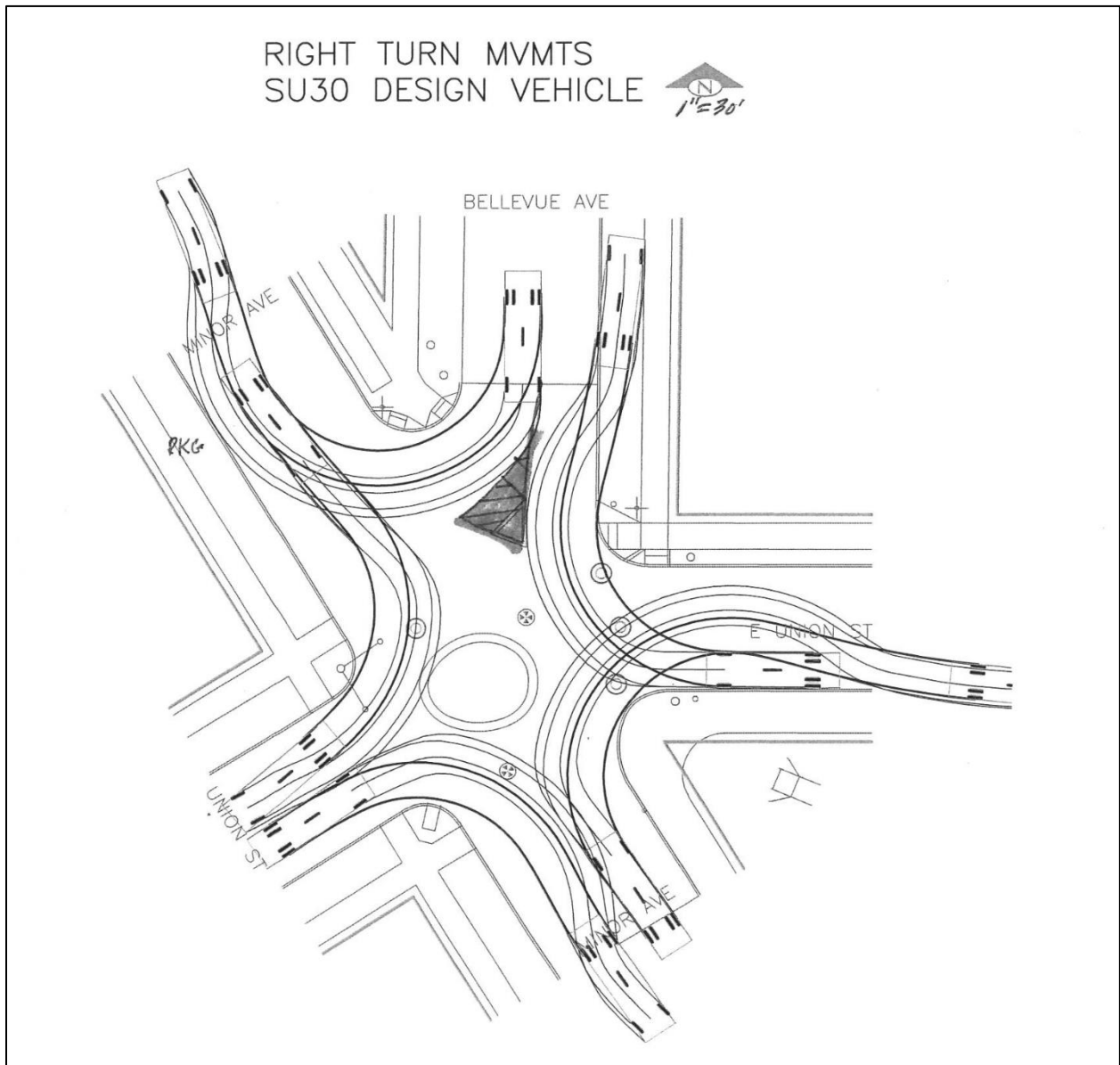


Figure 3: Right-turn Analysis for Single Unit 30-foot Vehicle

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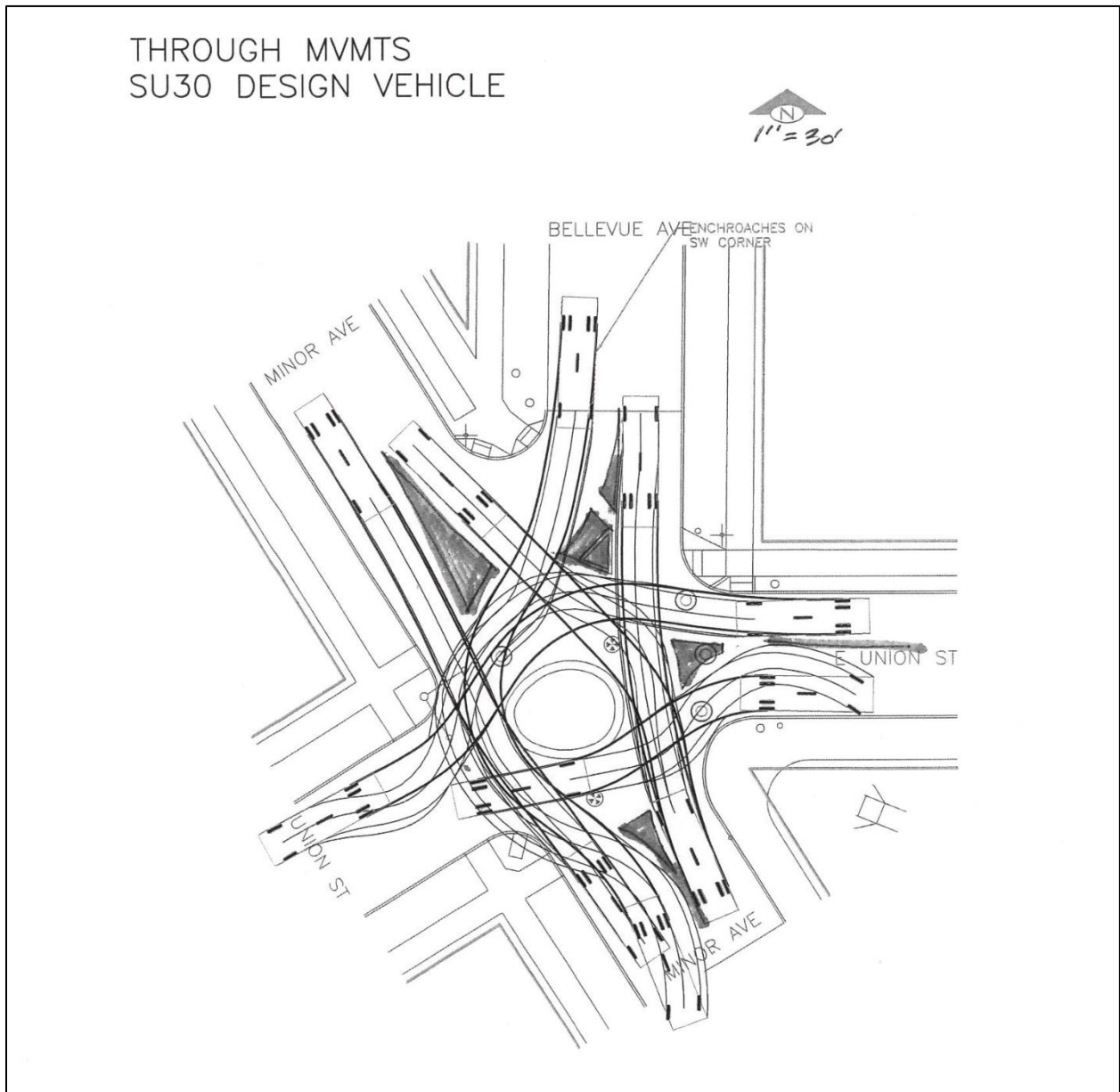


Figure 4: Through Movement Analysis for Single Unit 30-foot Vehicle

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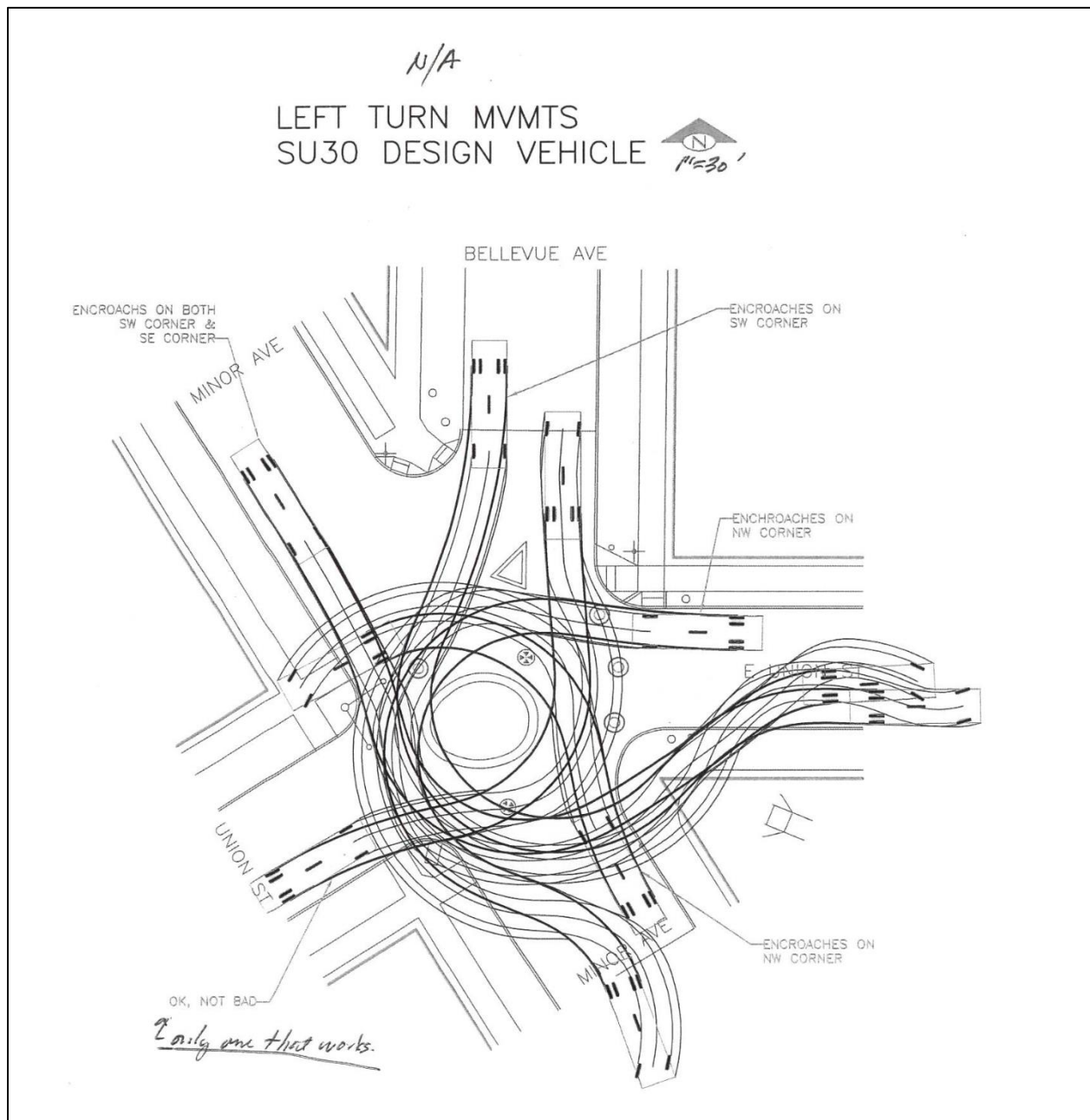


Figure 5: Left-turn Movement Analysis for Single Unit 30-foot Vehicle

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Information Provided by Community Members

Project Idea: We are applying for pedestrian and vehicle improvements at the intersection of Union, Minor and Bellevue because this intersection needs improvements to increase the safety for pedestrians crossing at either street, as well as improvements to the street for vehicular traffic. For pedestrian safety and visibility, we would like to see a crosswalk between each intersection. In order to improve safety for vehicles making turns at the roundabout, we would like to see signage clearly marking the intersection, crosswalk and roundabout. The pavement around the intersection is filled with pot holes and needs to be regraded, we would like to see the intersection repaved. The location of the roundabout creates traffic jams and causes intersections. We would like to see this intersection redesigned to improve both vehicle and pedestrian safety. We would like to see the landscape in the roundabout trimmed for better visibility and beautification.

Need for Project: While there is a traffic circle to calm the street, there is no signage, no crosswalks and nothing done to improve the safety for pedestrians. This intersection is located next to Merrill Gardens as well as Northwest School and is heavily frequented by students and Senior citizens and we want to ensure their safety at this crossing.

Community Benefit from Project: This project would benefit pedestrians and drivers who use this intersection. This project would also benefit students at Northwest School and residents at Merrill Gardens.

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Risk Registry

SDOT Review	Drainage impacts	Constructability	Community process
Medium – need pavement condition assessment	None	Low	Medium

Cost Estimate

Design Phase	
Preliminary Engineering (Survey) Costs	\$0
Project Management Costs (City Labor)	\$0
Design Costs (Consultant Fees, if externally designed, internal labor otherwise)	\$4,500
Subtotal – Design Phase Costs	\$4,500
Design Contingency (10% of Design Phase Subtotal)	\$500
Total Design Phase Costs	\$5,000
Construction Phase	
Construction Costs (include urban forestry, signs & markings, traffic control, layout or construction staking as necessary)	\$63,000
Drainage Costs	\$0
Estimating Contingency (10-20%)	\$7,000
Subtotal – Construction Costs	\$70,000
Construction Management (10-25% of Construction Cost)	\$3,000
Construction Contingency (20%)	\$12,000
Total Construction Phase Costs	\$85,000
Total Project Cost = Total Design and Construction Phase Costs	\$90,000

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