



Kings Beach Western Approach Project Alternative Comparison



Access Location	Alternative 3 Roundabout	Alternative 4 Modified Signal
Access to Brassie Lane	Improved	Reduced
Access to Condominiums	Reduced	Maintained
Access to Tire Shop	Reduced	Reduced
Access to Fire Station	Maintained	Maintained
Access to Private driveway southeast of intersection	Maintained	Maintained
Access to North Tahoe Beach	Maintained	Reduced

Various Criteria

Area of Consideration	Alternative 3 Roundabout	Alternative 4 Modified Signal
Bicycle Accommodations	Yes – with buffered (striping only) bike lanes	Yes – with buffered (striping only) bike lanes. No dedicated intersection accommodations
Context Sensitive/ Complete Street	Yes, provides traffic calming, pedestrian and bicycle accommodations, opportunity for landscape enhancements and public art	Partial, reduces lanes to be crossed by pedestrians
Construction Staging	Large portion able to be constructed outside of the existing intersection. Minimal closures are anticipated	Lane closures likely required.
Emergency Evacuation/ Response	Can Accommodate/ improve access to intersection	Can Accommodate
LOS/Delay	LOS B/13.5 sec	LOS C/26.4 sec
1. EB 28	1. LOS B/10.7 sec	1. LOS B/18.3 sec
2. WB 28	2. LOS A/7.6 sec	2. LOS C/24.9 sec
3. SB 267	3. LOS C/24.8 sec	3. LOS D/37.3 sec
4. Brassie Lane	4. LOS A/9.0 sec	4. Not Applicable
Pedestrian Crossings	Two multi-lane crossings	Two multi-lane crossings. No crossing on the east leg of the intersection
Right of Way Impacts	Partial take on one parcel	Partial take/easement on three parcels
Snow Removal / Plow operations / Maintenance	Central Island allows more snow storage More striping and landscape than other alternatives. Reduced signal maintenance.	Reduced snow storage from the existing conditions. Additional striping maintenance

Environmental Considerations

Area of Consideration	Alternative 3 Roundabout	Alternative 4 Modified Signal
Hazardous Materials	Additional testing/ studies are likely <u>Not</u> needed.	Additional testing/ studies may be needed due to the impacts to the NE parcel
Permitting	May need 401, 404 and 1600 permits	May need 401 and 404 permits
Stream Environment Zones (SEZ) Impacts	None	None
Waters of the US/ Basin/ Wetland Impacts	Impacts to existing manmade basin	Minimal, if any
Water Quality	Potential reduction in net impervious area. Opportunity for water quality features	Increase in impervious area. No Water Quality features installed

Abbreviations: **EB:** Eastbound | **LOS :** Level of Service | **WB:** Westbound | **SB:** Southbound | **EB:** Eastbound | **Sec:** Second