

Evaluation Criteria



CAG Meeting #4 – Evaluation Matrix Handout

Barrington Road at I-90 Interchange

Evaluation Criteria	Measurement	Alternative 0: No Build	Alternative 6: Single Point Urban	Alternative 7: Modified Partial Cloverleaf #1 With Slip Ramp At Higgins	Alternative 8: Modified Partial Cloverleaf #3 With Slip Ramp At Higgins
Problem Statement					
Addresses the Problem Statement	Level of Problem Solution				
Permanent Traffic Impacts					
Vehicular Traffic Capacity	Level of Service (Year 2040)	C	D	C	C
Vehicular Traffic Safety	Vehicle vs Vehicle Conflict Points (lower is better)	164	180	173	167
	Weaving Movements on I-90 and Barrington	1	0	1	2
Safe Bicycle and Pedestrian Provisions					
Bicycle and Pedestrian Safety	# of Unprotected Bike/Ped Crossings	4	VARIES	VARIES	VARIES
	Presence of Off-Street Bike/Ped Accommodations	0 Sides	VARIES	VARIES	VARIES
Economic Impacts					
Businesses (none displaced, no access points removed)	# of Parking Spaces Removed	0	3	3	3
Environmental Impacts					
Natural Resources	Wetlands Displaced (Acres)	0 ac	3.21 ac	3.97 ac	5.40 ac
	Floodplain/Floodway Displaced (Acres)	0 ac	5.51 ac	7.15 ac	8.53 ac
Land Acquisition	Overall R-O-W Required (Acres)	0 ac	8.29 ac	8.85 ac	8.75 ac
Public Transportation					
Transit Plan Coordination	Accommodation of Future Star Line and Bus Rapid Transit	No	Yes	Yes	Yes
	Allowance for Pace to access Barrington Road from I-90 for Park-N-Ride	No	Yes	Yes	Yes
	Allowance for Pace to operate on I-90 inside shoulder	No	Yes	Yes	Yes
Temporary Traffic Impacts					
Vehicular Mobility	Maintenance of Traffic Flow	Lane Reduction on Barrington Road at bridge for rehabilitation work for one construction season	Lane Reduction on Barrington Road for two to three construction seasons	Lane Reduction on Barrington Road and shoulder closures on Higgins Road for two to three construction seasons	Lane Reduction on Barrington Road and shoulder closures on Higgins Road for two to three construction seasons
Business Access	Disruption of Business Activity	No access impacted	Barrington Road access will be maintained with temporary access during construction	Barrington Road access will be maintained with temporary access during construction	Barrington Road access will be maintained with temporary access during construction
Safety					
Emergency Vehicle Response and Transport	I-90 Coverage with Improved Crash Response and Transport with access to Barrington (miles) (higher is better) and travel time (minutes:seconds) (lower is better)	0.00 mi	4.97 mi	3.90 mi	3.90 mi
		15:03	2:18	15:03	15:03
Financial					
Utility Relocation Cost	Budget (millions)	\$0	\$1.5	\$1.0	\$1.0
Construction Cost	Budget (millions)	\$2	\$55.5	\$52.9	\$52.1
Overall Project Cost	Budget (millions)	\$2	\$64-69	\$61-66	\$60-65