

**East Allen Street Gateway Scoping Study  
DRAFT Evaluation Matrix**



		E Allen St / Barlow St / Cascade Way				E Allen St / E Spring St / Hood St			4-Lane Roadway Section		
		Alternative 0 No Build	Alternative 2 Merge Lane Removal & Parking Protected EB Bike Lane	Alternative 3 Two-Way Stop-Controlled Intersection & Bike Lanes with Landscape Buffer	Alternative 4 Two-Way Stop-Controlled Intersection & Bike Lanes with On-Street Parking	Alternative 0 No Build	Alternative 2 Signalized Intersection	Alternative 3 E Spring St Realignment	Alternative 0 No Build	Alternative 2 Road Diet with No Curb Shift	Alternative 3 Road Diet with Shifted Southern Curbline
<b>Costs</b>	<b>Costs</b>										
	Construction (Including 25% Contingency)	\$0	\$20,000	\$340,000	\$120,000	\$0	\$700,000	\$1,500,000	\$0	\$80,000	\$1,300,000
	Traffic Control and Mobilization/Demobilization	\$0	\$5,000	\$65,000	\$25,000	\$0	\$130,000	\$290,000	\$0	\$15,000	\$250,000
	Engineering and Design	\$0	\$5,000	\$80,000	\$25,000	\$0	\$160,000	\$340,000	\$0	\$20,000	\$300,000
	Resident (Construction) Engineering	\$0	\$5,000	\$55,000	\$25,000	\$0	\$110,000	\$230,000	\$0	\$15,000	\$200,000
	<b>Total (Not Including ROW)</b>	<b>\$0</b>	<b>\$50,000</b>	<b>\$550,000</b>	<b>\$200,000</b>	<b>\$0</b>	<b>\$1,100,000</b>	<b>\$2,400,000</b>	<b>\$0</b>	<b>\$150,000</b>	<b>\$2,100,000</b>
<b>Engineering</b>	<b>Traffic Operations (2039 PM Peak Hour)</b>										
	Overall LOS	A	A	A	A	F	B	B	A	A	A
	Maximum Volume to Capacity Ratio	0.311	0.311	0.559	0.559	2.63	.901	.901	.939	.75	.75
		SB from Barlow Street	SB from Barlow Street	SB from Barlow Street	SB from Barlow Street	SB from East Spring	EB Thru from East Allen	EB Thru from East Allen	WB Left from East Allen	WB Left from East Allen	WB Left from East Allen
	Longest 95th Percentile Queue (veh/ln)	1.3	1.3	2.8	2.8	20.4	14.9	14.9	18.3	8.5	8.5
		SB from Barlow Street	SB from Barlow Street	SB from Barlow Street	SB from Barlow Street	SB from East Spring	EB Thru from East Allen	EB Thru from East Allen	WB Left from East Allen	WB Left from East Allen	WB Left from East Allen
	<b>Safety</b>										
	Bicycle Safety	-	<b>Improved</b> <i>Reduce conflict point with eastbound bike lane</i>	<b>Slightly Improved</b> <i>Formal accommodations for all turning movements</i>	<b>Slightly Improved</b> <i>Formal accommodations for all turning movements</i>	-	<b>Improved</b> <i>Bike Lanes provided westbound through signal</i>	<b>Improved</b> <i>Bike Lanes provided westbound through signal</i>	-	<b>Improved</b> <i>Buffered Bike Lane provided in westbound direction</i>	<b>Improved</b> <i>Buffered Bike Lane provided in westbound direction</i>
	Pedestrian Safety	-	<b>No Change</b>	<b>Improved</b> <i>Stopped traffic on Cascade Way will allow for safer crossing</i>	<b>Improved</b> <i>Stopped traffic on Cascade Way will allow for safer crossing</i>	-	<b>Improved</b> <i>Signalized Crosswalk provided on 2 approaches</i>	<b>Improved</b> <i>Signalized Crosswalk provided on all approaches</i>	-	<b>Slightly Improved</b> <i>Improved crosswalk visibility</i>	<b>Slightly Improved</b> <i>Improved crosswalk visibility</i>
	Vehicle Safety	-	<b>Improved</b> <i>Reduce conflict point with merging vehicles</i>	<b>Slightly Improved</b> <i>Formal accommodations for all turning movements</i>	<b>Slightly Improved</b> <i>Formal accommodations for all turning movements</i>	-	<b>Improved</b> <i>Phase Separated movements from E Spring St</i>	<b>Improved</b> <i>Perpendicular Intersection and Phase Separated movements from E Spring St</i>	-	<b>Slightly Improved</b> <i>Lower vehicle speeds</i>	<b>Slightly Improved</b> <i>Lower vehicle speeds</i>
	<b>Impacts</b>	-				-			-		
	Utility Impacts	-	Minor Impacts	Minor Impacts	Minor Impacts	-	Minor Impacts	Moderate Impacts	-	No Impacts	No Impacts
	Railroad Impacts	-	-	-	-	-	Minor Impacts	Major Impacts	-	-	-
	ROW Impacts	-	No Impacts	No Impacts	No Impacts	-	No Impacts	Major Impacts	-	No Impacts	No Impacts
	Constructability	-	Minor Effort	Moderate Effort	Moderate Effort	-	Moderate Effort	Major Effort	-	Minor Effort	Moderate Effort
<b>Natural Resources</b>	-				-			-			
Conserved Lands	-	No Impacts	No Impacts	No Impacts	-	No Impacts	No Impacts	-	No Impacts	No Impacts	
Wetlands	-	No Impacts	No Impacts	No Impacts	-	No Impacts	No Impacts	-	No Impacts	No Impacts	
<b>Community Character</b>	-				-			-			
Aesthetics	-	No Change	No Change	No Change	-	No Change	Improved	-	Improved	Improved	
Satisfies Purpose & Need	No	Yes	Yes	Yes	No	Yes	Yes	No	Yes	Yes	