Route 29 Solutions:

Technical Team Assignment #1: DRAFT 1st Screening of Conceptual Solutions

Success Factor Metrics	Conceptual Solutions								
	Alternative Modes Bypass	Median Throughway Low-Build	Median Throughway High-Build	Parallel Roads Low-Build	Parallel Roads High-Build	Widen Route 29	Eastern Connector	Rail Improvements	Park and Ride Improvements
Does the solution improve local traffic mobility on the Route 29 corridor?	N	Y	Y	Y	Y	N	N	N	N
Does the solution improve through traffic mobility on the Route 29 corridor?	N	Y	Y	N	N	N	N	N	N
Does the solution address the worst congestion locations on the Route 29 corridor?	N	N	Y	N	Y	N	N	N	N
Does the solution address the highest crash locations on the Route 29 corridor?	N	Y	Y	N	Y	N	N	N	N
Does the solution minimize impacts to the environment, community, and businesses relative to the mobility benefit to the Route 29 corridor?	N	Y	Y	N	N	Y	N	N	Y
Does the solution address multiple modes and incorporate new technology where possible?	Y	Y	Y	Y	Y	Y	Y	Y	Y
Is the alternative implementable within the budget and time constraint?	Y	Y	Y	Y	Y	Y	N	N	Y
Does the solution provide significant mobility improvements on the Route 29 corridor relative to the estimated cost?	N	Y	Y	N	Y	Y	N	N	Y
Length, Schedule, Cost									
Length (in miles)	6.0	4.0	4.0	6.0	6.0	2.5	2.0	N/A	N/A
Implementation Time Frame	3 - 5 Years	3 - 5 Years	3 - 5 Years	3 - 5 Years	3 - 5 Years	3 - 5 Years	≥ 6 Years	≥ 6 Years	1 - 3 Years
Planning Level Cost (2014) $Millions	$100 - $200	$50 - $100	$250 - $350	$100 - $200	$250 - $350	$50 - $100	$200 - $300	$200 - $700	$20 - $50
Recommended Category									
1 = Does not address Success Factors 2 = Addresses Success Factors, but not available 3 = Addresses Success Factors and is available for consideration	1	3	3	Note 1	3	Note 1	1	1	1

Note 1: Partially funded in current Six Year Improvement Program (SYIP)