

Urban Loop Prioritization Process Criteria

Executive Summary

CRITERIA	WEIGHT
Needs – <i>measure of how well the loop project meets current demand</i>	
<ul style="list-style-type: none"> Safety – Crash Rates (critical crashes, severity, & density) 	5%
<ul style="list-style-type: none"> Congestion – Volume-to-Capacity Ratio 	10%
Benefits – <i>measure of much the loop project benefits a region</i>	
Travel Time Savings <ul style="list-style-type: none"> Travel Demand Models Vehicle hours of travel saved by users Greater travel time savings, greater points 	25%
Economic Development – assist from Dept. of Commerce model (IMPLAN) <ul style="list-style-type: none"> Economic impact the project brings to the region Jobs created based on direct, indirect, & induced effects of the project Employment gains from project construction, retention and relocation of industries and growth of other service & retail businesses near the project 	15%
Forecasted 2035 Total Volume (Cars + Trucks) <ul style="list-style-type: none"> Projected traffic volumes 2035 Data from Travel Demand Models Higher volumes, higher points 	10%
Forecasted 2035 Truck Volume <ul style="list-style-type: none"> Explosive growth expected Diverts truck traffic from Central Business District thereby increasing safety, reducing congestion & extending service life of pavements Points assigned based on year 2035 truck volumes from travel demand models 	10%
Multimodal Options – HOV/Light Rail/Transit <ul style="list-style-type: none"> Promotes efficiency in network HOV/HOT, Light rail, bus rapid transit within right of way 	5%
Protected Corridor/Partial Right-of-Way Acquired <ul style="list-style-type: none"> Points awarded based how much right of way has already been either protected or purchased 	10%
Connectivity – Travel Distance Saved <ul style="list-style-type: none"> Distance saved by traveling the loop roadway vs. traveling the existing route(s) Greater distance saved, greater the points 	10%
Total	100%

Each Loop Project Received a *Priority Ratio* Score:

$$\text{Priority Ratio} = (\text{Needs Points} + \text{Benefit Points}) / \text{Total Cost}$$

67.56
(Example)

Note: Total Cost = Construction + Right of Way + Utilities