

STP-DA Bike/Ped/Transit Project Comparison Model

Created: 04/11/2007 (jjp)

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				ZBPT.1	CBPT.1	MBPT.1
				Government Center Bicycle and Pedestrian Improvements	Kildaire Farm Rd. Sharrows	Airport Blv. Sidewalks
Goal	Criteria	Score Procedure	Max. Score			
Cost (\$1,000s)				90	264	103
Local Share				18	132	31
STP-DA Share				72	132	72
Length				.3 miles	2.9 miles	.95 miles
Cross-Reference (i.e. MTIP Project ID, TIP #, etc.)		User Input		N/A	N/A	SW of ME.1
ROW Must be Available	ROW is Available for Project	Yes (20), N/A (20) or No (0)	20	20	20	20
Reduce Congestion/Promote Healthy and Active Communities	How Many People Are Served?	Local Area/Neighborhood (1), Community/Town (2), Region (3)	3	2	2	2
Reduce Congestion/Promote Healthy and Active Communities	Pedestrian/Bicycle Generator Present at 1/4-mile distance - (Schools, Park, University, other destination)	One (1), Two (2), Three (3), or No	3	3	3	3
Encourage Connectivity of Bike/Ped and Transit Infrastructure	Does Project Enhance Existing Investment?	Project improves, extends or connects existing infrastructure (3)	3	3	3	3
Encourage the Use of Alternative Modes of Travel	Benefits other modes of travel	See Index C	3	2	2	2
Increase Safety	Mitigates a Safety/High Hazard Location	User Input/TEAAS Info (Index B)	5	3	5	2
SAFETEALU Compliance	Serves MLI Community	User Input	3	3	3	0
Encourage Cross Jurisdictional Projects	Multiple Jurisdictions Request Equivalent Project	1 point for each concurring jurisdiction, 5 max.	5	0	0	0
Cost Effectiveness	Cost Effectiveness	BCA > mean: 2 Points	2	2	0	2
Points to Ensure Geographic Equity		Discretionary (2 point max)	2		0	
# of years on list			1			
Sum of All Scores			50	38	38	34
Normalized Result				1.25	1.05	0.22
Add Minimum Value to all Values				2.26	2.06	1.23
Setting to 100-Point Scale				100	91	54
BCA (Score/Total Project Cost)				42.5	14.2	33.2
Mean BCA				24.7	24.7	24.7

Index B - Mitigates High Hazard Location (2005/jjp)				
	Weight (Total = 1)			
(B.1) # of Pedacycle Collisions Reported by TEAAS (01/02-01/05)	#		8	2
(B.2) # of Pedestrian Collisions Reported by TEAAS (01/02-01/05)	#	1	7	2
(B.3) Local Police Dept. has identified area as high hazard location	2	2	0	0
(B.4) Written citizen complaint submitted	2		0	0
<i>Sum of scores</i>		3	15	2
Index C - Benefits Other Modes of Travel				
	Weight (Total = 1)			
(C.1) Carpool	0.25	0	0	0
(C.2) Transit	0.25	0	0	0.25
(C.3) Bike (Existing Riders)	0.25	0.25	0.25	0
(C.4) Pedestrian (Existing Foot Path)	0.25	0.25	0	0.25
(C.5) Automobile	0.25	0.25	0.25	0.25
<i>Sum of scores x Criteria Weight</i>		2.25	1.50	2.25

FVBPT.1	HSBPT.1	WFBPT.1
Wake Chapel Rd. Pedestrian Improvements	North-South Greenway Corridor Connector Downtown Village to Sunset Lake Rd.	Main St Wide Outside Lanes and Share the Road Signs
109	329	146
33	99	44
76	230	102
.67 miles	.61 miles	1.14 miles
N/A	N/A	N/A
	20	20
	2	2
	3	3
	3	3
	2	2
	0	0
	0	0
	0	0
	2	0
	32	30
	-0.49	-1.01
	0.52	0.00
	23	0
	28.8	9.0
	24.7	24.7

0	0	0
0	0	0
0	0	0
0	0.25	0.25
0.25	0.25	0
0.25	0	0.25
<i>1.50</i>	<i>1.50</i>	<i>1.50</i>