



Intersection Prioritization Matrix

Transportation Systems Management & Operations (TSM&O) Master Plan



April 8, 2024
Draft

Prioritization Criteria

TSM&O Master Plan Goals	Prioritization Criteria	Unit/Measure	Data Source	Max Points	Logic	Scale (based on unit value)
Safety	Crash Rate	Crash/Mile	Signal 4 Analytics	15	Greater the crash rate, greater the need, greater the points	12 crashes/mile or less: 1 point Between 13 and 55 crashes/mile: 8 points 55 crashes/mile or greater: 15 points
	Fatalities/Serious Injuries	Crash/Mile or Crash (or Intersection)		5		0.39 crashes/mile or less: 1 point Between 0.4 and 1.19 crashes/mile: 3 points 1.2 crashes/mile or greater: 5 points
	Bicycle/Pedestrian Crashes	Crash Type/Mile (or Intersection)		10		0.2 crashes/mile or less: 1 point Between 0.2 and .9 crashes/mile: 5 points 1 crash/mile or greater: 10 points
Reliability & Performance	Level of Travel Time Reliability	Travel Time Reliability (TTR) (Average weekday, per approach/ direction)	Data provided by agencies; MetroPlan Signal Retiming Studies, MetroPlan Data Veiver	10	Greater the TTR, greater the need, greater the points	2.25 or less: 3 points Between 2.26 and 2.99.: 6 points 3.0 or greater: 10 points
	Communication Presence	Existing FOC within project limits or FOC adjacent to project limit	Maintaining Agency/Existing Conditions Assessment	10	Lesser the presence, greater the need, greater the points	No FOC along project limits: 0 points Existing FOC adjacent to project limits: 5 points Existing FOC along project limits: 10 points
	Evacuation Route Designation	Yes/No	FDOT GIS/FDEM	5	Evacuation route designation receives point allocation	No: 0 points Yes: 5 points
Investment & Economy	Commercial Vehicle Traffic	Percentage of Traffic	MetroPlan Data Viewer (Truck Volumes)	5	Greater the traffic, greater the need, greater the points	5% or less: 0 point Between 5% and 9%: 2.5 points 9% or greater: 5 points
	MetroPlan Truck Bottlenecks	Bottleneck Ranking	FDOT Statistics/ RITIS Bottleneck	3	Greater the rank, greater the need, greater the point	Not listed: 0 points Top 100 Ranking: 1 point Top 10 Ranking: 3 points
	Truck Parking Locations (Existing/Planned)	Location/Proximity	MetroPlan Data Viewer/FDOT Data	5	Closer the facility, greater the need, greater the points	Facility greater than 5 miles: 0 point Facility between 2.5 and 5 miles: 2.5 points Facility within 2.5 miles: 5 points
	Multimodal Hub/Regional Activity Centers	Location/Proximity	MetroPlan Data Viewer/FDOT Data	5	Closer the facility, greater the need, greater the points	Facility greater than 2 miles: 1 point Facility within 2 miles: 3 points Facility within 1 mile: 5 points
Access & Connectivity	LYNX System Headway	Headway (Minutes)	MTP/LYNX	4	Greater the headway, greater the need, greater the points	30 minutes or less: 1 point Between 30 and 60 minutes: 2 points 60 minutes or greater: 4 points
	Express Route/Critical Routes	Yes/No	LYNX	4	Critical route designation receives point allocation	No: 0 points Yes: 4 points
	Transit Ridership	Ridership of closest stop	LYNX/MetroPlan Data Viewer	4	Greater the ridership, greater the need, greater the points	600 or less daily rides: 1 point Between 600 and 1000 daily rides: 2 points 1000 or more daily rides: 4 points
	SunRail Stations/Crossings	Location/Proximity	Existing Conditions Assessment	4	Closer the facility, greater the need, greater the points	0.25 miles or greater: 1 point Within 0.25 miles: 2 points Directly adjacent: 4 points
	Priority Active Transportation Corridor	Yes/No	Active Transportation Plan	1	Active transportation designation receives point allocation	No: 0 points Yes: 1 point
Health & Environment	Public Health Indicator Rates	Health vulnerability indicators 65th percentile or greater	Equitable Transportation Community Explorer Tool	5	Greater the health vulnerability, greater the need, greater the points	0 indicators: 0 points 1 indicator: 1 point 2 indicators: 2 points 3 indicators: 3 points 4 indicators: 4 points 5 indicators: 5 points
	Intensity & Proximity: Environmental Justice Populations	Justice 40 disadvantaged population tracts	Justice 40	5	Greater the disadvantages, greater the need, greater the points	Presence of disadvantaged community: 4 points If disadvantage is transportation-related: +1 point

100

Seminole County Prioritized Intersections

Major Street	Minor Street	SAFETY			RELIABILITY & PERFORMANCE			INVESTMENT & ECONOMY				ACCESS & CONNECTIVITY			HEALTH & ENVIRONMENT		TOTAL	PLANNING LEVEL COST ESTIMATE				
		Crash Rate	Fatalities/Serious Injuries	Bicycle/Pedestrian Crashes	Travel Time Reliability	Communication Presence	Evacuation Route Designation	Commercial Vehicle Traffic	MetroPlan Truck Bottlenecks	Truck Parking Locations	Multimodal Hub/Regional Activity Centers	Transit System Headway	Express Route/Critical Routes	Transit Ridership	SunRail Stations/Crossings	Public Health Indicator Rates		Intensity & Proximity: Environmental Justice Populations	Design	Construction	CEI	TOTAL
US 17/92	SR 434	15	3	10	10	10	5	5	0	0	3	4	0	1	1	3	4	74				
SR 46	Sanford Ave	8	1	5	3	10	5	5	0	0	3	1	0	1	1	4	4	51	\$29,000	\$145,000	\$26,100	\$200,100
Red Bug Lake Rd	Oviedo Marketplace Blvd	8	1	1	3	10	0	5	0	0	1	4	0	1	1	3	0	38	\$33,000	\$165,000	\$29,700	\$227,700
SR 434	Tuskawilla Rd	8	1	1	3	10	0	5	0	0	1	4	0	1	1	1	0	36	\$33,000	\$165,000	\$29,700	\$227,700

Osceola County Prioritized Intersections

Major Street	Minor Street	SAFETY			RELIABILITY & PERFORMANCE			INVESTMENT & ECONOMY				ACCESS & CONNECTIVITY			HEALTH & ENVIRONMENT		TOTAL	PLANNING LEVEL COST ESTIMATE				
		Crash Rate	Fatalities/Serious Injuries	Bicycle/Pedestrian Crashes	Travel Time Reliability	Communication Presence	Evacuation Route Designation	Commercial Vehicle Traffic	MetroPlan Truck Bottlenecks	Truck Parking Locations	Multimodal Hub/Regional Activity Centers	Transit System Headway	Express Route/Critical Routes	Transit Ridership	SunRail Stations/Crossings	Public Health Indicator Rates		Intensity & Proximity: Environmental Justice Populations	Design	Construction	CEI	TOTAL
US 192	Poinciana Blvd	15	5	10	10	10	5	2.5	0	0	1	1	4	2	1	5	0	72				
Narcoossee Elementary School	South Entrance	8	1	5	6	10	5	2.5	0	0	1	4	0	1	1	0	0	45	\$26,000	\$130,000	\$23,400	\$179,400
US 192	Hickory Tree Rd	15	3	1	3	5	5	2.5	0	0	1	4	0	1	1	0	0	42	\$33,000	\$165,000	\$29,700	\$227,700
Pleasant Hill Rd	Reaves Rd	8	3	1	3	10	0	2.5	0	0	1	4	0	1	1	0	4	39	\$33,000	\$165,000	\$29,700	\$227,700

Orange County Prioritized Intersections

Major Street	Minor Street	SAFETY			RELIABILITY & PERFORMANCE			INVESTMENT & ECONOMY				ACCESS & CONNECTIVITY			HEALTH & ENVIRONMENT		TOTAL	PLANNING LEVEL COST ESTIMATE				
		Crash Rate	Fatalities/Serious Injuries	Bicycle/Pedestrian Crashes	Travel Time Reliability	Communication Presence	Evacuation Route Designation	Commercial Vehicle Traffic	MetroPlan Truck Bottlenecks	Truck Parking Locations	Multimodal Hub/Regional Activity Centers	Transit System Headway	Express Route/Critical Routes	Transit Ridership	SunRail Stations/Crossings	Public Health Indicator Rates		Intensity & Proximity: Environmental Justice Populations	Design	Construction	CEI	TOTAL
Old Winter Garden Rd	Hiawasse Rd	15	5	10	10	10	0	0	0	3	1	1	0	4	1	4	5	69				
John Young Pkwy	Central Florida Pkwy	15	5	5	10	10	0	0	0	0	3	4	0	1	1	0	5	59	\$36,000	\$180,000	\$32,400	\$248,400
Lake Underhill Rd	S Chickasaw Trl	8	5	10	10	0	0	2.5	0	3	1	1	0	2	1	0	4	47	\$33,000	\$165,000	\$29,700	\$227,700
Narcoossee Rd	Tyson Rd	8	3	1	3	10	5	5	0	0	1	4	0	1	1	0	0	42	\$29,000	\$145,000	\$26,100	\$200,100
John Young Pkwy	Hunters Creek Blvd	8	3	5	3	10	5	0	0	0	1	4	0	1	1	0	0	41	\$33,000	\$165,000	\$29,700	\$227,700
Clarcona Ocoee Rd	Apopka-Vineland Rd	8	5	1	3	10	0	2.5	0	3	1	1	0	1	1	0	4	40	\$36,000	\$180,000	\$32,400	\$248,400
Apopka-Vineland Rd	Conroy-Windermere Rd	8	3	1	6	10	0	0	0	5	1	1	0	1	1	1	0	38	\$33,000	\$165,000	\$29,700	\$227,700

City of Orlando Prioritized Intersections

Major Street	Minor Street	SAFETY			RELIABILITY & PERFORMANCE			INVESTMENT & ECONOMY				ACCESS & CONNECTIVITY			HEALTH & ENVIRONMENT		TOTAL	PLANNING LEVEL COST ESTIMATE				
		Crash Rate	Fatalities/Serious Injuries	Bicycle/Pedestrian Crashes	Travel Time Reliability	Communication Presence	Evacuation Route Designation	Commercial Vehicle Traffic	MetroPlan Truck Bottlenecks	Truck Parking Locations	Multimodal Hub/Regional Activity Centers	Transit System Headway	Express Route/Critical Routes	Transit Ridership	SunRail Stations/Crossings	Public Health Indicator Rates		Intensity & Proximity: Environmental Justice Populations	Design	Construction	CEI	TOTAL
Lake Underhill Rd	Semoran Blvd (SR 436)	15	5	10	6	10	0	5	0	0	1	1	0	2	1	0	5	61				
Conroy Rd	Millenia Blvd	15	1	5	10	10	0	2.5	0	0	1	2	4	1	1	0	5	58	\$36,000	\$180,000	\$32,400	\$248,400
Conroy Rd	Vineland Rd	15	3	5	3	10	0	0	0	3	1	2	4	1	1	0	5	53	\$36,000	\$180,000	\$32,400	\$248,400
John Young Pkwy	L.B. McLeod Rd	15	3	1	3	10	0	2.5	0	0	1	4	0	1	1	0	5	47	\$33,000	\$165,000	\$29,700	\$227,700
Metrowest Blvd	Metrocenter Blvd	1	1	5	3	10	0	0	0	5	1	1	0	4	1	0	0	32	\$29,000	\$145,000	\$26,100	\$200,100



MetroPlanOrlando.gov
250 S. Orange Ave., Suite 200
Orlando, FL 32801
MTP@MetroPlanOrlando.gov
(407) 481-5672

