Okaloosa-Walton Transportation Planning Organization 2045 Long Range Transportation Plan





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#### **Acronyms & Abbreviations**

**AADT** Average Annual Daily Traffic **ECRC Emerald Coast Regional Council ETDM** Efficient Transportation Decision Making **FDEM** Florida Department of Emergency Management **FDOT** Florida Department of Transportation **FWC** Fish and Wildlife Commission ITS Intelligent Transportation System LOS Level of Service LRTP Long Range Transportation Plan М Multimodal Transportation District MMTD MPO Metropolitan Planning Organization MTP Metropolitan Transportation Plan 0 O-W Okaloosa-Walton PD&E Project Development & Environment S SIS Strategic Intermodal System **STRAHNET** Strategic Highway Network Т

Transportation Planning Organization

TPO

#### 1.0 Introduction

Federal and state metropolitan planning regulations require the Okaloosa-Walton Transportation Planning Organization (O-W TPO) to develop a metropolitan transportation plan (MTP) every five years. The Long Range Transportation Plan (LRTP) fulfills this requirement and defines the transportation vision, established goals and objectives that will lead to achieving that vision, and allocates projected revenues to transportation programs and projects that implement those goals and objectives for the O-W transportation planning area. The transportation planning area consists of the southern portions of Okaloosa and Walton Counties in the state of Florida. A map of the TPO boundary can be seen in **Figure 1**.

Figure 1. Okaloosa-Walton Transportation Planning Area



## 2.0 **Development of 2045 Evaluation Criteria**

The development of the 2045 Evaluation Criteria followed the update and finalization of the 2045 Goals & Objectives. The development process updated the 2040 Evaluation Criteria (seen in **Appendix A**) and followed the same Federal, state, and local and regional planning guidance that the 2045 Goals & Objectives did. These evaluation criteria are used to rank projects listed in the adopted Needs Plans, as well as the implementation of the Cost Feasible Plan.

The Steering Committee met to discuss the 2045 Evaluation Criteria and make recommendations for changes.

• November 17, 2020, 1:00pm CST, Virtual Meeting

During the Steering Committee meeting the committee had a variety of questions about the evaluation criteria. Some of these questions involved language in the previous 2040 evaluation criteria, which was addressed through the 2045 updates, while other questions were primarily about clarification of information. There were no suggestions made for changes or additions to the proposed 2045 evaluation criteria.

#### 3.0 **2045 Evaluation Criteria**

The 2045 Evaluation Criteria were developed following the update to the 2045 Goals & Objectives. The 2045 Goals & Objectives can be seen in full detail in the Goals & Objectives Technical Memo. Each table in this section (**Table 1** through **Table 6**) represents one of the goals in the 2045 LRTP update with each evaluation criteria listed with its corresponding objective. The evaluation criteria project score represents the score that a transportation project will receive if it matches the requirement described. The total weight of the goal's criteria is listed on the right side of the table. Explanations for specific evaluation criteria, Equity Analysis, can be found in **Appendix B**.



Table 1. 2045 Evaluation Criteria – Goal A

Goal A: A transportation system that is safe and secure.								
Objectives	Evaluation Criteria		Project Score					
Objectives	Evaluation Criteria	1	0.5	0				
Objective A.1, A.2 Objective A.1, A.2	Roadway Safety Improvement Strategies (Crash rates based on Signal Four Analytics)  Bicycle and Pedestrian Safety Improvement Strategies (Crash	Project implements roadway safety improvements Project implements	-	Project does not implement roadway safety improvements Project does not implement bicycle	Updated 2040			
·	rates based on Signal Four Analytics)	bicycle and pedestrian safety improvements	-	and pedestrian safety improvements	New			
Objective A.1, A.4	Community Traffic Safety Team (Project on the Okaloosa or Walton County Community Traffic Safety Team List of Projects)	Project is on the Community Traffic Safety Team List	-	Project is not on the Community Traffic Safety Team List	Updated 2040	20%		
Objective A.3, A.5	Emergency Response (Project located on or near a hurricane evacuation route designated by Florida Department of Emergency Management (FDEM))	Project is located on hurricane evacuation route	Project is located within 2 miles of evacuation route	Project is not located on or near hurricane evacuation route	Updated 2040			
Objective A.8	Security Issues (Project is within 2 miles of military installation, airport, port, or local government center)	Project is within 2 miles of high security location	-	Project is not within 2 miles of high security location	Updated 2040			

Table 2. 2045 Evaluation Criteria – Goal B

#### Goal B: A transportation system that is user-friendly, multimodal, integrated, connected, and maximizes mobility.

Ohiostiyos	Evaluation Criteria	Project	Score	Tyrno	Waight
Objectives	Evaluation Criteria	1	0	Туре	Weight
Objective	Bicycle/Pedestrian (Project	Project is included in the	Project is not included in	Updated 2040	
B.1, B.2,	included in TPO's	TPO's Bicycle/Pedestrian	the TPO's		
B.6	Bicycle/Pedestrian Plan)	plan	Bicycle/Pedestrian plan		
Objective	Public Transportation (Project is	Project is located on an EC	Project is not located on	Updated 2040	
B.1, B.6,	located on an EC Rider Route, an	Rider Route, FDOT Park-	an EC Rider Route, FDOT		
B.7	FDOT Park-and-Ride Lot, or a	and-Ride Lot, or Jumper	Park-and-Ride Lot, or		
	Jumper Route)	Route	Jumper Route		20%
Objective	Activity Center (Project within			Updated 2040	2076
B.2	two miles of an identified	Project is within 2 miles of	Project is not within 2		
	activity center: school, tourist	activity center	miles of activity center		
	destination, plaza)				
Objective	Complete Streets (Project is	Complete Streets/MMTD	Not a Complete	New	
B.9	described as a Complete	·	Streets/MMTD project		
	Streets/MMTD project)	project	Streets/Mini D project		

Table 3. 2045 Evaluation Criteria – Goal C

	Goal C: A transportation system that provides for the effective movement of goods and people.									
Objectives	Evaluation Criteria	Proje	Tymo	Moight						
Objectives	Evaluation Criteria	1 0		Туре	Weight					
Objectives	Base Access (Project on the SIS for	Project is located on SIS	Project is not located on SIS							
C.1, C.2	Military Access of the Strategic	for military access	for military access	Updated 2040						
	Highway Network (STRAHNET))	Tor Trillitary access	101 Hillitary access							
Objectives	Economic Reach (Positive	Project is expected to	Project is not expected to							
C.3, C.4	Employment Growth from 2015 to	bring positive	bring positive employment	Updated 2040						
	2045 Traffic Analysis Zones along	employment growth	growth							
	Corridor)	employment growth	growth							
Objective	Recreational and Tourism				15%					
C.3, C.4	Opportunity (Project is linked to	Project is linked to key	Project is not linked to key	Updated 2040						
	water, campgrounds, parks, and	destination	destination	opaatea 2010						
	trails, or other key destinations)									
Objectives	Intermodal Goods Movement	Project is located on	Project is not located on							
C.5	(Project on the SIS, or TPO's Regional	Regional Freight Plan	Regional Freight Plan	Updated 2040						
	Freight Plan Network, or enhances	Network and/or enhances	Network and/or does not	5 paatea 2040						
	area around freight centers)	freight center	enhance freight center							



Table 4. 2045 Evaluation Criteria – Goal D

# Goal D: A transportation system that supports a high quality of life, respectful of the social and nature environment, public health, and vulnerable users.

Objectives	Evaluation Criteria	Project S	Project Score			
Objectives	Lvaluation Citteria	1 0		Туре	Weight	
Objective D.1, D.8, D.9	Natural Resources (Project reduces transportation impacts to natural resources)	Project is not located in an identified natural resource area	Project is located in an identified natural resource area	New		
Objective D.2	Social Environment (Project is weighted based on location in equity score area)	Project has equity score between 4 - 7 Project has equity score between 0 - 3		New	15%	
Objective D.5, D.6, D.7	Mixed-Use (Project located adjacent to mixed-used land zoning and development)	Project is located on mixed-use land zoning	Project is not located on mixed-use land zoning	New	1376	
Objective D.8, D.9	Environmental Impacts (PD&E Study and/or FDOT Consultant ETDM Review)	No impacts identified in PD&E or ETDM Review	Impacts identified in PD&E or ETDM Review	Updated 2040		



Table 5. 2045 Evaluation Criteria – Goal E

	Goal E: A transportation system that is maintained and operated efficiently.									
Objectives	Evaluation Criteria	Project Score		Project Score						
Objectives	Evaluation Criteria	1	0.5	0	Туре	Weight				
Objective E.4, E.8	Facility Current Level of Service (LOS) (Regional Transportation Model and TPO's LOS Tables for 2015)	Project corridor has current Failing (LOS E-F)	Project corridor has current LOS C - D	Project corridor has current LOS A – B	Updated 2040					
Objective E.4, E.8	AADT (2015 FDOT or 2015 Local Government Traffic Counts)	> 40,000 AADT	20,000 – 40,000 AADT	< 20,000 AADT	Updated 2040					
Objective E.4, E.8	Roadway Service Deficiency (Project is currently deficient in the Existing Plus Committed Network)	Project corridor has current > 1.3 V/C	Project corridor has current 1.0 to 1.3 V/C	Project corridor has current < 1.0 V/C	Updated 2040	20%				
Objective E.6	Project Funding (Project has already received partial or full funding for one or more project phases)	Project has received full funding for one or more phases	Project has received partial funding for one or more phases	Project has received no funding for any project phase	New					

Table 6. 2045 Evaluation Criteria – Goal F

# Goal F: A transportation system that includes consistent, continuing, cooperative, and comprehensive planning processes.

Objectives	Evaluation Criteria	Project	: Score	Typo	Weight
Objectives	Evaluation Criteria	1 0		Type	vveigiit
Objective	Public Involvement (Project				
F.1, F.2,	was identified as a need	Project was identified as a need	Project was not identified as a		
F.3, F.4, F.5	through public involvement	through public involvement	need through public	New	
	methods in the 2045 LRTP	methods	involvement methods		
	Process)				
Objective	Local Planning (Project is				
F.6, F.7	identified in a Local	Project was identified in Local	Project was not identified in	Updated	10%
	Government Comprehensive	Government Plan	Local Government Plan	2040	1076
	Plan, or Master Plan)				
Objective	Federal and State Guidance on		Project does not include		
F.6	Technology (Project identified	Project includes technological	Project does not include technological improvements		
	utilizes technological improvements identified in		· ·	New	
	improvements from federal and	federal and statewide guidance statewide guidance			
	statewide guidance such as ITS)		statewide guidance		



Table 7. O-W 2045 LRTP Evaluation Criteria Update – Comparison from 2040 to 2045								
2040				2045				
Category	Sub Category	Percent	Max Points	Category	Sub Category	Percent	Max Points	
	Economic Reach	1			Roadway Safety Improvement Strategies		1	
Economic	Base Access	15%	1	Goal A	Bicycle and Pedestrian Safety Improvement Strategies	20%	1	
Vitality					Community Traffic Safety Team		1	
	Intermodal Goods Movement		1		Emergency Response		1	
	Wovement				Security Issues		1	
	School Activity		1		Bicycle/ <u>Pedestrian</u>		1	
Multimodal Transportation	Safety Improvement Strategies	20%	1	Goal B	Goal B	Public Transportation	20%	1
Safety	Identified by Community		1		Activity <u>Center</u>		1	
	Traffic Safety Team				Complete Streets		1	
Multimodal	Emergency Response		1		Base Access		1	
Transportation Security	Identified in Security Issues	10%	1			Economic Reach		1
	Service Disruption		1	Goal C	Recreation and Tourism	15%		
	Correct Deficiency		1		Opportunity		1	
	Congestion Management Strategies		1		Intermodal Goods Movement		1	
Congestion Management		20%			Natural Resources		1	
	Facility Level of Service				Social Environment		1	
	(LOS)		1	Goal D	Mixed-Use	15%	1	
					Environmental <u>Impacts</u>		1	

	2040	2045					
Category	Sub Category	Percent	Max Points	Category	Sub Category	Percent	Max Points
	Pedestrian		1		Facility <u>Current</u> LOS		1
Multimodal	Bicycle		1				
Choices and Connections		15%		Goal E	AADT	20%	1
	Public Transportation		1		Roadway Service Deficiency		1
					Project Funding		1
Sections	AADT		1		Public Involvement		1
System Efficiency and Preservation		10%		Goal F	Local Planning	10%	1
Preservation	Route Significance		1				
	Existing Deficiency		1		Guidance on Technology		1
System	Environmental	100/	1				
Sustainability and Livability	Recreational Opportunity	10%	1	N/A			
	Local Planning		1				
Total		100%	21	Total		100%	23



# **Appendix A: 2040 Evaluation Criteria**

The 2040 Evaluation Criteria was utilized as a base for the development of the 2045 Evaluation Criteria.

Category and Criteria Criteria Rating Scale					
(Description)	(Lesser Benefit $\leftarrow$ $\rightarrow$ Higher Benefit)				
Economic Vitality – 15% (Goal C) (Objectives C.1, C.	2, C.3, C.4, and C.	5)			
<b>Economic Reach (Positive Employment Growth</b>					
from 2010 to 2040 Traffic Analysis Zones along					
Corridor)	0	0	.5	1	
To what extent will the project support planned	No	> 0 t	o 2%	> 2%	
development or provide economic benefits (e.g. job growth/retention)?					
Base Access (Project on the SIS for Military Access					
of the Strategic Highway Network (STRAHNET))	0			1	
Does the project improve military base access directly	No			Yes	
or indirectly (e.g. along a connecting route)?					
Intermodal Goods Movement (Project on the SIS					
or TPO's Regional Freight Plan Network)	0		1		
To what extent will the project enhance, expand, or	0 No		Yes		
benefit intermodal facilities or opportunities for goods					
movement?					
Multimodal Transportation Safety – 20% (Goals A a	nd B) (Objectives	A.1, A.2,	and B.2)		
School Activity (Project within two miles of a					
public school, private school, or College)	0		1		
Will the project help to improve a school zone or	No			Yes	
school-related activities (e.g. school crossing, school	110			163	
routes, buses, etc.)					
Safety Improvement Strategies (Accident rates					
based on Signal Four Analytics)	0	0	5	1	
Projects ranked from highest to lowest and awarded a	Lowest		Range	Highest	
graduated point value based on ranking past five	Lowest		.a.rgc	i iigiiest	
years.					
Identified by Community Traffic Safety Team					
(Project on the Okaloosa or Walton County	0	n	.5	1	
Community Traffic Safety Team List of Projects)	Lowest		Range	Highest	
Has the project been identified as a Community Traffic Safety Team Project?	Lowest	IVIIG I		riigiicst	

Category and Criteria Criteria Rating Scale				
(Description)				ner Benefit)
Multimodal Transportation Security – 10% (Goal A)	(Objectives A.3, A	A.5, A.6, a	nd A.9)	
Emergency Response (Project on a hurricane				
evacuation route in the Northwest Florida				
Hurricane Evacuation Restudy)	0			1
Will the project directly enhance emergency response	No			Yes
or improve emergency access for police, fire,				
ambulance, major utility center, etc.?				
Identified in Security Issues (Project is within 2				
miles of military installation, airport, port, and	0			1
local government center)	0			1
Will the project help to address a previously-identified	None			Yes
security issue or concern?				
Service Disruption (Project is within 5 miles of a				
hurricane evacuation route from the Hurricane	0			1
Restudy above)	-		Yes	
Does the proposed project provide alternative routes	No			res
for natural disaster evacuation?				
Congestion Management – 20% (Goals B, C, and F)	(Objectives B.1, B.	.3, C.1, F.	3, F.4, an	d F.8)
Correct Deficiency (Project is deficient in the				
Existing Plus Committed Network)	0	0.	.5	1
Will the project appropriately address congestion as	< 1.0	1.0 t	to 1.3	> 1.3
identified by studies or other observations?				
<b>Congestion Management Strategies (Volume to</b>				
Capacity Ratio from the 2040 Needs Plan	0	0.	5	1
Network)	> 1.3	1.0 to		< 1.0
To what extent will the project incorporate congestion	7 1.5	1.0 t	0 1.5	<b>\</b> 1.0
management strategies?				
Facility Level of Service (LOS) (Regional				
Transportation Model and TPO's LOS Tables for	0	0.	.5	1
2010)	A - B	C -	- D	Failing
What is the LOS of the proposed project area?				
Multimodal Choices and Connections – 15% (Goals	A, B, D, and E) (Ol	ojectives	A.4, B.1,	B.2, D.5, E.2,
and E.3)				
Pedestrian (Project included as a Pedestrian	0	0.	.5	1
project in the TPO's Bicycle/Pedestrian Plan)	> 2 miles	Within	2 miles	Same facility



Category and Criteria	Criteria Rating Scale				
(Description)	(Lesser Benefit $\leftarrow$ $\rightarrow$ Higher Benefit)				
To what extent will the project enhance pedestrian					
and related connections or opportunities?					
Bicycle (Project included as a bicycle project in					
the TPO's Bicycle/Pedestrian Plan)	0	0.5		1	
To what extent with the project enhance bicycle and	> 2 miles	Within 2 miles		Same facility	
related connections or opportunities?					
Public Transportation (Project is located on a Bay					
Town Trolley Route or a FDOT Park-and-Ride Lot)	0	0.5 Within 2 miles		1 Same facility	
To what extent will the project enhance public	> 2 miles				
transportation and related connections or	> 2 ITINES WITHIN 2 ITIN		2 IIIIles		
opportunities (e.g., park & ride, bus shelters)?					
System Efficiency and Preservation – 10% (Goal F) (Objectives F.1 and F.2)					
AADT (2010 FDOT or 2010 Local Government		0.5 20,000 to 40,000		1 > 40,000	
Traffic Counts)	0				
What is the estimated daily traffic volume at the	0 to < 20,000				
project location?					
Route Significance (Project is on the Strategic					
Intermodal System or National Highway System)	0		1		
Is the project located on the National Highway System	No			Yes	
or FIHS?					
Existing Deficiency (Regional Transportation		0.5 1 1.0 to 1.3 > 1.3			
Modal and TPO's LOS Tables for 2010 or other	0			1	
LOS Analysis)	< 1.0			-	
Will the project address one or more deficiencies? (e.g.	1.0			7 1.5	
failing LOS, ADA, signal delay, resurfacing, etc.)?					
System Sustainability and Livability – 10% (Goals D and G) (Objectives D.1, D.2, D.4, D.6, G.2, and G.6)					
Environmental (PD&E Study and/or FDOT	0	0.5 Moderate		1	
Consultant ETDM Review)	No Impacts			Low	
Does the project have impacts or no impacts?	ino impacts intodera		Crate	LOW	
Recreational Opportunity (Project is linked to					
water, campgrounds, parks, and trails)	0 > 2 miles		1 0 to 2 miles		
To what extent might the project add, enhance, or					
otherwise benefit recreational opportunities for				O to 2 miles	
residents or visitors?					
Local Planning (Project is located in a Local	0			1	
Government Comprehensive Plan or Master Plan)	No			Yes	

Category and Criteria	Criteria Rating Scale		
(Description)	(Lesser Benefit $\leftarrow$ $\rightarrow$ Higher Benefit)		
Is the project identified or supported by an existing			
municipal comprehensive plan or other locally-			
adopted plan or study?			



# **Appendix B: Equity Analysis**

An equity analysis was conducted to consider social demographics in conjunction with activity centers (destinations). It is based on categories of demand centers, or activity destinations. It provided the ability to do a "hot spot" analysis to help examine how communities link to activities and destinations. While not an "origin-destination" analysis, equity analysis scoring provides a tool to help consider broader travel and community needs. These activity center locations are generally shown in the image below where darker tones indicate higher demand areas for these activity centers and classifications: airports, seaports, hospital and healthcare, state parks, national parks, military facilities, state forests, industrial land use, commercial land use, employment density, and population density. **Figure 2** shows the equity analysis scoring for the Okaloosa-Walton region.

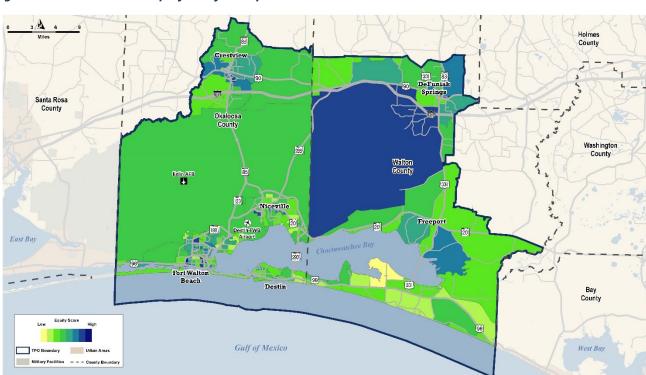


Figure 2. Okaloosa-Walton Equity Analysis Map

The next step was to consider traditionally underserved communities in the equity analysis. The goal of the equity analysis is to highlight areas with higher densities of historically undeserved population. In order to measure the distribution and correlation of underserved populations, the General Planning Consultant to ECRC applied an equity analysis methodology used in other planning projects. For purposes of the analysis, the following socio-economic indicators from the American Community Survey (ACS) define underserved populations:

- Percentage of population below poverty level.
- Percentage of minority population.
- Percentage of zero-vehicle households.
- Percentage of population age 65 or above.
- Percentage of population 18 or below.
- Percentage of means of transportation to work other than personal motor vehicle.
- Percentage of households with limited English proficiency.
- Percentage of population with disabilities.

The analysis used a threshold for each of the above indicators so that the census block groups that have a greater value than the mean (average) value for any given indicator will be given a score of one (1). The scores for the individual categories were then added up into a composite equity score. For example, if a census block group had an above average number of people below poverty level and an above average number of people 65 years of age or older, the census block group was given a score of two (2). The composite equity score has a maximum possible score of eight (8), shown in dark blue on the GIS map, and a minimum possible score of zero (0), shown in light yellow-green on the GIS map. The analysis was conducted within GIS to combine input datasets with geoprocessing to generate spatial overlays and computing summary statistics and scores. This resulted in a heat map style visual representation of a location's composite equity score. The equity analysis was combined with the Activity Centers, so that the two data sets could be mapped and linked. These results were used to assess linkage and potential needs. The higher equity score indicates communities or areas of greater need for traditionally underserved communities.



# **Appendix C: 2045 Evaluation Criteria Adoption Resolution**



#### **RESOLUTION O-W 21-06**

# A RESOLUTION OF THE OKALOOSA-WALTON TRANSPORTATION PLANNING ORGANIZATION APPROVING THE 2045 LONG RANGE TRANSPORTATION PLAN EVALUATION CRITERIA

**WHEREAS**, the Okaloosa-Walton Transportation Planning Organization (TPO) is the metropolitan planning organization designated by the Governor of Florida as being responsible for carrying out a continuing, cooperative, and comprehensive transportation planning process for the Okaloosa-Walton Metropolitan Planning Area;

**WHEREAS**, the Okaloosa-Walton TPO Long Range Transportation Plan (LRTP) 2045 Update, which is developed pursuant Part 23 §450.322, Code of Federal Regulations (CFR) and Chapter 339.175 (7) Florida Statutes;

**WHEREAS**, the Okaloosa-Walton Transportation Planning Organization (TPO) approved the LRTP 2045 updated Scope of Services on May 21, 2020;

**WHEREAS**, a task in the LRTP 2045 updated Scope of Service is to develop Evaluation Criteria for ranking projects in the 2045 Long Range Transportation Plan Needs Assessment;

**WHEREAS**, the Evaluation Criteria serves a s technical ranking of projects for the 2045 Long Range Transportation Plan Needs Assessment and is a tool in determining Project Priorities, but it is understood that the TPO has the final authority on what projects to include in the 2045 Long Range Transportation Plan Needs Assessment and Project Priorities;

**WHEREAS**, the Evaluation Criteria are a based on the 2045 Long Range Transportation Plan Goals and Objectives; and

**WHEREAS**, the Evaluation Criteria are the result of a Steering Committee consisting of members of the TPO's Technical Coordinating and Citizens' Advisory Committees;

NOW, THEREFORE, BE IT RESOLVED BY THE OKALOOSA-WALTON TRANSPORTATION PLANNING ORGANIZATION THAT:

The Okaloosa-Walton TPO approves the Evaluation Criteria Technical Report for the 2045 Okaloosa-Walton TPO Long Range Transportation Plan.

Passed and duly adopted by the Okaloosa-Walton Transportation Planning Organization held on this 18th day of February 2021.

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OKALOOSA-WALTON TRANSPORTATION PLANNING ORGANIZATION

BY:

Nathan Boyles, Chair

STATE
OF
FLORIDA

