Agenda

1. Introduction
2. Public Involvement Update
3. Performance-Based Planning & Programming
4. Planning Periods
5. Financial / Set-Asides
6. ETDM
7. Purpose & Need
8. Hurricane Preparedness/Lessons Learned
9. Project Updates
10. Next Steps

Name	16-Apr-19				17-Apr-19				Grand Total
	English	Spanish	Creole	Total	English	Spanish	Creole	Total	
Dials	60,055	-	-	60,055	99,488	-	-	99,488	159,543
Answered	18,257	-	-	18,257	31,752	-	-	31,752	50,009
Machine	10,948	-	-	10,948	20,080	-	-	20,080	31,028
Declined	5,241	-	-	5,241	8,486	-	-	8,486	13,727
Accepted	2,068	316	16	2,400	3,186	654	17	3,857	6,257
Toll Free	17	3	-	20	22	-	-	22	42
Total Listened	2,085	319	16	2,420	3,208	654	17	3,879	6,299
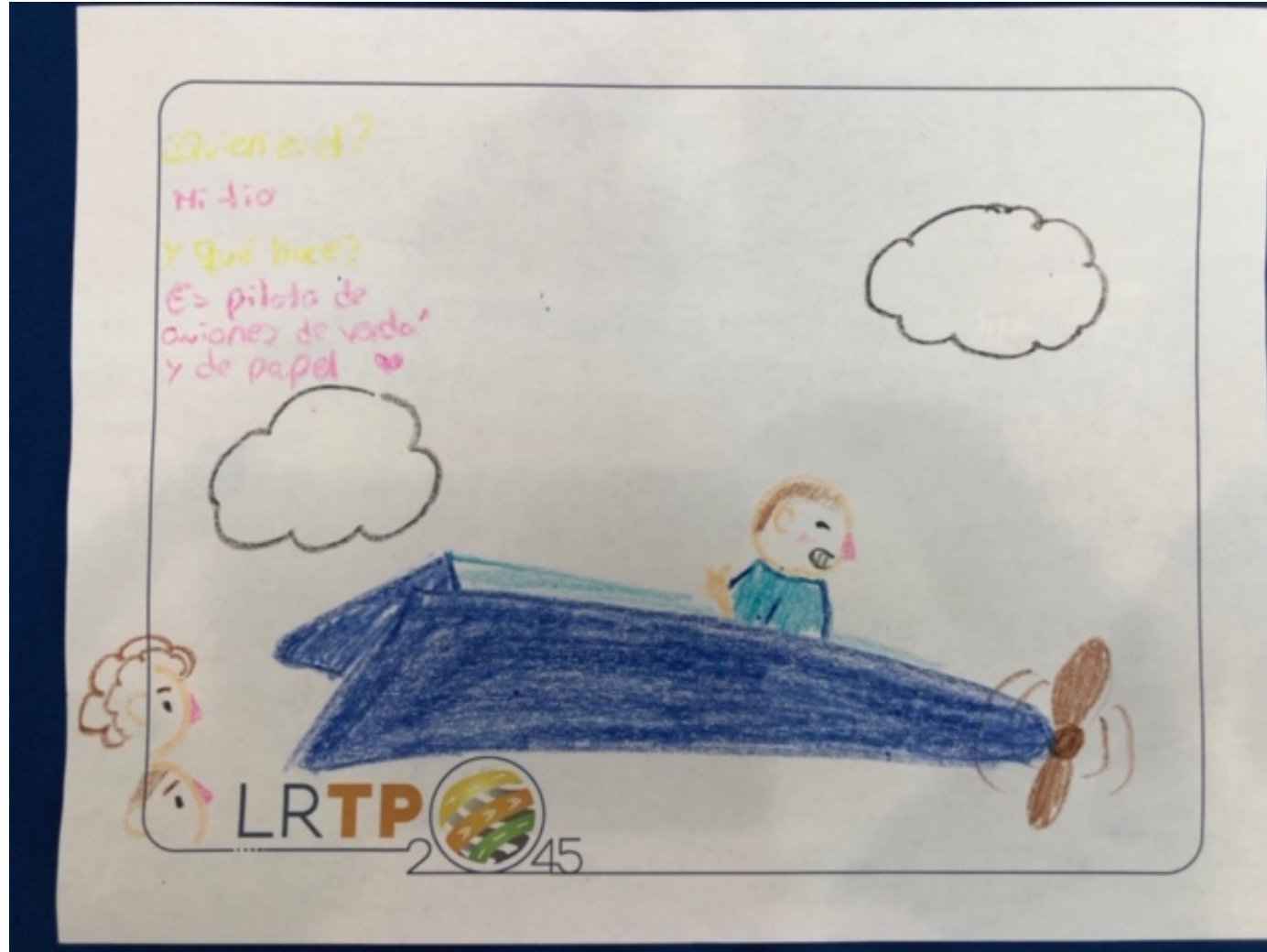
1. What mode(s) of transportation do you use the most to get around Miami-Dade County?
   - ◼ Transit (Metrorail, Metromover, Metrobus)
   - ◼ Municipal Circulator
   - ◼ Personal Vehicle
   - ◼ Walk
   - ◼ Bicycle
   - ◼ On Demand / Rideshare

2. Which mode of transportation, do you think, deserves the highest level of investment for future development and expansion in Miami-Dade County?
   - ◼ Transit
   - ◼ Roadways
   - ◼ Pedestrian & Bicycle Facilities

3. Limited resources are available to afford improvements to the transportation system in Miami-Dade County. I think additional funding sources are needed for expansion and operations of our transportation system.
   - ◼ Agree
   - ◼ Disagree

4. I am in favor of additional locally dedicated resources to support increasing transit services.
   - ◼ Agree
   - ◼ Disagree

5. If you are in favor of additional locally dedicated resources, what method would you like to see implemented:
    - ☐ Sales Tax
    - ☐ Gas Tax
    - ☐ Tolls
    - ☐ Property Tax
    - ☐ Other _____

6. What future technology do you think will be the most useful to help make our transportation more efficient?
    - ☐ Connected Vehicles
    - ☐ Autonomous Vehicles
    - ☐ Electric Vehicles
    - ☐ Transportation Network Companies – On Demand Service

7. Do you carpool or would you be open to carpooling as a way to reduce congestion?
    - ☐ Yes
    - ☐ No

8. What do you think are the most important transportation projects for the future?
    Transit: _____
    Highway: _____
    Non-Motorized (Bicycle/Pedestrian): _____

Goal/Objective	Scenario Measure	Project Measure	System Measure	National Performance Management Measures	National Goals
1. Improve Transportation System & Travel				Person miles traveled on the Interstate that are reliable Person miles traveled on the Non-Interstate NHS that are reliable TTT Reliability	System Reliability Congestion Reduction
Objective: Provide a comprehensive transportation network that provides dependable and reliable transportation options					
	Highway Lane - Miles	This objective measures the physical mode characteristics of the system by mile.	Highway Lane - Miles		
	Highway Managed Lanes - Miles		Highway Managed Lanes - Miles		
	Transit Route Miles		Transit Route Miles		
	Transit Revenue Miles (total or by mode)		Transit Revenue Miles (total or by mode)		
	Premium Transit - Express Bus, BRT, Rail Route Miles		Premium Transit - Express Bus, BRT, Rail Route Miles		
	Bicycle/Pedestrian Facilities - Miles		Bicycle/Pedestrian Facilities - Miles		
	Truck Only Lanes/Passing Zones - Miles		Truck Only Lanes/Passing Zones - Miles		
Objective: Improve Congestion					
	Reduce VMT	This objective measures the system performance.	VMT		
	Reduce Vehicle Hours of Delay		Vehicle Hours of Delay		
	Reduce Vehicle Hours Traveled		Vehicle Hours Traveled		
	Increase Peak Period Speed (mph)		Peak Period Speed (mph)		
	Percent Lane Miles with LOS F		Percent Lane Miles with LOS F		
	Reduce Work Trip Length		Work Trip Length		
	Increase Transit Boardings		Transit Boardings		
	Transit Mode Share		Transit Mode Share		
	Reduce Trips by Auto		Trips by Auto		
	Mode Shift to Bike/Ped		Mode Shift to Bike/Ped		

Goal/Objective	Scenario Measure	Project Measure	System Measure	National Performance Management Measures	National Goals
2. Increase the Safety of the Transportation System for All Users				Number of Fatalities	
Objective: Improve the safety of the transportation system				Fatality Rate per 100 million VMT	
	Give priority to safety projects.	Is the project a safety project?	Number of safety projects in the scenario.		
Objective: Promote projects in high crash locations - (locations with the highest number of crashes)				Number of Serious Injures	
	Number of projects located in high vehicle crash locations.	Is the project located in a high vehicle crash location?	Number of projects located in high vehicle crash locations.	Serious Injury Rate per 100 million VMT	
	Number of projects located in high non-motorized crash locations.	Is the project located in a high non-motorized crash locations?	Number of projects located in high non-motorized crash locations.	Number of Combined Non-Motorized Fatalities and Serious Injuries	Safety
Objective: Improve safety of the transportation system for the elderly and disabled. Provide educational opportunities for elderly populations to learn about TNCs.					
	Transit accessibility within 1/4 mile of concentration of elderly/disabled populations	Does the project provide transit accessibility within 1/4 mile of a concentration of elderly/disabled populations.	Number of projects that provide transit accessibility within 1/4 mile of a concentration of elderly/disabled populations.		
3. Increase the Physcial Security of the Transportation System for All Users (for motorized and non-motorized users)					
Objective: Provide safe and reliable evacuation routes.					
	Number of projects located along evacuation routes or that provide critical links to evacuation routes.	Does the project improve an evacuation route or provide a critical link?	Number of projects located along evacuation routes or that provide critical links to evacuation routes.		
	Number of projects on roads known to flood in heavy rain.	Is the project on a road known to flood in heavy rain.	Number of projects on roads known to flood in heavy rain.		
Objective: Promote growth outside of areas vulnerable to flooding					
	Percentage of households living in storm Serge Planning Zones A & B.	A system measure	Percentage of households living in storm Serge Planning Zones A & B.		

2045 LRTP Performance-Based Planning & Programming

| Goal/Objective	Scenario Measure	Project Measure	System Measure	National Performance Management Measures	National Goals
4. Support Economic Vitality					
Objective: Provide affordable housing					
	Percent income spent on housing and transportation by households.	These measures are on the system level.	Percent income spent on housing and transportation by households.	TTRI	Freight Movement and Economic Vitality
	Proximity of new housing units to employment centers (10 min walk - 1/2 mile).		Proximity of new housing units to employment centers (10 min walk - 1/2 mile).		
	Proximity of new and existing housing units to transit (10 min walk - 1/2 mile).		Proximity of new and existing housing units to transit (10 min walk - 1/2 mile).		
	Percentage of new single family home vs attached homes outside of city centers.		Percentage of new single family home vs attached homes outside of city centers.		
Objective: Improve access to employment centers					
	Number of jobs within 10 min walk - 1/2 mile	These measures are on the system level.	Number of jobs within 10 min walk - 1/2 mile		
	Number of jobs within 30 mins by vehicle		Number of jobs within 30 mins by vehicle		
	Additional jobs assesscible by transit (10 min walk - 1/2 miles)		Additional jobs accessible by transit (10 min walk - 1/2 miles)		
Objective: Provide access to tourist destinations - seaports, airport, beaches, etc.					
	Additional trips to tourist destinations (by mode?) vehcile and transit	Does the project connect to a tourist destination	Number of projects that connect to a tourist destination		
Objective: Improve freight connectivity and access.					
	Number of projects that improve freight connectivity.	Does the project improve freight connectivity i.e. is it located in a truck bottleneck location.	Number of projects that improve freight connectivity i.e. is it located in a truck bottleneck location.		
	Number of projects that provide freight connectivity to seaport, airports, beaches, etc.	Does the project provide freight connectivity to seaport, airports, beaches, etc.	Number of projects that provide freight connectivity to seaport, airports, beaches, etc.		

Goal/Objective	Scenario Measure	Project Measure	System Measure	National Performance Management Measures	National Goals
5. Protect & Preserve Environment & Quality of Life and Promote Energy Conservation					
Objective: Preserve agricultural land or critical habitat consumed by transportation projects					
	Percent of population served by premium transit.	A system measure	Percent of popultaion served by premium transit.		
	Acres of agricultural land or critical habitat assessible by transportation projects	Does the project provide access to agricultural land or critical habitat.	Acres of agricultural land or critical habitat assessible by transportation projects		
Objective: Minimize and mitigate air and water quality impacts of transportation facilities, services and operations					
	Tons per day (NOx, CO, VOC)	A system measure	Tons per day (NOx, CO, VOC)		
	Surface coverage of new projects on acres of wetlands	Does the project avoid encrouchment of wetlands?	Surface coverage of new projects on acres of wetlands		
	Increase in tons of carbon and other GHGs released into atmosphere by 2045	A system measure	Increase in tons of carbon and other GHGs released into atmosphere by 2045		
	"Everglades" Wetlands Consumed (acres)	Does the project avoid "Everglades" wetlands?	"Everglades" Wetlands Consumed (acres)		
	Water Conserved (based on land use)	A system measure	Water Conserved (based on land use)		
Objective: Promote projects that support urban infill and densification					
	New highway lane miles within Urban Infill Area	Is the project within the Urban Infill Area?	New highway lane miles within Urban Infill Area		Environmental Sustainability
	New transit service miles within Urban Infill Area	Is the new transit service within the Urban Infill Area?	New transit service miles within Urban Infill Area		
Objective: Provide affordable transit service from identified Communities of Concern to major activity centers (i.e. healthcare, recreation, education, employment, and cultural facilities).					
	Transit service route miles that serve Communities of Concern that are within a 1/2 mile of healthcare, recreation, education, and cultural facilities.	Does the new transit service route miles serve Communities of Concern that are within a 1/2 mile of healthcare, recreation, education, and cultural facilities.	Transit service route miles that serve Communities of Concern that are within a 1/2 mile of healthcare, recreation, education, and cultural facilities.		
	Percent of low-income households within a ½ mile of transit	A system measure	Percent of low-income households within a ½ mile of transit		
Objective: Improve the Quality of Life					
	Average commute time for households living 1/2 mile from transit	A system measure	Average commute time for households living 1/2 mile from transit		
	Average commute time	A system measure	Average commute time		
Objective: Increase share of affordable housing in Communities of Concern.					
	Share of affordable housing units to total residential units in identified Communities of Concern.	A system measure	Share of affordable housing units to total residential units in identified Communities of Concern.		

Goal/Objective	Scenario Measure	Project Measure	System Measure	National Performance Management Measures	National Goals
6. Enhance the Integration & Connectivity of the System Across & Between Modes, for People and Freight					Freight Movement and Economic Vitality
Objective: Improve connectivity to SIS and intermodal facilities					
	New highway centerline miles on SIS connectors	Is the project on a SIS Connector?	New highway centerline miles on SIS connectors		System Reliability
	New connections to SIS hubs by mode	Is the project a new SIS Connector?	New connections to SIS hubs by mode		
7. Optimize Sound Investment Strategies for System Improvement and Management Operation					Reduce Project Delivery Delays
Objective: Optimize investments on local facilities.					
	Travel time savings	System Measures	Travel time savings		
	Daily trips (auto, transit)		Daily trips (auto, transit)		
	Economic Return on Transit Investment		Economic Return on Transit Investment		
	Cost (Transportation, Water, Sewer, Utilities)		Cost (Transportation, Water, Sewer, Utilities)		
8. Preserve Existing System					Environmental Sustainability
Objective: Improve the resiliency/reliability of the transportation system.					Infrastructure Condition
	Percentage of projects located within the flood plain	Does the project avoid flood plains.	Percentage of projects located within the flood plain	Percent of Interstate System Pavement in Good Condition	
	Number of households located within the flood plain	A system measure	Number of households located within the flood plain	Percent of Interstate System Pavement in Poor Condition	
Objective: Preserve infrastructure (sustainability and resilience)				Percent of Non-Interstate NHS Pavement in Good Condition	
	Miles of new projects in flood zones	Does the project avoid flood zones?	Miles of new projects in flood zones	Percent of Non-Interstate Pavement in Poor Condition	
	Preserve existing roadways.	Does the project improve the existing pavement in poor condition.	Number of projects that improve the existing pavement in poor condition.	Percent of NHS Bridg Deck Area in Good Condition	
	Perserve exiting bridges.	Does the project improve a bridge in poor condition.	Number of projects that improve a bridge in poor condition.	Percent of NHS Bridge Deck Area in Poor Condition	

LRTP-TIP/Period	I		II	III	IV
Projections for 2040 LRTP	2019-2020		2021-2025	2026-2030	2031-2040
2040 LRTP	2019-2020 TIP (2015-2019) + 2020		2021-2025	2026-2030	2031-2040
Corresponding TIP is 2015/2019 TIP					
Projections for 2045 LRTP	2020	2021-2025	2026-2030	2031-2035	2036-2045
2045 LRTP	2020-2025 TIP (2020-2024)+ 2025		2026-2030	2031-2035	2036-2045
Corresponding TIP 2020-2024 TIP					

		2021-2025	2026-2030	2031-2035	2036-2045	TOTAL 2020-2045
Total Revenue (in millions)	TMA / SU Funds	$40.2	$201.0	$201.0	$402.1	$844.4
	Transportation Alternatives (TALU)	$3.2	$16.2	$16.2	$32.4	$68.1
	Other Arterials	$125.1	$824.2	$910.9	$2,023.4	$3,883.6
	TRIP (District 6)	$4.0	$29.4	$32.7	$67.0	$133.1
	Local Gas Taxes	$108.9	$572.2	$601.4	$664.3	$1,946.8
	TOTAL	$ 281	$ 1,643	$ 1,762	$ 3,189	$ 6,876

2040 BIKE/PED Set Aside (in millions)	2021-2025	2026-2030	2031-2035	2036-2045	TOTAL 2020-2045
TMA (6%)	$ 2.4	$ 12.1	$ 12.1	$ 24.1	$ 51
Transportation Alternatives (TALU) (80%)	$ 2.6	$ 13.0	$ 13.0	$ 25.9	$ 54
TOTAL	$ 5.0	$ 25.0	$ 25.0	$ 50.1	$ 105

2040 Congestion Management Set Aside (in millions)	2021-2025	2026-2030	2031-2035	2036-2045	TOTAL 2020-2045
Other Arterials (5%)	$ 6.3	$ 41.2	$ 45.5	$ -	$ 93
Local Gas Taxes (5%)*	$ 5.4	$ 28.6	$ 30.1	$ -	$ 64
TOTAL	$ 11.7	$ 69.8	$ 75.6	$ -	$ 157

2040 FREIGHT Set Aside (in millions)	2021-2025	2026-2030	2031-2035	2036-2045	TOTAL 2020-2045
TMA (5%)	$ 2.0	$ 10.1	$ 10.1	$ 20.1	42
Other Arterials (5%)	$ 6.3	$ 41.2	$ 45.5	$ 101.2	194
TRIP (5%)	$ 0.2	$ 1.5	$ 1.6	$ 3.4	7
TOTAL	$ 8.5	$ 52.7	$ 57.2	$ 124.6	$ 243
Total Set Asides	$ 25	$ 148	$ 82	$ 175	$ 430
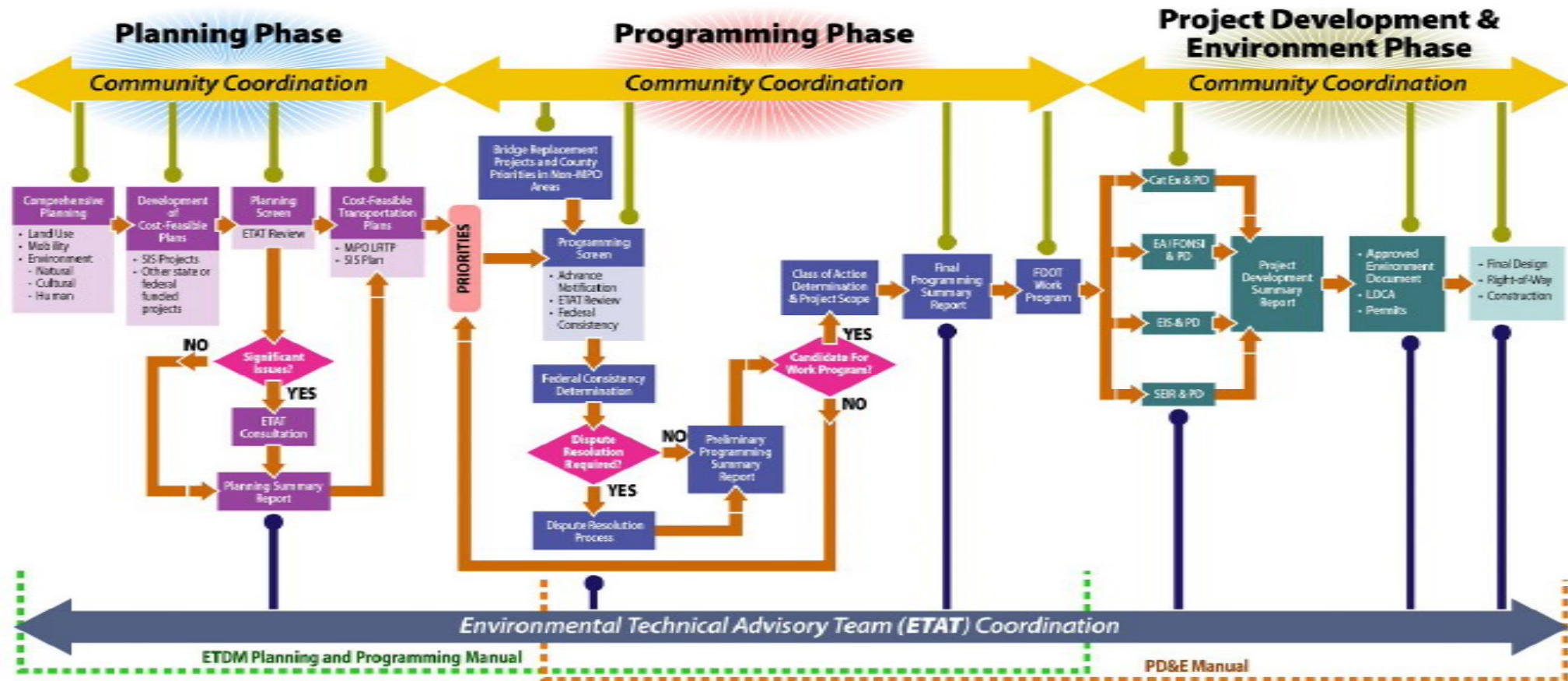
- Purpose & Need
- Hurricane Preparedness / Lessons Learned
- Project Updates
  - Bike/Ped Plan
  - CMP
- Next Steps

Next Meeting:

May , 2019