



Alaska Department of Transportation & Public Facilities

Planning & Investment Decision Making

The Path Forward

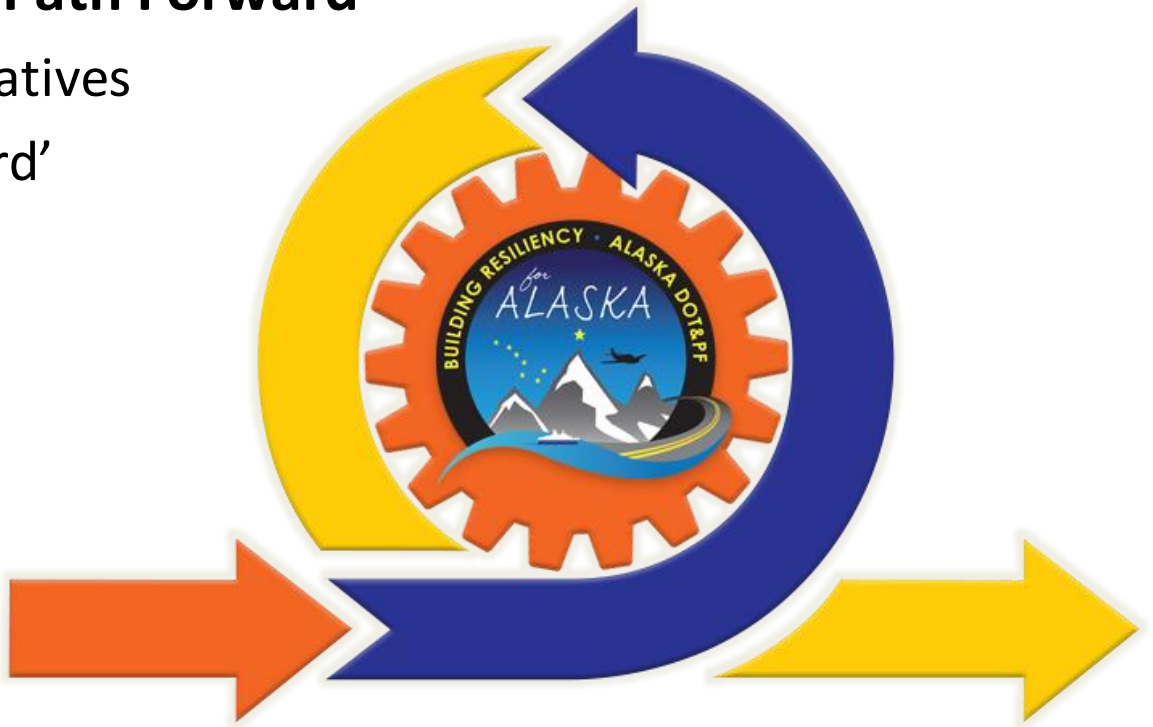
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Division Director
Planning & Program Development

April 17, 2023

Our mission is to *Keep Alaska Moving* through service and infrastructure.

Agenda

- 1) **Retrospective: Planning Regulations (17AAC05)**
- 2) **Planning: The Last Quarter**
 - 1) Mapping out Solutions
 - 2) Researching, truth-testing and narrowing solutions
- 3) **Implementation: The Path Forward**
 - 1) Discussion of Alternatives
 - 2) Best-fit 'Path Forward'



RETROSPECTIVE



Regulatory Framework

❑ 17 AAC 05.170 - Classification

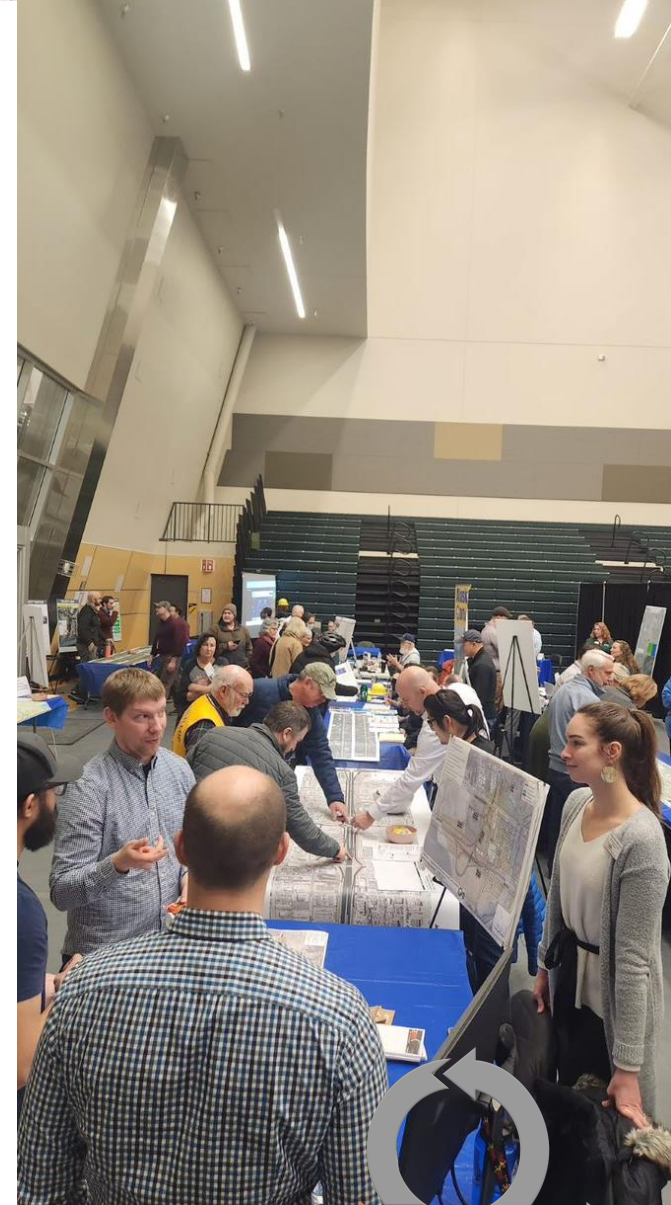
- ❑ National Highways System (NHS)
- ❑ Alaska Highways System (AHS)
- ❑ Community Transportation Program (CTP)
- ❑ Trails & Recreational Access for Alaskans (TRAAK)

❑ 17 AAC 05.175 - Project Evaluation & Selection

- ❑ Definitions of Urban Rural & Remote Areas
- ❑ Evaluation Criteria for each 'Area'
- ❑ Project Evaluation Board Membership
- ❑ Process Steps and Approval Framework

❑ 17 AAC 05.195 - Funding Distribution

- ❑ 48% to National Highway System
- ❑ 8% to Alaska Highway System
- ❑ 39% to Community Transportation Program
- ❑ 2% to Trails & Recreational Access for Alaska



Key Challenges & Opportunities

PROS

- Distribution attempts to maintain minimum essential investment in underserved areas
- Criteria for Remote is not measured by AADT or Functional Classification
- Criteria for Remote values access to critical services and infrastructure
- Criteria for Urban values volume, capacity and correction of road standards

CONS

- Criteria does not work for expansion, new connections, 'building new'
- Criteria must be applied evenly and does not support variable criteria
- Project categories don't support new federal programs & eligibility
- Categories restrict flexibility and agile response to needs and conditions in Rural Alaska hamstrung
- Current programs don't exist federally
- Rural is non-competitive to Urban
- Focus for remote is Preservation
- Only remote values Partnerships



Planning



Mapping out Solutions

LRTP

AFP

ALASKA STATEWIDE
LONG-RANGE
TRANSPORTATION PLAN
& FREIGHT PLAN

LONG RANGE TRANSPORTATION PLAN

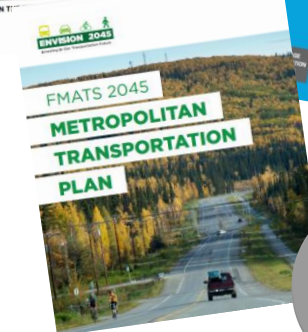
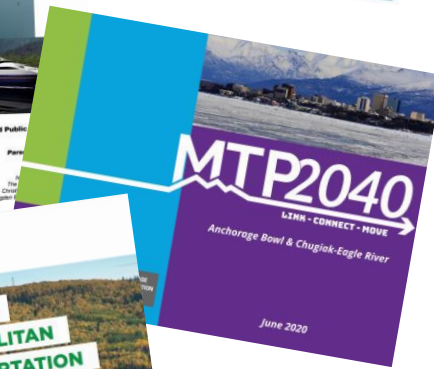
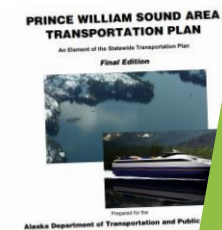
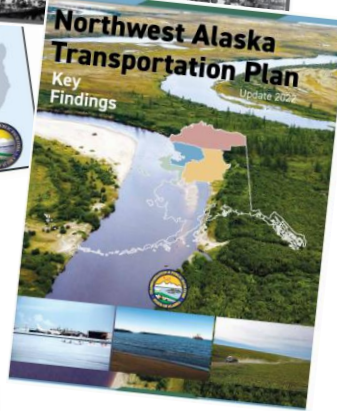
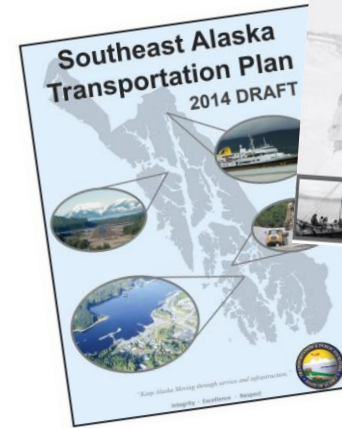
- Investment Areas
- Long Range Goals & Objectives, KPI's & Metrics

AREA, MPO, RPO & COMMUNITY PLANS

- Regional Priorities
- Multimodal mix

DATA-DRIVEN OR INFORMED DECISIONS

- Better and more data
- Data business plan (DBP)

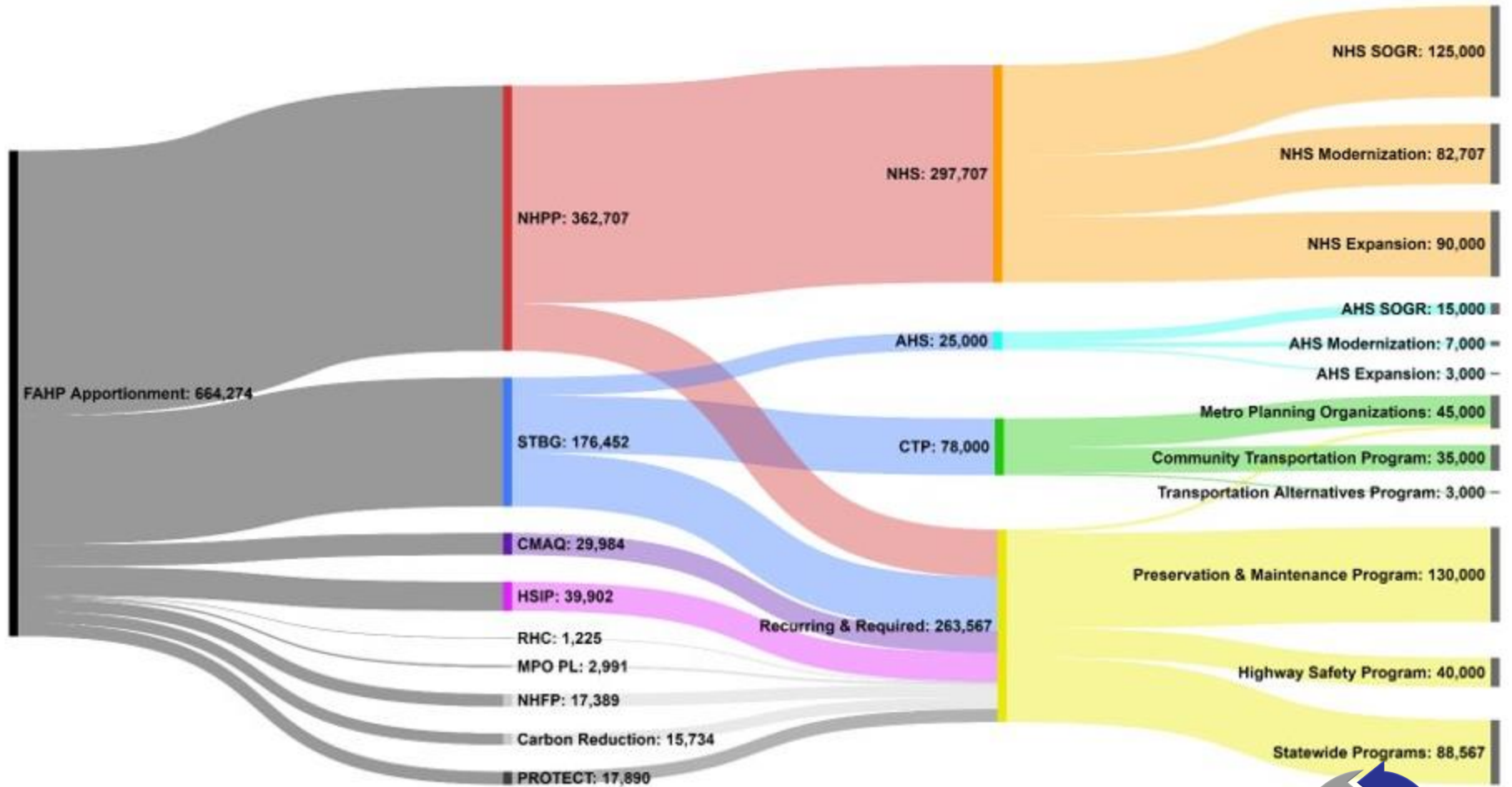


Funding Distributions

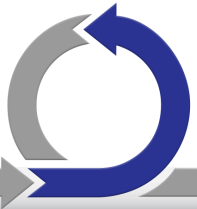
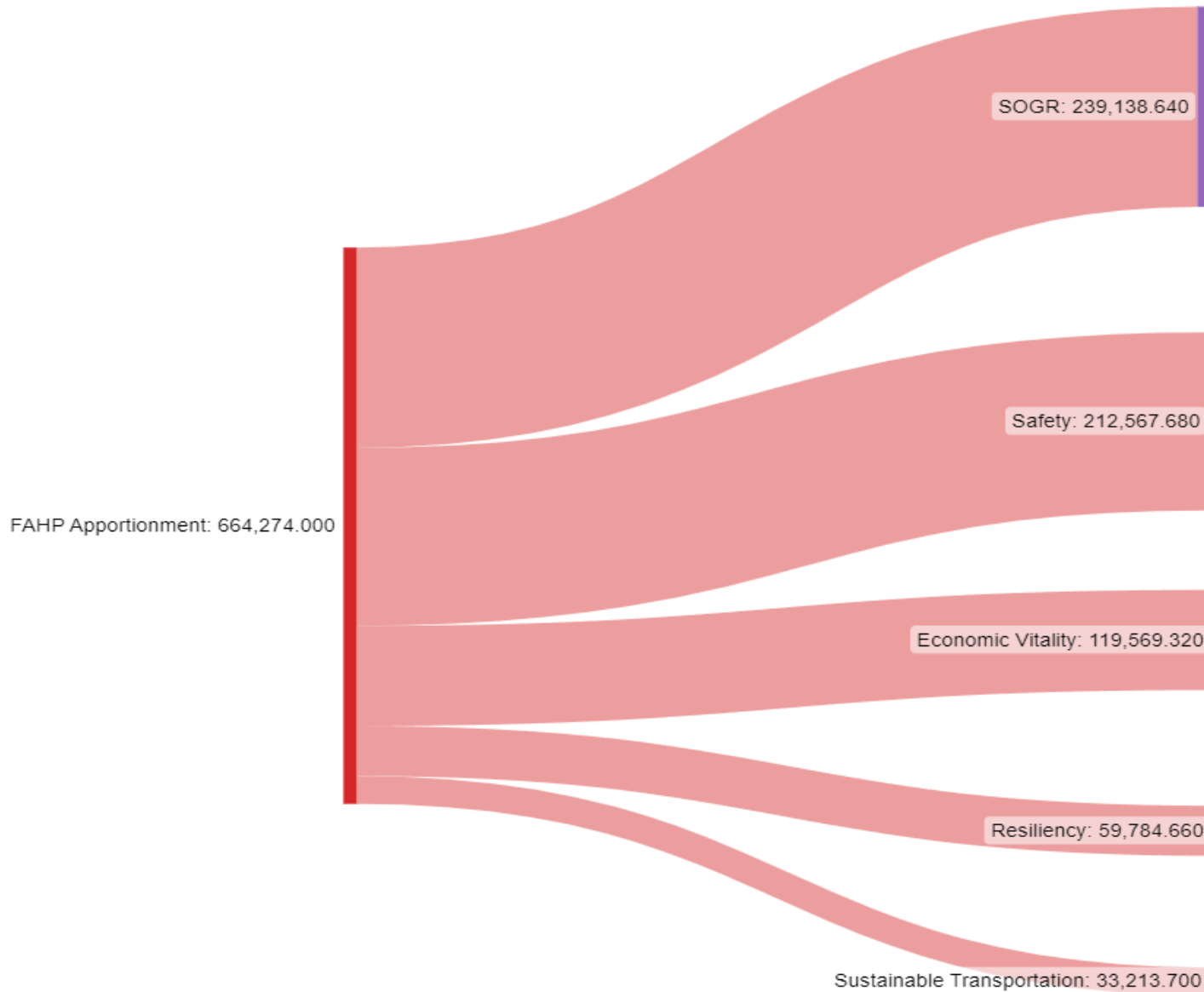
FAHP Total Apportionment

Core FAHP Programs

Program Allocations



L RTP Investment Areas?



Equitable Distribution Among Areas

- **Urban, Rural, Remote**
 - Modal and connectivity
 - Access to opportunities
 - Equity & Equality
 - Cost of Living & Construction/Capital
- **Do we look at Livability?**
- **Do we create a Index?**
- **What do other States do?**
- **What is the national perspective?**



Utah's Healthy Places Index

HPI Score (3.0): 23.7 percentile

Less → More healthy conditions



This Tract has healthier community conditions than 23.7% of other Utah Tracts.

Tract 1306

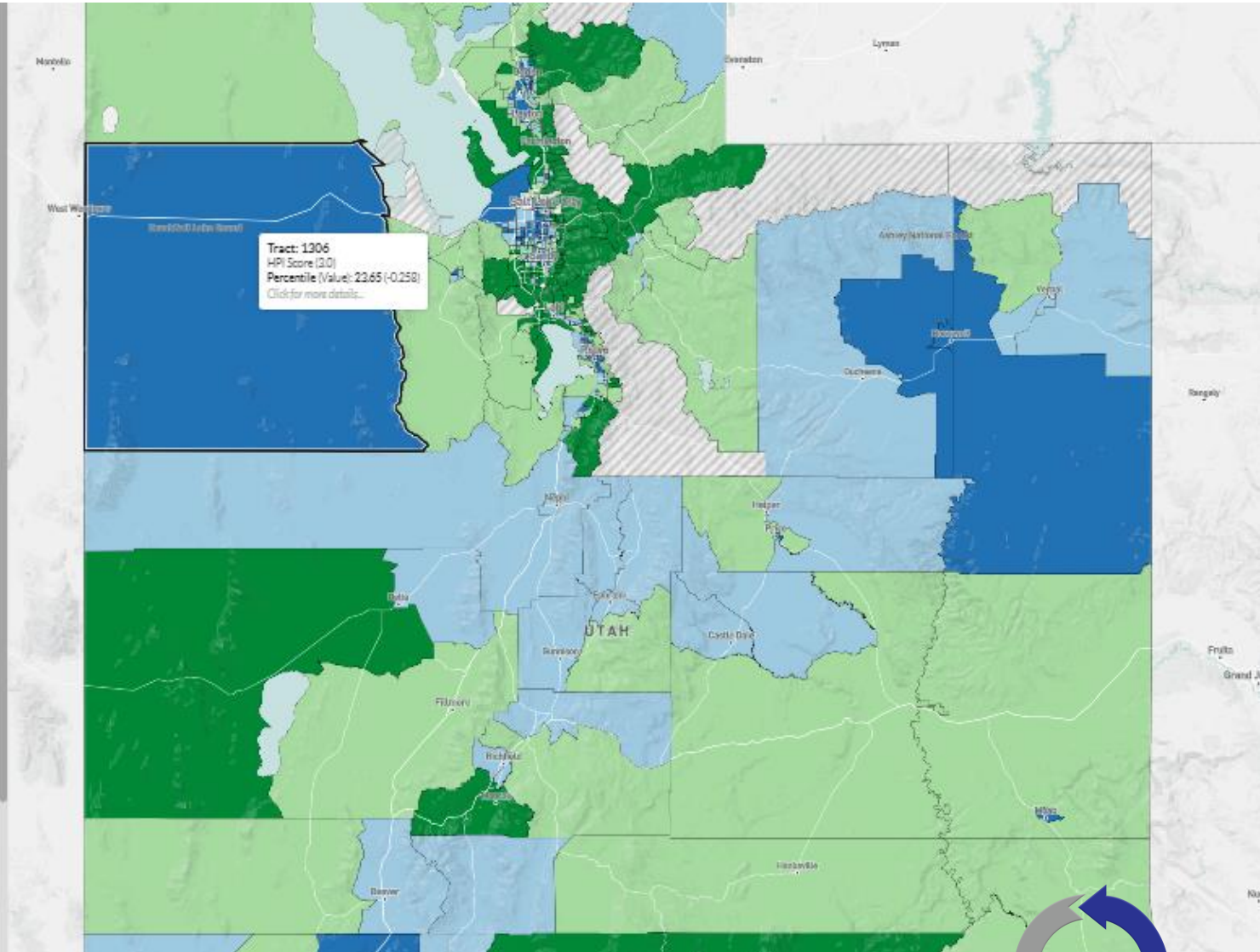
County > Tract
Tooele > 1306

Population: 1,871

Policy Action Areas

- Education
- Transportation
- Housing
- Social
- Clean Environment
- Neighborhood
- Healthcare Access
- Economic

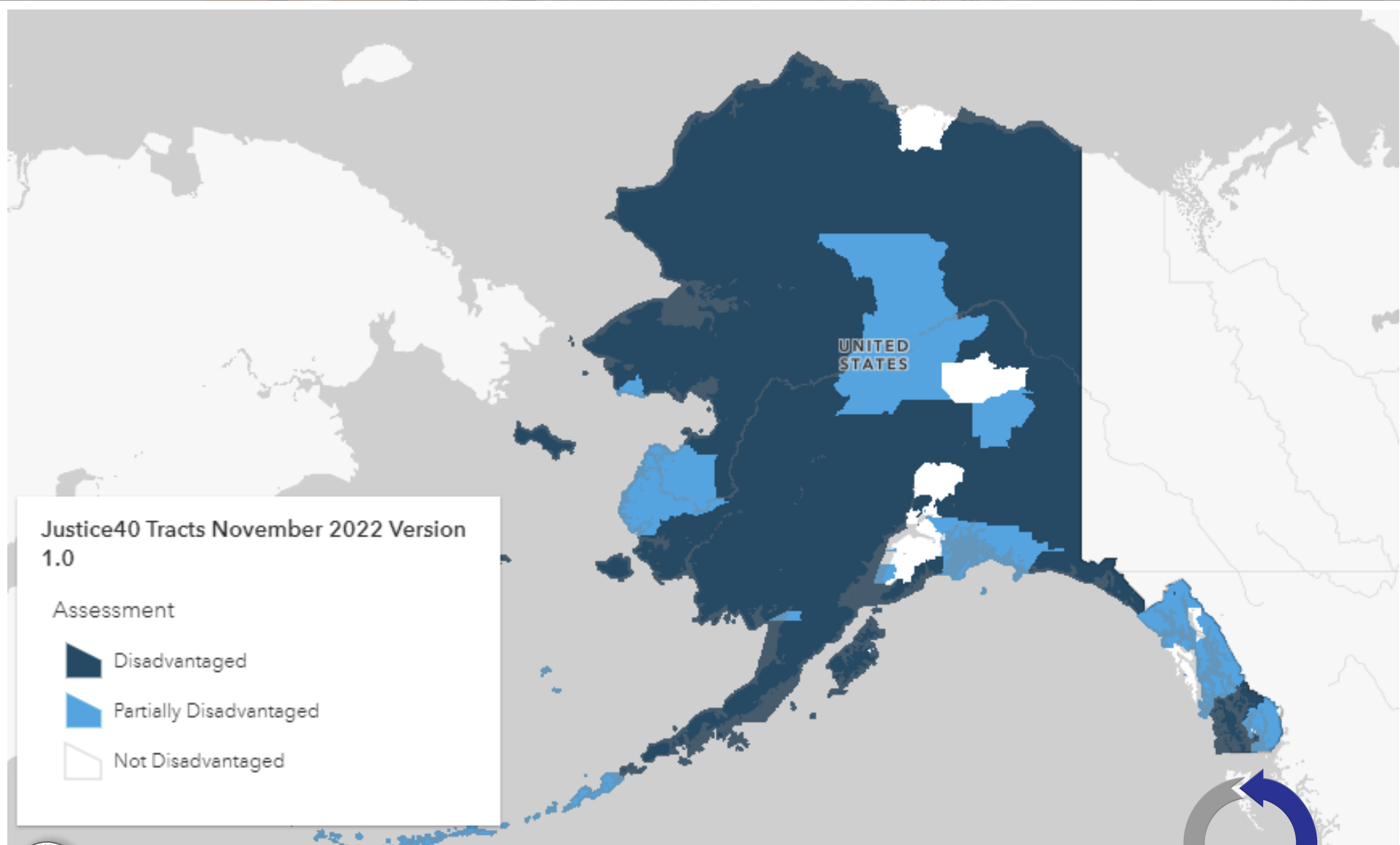
Health and Racial Equity



<https://map.utah.healthyplacesindex.org/>






Justice 40 Census Tracts



Justice40 Tracts November 2022 Version 1.0

Assessment

-  Disadvantaged
-  Partially Disadvantaged
-  Not Disadvantaged

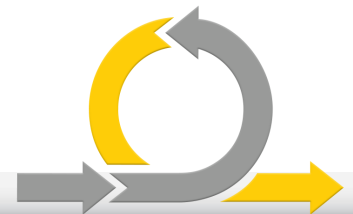


Deployment



Options?

- **Provide updates to regulations**
 - Clean up programs to make the relevant to IIA
 - Tweaks to criteria
 - Updates to definitions
- **What are Other States Doing?**



What are Other States Doing?

Strategic Investment Plans (SIP)

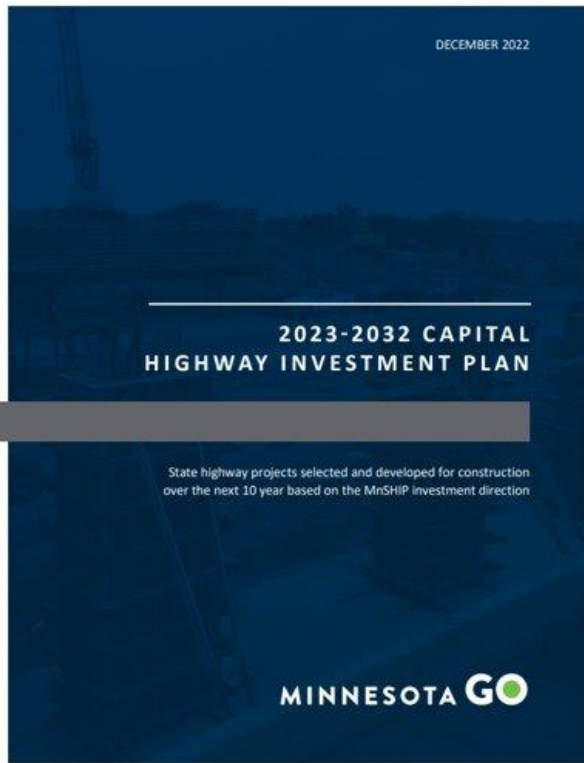


A public facing document that details an agency's program development process, funding distribution methodology, project evaluation & selection, and possibly a long range investment plan such as projects over a 10 year planning horizon.

General, Typical Timeframe



MNDOT CHIP



Document Outline

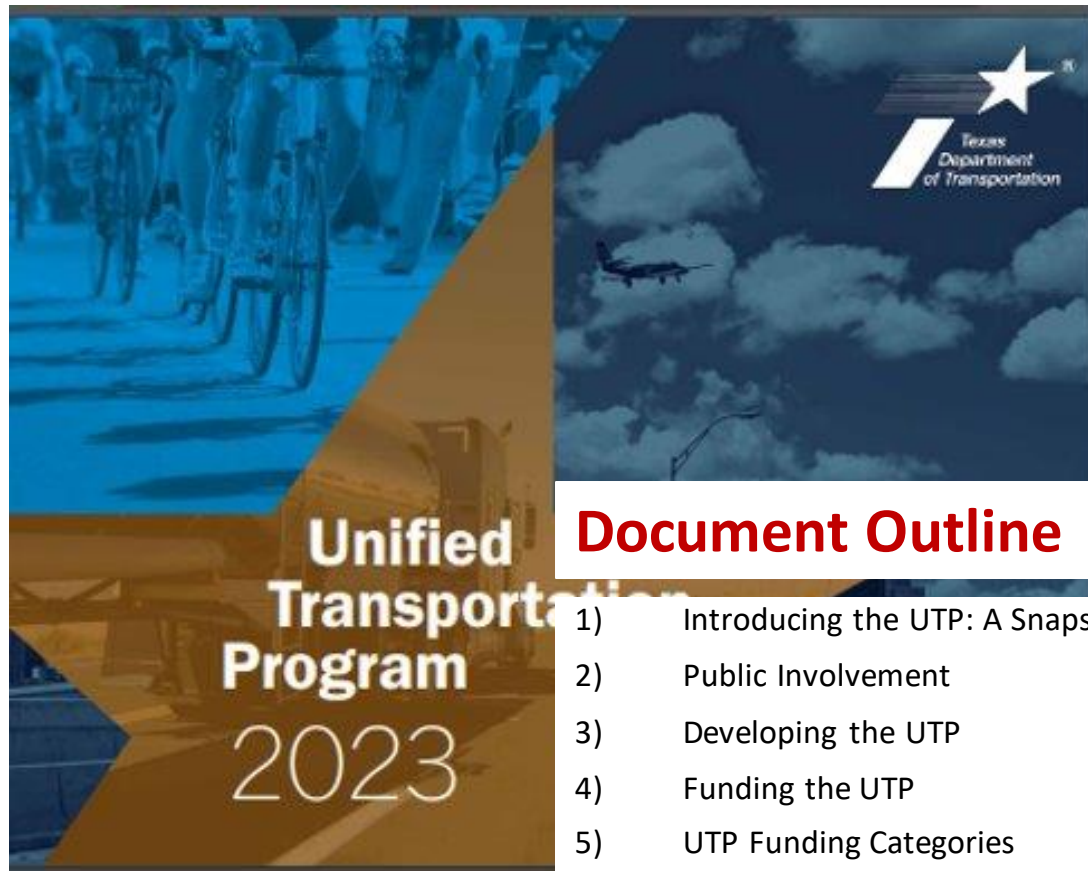
- 1) Purpose of 10-Year Capital Highway Investment Plan
- 2) Project Selection and Investment
- 3) Summary of Investment Plan
- 4) Project Highlights
- 5) Investment Comparisons
- 6) Remaining Undermanaged Risks

Supplemental Material

- i. District CHIP Project Lists
- ii. Interactive Web Map to Explore Projects by Geography and Project Type
- iii. Links to Project Selection Process and Policy



TXDOT UTP



Document Outline

- 1) Introducing the UTP: A Snapshot
- 2) Public Involvement
- 3) Developing the UTP
- 4) Funding the UTP
- 5) UTP Funding Categories
- 6) Highway Project Listing [by District]
- 7) Public Transportation Program
- 8) Maritime Program
- 9) Aviation Program
- 10) Rail Program
- 11) Freight, Trade, and Connectivity

Appendices

- I. Major Transportation Projects
- II. Uses of Federal and State Funding
- III. UTP Funding Tables
- IV. Resources and Links



Others?



DECEMBER 2022

2023-2032 CAPITAL HIGHWAY INVESTMENT PLAN

State highway projects selected and developed for construction over the next 10 year based on the MHSIP investment direction

MINNESOTA GO

MICHIGAN DEPARTMENT OF TRANSPORTATION

2023-2027 FIVE-YEAR TRANSPORTATION PROGRAM

Approved by the State Transportation Commission on Nov. 12, 2022

MDOT

Proposed Highway Improvement Program

FY 2023-2028

OKLAHOMA Transportation

FFY-2023 through FFY-2030 Construction Work Plan

Unified Transportation Program 2023

Texas Department of Transportation

OKLAHOMA Transportation

FFY-2023 through FFY-2030 Construction Work Plan






20th Anniversary



Comparing SIP Sections

Typical Sections

Unique Components

SIP	Typical Sections					Unique Components					
	Purpose & Overview	Dev. Process	Revenue Levels, Sources	Summaries and Highlights	Project Lists	New Legislation	Non-Highway Programs	Inventory & Performance Trends	Expected Perf. Impact	L RTP Alignment Check	Investment & Risk Mgmt Strategies
 Illinois Department of Transportation	✓	✓	✓	✓	✓			✓			
 MDOT Michigan Department of Transportation	✓	✓	✓	✓	✓		✓	✓	✓		✓
 mn DEPARTMENT OF TRANSPORTATION	✓	✓	✓	✓	✓	✓		✓		✓	✓
 OKLAHOMA Transportation	✓	✓	✓	✓	✓						
 Texas Department of Transportation	✓	✓	✓	✓	✓		✓				



Funding Categories & Distributions



TABLE 16
FUNDING ALLOCATION SUMMARY

FUNDING CATEGORY	2023 UTP FUNDING DISTRIBUTION
1. Preventive Maintenance and Rehabilitation	\$ 16,648,909,956
2. Metro and Urban Area Corridor Projects	\$ 10,751,683,174
3. Non-Traditionally Funded Transportation Projects	\$ 4,932,482,742
4. Statewide Connectivity Corridor Projects	\$ 12,230,574,358
5. Congestion Mitigation and Air Quality Improvement	\$ 2,322,790,000
6. Structures Replacement and Rehabilitation (Bridge)	\$ 4,178,006,000
7. Metropolitan Mobility and Rehabilitation	\$ 5,740,408,284
8. Safety Projects	\$ 3,739,951,654
9. Transportation Alternatives	\$ 1,716,889,577
10. Supplemental Transportation Projects	\$ 734,554,873
11. District Discretionary	\$ 4,390,781,346
12. Strategic Priority	\$ 17,677,859,790
Total UTP Funding: Categories 1-12	\$ 85,064,891,753

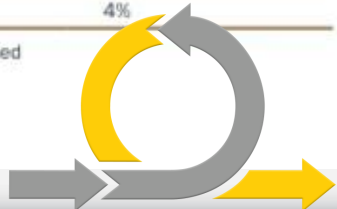


Funding Categories & Distributions

FUNDING CATEGORY	PROJECT TYPES	% OF PROGRAMMED FUNDS	STRATEGIC GOAL RANKING		
			PROMOTE SAFETY	PRESERVE OUR ASSETS	OPTIMIZE PERFORMANCE
Category 1: Preventive Maintenance and Rehab	Road surface treatment	39%		1	2
	Road rehab and restoration	37%		1	2
	Rural passing lanes (Super 2)	4%	2		1
	Traffic signals, lighting, signs	3%	1		2
	All other project types	17%			
Category 2: Metropolitan and Urban Corridors	Widening (freeway or non-freeway)	67%	2	2	1
	Freeway interchanges	16%	2		1
	Roadway operational improvements	7%	2		1
	All other project types	11%			
Category 4: Connectivity Corridors	Widening (freeway or non-freeway)	67%	2	2	1
	New-location highway	11%			1
	Roadway operational improvements	10%	2		1
	Freeway interchanges	9%	2		1
Category 5: Congestion Mitigation and Air Quality	Roadway operational improvements	34%	2		1
	Freeway interchanges	21%	2		1
	Bike and pedestrian infrastructure	15%	1		2
	Public transit, commute alternatives	10%			1
	Traffic mgmt. technology and signals	4%	2		1
Category 6: Structures (Bridge)	Bridge replacement	85%	2	1	
	Bridge rehab or widening	7%	2	1	2
	Bridge maintenance	4%		1	
	All other project types	3%			
Category 7: Metropolitan Mobility and Rehab	Widening (freeway or non-freeway)	52%	2	2	1
	New-location urban roadway	15%			1
	Roadway operational improvements	8%	2		1
	Freeway interchanges	7%			1
	Road rehab and restoration	6%		1	2
	All other project types	14%			

FUNDING CATEGORY	PROJECT TYPES	% OF PROGRAMMED FUNDS	STRATEGIC GOAL RANKING		
			PROMOTE SAFETY	PRESERVE OUR ASSETS	OPTIMIZE PERFORMANCE
Category 8: Safety	Safety improvement projects:	100%			
	Medians and safety barriers		1		
	Intersections and rail crossings		1		2
	Turn lanes and shoulders		1	2	2
	Traffic signals, lighting, signs		1		2
	All other project types				
Category 9: Transportation Alternatives	Bike and pedestrian infrastructure	59%	1		2
	Safety rest areas	28%	1		
	Border crossing facilities	7%			1
	All other project types	6%			
Category 10: Supplemental Transportation Programs	Coastal ferry facilities	33%			1
	Culverts and storm drainage	19%		1	
	Sidewalks and curb ramps	10%	1		
	Widening (freeway or non-freeway)	9%		1	
	State park roads and parking lots	8%		1	
	All other project types	21%			
Category 11: District Discretionary	Road rehab and restoration	25%		1	2
	Widening (freeway or non-freeway)	21%	2	2	1
	Rural passing lanes (Super 2)	20%	2		1
	Road surface treatment	12%		1	2
	New-location highway	6%			1
	All other project types	16%			
Category 12: Strategic Priority	Widening (freeway or non-freeway)	83%	2	2	1
	Freeway interchanges	10%	2		1
	New-location highway	3%			1
	All other project types	4%			

Note: 1 = Primary goal addressed; 2 = Secondary goal addressed



Two Primary Options

- **Provide updates to regulations**
 - Clean up programs to make the relevant to IJA
 - Tweaks to criteria
 - Updates to definitions
- **Pull out of regulations, put in a plan**
 - Regulations describe how plan is made
 - Who must be involved; public involvement?; Boards? Legislature?
 - Timing & Requirements
 - Mandatory Sections and Analyses



Questions? Thank you.

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