

Louisiana Statewide Transportation Plan

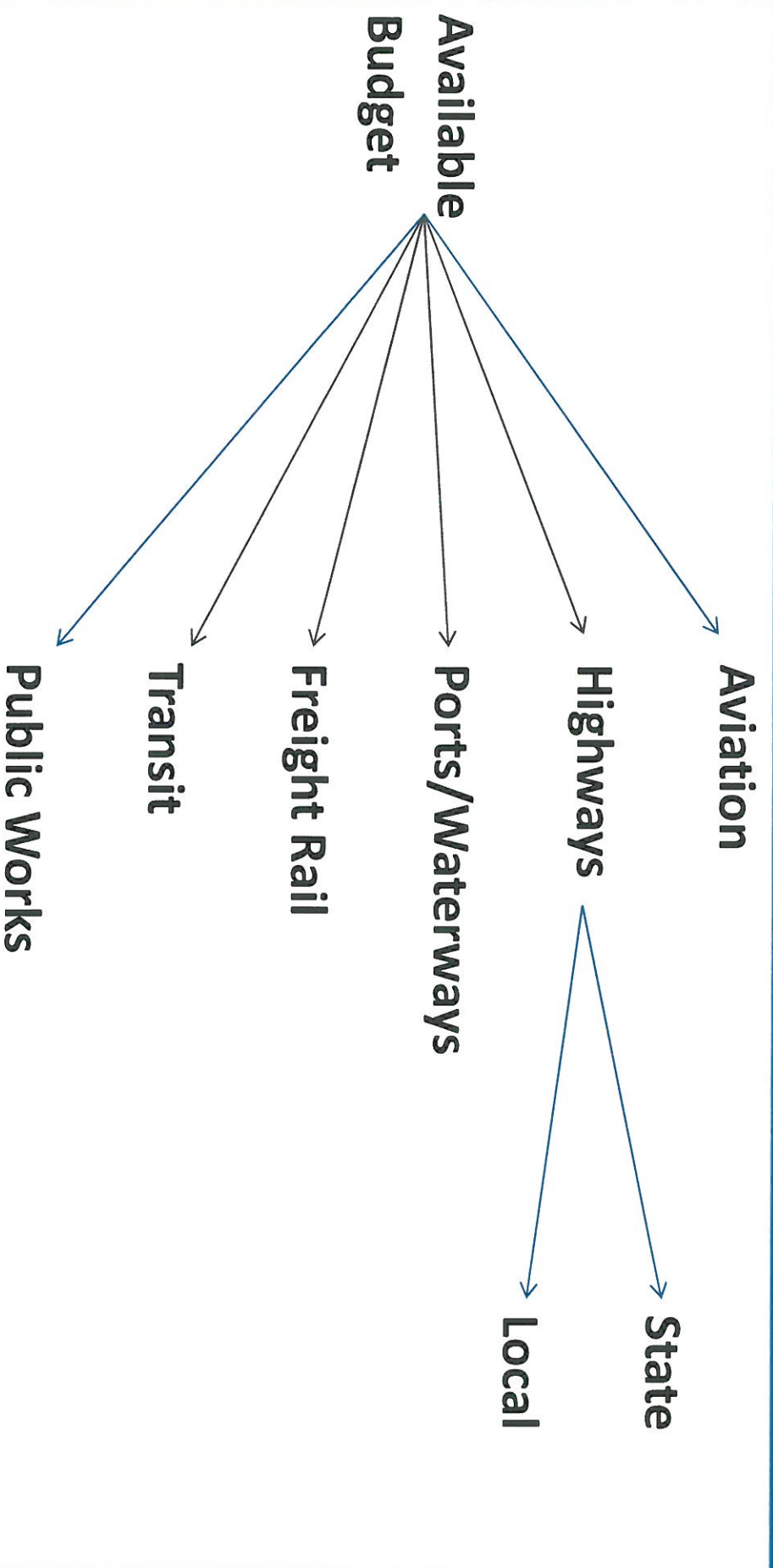


July 12, 2016

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Transportation Planning

Allocation of Resources Among Competing Needs



Transportation Planning

Allocation of Resources Among Competing Needs

What do you do; who decides and on what basis?

- **Some allocations dictated by Congress or State law.**
- **The remainder can be allocated through the statewide transportation planning process.**
- **Update of the Louisiana Statewide Transportation Plan completed and adopted in November 2015 – culmination of a nearly four-year effort of data analysis and consensus-building.**

Statewide Transportation Plan Overview

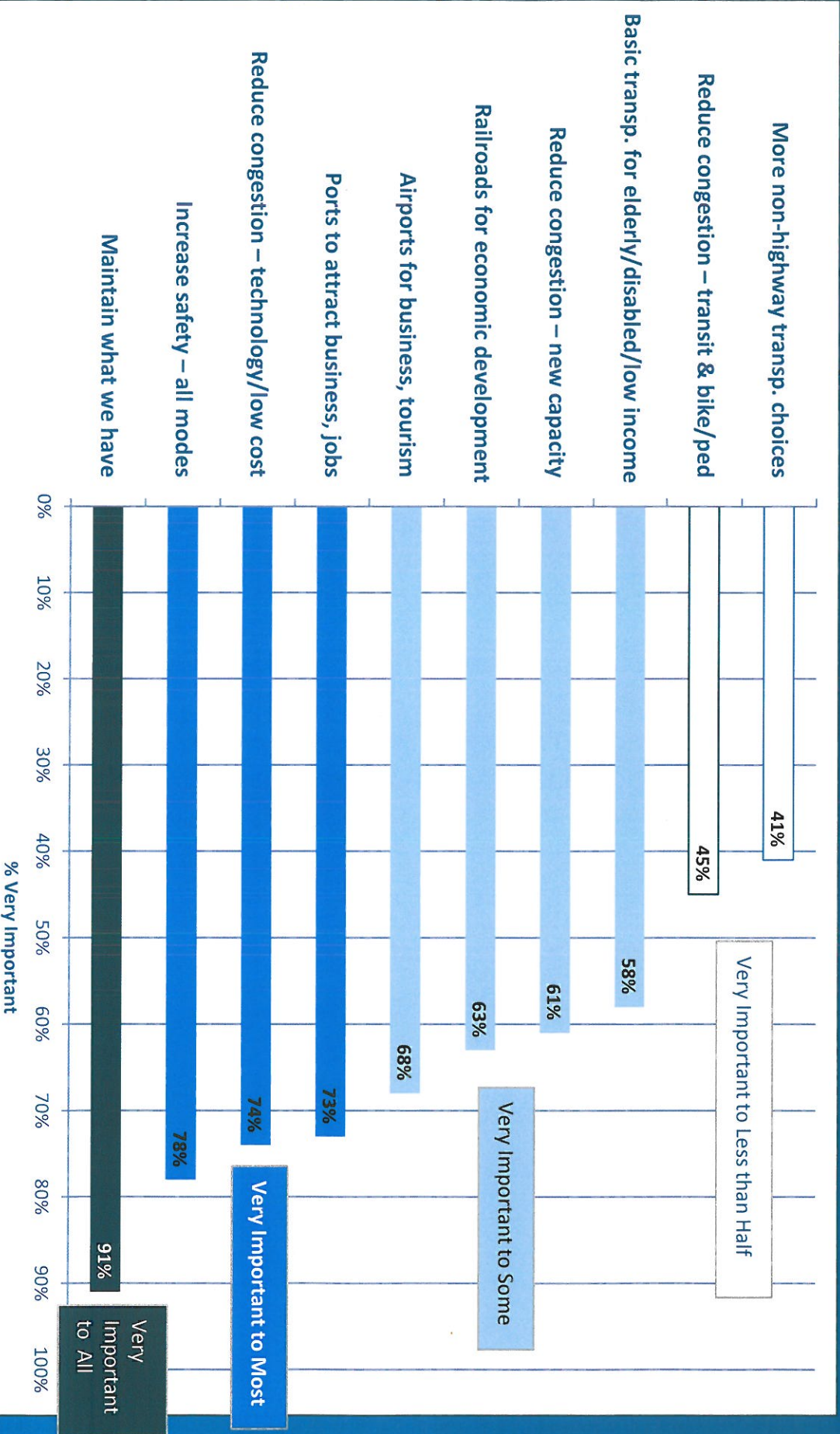
- Nearly four years in the making
- 30-year plan
- Addresses all modes of transportation – freight and passengers
- Comprehensive public involvement process
- Vision, Goals, Objectives, Performance Measures
- Extensive technical analyses
- Needs Assessment
- Four funding scenarios
- Transparent decision-making process
- Contains recommended policy actions, programs, and prioritized megaprojects

Public Survey



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Public Survey – Importance of Investments



Very Important to Less than Half

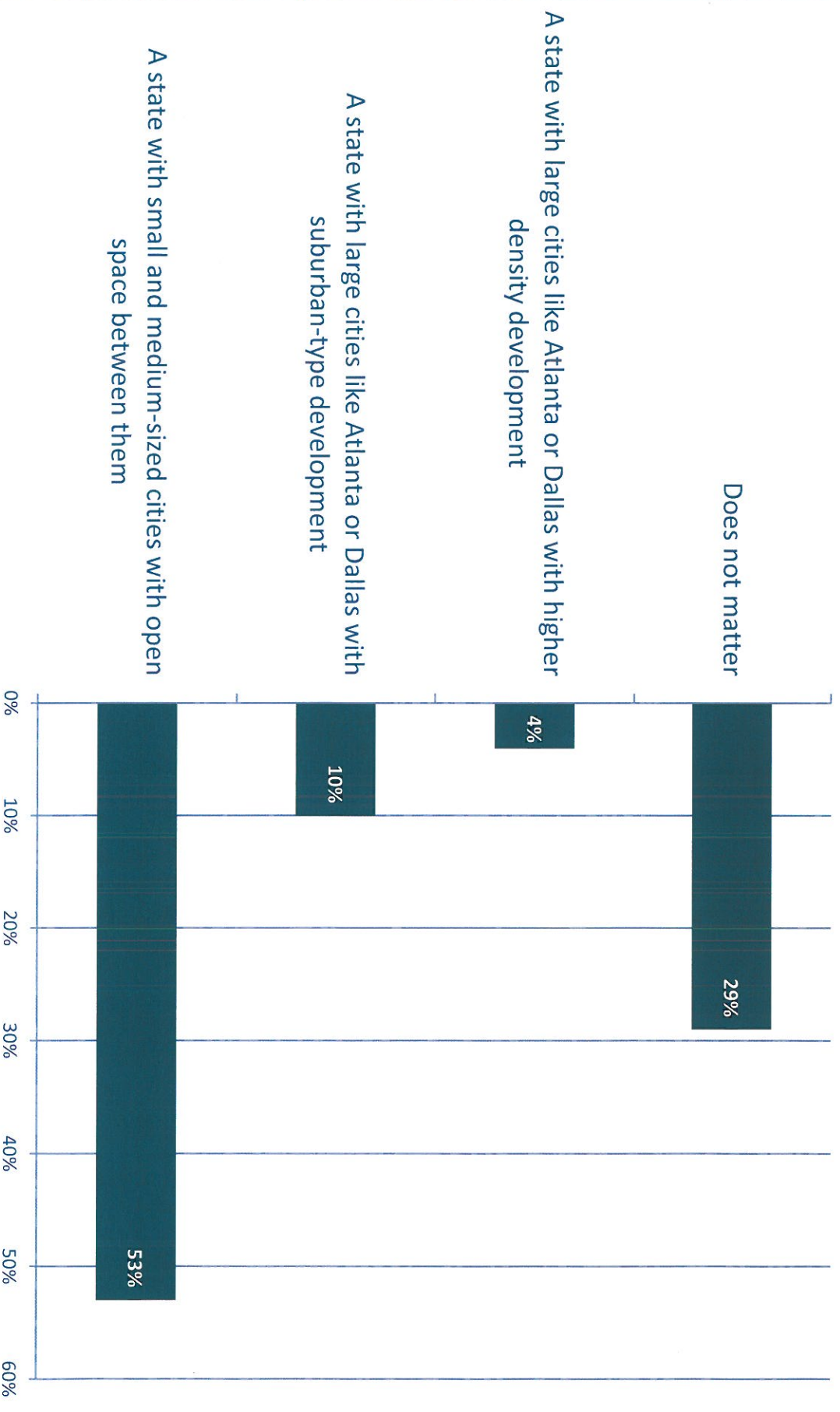
Very Important to Some

Very Important to Most

Very Important to All

% Very Important

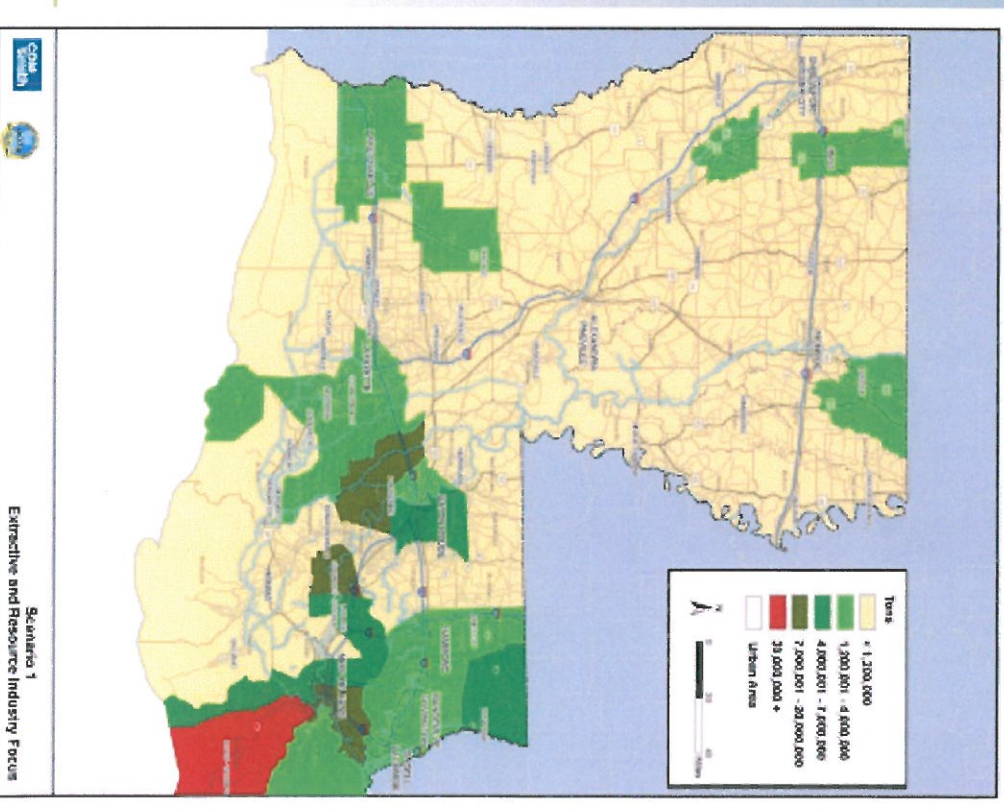
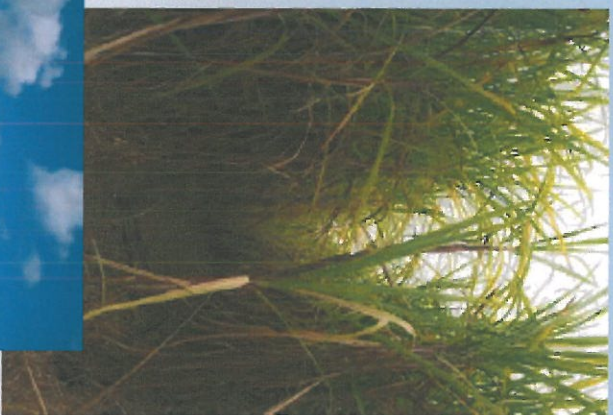
Public Survey – Future Land Use Patterns



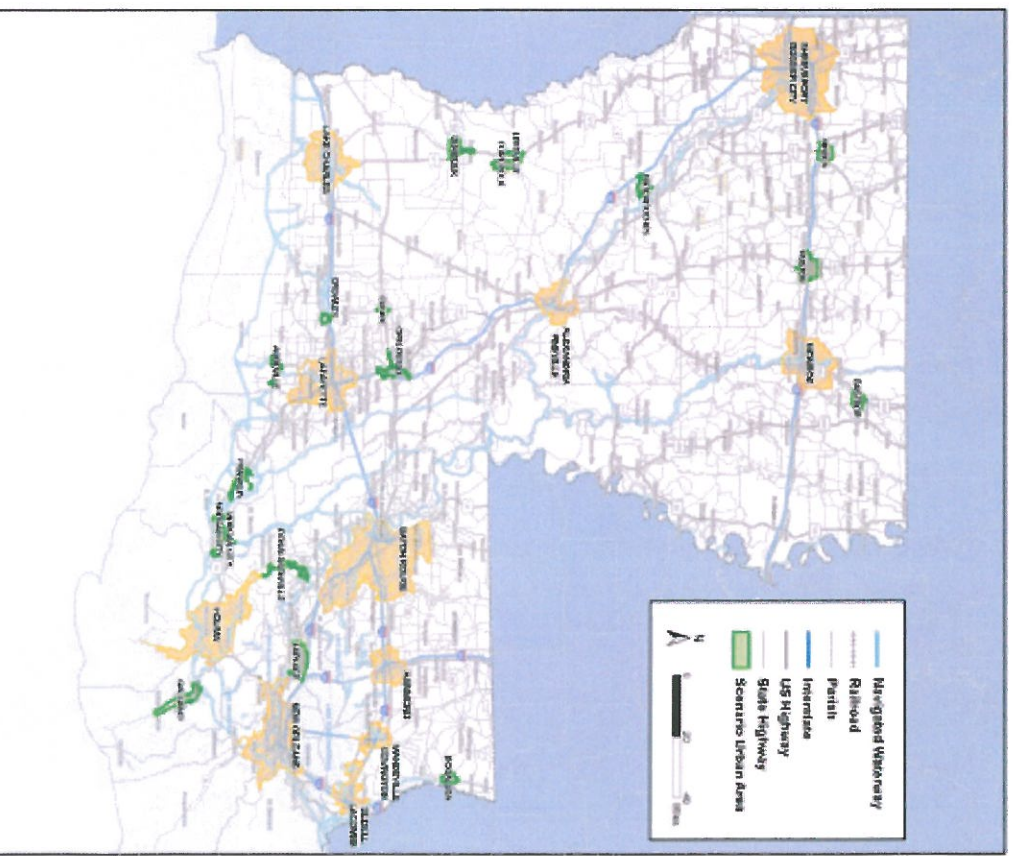
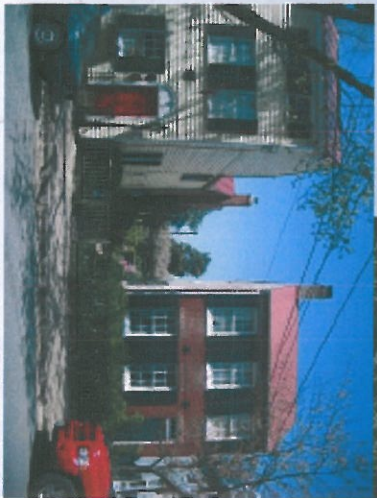
Vision and Goals

Extractive and Resource Industry Focus

Commodity Shipments, Oil, Agriculture,
Mining, etc. 2040



Town Centers- Development focused in centers of urban areas (10k +)



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Scenario 2
Town Centers

Vision and Goals

- Vision:

- **Mostly small and medium-sized communities** with quality open space in-between
- But also **higher-growth, dense, compact urban areas** such as New Orleans
- Support **extractive and resource industries**, a major economic driver in the state
- Consider and support the potential for increased economic activity associated with **arts, entertainment, retirement and tourism as well as a research & technology**

- Goals:

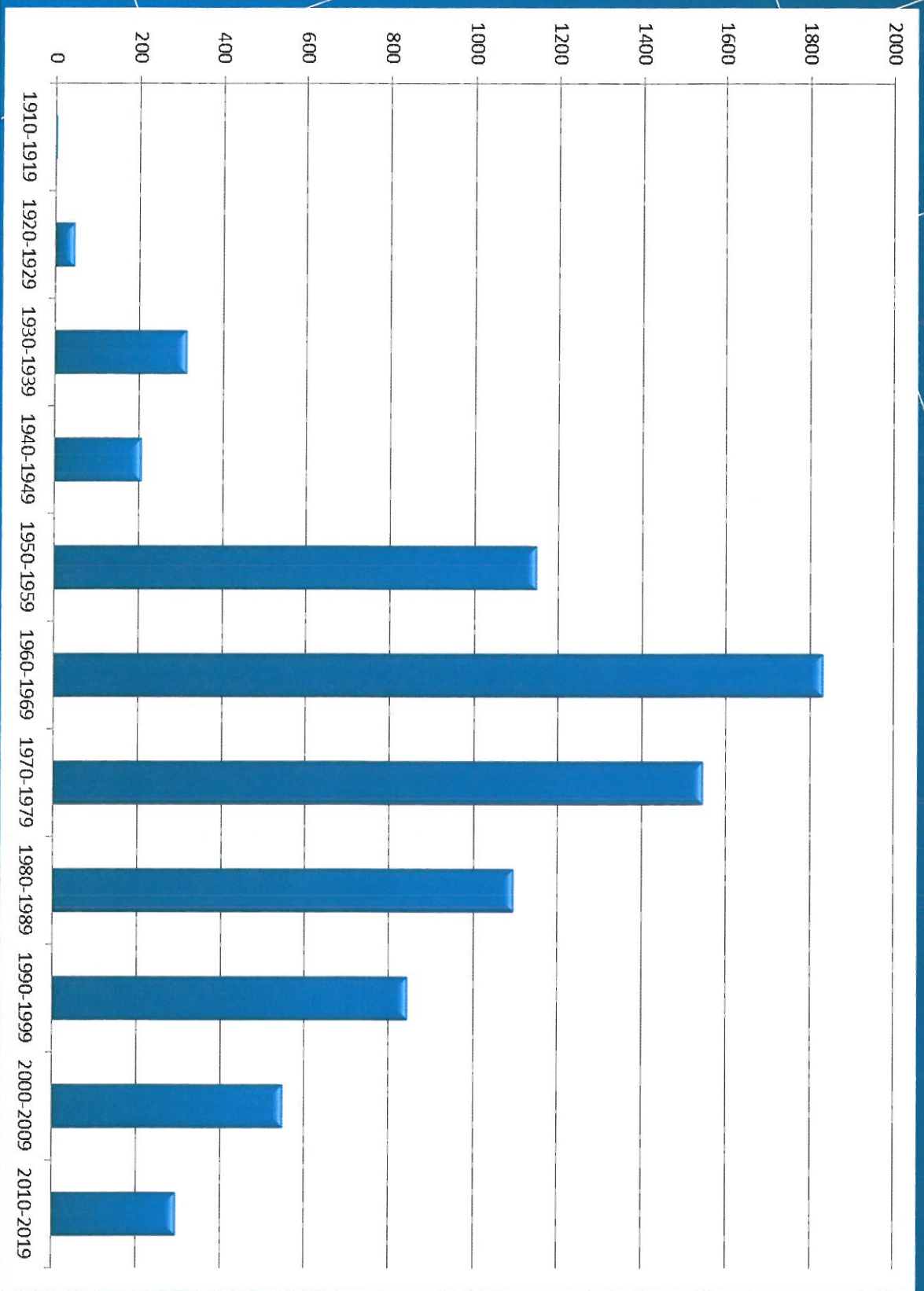
- Infrastructure
- Preservation and Maintenance
- Safety
- Economic Competitiveness
- Community Development and Enhancement
- Environmental Stewardship

Technical Analyses

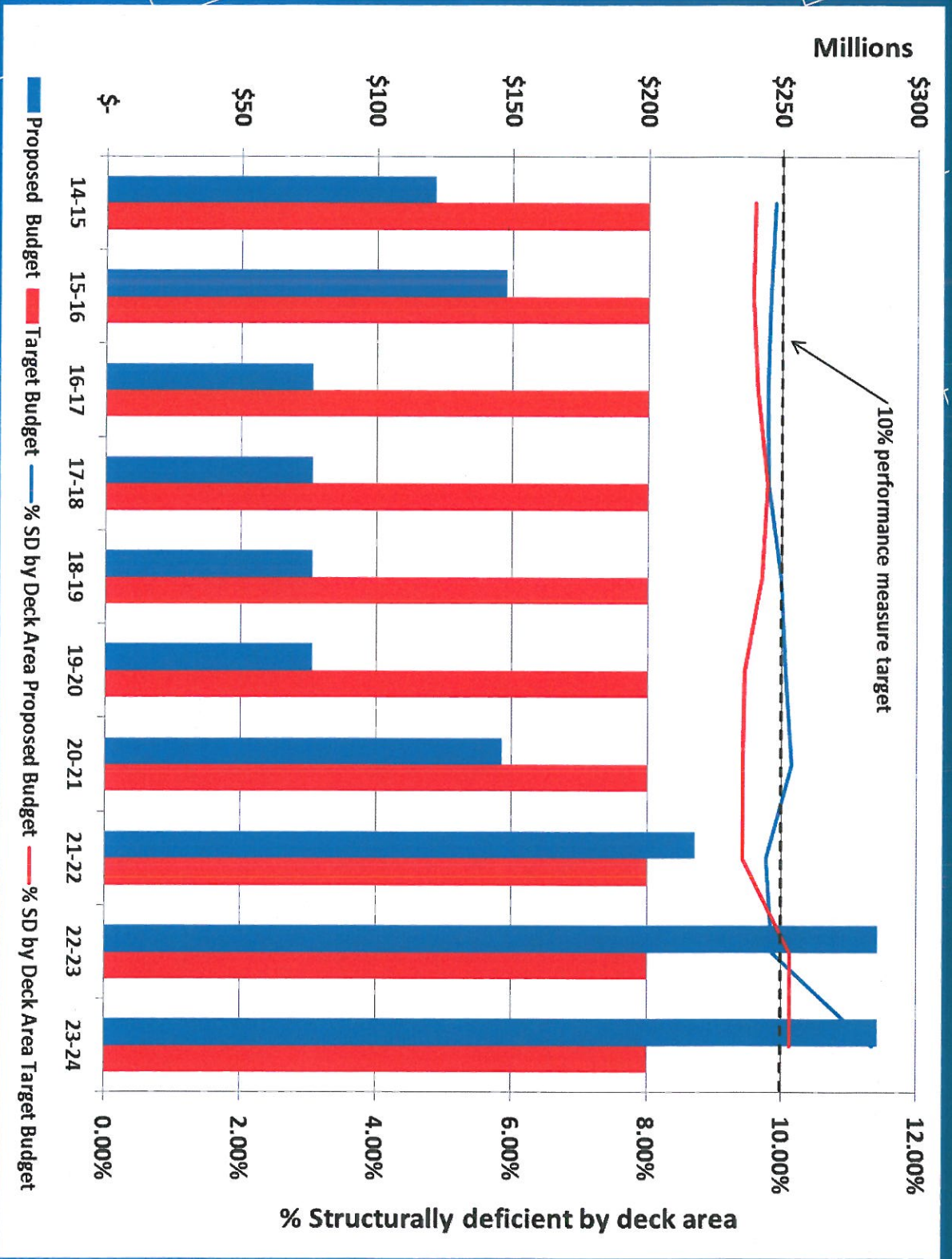


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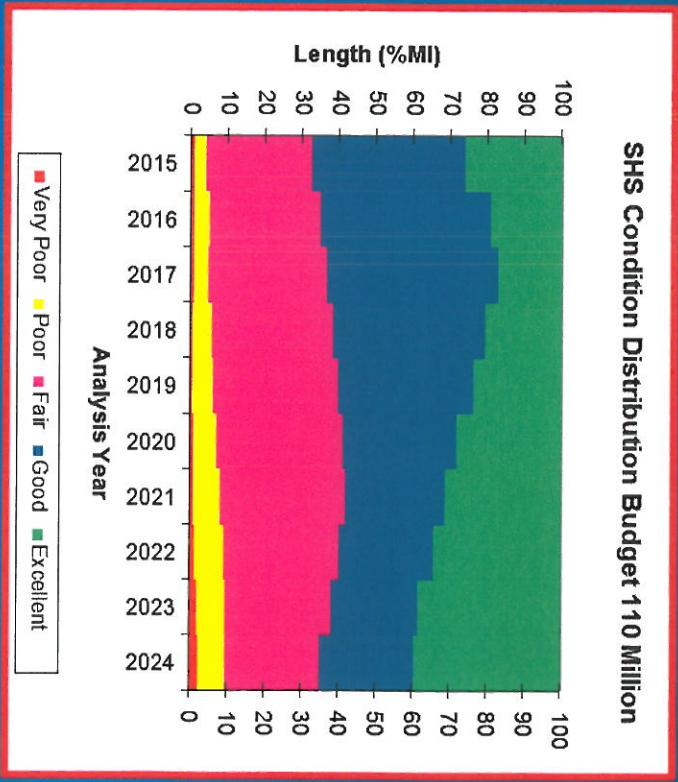
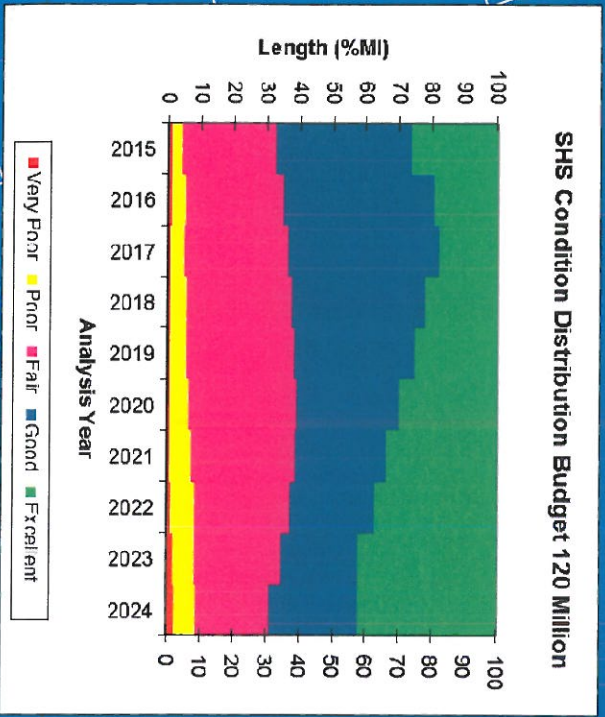
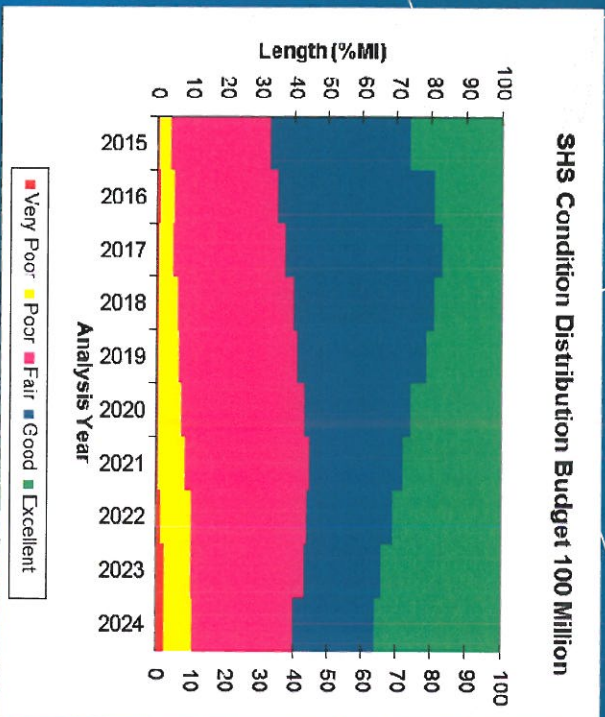
Number of Bridges Built By Decade



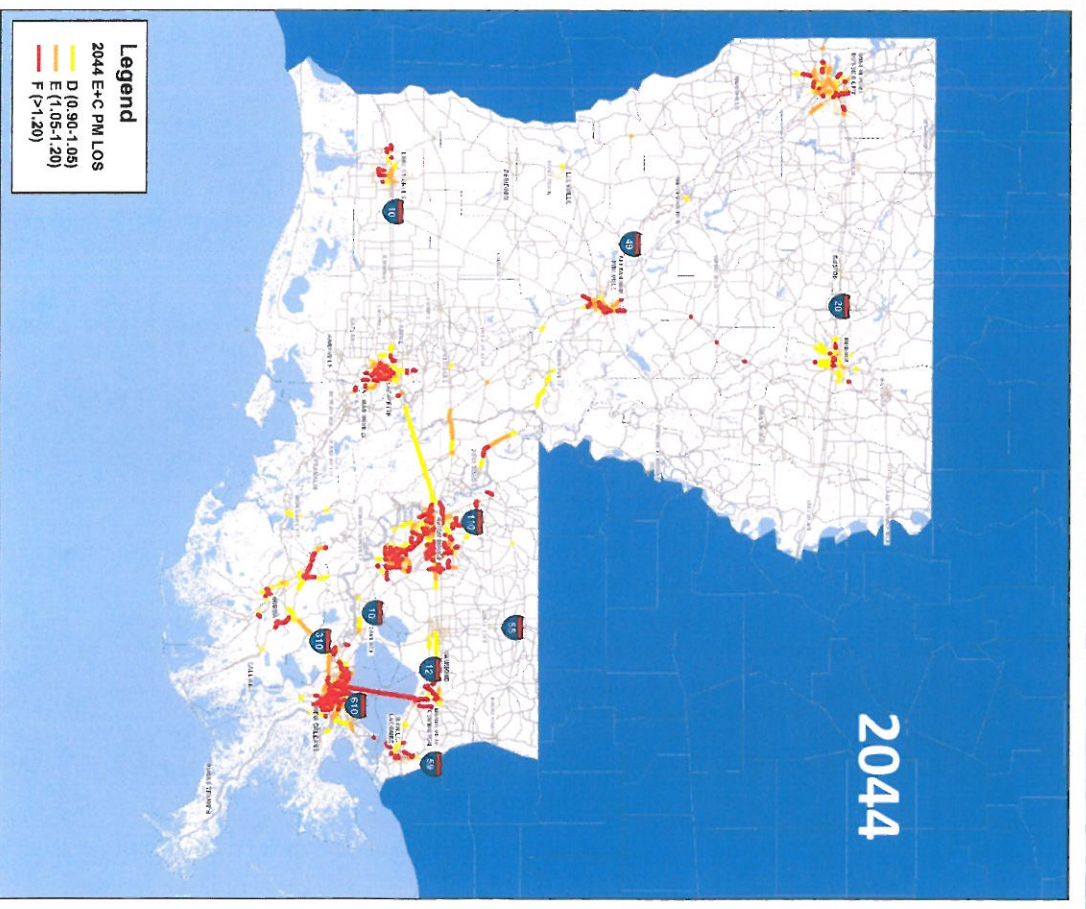
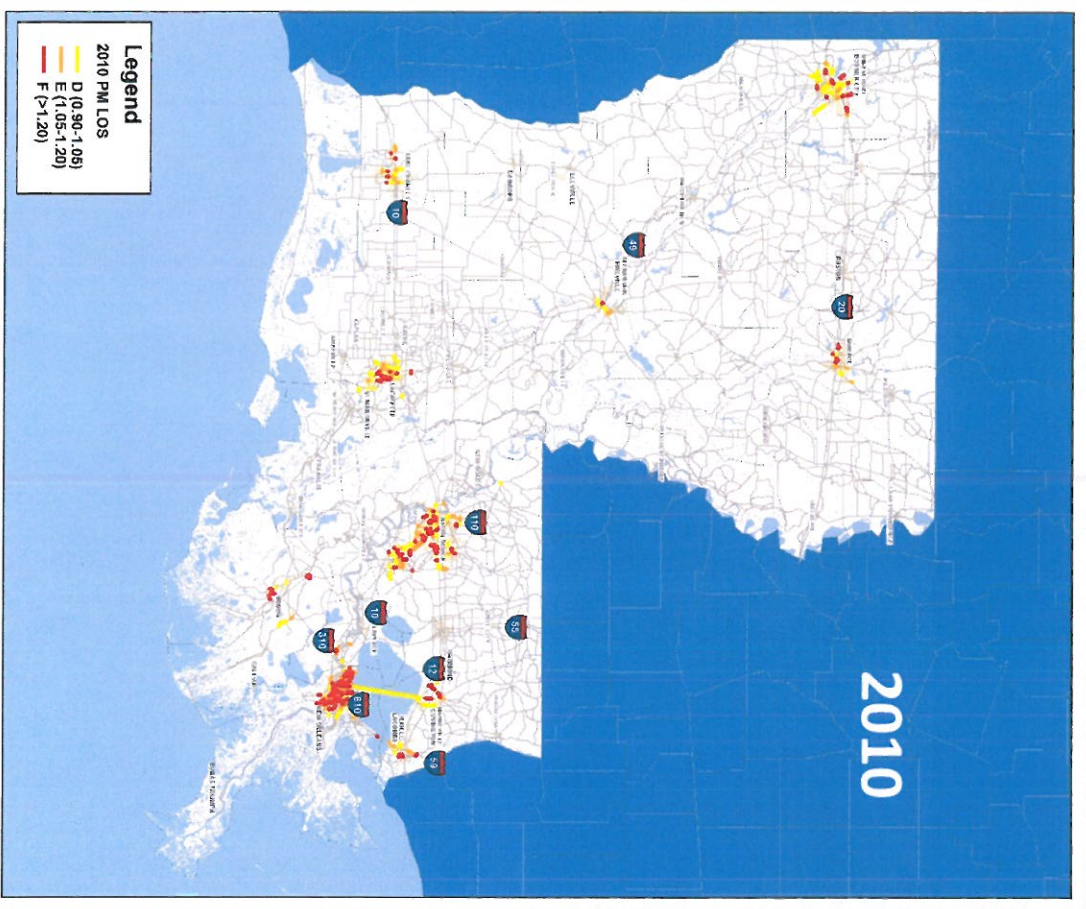
Bridge Funding Gap Analysis



Pavement Analysis – Statewide Highway System



Current and Forecast Congestion



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DOTD
LOUISIANA DEPARTMENT OF TRANSPORTATION



Louisiana 2010 Statewide Network
2010 LOS

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DOTD
LOUISIANA DEPARTMENT OF TRANSPORTATION



Louisiana 2044 Statewide Network
2044 E+C LOS

DOTD
LOUISIANA DEPARTMENT OF TRANSPORTATION

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Qualitative Considerations

- **Focusing on transportation system most important to the economy.**
 - Freight movement, tourism, and business travel
- **Accommodating and serving an aging population.**
 - By 2040, one out of every five people in Louisiana will be 65 or older (1 of 8 now)
How many? 2040 = 1,051,790 people 2010 = 558,940 people
 - By 2040, one out of every ten people in Louisiana will be 75 or older (1 of 16 now)
How many? 2040 = 550,530 people 2010 = 246,340 people
- **Protecting the integrity and character of local communities so they don't get absorbed into giant urban areas.**
 - Louisiana citizens want small and medium-sized cities with open space between them

Needs Assessment

Transportation Needs Assessment

Mode	Needs (billions)
State Road & Bridge	\$35.99
Ports & Waterways	\$ 7.13
Freight Rail	\$ 1.16
Aviation	\$ 3.48
Transit	\$ 7.19
Passenger Rail	\$ 0.56
Bicycle and Pedestrian	\$ 0.38
Total	\$55.89

*Note: Local road and street needs not included

Funding Scenarios

Revenue Scenarios

Scenario 1 - Baseline

- 0.5% Annual State and Federal Revenue Growth

Scenario 2 - Reduction

- Baseline + Major Reduction in Federal FY 15, Slight Rebound FY 16

Scenario 3 - Modest Increase

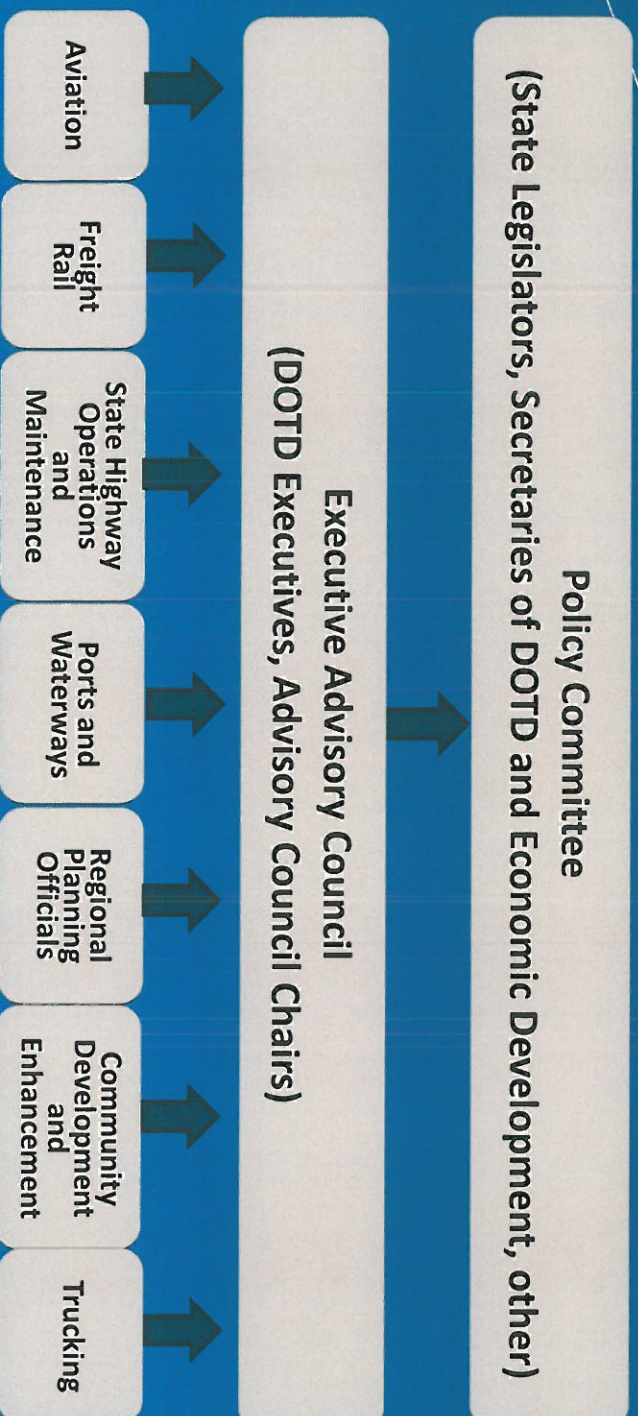
- Baseline + \$400M/Year State Revenue Increase Beginning FY 20

Scenario 4 - Aggressive Increase

- Baseline + \$400M/Year State Revenue Increase Beginning FY 20 + \$300M/Year Federal Revenue Increase Beginning FY 20

Decision-Making Process

Decision-Making Process



Policy Committee

- Senate President John Alario
- Senator Robert Adley
- Senator Mike Walsworth
- House Speaker Chuck Kleckley
- Representative Karen St. Germain
- Representative Stephen Pugh
- DOTD Secretary Sherri LeBas – *Policy Committee Chair*
- LED Secretary Steven Grissom
- Robert Scott, President, Public Affairs Research Council

Duties:

- Serve as the final decision-making body for the update of the Louisiana Statewide Transportation Plan;
- Establish priorities among transportation-related, economic development projects and/or services;
- Advise other members of the legislature, local elected officials, public and private agencies, companies, groups, and individuals on transportation issues pertaining to policies, regulations, programs, projects, and funding.

Plan Recommendations

Aviation

Recommendation

ID	No.	
CDE	1	Provide state support for commercial service airport capital development in accordance with approved master plans.
EC	1	Develop aviation marketing program, using General Fund monies, to attract additional air service, air cargo, and aerospace companies.
EC	2	Study the challenges and opportunities of the helicopter industry in support of Louisiana businesses and industries and economic growth.
EC	3	Update Statewide Economic Impact of Aviation System every 3 to 5 years.
INF	1	Upgrade the General Aviation infrastructure identified in the Louisiana Airport System Plan to minimum standards.
INF	2	Re-establish program of land acquisition/aviation easements for obstruction removal.
INF	3	Support an ongoing annual appropriation to the General Aviation Air Carrier Airport and Maintenance Program.
INF	4	Support a reauthorization and appropriation of the Federal Airport Improvement Program that best benefits Louisiana aviation.

Aviation, Cont'd.

Recommendation

ID	No.	Recommendation
INF	5	Give priority to the Louisiana Airport System facilities for State funded projects.
INF	6	Support Federal funding of air traffic control towers (both Federal and contract).
INF	7	Consider changing National Plan of Integrated Airport Systems (NPIAS) airport designations based on Louisiana Airport System Plan (LASP) analysis and recommendations.
INF	8	Change state system airport designations based on LASP analysis and recommendations.
S	1	Define strategic roles of Louisiana aviation resources during natural disasters.
EC	4	Establish a comprehensive State policy that defines the application process and development of new airports/heliports to include the evaluation of impacts to existing airports and the ability of the new facilities to be self-sustaining.

Community Development and Enhancement

ID	No.	Recommendation
CDE	2	Educate public and elected officials about the need for, and benefits of, public transportation.
CDE	3	Coordinate implementation of Federal funding sources for specialized transit. Develop Task Force of State agencies using Federal funds for human services transportation and public transportation. Regional coordination plans and a statewide coordination plan should be developed.
CDE	4	Encourage all MPOs to develop a comprehensive transit master plan.
CDE	5	Continue implementation of complete streets policy.
CDE	6	Develop and implement statewide bicycle goals map.
CDE	7	Continue to fund local transportation plans but expand scope to include land use, public buildings/facilities, public infrastructure including stormwater management, transportation, drainage, utilities, etc.
CDE	8	Support rail compacts in their effort to develop intercity passenger rail corridors where ridership levels justify service.

Community Development and Enhancement, Cont'd.

ID		No.	Recommendation
CDE	9		Promote and develop connectivity between public transportation systems and other transportation modes.
CDE	10		Evaluate the feasibility of an Airport to New Orleans CBD bus rapid transit.
CDE	11		Continue to update/maintain statewide bicycle suitability map.
CDE	12		Support local efforts to convert abandoned rail corridors to recreational trails.
CDE	13		Provide funding for a portion of rural transit operating expenses to meet the current & future expansion needs.
CDE	14		Develop a state-administered Local Assistance Program to rehab/reconstruct locally-owned roads. Local match to be required that may vary according to transportation planning criteria.
CDE	15		Continue to fund transportation demand management for MPOs.
ES	1		Work with congressional delegation to create wetland mitigation credits for preserving existing wetlands.
ES	2		Preserve buffers, preferably as wetlands mitigation, to provide separation or appearance of separation between adjacent communities.

Freight Rail

Recommendation

ID	No.	
EC	17	Conduct economic impact analysis of freight rail in Louisiana in coordination with Louisiana Department of Economic Development (LED).
EC	18	Educate the State's legislature and Congressional delegation on the need for State and Federal legislation to support funding for the State's freight railroads.
EC	19	Maintain a minimum balance of \$25 Million in Priority 2 of the State Capital Outlay Program for navigation and port related freight rail capital projects in accordance with a priority program developed by DOTD and approved by the Joint Transportation Committee.
INF	25	Assist freight railroads in securing grants and loans from existing and future Federal assistance programs.
INF	26	Support the establishment of a state-funded Rail Retention and Infrastructure Program and provide statewide funding for short line rail program
S	8	Fund a highway/rail grade separation program.
S	9	Research incentive programs for closures of public and private grade crossings.

Freight Rail, Cont'd.

ID	No.	Recommendation
S	10	Continue funding for active warning devices at rail/highway crossings.
CDE	17	Support rail compacts in their effort to develop intercity passenger rail corridors where ridership levels justify service.

Ports and Waterways

ID	No.	Recommendation
EC	20	Establish a Statewide Maritime Marketing Program.
EC	21	Study the economic competitiveness of Louisiana ports.
EC	22	Support multi-state coordination of infrastructure improvements along the Mississippi River corridor and tributaries.
EC	23	Continue partnerships to increase funding for and utilization of the inland waterway system and of coastal ports.
EC	24	Support the development of major container terminals and distribution centers through individual port authorities.
EC	25	Support public-private partnerships for maritime facility investment, including distribution centers, through tax credits and other tax incentives.
EC	26	Implement the recommendations of the Louisiana Marine Transportation Systems Plan.
INF	27	Support the full appropriation in the Harbor Maintenance Trust Fund for maintenance of navigation channels.

Ports and Waterways, Cont'd.

Recommendation		
ID	No.	
EC	27	Increase funding for the Port Priority Program.
EC	19	Maintain a minimum balance of \$25 Million in Priority 2 of the State Capital Outlay Program for navigation and port related freight rail capital projects in accordance with a priority program developed by DOTD and approved by the Joint Transportation Committee.

State Hwy Operations & Maintenance

Recommendation		
ID	No.	
INF	9	Utilize Federal funds for preservation repairs by DOTD work forces.
INF	10	Support the implementation of the LA Commercial Vehicle Information and Systems Network (CVISN) plan.
INF	11	Transfer 5,000 miles of state highways to local governments through an incentive program.
INF	12	Implement the Statewide Intelligent Transportation System (ITS) Plan and integrate use of cost-effective ITS elements into other projects.
INF	13	Increase the cost threshold for DOTD constructed projects when determined to be cost effective.
INF	14	Coordinate with local governments to identify and study alternative local funding sources.
INF	15	Support the interoperability of ITS technologies for trucks.
EC	5	Allow mobility fund money to be used on Priority A and B statewide plan megaprojects without tolling.
INF	16	Increase amount for DOTD letter bids from \$500K to \$1M.

State Hwy Operations & Maintenance, Cont'd.

Recommendation		
ID	No.	
INF	17	Increase funding for pavement preservation to meet established goals.
INF	18	Increase funding for bridge preservation to meet established goals.
INF	19	Increase funding for highway operations.
INF	20	Increase funding for district operations and contract maintenance.
EC	6	Implement highway megaprojects in priority A and B.
INF	21	Continue the regular small capacity program.
ES	3	Convert public vehicle fleets to alternative fuels.
S	2	Evaluate the DOTD's emergency preparedness protocol and plans to determine opportunities for improvement.
S	3	Increase funding for highway safety.
INF	22	Provide a minimum of \$70 million in the state Transportation Trust Fund (TTF) annually to match federal funds for the preservation of state highway pavements and bridges.

Trucking

ID	No.	Recommendation
CDE	16	Ensure trucking representation and participation by private sector in MPO planning processes.
EC	7	Develop seamless electronic credentialing; one-stop shop for permitting, registrations, license plates, etc.
EC	8	Work with LA Department of Economic Development (LED) and others to address peak hour congestion by extending hours of port operations.
EC	9	Improve quality of connectivity to ports and rail yards.
EC	10	Re-establish Motor Carrier Advisory Committee.
EC	11	Develop a process to identify, monitor, and restore condition of special truck routes that support the energy and mining industry.
EC	12	Improve access to LNG/CNG, propane and other alternative fuels to support commercial transportation.
EC	13	Create a policy to enhance private sector conversion from diesel/gasoline to LNG/CNG, propane, or other alternative fuels to support transportation.

Trucking, Cont'd.

ID	No.	Recommendation
EC	14	Improve regional consistency and uniformity in oversized/overweight truck permitting.
EC	15	Construct weigh station at I-49 at the Arkansas State Line.
EC	16	Enhance DOTD and LED to collaboration in identifying transportation needs, issues and impacts when recruiting industry/business into the state.
INF	23	Oppose increases in federal weight limits.
INF	24	Increase funding for roadway maintenance and construction.
S	4	Improve incident management.
S	5	Increase supply of truck parking.
S	6	Revise/improve roadway design and accommodations for large trucks at intersections and roundabouts.
S	7	Relocate and/or redesign the weigh station along I-10 at the Texas Line.

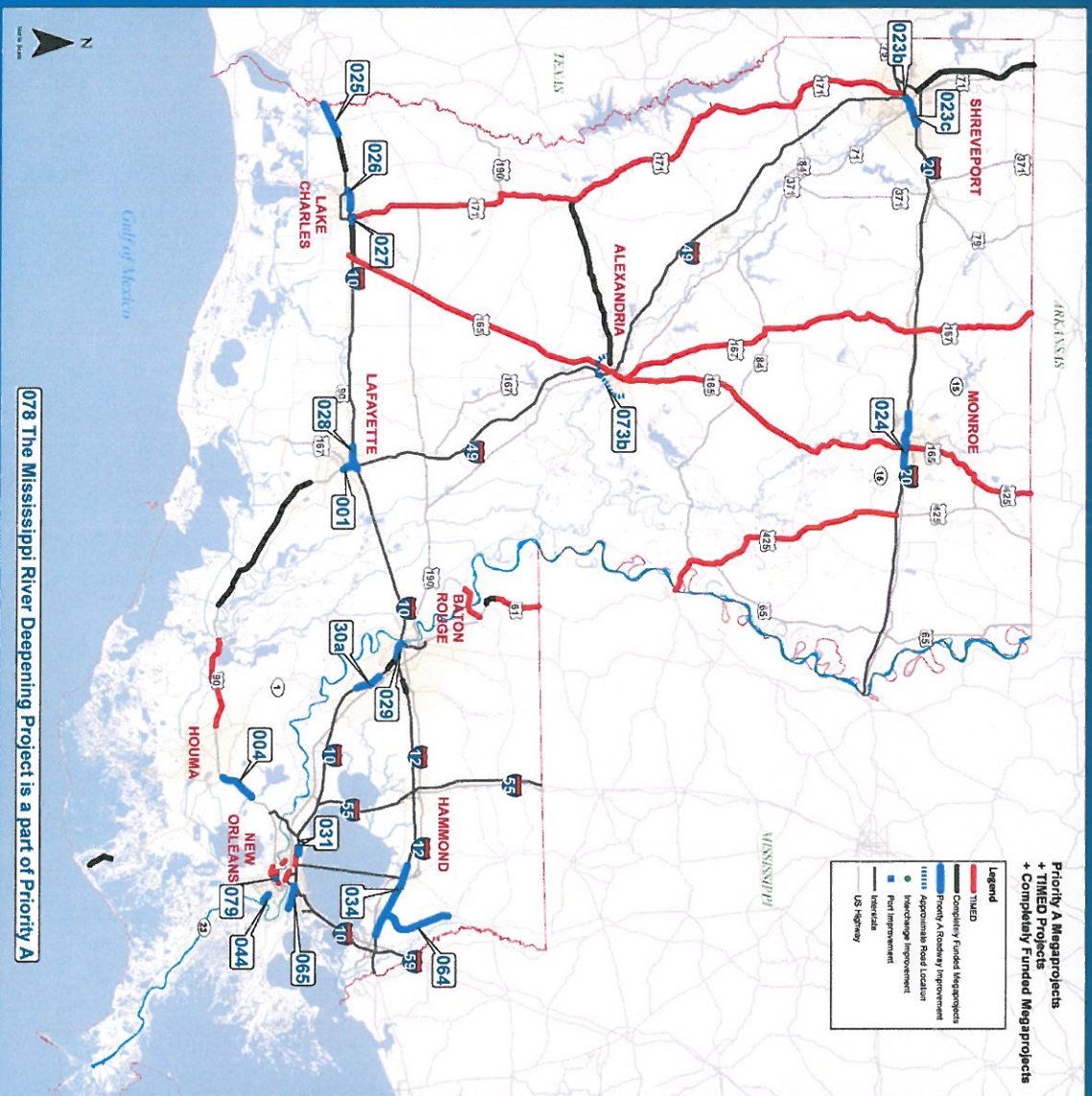
Megaprojects

TIMED + Funded + Priority A Megaprojects

PRIORITY A

20 Projects \$3.7B
(plus \$1.1B other sources)

- 13 interstate upgrades/widening
- 3 bridge projects
- 2 new highways
- River deepening and Port of NO container terminal

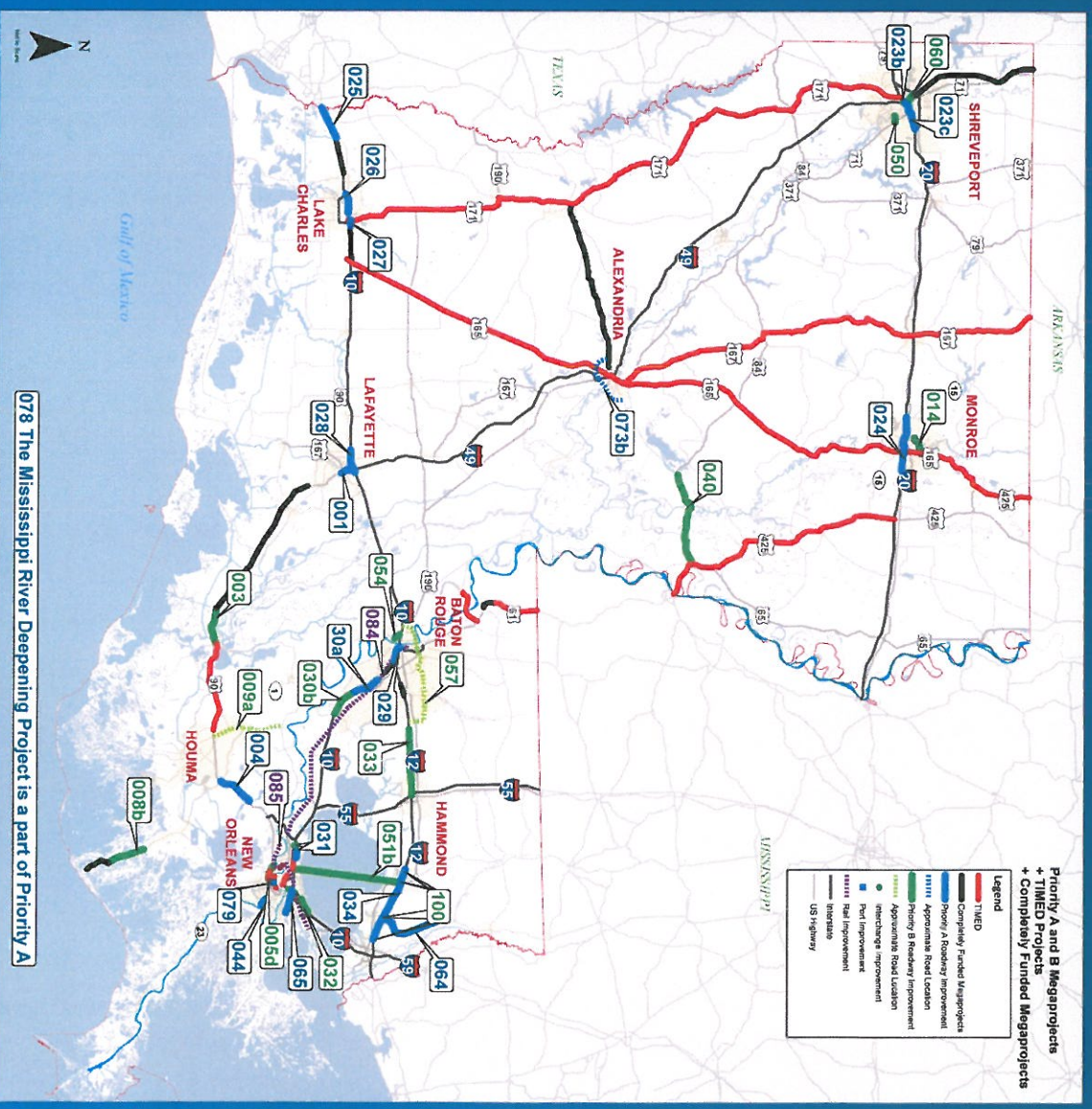


TIMED + Funded + Priority A & B Megaprojects

Priority B

19 Projects \$3.0B (plus \$2.8B other sources)

- 1 highway and 5 interstate upgrades/widening
- 4 new highways
- 2 rail projects
- 2 interchange improvements
- 3 new bridges
- Causeway safety improvements



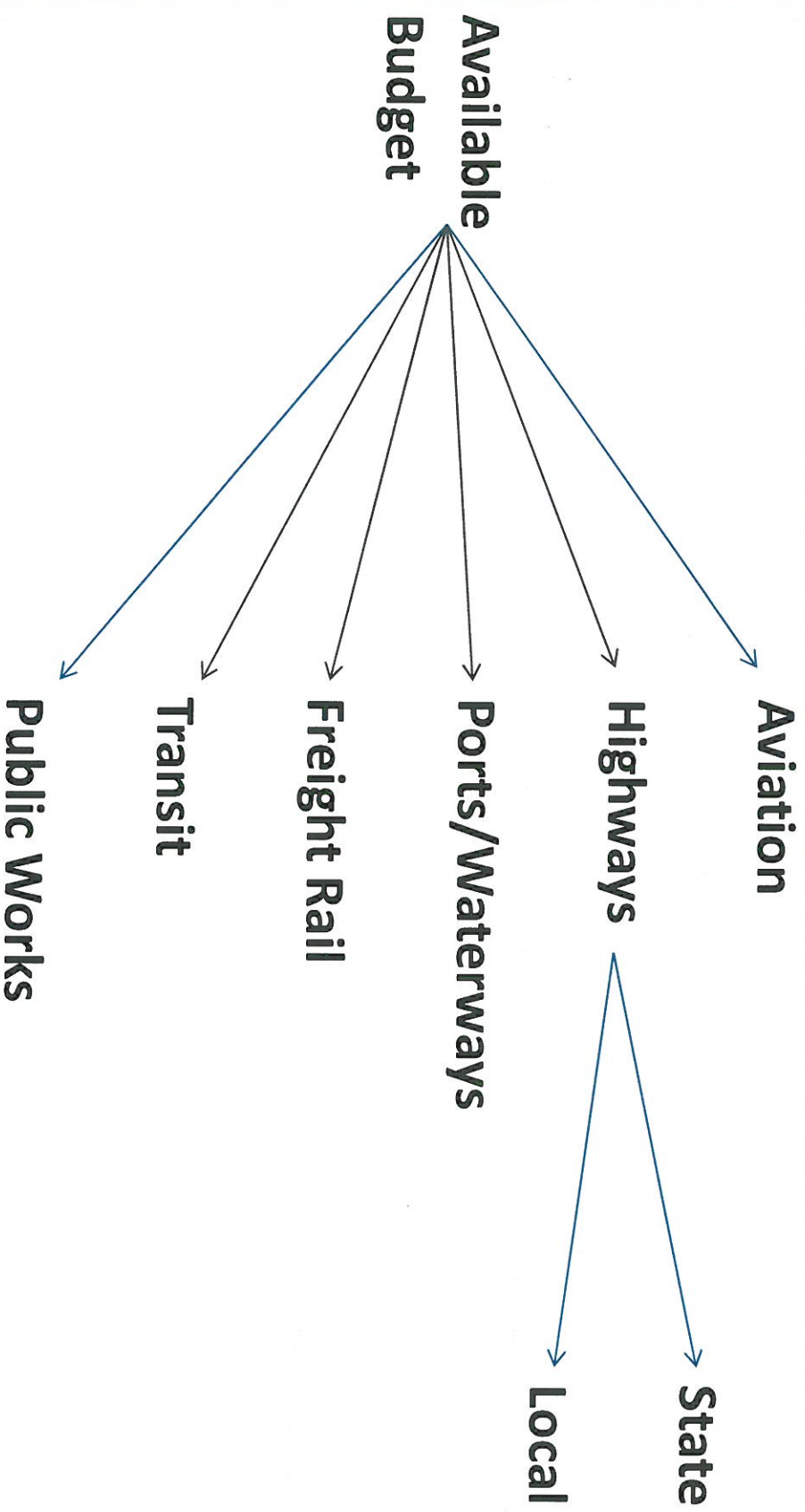
078 The Mississippi River Deepening Project is a part of Priority A



Budget Allocation

Transportation Planning

Allocation of Resources Among Competing Needs



Budget Allocation

Forecasted Revenue Scenarios* | FYs 2012, 2022, & 2042 | Budget Line Items

Budget Line Item	2012 Budget	FY 2022 Scenarios				FY 2042 Scenarios				
		1	2	3	4	1	2	3	4	
Hwy Preservation										
Non-Interstate Pavement (NHS)	27.7	55.0	55.0	55.0	55.0	80.0	75	80.0	80.0	
Non-Interstate Pavement (SHS)	98.4	100.0	80.0	110.0	110.0	110.0	83.0	165.0	165.0	
Non-Interstate Pavement (RHS)	43.2	50.0	45.0	60.0	60.0	50.0	45.0	90.0	90.0	
Interstate Pavement	80.0	85.0	65.0	85.0	85.0	90.0	70.0	125.0	125.0	
Bridge Preservation (on)	165.5	169.4	144.4	255.0	415.0	168.8	153.8	280.0	510.0	
Bridge Preservation (off)	20.4	12.0	12.0	48.0	48.0	12.0	12.0	48.0	72.0	
SUBTOTAL	435.2	471.4	401.4	613.0	773.0	510.8	438.8	788.0	1,042.0	
Hwy Operations										
ITS	13.0	15.0	15.0	15.0	15.0	15.0	15.0	18.0	18.0	
Traffic Control Devices	16.0	19.0	19.0	25.0	25.0	19.0	19.0	29.0	29.0	
Interstate Lighting	3.0	3.5	3.5	6.0	6.0	3.5	3.5	10.0	10.0	
TSM	8.0	8.0	8.0	9.0	9.0	10.0	10.0	10.0	10.0	
Roadway Flooding	4.0	4.5	4.5	4.5	6.0	5.0	5.0	7.0	7.5	
Weigh Stations	2.1	3.0	3.0	3.0	3.0	3.0	3.0	3.5	3.5	
Rest Areas	12.0	4.0	4.0	4.0	4.0	4.0	4.0	5.0	5.0	
Ferries	0.7	1.5	1.5	1.5	1.5	2.0	2.0	2.0	2.0	
Moveable Bridges	2.1	2.5	2.5	10.0	10.0	3.6	3.6	11.0	11.0	

What's at stake?

The policies, programs, and projects in the Louisiana Statewide Transportation Plan are intended to:

- Support the wealth-building industries and employment that we already have;
- Strengthen our foundation for economic growth;
- Take advantage of opportunities in international trade;
- Enhance the quality of life for Louisiana citizens; and
- Send the message that our state is progressive.