

Regional Transportation Planning



Meeting Purposes



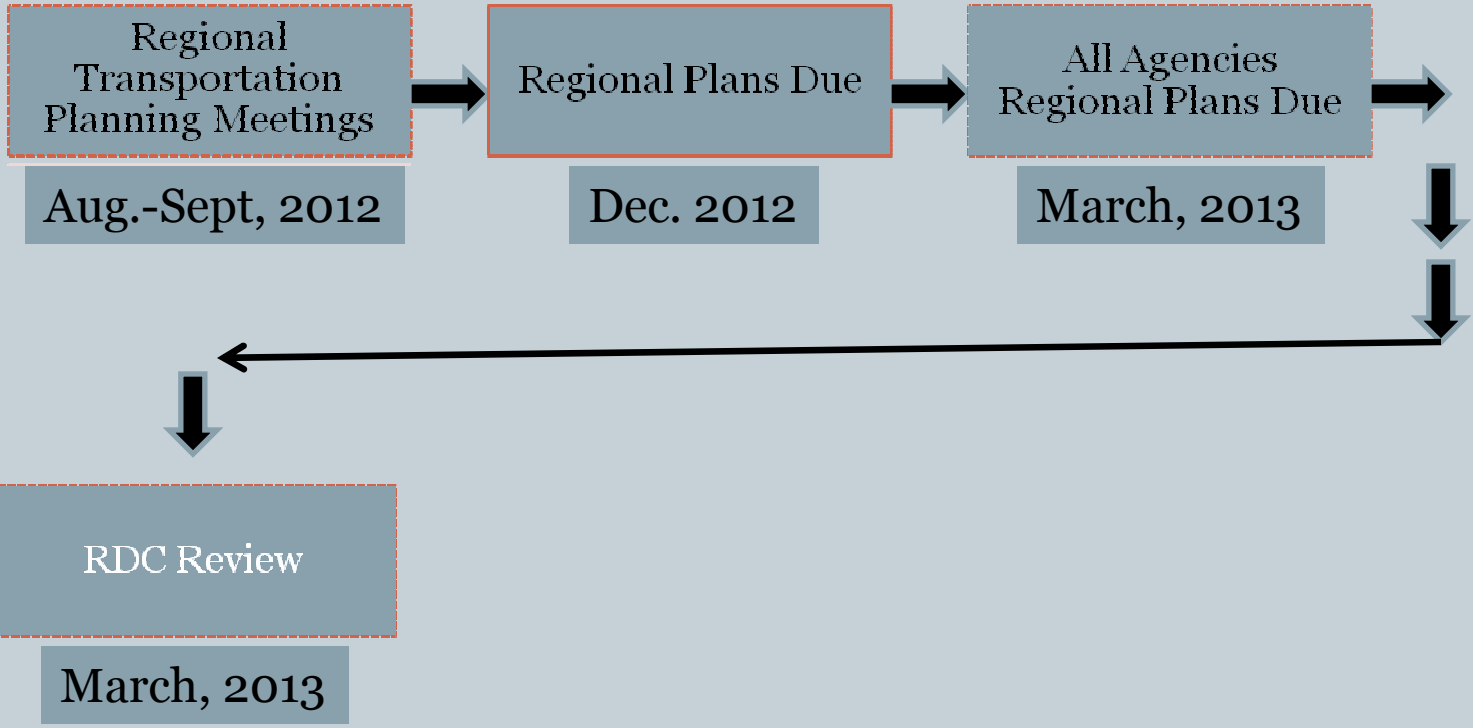
- To collaborate with each local chapter for the Regional Transportation Planning effort.
- Chapters from each Council Delegate's respective region to participate in identifying their transportation priorities within the region
- To give the communities and chapters the opportunity to provide input by developing a high priority list
- To promote the efficient use of the resources and solutions to the transportation challenges through partnerships
- development of transportation plans
- To improve coordination of road projects and road maintenance with Chapters, Counties and BIA.
- To develop a Road Maintenance Plan and a Road improvement Plan using information from Chapters.
- To develop a comprehensive plan for emergency logistics

Roles



- **Council Delegate**
 - Represent their region, support and recommend projects to the legislative over-sights
- **Chapters**
 - Identify the region's transportation priorities.
 - Provide legislative support by providing documents
 - Identify and prioritize roads in the region.
 - Collaborate available resources with other entities
- **Navajo DOT**
 - Collaborate available resources with Regions
 - ✦ Equipment/Personnel
 - ✦ Cost sharing
 - ✦ Transportation planning
 - ✦ Meetings

Tentative Due Dates



Funding



	Road Improvement Plan	Road Maintenance Plan
	TTIP	FET
Annual Funding Amount (approximate)	\$55M	\$3
Planned Fiscal Year	2014 - 2018	2013
Region Plan/Priority Due	December 2012	August 2012
All Regions Plan/Priority Due	March 2013	August 2012
RDC Review	May 2013	September 2012
RDC Final Approval	July 15, 2013	September 2012

Estimated Maintenance and Improvement Cost



Estimated cost to blade a dirt road (one time blading)

- Grader Operator Productivity
 - Grade 3 miles/day, 15 miles/week, 60 miles/month
 - 60 miles/month x 8 months = 480 miles/Operator (or 500 miles/operator)

Approximate total cost for blading 24 Regions each year:

500 miles/year x 24 = 12,000 miles or 50 miles/Chapter

Estimated cost to Gravel Dirt Roads Per 1 Mile

- Water Needed for Construction
 - Water Permit (200,000 gal).....\$1,000
 - Equipment (3 water trucks).....\$7,000
 - Labor (3 personnel).....\$2,000
 - **Subtotal****\$10,000**



- Road Base Grading
Equipment (2 blades) & Labor (2 staff)\$1,500
- Gravel Roadway
 - Gravel (2,100 tons x \$28/ton).....\$67,200
 - Mag Chloride (6,000 gal).....\$ 4,500
 - Equipment (3 Water Trucks,
2 rollers & 3 blades).....\$15,000
 - Labor (8 personnel).....\$ 4,000

Subtotal \$90,700

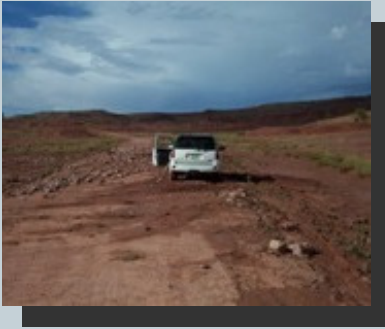
- **Gravel Construction Total = \$102,200 per mile**
Example: 10 miles will cost approximately \$1,022,000

Prioritizing

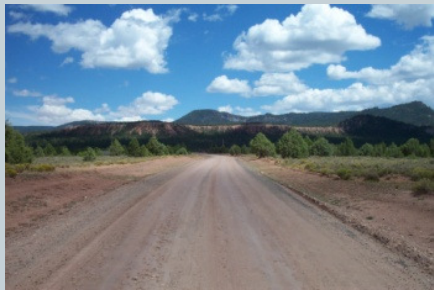


- Identify and prioritize approximately 50 miles/chapter using the following criteria:
 - Traffic Volume
 - School Bus Routes
 - Service provider/Elderly transportation routes/Emergency service/CHR
 - Economic development
 - Future transportation plans
 - Emergency logistics
 - Project Identification/Request Form
- Navajo DOT
 - Analyze and develop estimated costs
 - Determine ranking of roads

Discussion



Adjournment



Thank You