

Workshop - Lines on the Map

Tonight

Plan and process scope Results from first workshop Connections, demand and capacity Bike routes



Workshop - Lines on the Map

Sponsors

WA Dept of Commerce City of Spokane City of Airway Heights City of Medical Lake City of Cheney Spokane County WSDOT



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Scope

Updated arterial plan Major highways Arterial streets Non-motorized routes Character

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We have provided goals, policies, and recommendations from various studies and plans related to transportation and the West Plains. Please review each, letting us know how important you believe them to be for mobility on the West Plans (1 = Least Important 3 = Important and 5 = Most Important). Anything missing? Add notes or new items for us to include.

Goals, Policies, and Recommendations	1	2	3	4	5	Notes
Airway Heights Comprehensive Plan						
Make US 2 a traffic corridor that supports the Airway Heights community, accommodates traffic volumes, enhances traffic safety, and makes it attractive to pedestrians.		1	1	2	13	
Encourage roadway design approaches on US 2 that include structural traffic calming elements, planting trees, or other techniques.	1	1	8			
Pursue ways to more effectively link areas north and south of US 2.		1	5	3	6	
Maintain adequate rail and highway access to the community's industrial areas.				4	8	
Ensure Hayford and Craig roads continue to serve as a north-south link and truck route between I-90, US 2 and SR 902.				2	9	
Use public investment along the US 2 corridor to create a strong pedestrian environment.	2	1	4	3	1	
Spokane Comprehensive Plan						
Plan for transportation on a regional basis	1			6	9	
Provide a variety of transportation options, including walking, bicycling, taking the bus, carpooling, and driving private automobiles.	1		2	6	8	
Build streets with the minimum amount of street width needed to serve the street's purpose and calm traffic.	2	1	8	5		
Accommodate moving freight and commercial goods in ways that are safe, cost efficient, energy efficient, and environmentally friendly.			5	6	5	
Plan and construct transportation improvements with care, considering natural land forms, geography, and nature corridors.		5	8	1	2	
Spokane County Comprehensive Plan	_			_		
Provide a safe and efficient system of rural roads.		3	5	7	1	
Develop and maintain safe and efficient transportation connections between urban population centers.			3	8	5	
Ensure that proposed rural collectors avoid significant natural areas or historic resources where possible.	1	з	8	2	1	
Ensure that the transportation system in the rural areas are consistent with their rural/resource character.		4	10	2		
Designate I-90, US 2, and SR 902 as aesthetic corridors to provide a positive image of the Spokane region.	1	3	7	5		
Spokane Regional Transportation Council: West Pla	ins	- Sp	oka	ne	Inte	rnational Airport Study
Construct a new 3-lane minor arterial south of US 2 along 21st Ave.		3	4	7	1	
Construct a new transit park and ride facility near the Medical Lake interchange.		3	3	4	6	
Develop a separated bike and pedestrian pathway along US 2 on the north and south side of US 2 from the Sunset/Airport Interchange to Fairchild Air Force Base.	1	3	5	3	3	
Build sidewalks along existing roadways and in gaps throughout the West Plains study area.	1	1	s	2	3	
Washington State Department of Transportation:	US	2 R	oute	e De	evel	opment Plan
Improve the parallel 21st Ave corridor to relieve congestion on US 2.	2	2	1	10	1	
Include a separated pedestrian/bicycle pathway in conjunction with development along US 2 corridor.	1	з	7	1	4	
Support expansion of existing arterials such as 6th and 12th Avenues from Craig Rd. to Spotted Rd.		2	4	з	4	
Additional goals, policies, or recommendations you'd add:						

Workshop 1 Results

Enhance US 2 through Airway Heights for vehicles, pedestrians, and bikes

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Additional goals, policies, or recommendations you'd add:						

Workshop 1 Results

Provide for a variety of transportation options

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Workshop 1 Results

Develop safe and efficient transportation connection between urban centers

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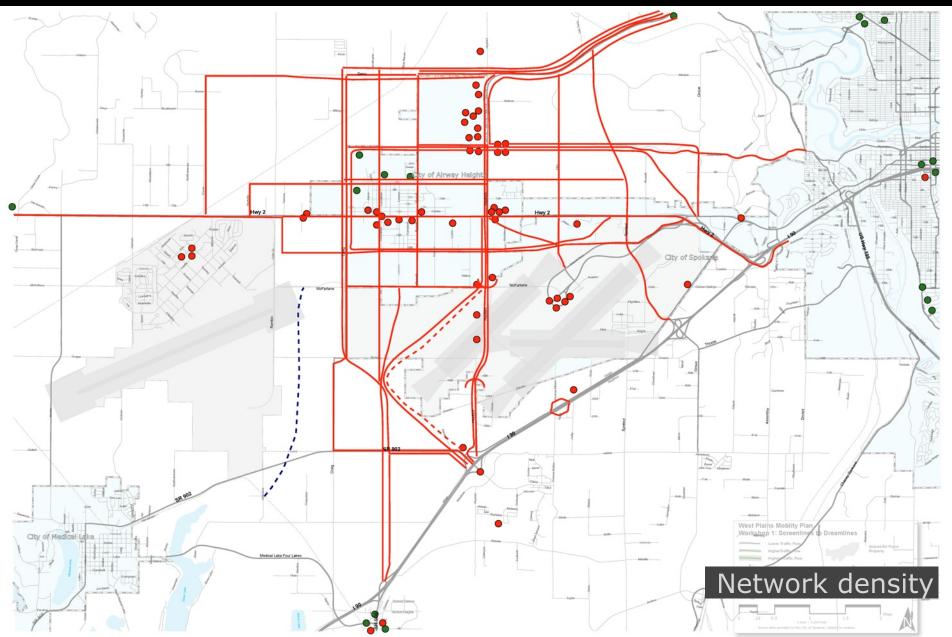
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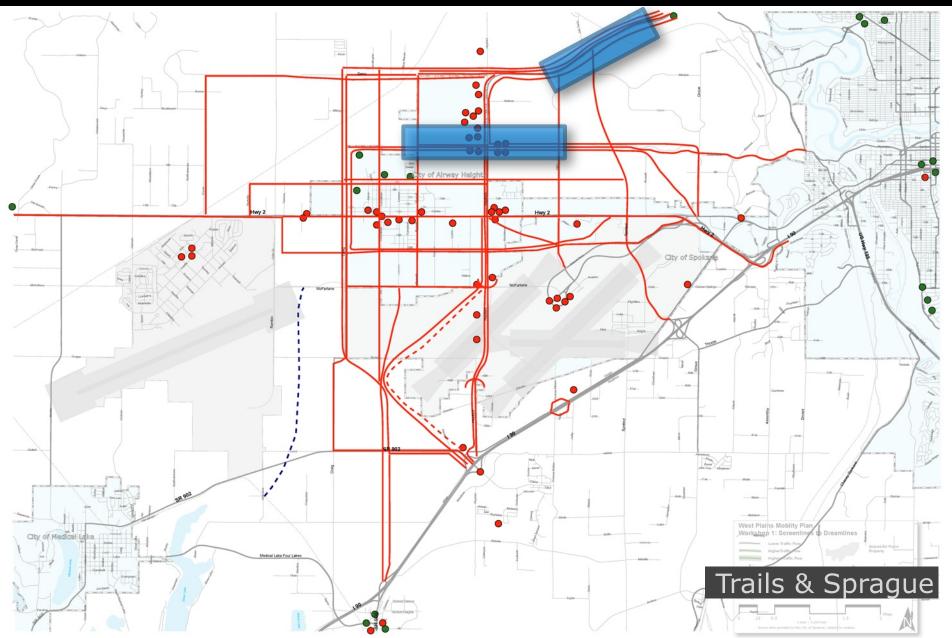
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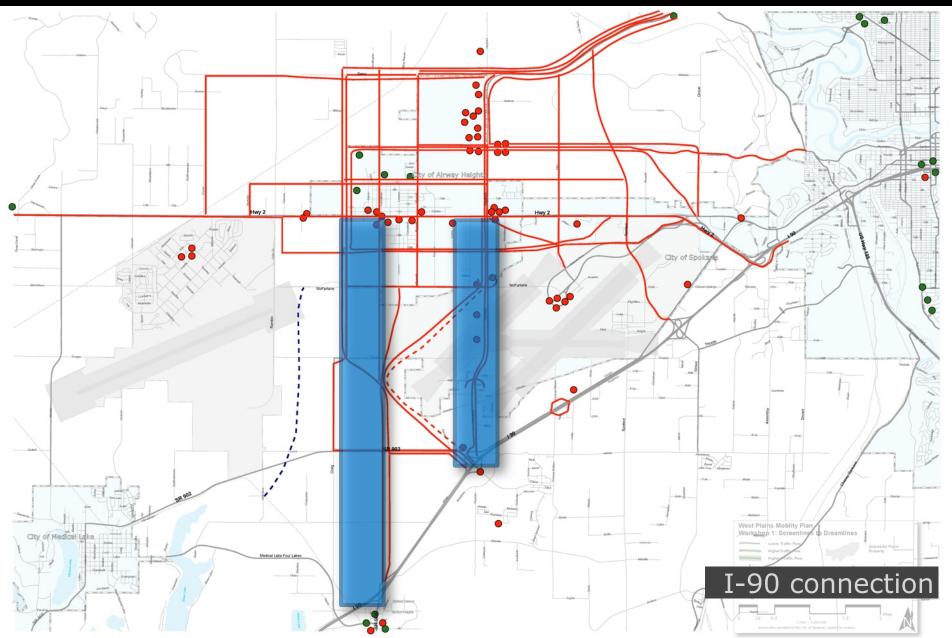
Workshop 1 Results

Improve 21st avenue as parallel corridor to US 2

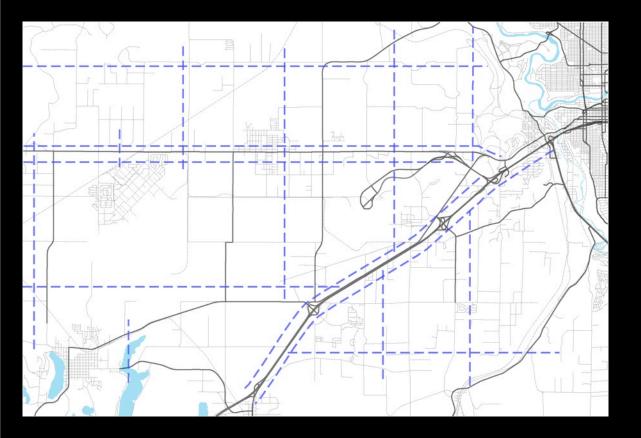
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Capacity Analysis

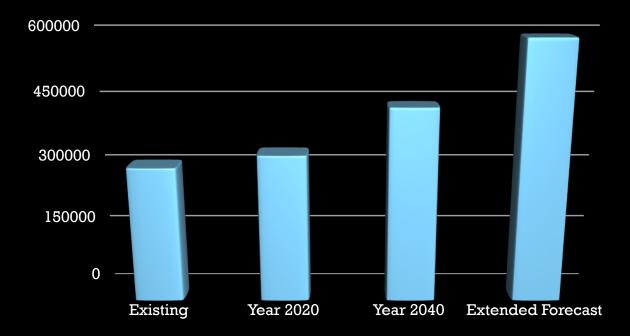


Screenlines Volume Capacity

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Forecast

Total Screeline Volumes (Average Daily Traffic)



Workshop - Lines on the Map

Level of Service

Dead Cention to	ADT Thresho			
Road Section to	AUTIN	resnoia		
Maintain LOS C for:	Class I	Clas		
Two Lane Road	12400	820		
Three Lane Road	13600	900		
Four Lane Road	25600	192		
Five Lane Road	28200	211		
Six Lane Road	39400	306		
Seven Lane Road	43300	337		

Table developed using ARTPLAN 2012 (Florida DOT, 2011) Arterial LOS based on methods of HCM 2010

Class II

8200

9000

19200

21100

30600

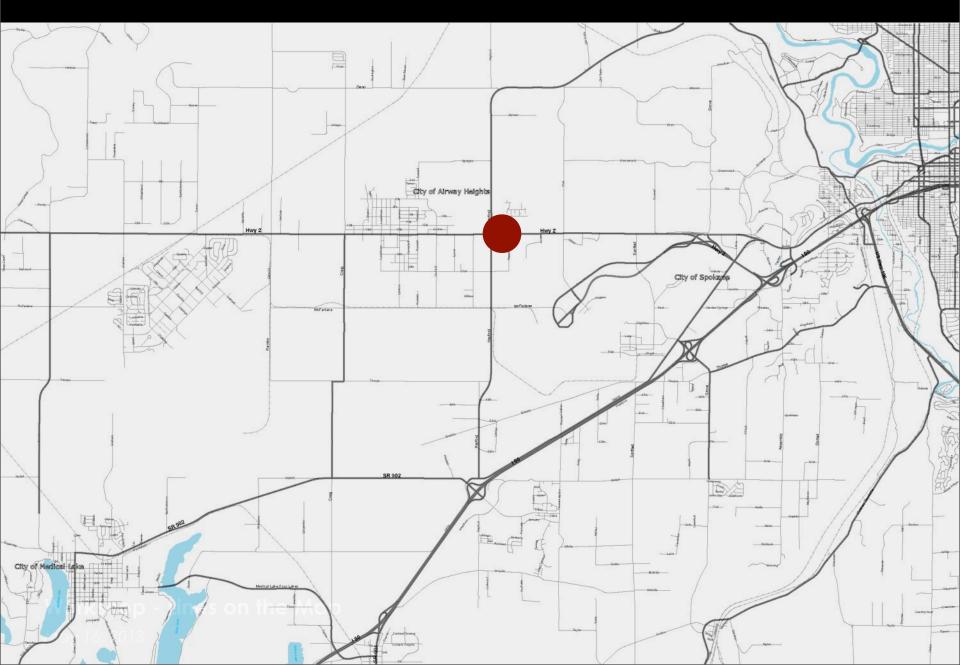
33700

LOS C

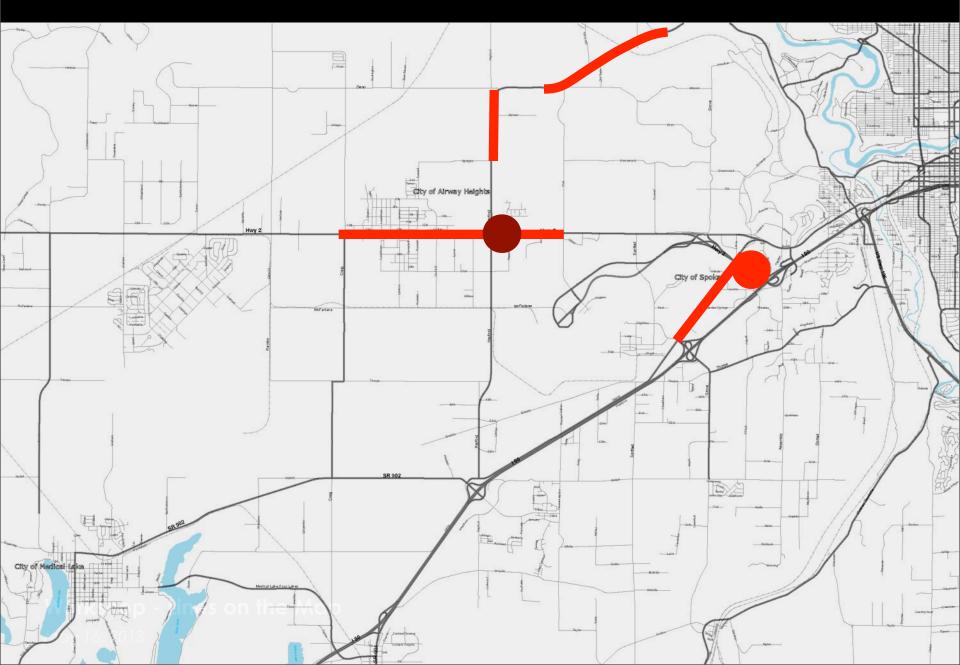


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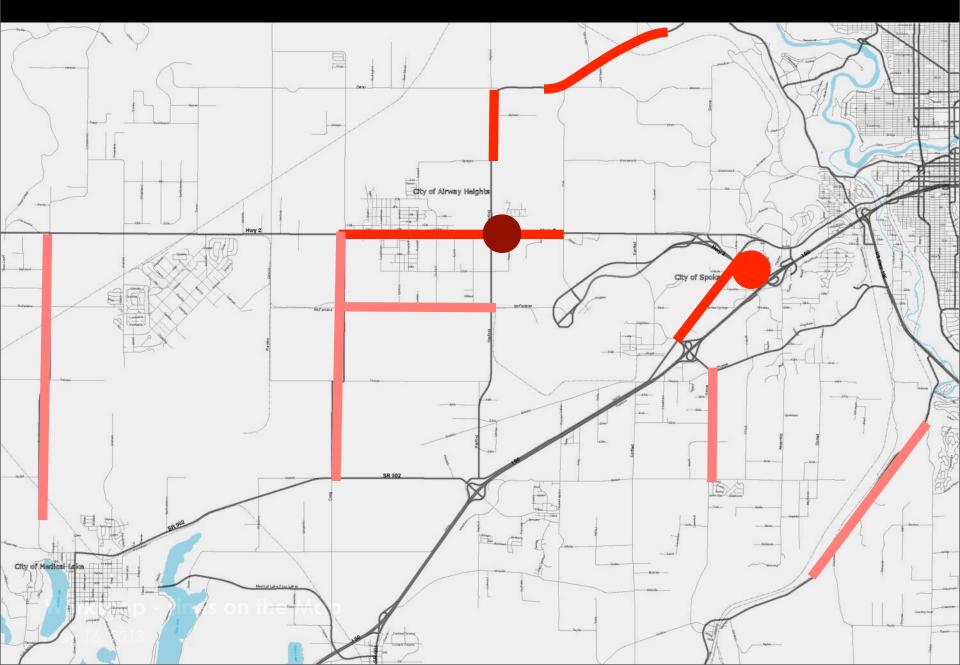
Summary of Deficiencies

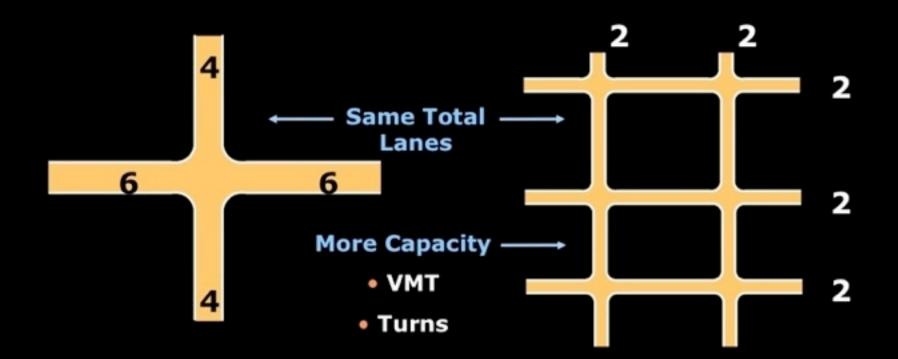


Summary of Deficiencies

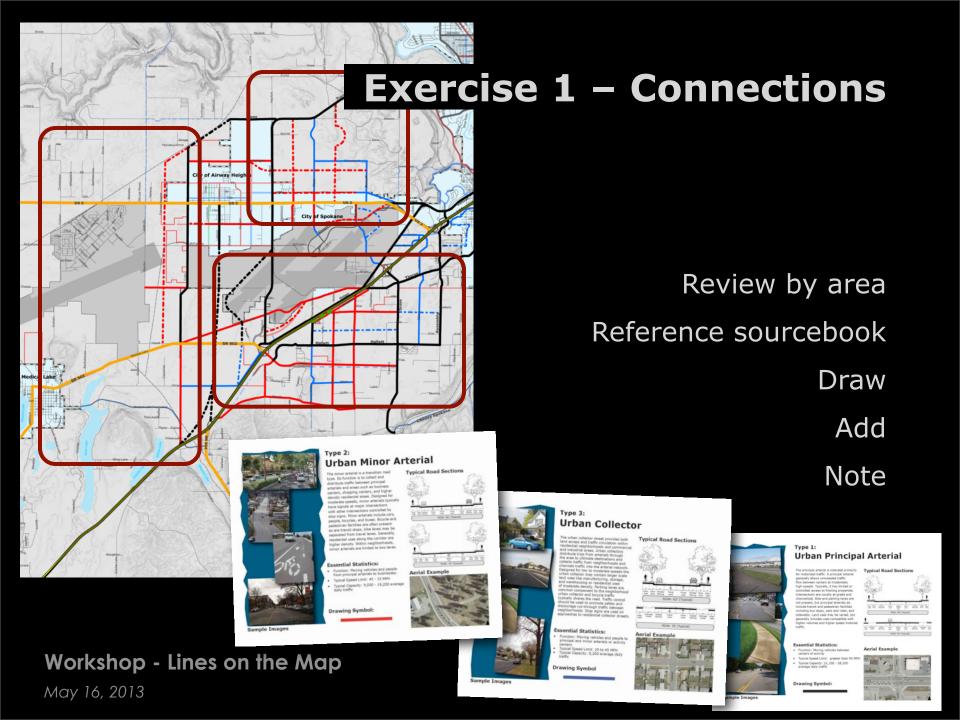


Summary of Deficiencies





Workshop - Lines on the Map



Exercise 1 – Area 1

East of Airway Heights north of US 2

Limited network density

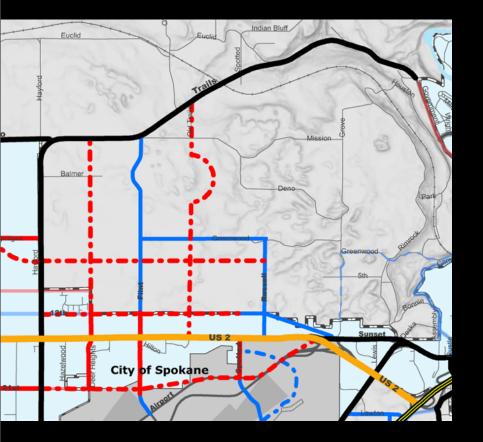
Higher traffic volumes

Topography constraints

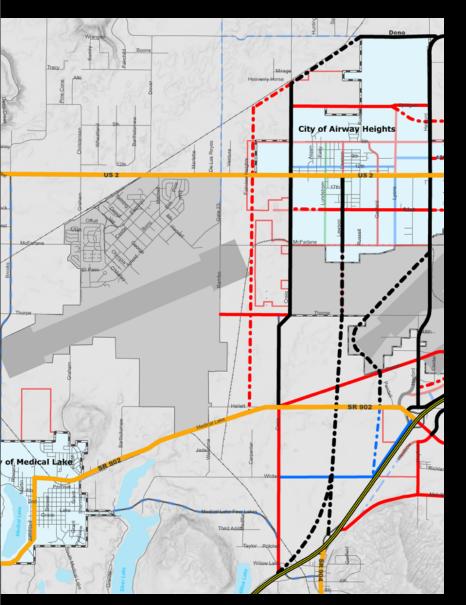
East-west and north-south connections to reduce US-2 congestion

US 2 turning movements

Fairchild/SIA development limits



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Exercise 1 – Area 2

West of Airway Heights

Very limited network density

Lower traffic volumes

Minimal constraints

North-south connections for FAFB

Upgrade Craig to principal arterial

Area between SIA and Fairchild preserved for large lot industrial development

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Exercise 1 – Area 3

South of US 2

Very low network density

Lower traffic volumes

SIA/FAFB constraints

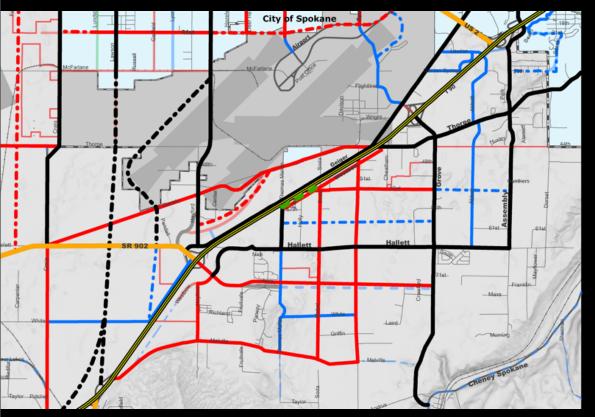
Topography constraints south of I-90

> New additional principal arterials (Craig, Lawson, Hayford)

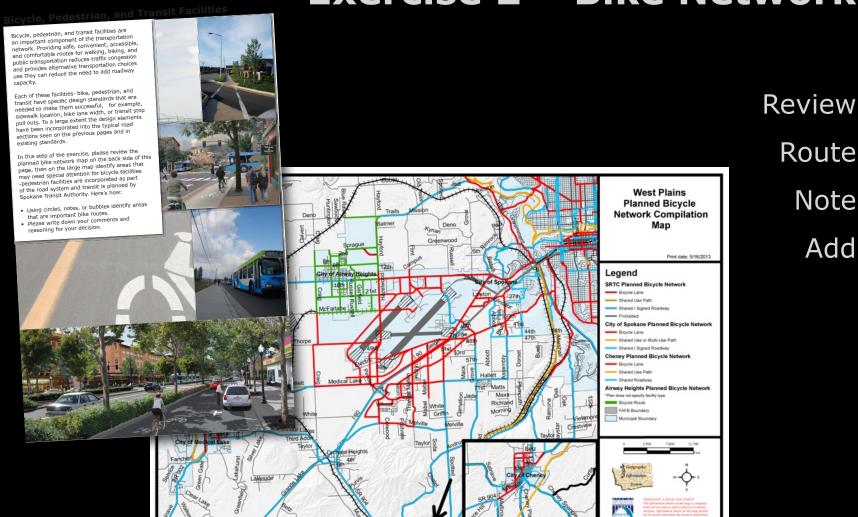
Improved connections to I-90, Medical Lake, and Cheney

Increased residential network density south of I-90

Spotted and Hayford SIA realignment

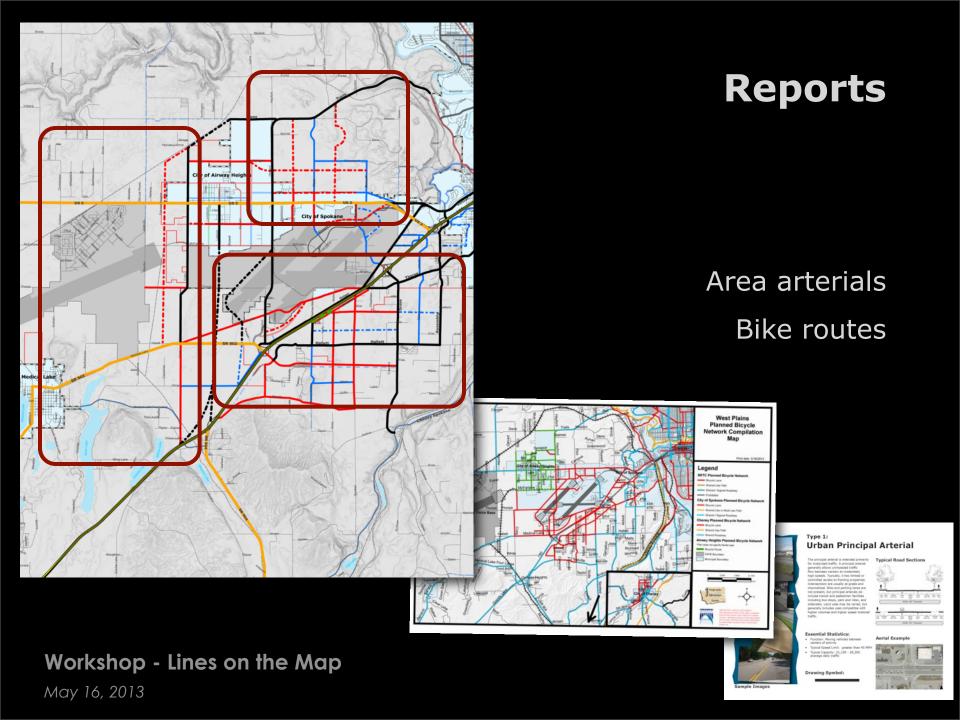


Workshop - Lines on the Map



Exercise 2 – Bike Network

Workshop - Lines on the Map



Next Steps

Report draft Comprehensive plans

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Thank you!

Kathleen Weinand, AICP City of Spokane 509-625-6146

kweinand@spokanecity.org



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