West Plains Subarea/Capital Facilities Planning

Additional funding provided by a grant through the WA Department of Commerce
West Plains Subarea Planning Process

- Purpose / Scope of Project
- Current Conditions
  - Identified Issues
  - Anticipated Future
- Process to Date
- Next Steps
Project Purpose

• Identify Capital Facility Needs in West Plains
  – West Plains Annexations: Jan 1, 2012
  – AIR Spokane / Project Pegasus – 737 MAX program
  – Coordination

• Better Prepare Area to Secure Scarce Funding
• Plan for Dedication of Needed Right-of-Way
• Prioritize Improvements
Project Scope

• Updated Coordinated Arterial Plan
  – Major highways
  – Arterial streets
  – Non-motorized routes
  – Truck routes
  – Character

• Inter-Area Connections
  – Airway Heights – Cheney - Medical Lake

• Pathways
Previous Work

• 1980: West Plains Water and Sewer Plan (COS)
• 2003: SR 904 Cheney-Four Lakes Route Development Plan (WSDOT)
• 2010: US 2 Route Development Plan (WSDOT)
• 2011: West Plains-SIA Transportation Study (SRTC)
The Area

Multiple Interest Groups
- Spokane County
- Fairchild
- SIA
- WSDOT
- City of Spokane
- City of Airway Heights
- City of Medical Lake
- City of Cheney
- Spokane Tribe
- Kalispel Tribe
- STA
- SRTC
West Plains Size Comparison

West Plains UGA Acreage = 22,900
Square Miles = 35.5 sq. miles
(7.5 sq. miles owned by SIA)

Spokane Valley Acreage = 24,350
Square Miles = 38 sq. miles
Land Use Plans
Identified Issues

- Stormwater Management
- Water and Sewer Connections
- Transportation
  - Connectivity
  - Safety
  - Capacity
Existing Conditions

Hallett Road, in front of new school

S Hayford Road

Shopping carts at bus stop at Hayford and US 2
Stormwater
Industrial Land Survey
Available Infrastructure
Acreage of Industrial/Commercial = 13,700
Square Miles = 21.5 sq. miles

Airport Ownership:
4,700 Acres
7.4 sq. miles

Total Acreage of Study Area = 22,900
Square Miles = 35.5 sq. miles

Employment potential = additional 93,000 employees
Traffic Forecast

2010 Traffic Volumes

Spokane Regional Transportation Council Modeled 2040 Traffic Volumes

SRTC Model assumes growth above OFM median
Outreach

- Six TAC Meetings, Dec ‘12- Sept ‘13
- Two Public Workshops, March and May
TAC Meeting

1st Public Workshop

Working Group

2nd Public Workshop

Draft Arterial Network Plan Progression
Current Draft Arterial Network
West Plains - Proposed Improvements
<table>
<thead>
<tr>
<th>Short Range Projects</th>
<th>Timeframe</th>
<th>Base Year Budget</th>
<th>Future Year Budget</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. SR 2 Congestion Relief Phase 1 - 6th/12th Alignment East (SR 2 Spotted to Hayford North)</td>
<td>Short</td>
<td>$7,214,365</td>
<td>$8,729,381</td>
</tr>
<tr>
<td>2. SR 2 Congestion Relief Phase 1 - Deer Heights, Campus, Flint Rd Extensions</td>
<td>Short</td>
<td>$3,261,286</td>
<td>$3,946,156</td>
</tr>
<tr>
<td>3. Hayford Road Priority 1 - Three Lanes (SR 2 to McFarlane)</td>
<td>Short</td>
<td>$3,067,919</td>
<td>$3,712,182</td>
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<tr>
<td>4. Hayford Road Priority 2 - Widened Two Lanes (McFarlane to SR 902)</td>
<td>Short</td>
<td>$4,302,191</td>
<td>$5,205,652</td>
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<tr>
<td>5. Highway Traffic Signal or Intersection Improvements - SR 2/Deer Heights</td>
<td>Short</td>
<td>$800,000</td>
<td>$975,000</td>
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<tr>
<td>6. Highway Traffic Signal or Intersection Improvements - SR 2/Campus Road</td>
<td>Short</td>
<td>$800,000</td>
<td>$975,000</td>
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<tr>
<td>7. Arterial Traffic Signal or Intersection Improvements - Hayford Road/6th/12th Intersection</td>
<td>Short</td>
<td>$450,000</td>
<td>$550,000</td>
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<tr>
<td><strong>Total Short-Term TIP</strong></td>
<td></td>
<td><strong>$19,895,761</strong></td>
<td><strong>$24,093,371</strong></td>
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</table>

<table>
<thead>
<tr>
<th>Short to Medium Term Projects</th>
<th>Timeframe</th>
<th>Base Year Budget</th>
<th>Future Year Budget</th>
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</thead>
<tbody>
<tr>
<td>8. SR 2 Congestion Relief Phase 2 - 18th/21st Alignment (SR 2 to Hayford South)</td>
<td>Medium</td>
<td>$8,666,502</td>
<td>$11,786,443</td>
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<tr>
<td>9. SR 2 Congestion Relief Phase 2 - Deer Heights &amp; New Rd Extensions</td>
<td>Short</td>
<td>$1,760,284</td>
<td>$2,393,986</td>
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<tr>
<td>10. SR 2 Congestion Relief Phase 3 - 6th/12th Alignment West (Fairview Heights to Hayford North)</td>
<td>Medium</td>
<td>$12,074,544</td>
<td>$16,421,380</td>
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<td>11. SR 2 Congestion Relief Phase 3 - Hayden Road Extension</td>
<td>Short</td>
<td>$1,091,694</td>
<td>$1,484,704</td>
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<tr>
<td>12. Highway Traffic Signal or Intersection Improvements - SR 2/Sunset Highway Connector</td>
<td>Medium</td>
<td>$800,000</td>
<td>$1,100,000</td>
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<tr>
<td>13. Highway Traffic Signal or Intersection Improvements - SR 2/Fairview Heights</td>
<td>Medium</td>
<td>$800,000</td>
<td>$1,100,000</td>
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<tr>
<td>14. Arterial Traffic Signal or Intersection Improvements - Hayford Road/18th/21st Intersection</td>
<td>Short</td>
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<td>$600,000</td>
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<td>15. Arterial Traffic Signal or Intersection Improvements - Hayford Road/Flint Road</td>
<td>Short</td>
<td>$450,000</td>
<td>$600,000</td>
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<tr>
<td><strong>Total Short to Medium TIP</strong></td>
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<td><strong>$26,093,023</strong></td>
<td><strong>$35,486,512</strong></td>
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</table>
Proposed Street Improvement Costs

Example: 21st Avenue, new construction

<table>
<thead>
<tr>
<th>Year 2025 Projects</th>
<th>Construction Year</th>
<th>Base Year Budget</th>
<th>Future Year Budget</th>
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<tr>
<td>8. SR 2 Congestion Relief Phase 2 - 18th/21st Alignment (SR 2 to Hayford South)</td>
<td>2025</td>
<td>$8,666,502</td>
<td>$11,786,443</td>
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<table>
<thead>
<tr>
<th>Year 2040 Projects</th>
<th>Construction Year</th>
<th>Base Year Budget</th>
<th>Future Year Budget</th>
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<tbody>
<tr>
<td>19. SR 2 Congestion Relief Phase 4 - 8th/21st Alignment West (SR 2 to Hayford South)</td>
<td>2040</td>
<td>$5,178,022</td>
<td>$9,372,220</td>
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Short Term Project Cost: 2020

<table>
<thead>
<tr>
<th>Total TIP Year 2020</th>
<th>Base Year Budget</th>
<th>Future Year Budget</th>
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<tbody>
<tr>
<td>$29,462,263</td>
<td>$37,079,814</td>
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Total Projected Cost of All Recommended Projects: 2040

<table>
<thead>
<tr>
<th>Total West Plains Recommended Capacity Projects Through Year 2040 - Project Budgets</th>
<th>Base Year Budget</th>
<th>Future Year Budget</th>
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<tbody>
<tr>
<td>$68,335,566</td>
<td>$96,555,433</td>
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</table>
Draft Bicycle Network
Next Steps

- Encourage Plan Recognition by other Jurisdictions
  - Resolution?
- Pursue Bicycle Network Plan
- Highway 2 Character
- Public Review
  - Public Open House
  - Present to Plan Commissions
- Pursue Coordinated West Plains Impact Fee?
- Including Plan in City’s Transportation Chapter Update
Continued Work

Ongoing Coordination with

- Water
- Sewer
- Power
- Recreation
- Parks
- Telecommunications