STUDIES FUNDED BY DEPT. OF DEFENSE

• I-5 Transportation Alternatives Analysis and Traffic Operational Model ~$500K (Managed by the City of Lakewood, partnered with WSDOT)

• JBLM Growth Coordination Plan ~$1.2 million
  – Housing
  – Economic Impacts
  – Education
  – Transportation
  – Land Use Planning and Policies
  – Utilities and Infrastructure
  – Public Safety and Emergency Services
  – Health Services
  – Social Services
  – Quality of Life
• 2 Counties
• 7 Municipalities
• 7 School Districts
• 12 Special Service Providers
• Multiple Public & Private Stakeholders
• Health and Human Service providers
• and many more!
Joint Base Lewis-McChord is now the largest military installation on the west coast with more than 415,000 acres, including Yakima Training Center.
• Part of Seattle-Tacoma-Olympia metropolitan region
• Bisected by Interstate 5
• JBLM - 86,176 Acres (the size of the city of Seattle)
RECENT GROWTH AT JBLM

2003 - 2010

• Total personnel (both military and civilian) increased from 35,331 to 50,587 (43%)

• Associated family members grew from 36,399 to 53,444 (47%)

• As many as 18,000+ troops returned from deployments in fall 2010.
Recent Army stationing decisions are expected to increase the total number of direct personnel to 52,404.

By 2016, JBLM will support 136,124 soldiers, airmen, dependents and employees, in addition to the 117,971 military retirees already present.

Total population accessing JBLM on a regular basis?

254,095
REGIONAL ECONOMIC IMPACT

• JBLM is the 3rd largest employer in Washington
• By far the largest employer in Pierce County
CONSTRUCTION SPENDING

Total construction spending at JBLM in the last 5 years ~ $1.8 Billion.

Construction includes:
• new residential dormitories
• 500 to 700 units of family housing
• new facilities at Madigan Hospital
• a new Town Center development mixed-use project containing residential and commercial development.

Approximately $2.08 Billion in construction spending is projected in the next 4 years.

<table>
<thead>
<tr>
<th>Construction Year</th>
<th>Annual Construction Spending</th>
</tr>
</thead>
<tbody>
<tr>
<td>2006</td>
<td>$110,777,422</td>
</tr>
<tr>
<td>2007</td>
<td>$230,663,848</td>
</tr>
<tr>
<td>2008</td>
<td>$683,000,000</td>
</tr>
<tr>
<td>2009</td>
<td>$484,000,000</td>
</tr>
<tr>
<td>2010</td>
<td>$325,000,000</td>
</tr>
<tr>
<td>2011</td>
<td>$268,000,000</td>
</tr>
<tr>
<td>2012</td>
<td>$479,000,000</td>
</tr>
<tr>
<td>2013</td>
<td>$541,000,000</td>
</tr>
<tr>
<td>2014</td>
<td>$525,000,000</td>
</tr>
<tr>
<td>2015</td>
<td>$270,000,000</td>
</tr>
</tbody>
</table>

Total $3,916,441,270

Source: JBLM Base Command, 2010
### MILITARY PAYROLL AND OTHER EXPENDITURES (FY09)

<table>
<thead>
<tr>
<th></th>
<th>Total Personnel</th>
<th>Total Payroll</th>
<th>Other Expenditures</th>
</tr>
</thead>
<tbody>
<tr>
<td>Joint Base Lewis McChord</td>
<td>47,136</td>
<td>$2,445,659,776</td>
<td>$1,076,972,841</td>
</tr>
<tr>
<td>Navy Region Northwest</td>
<td>39,009</td>
<td>$2,079,568,943</td>
<td>$51,848,689</td>
</tr>
<tr>
<td>Fairchild Air Force Base</td>
<td>5,828</td>
<td>$229,633,649</td>
<td>$70,993,134</td>
</tr>
<tr>
<td>Coast Guard (Dist. 13, WA)</td>
<td>2,694</td>
<td>$148,021,723</td>
<td>$137,583,694</td>
</tr>
<tr>
<td>Washington National Guard</td>
<td>8,718</td>
<td>$215,264,511</td>
<td>$106,839,297</td>
</tr>
<tr>
<td>Pension Payments (Statewide)</td>
<td></td>
<td></td>
<td>$1,353,543,000</td>
</tr>
<tr>
<td><strong>Total Washington State</strong></td>
<td><strong>103,385</strong></td>
<td><strong>$5,118,148,602</strong></td>
<td><strong>$2,797,780,655</strong></td>
</tr>
</tbody>
</table>

Direct defense spending in Washington ($7.92 billion) is nearly 4% of the total State GDP.
785 new soldiers and their families will need off-base housing near JBLM between 2010 and 2016. (2,126 total)

Where might they locate?
Lacey    (13.8%, 292 soldiers and dependents)
Tacoma   (13.1%, 277 soldiers and dependents)
Lakewood (12.3%, 261 soldiers and dependents)
DuPont, unincorporated Pierce/Thurston counties, other cities
         (39.2 %, 830 soldiers and dependents)
SINGLE FAMILY BUILDING PERMIT ACTIVITY
(THURSTON AND PIERCE COUNTY 2004-2008)
- Approximately 80% oriented to/from I-5
- ~30% to Thurston County
- ~20% to the East
- Typically use the closest access control point
- Dependent on the installation network
CONGESTION ISSUES ALONG I-5

• Congestion throughout the day
• I-5 is the most heavily traveled freight corridor in the state (15,000 trucks/day)
• Frequent rear-end collisions due to stop and go traffic
• Serves the Ports of Olympia, Tacoma, Seattle
BASE ACCESS CHALLENGES

- Infrastructure that supported 18,000 soldiers and airmen in 2003 now needs to support +40,000.

- Roadway capacity deficiencies
  - On I-5 and at Interchanges
  - On-Base roadways
  - At Security/Access Points

- Internal JBLM studies recommend an additional 20 inbound lanes to the existing 34 inbound lanes.

- Unfunded cost? $91.3M
UNIQUE CHALLENGES

- Special work schedules / habits
- Deployments & growth projections
- Disbursement on-base
- Security
  - No priority for public transportation
  - Fixed bus routes are unable to only serve the installation
- Parking availability
- Funding
STRATEGIC CAPACITY INVESTMENT NEEDS

EXIT 119
Dupont-Stellacoom Road

EXIT 120
41st Division Drive

EXIT 122
Berkeley Street

EXIT 123
Thorne Lane

LEGEND
- ARTERIAL BRIDGE
- ELEVATED RAMP
- SURFACE IMPROVEMENTS
- AUXILIARY LANE
- GENERAL PURPOSE LANE
- MILITARY ACCESS CONTROL POINT
- RAMP METER
# Preliminary Cost Estimates

<table>
<thead>
<tr>
<th>Project Component</th>
<th>Estimated Cost*</th>
</tr>
</thead>
<tbody>
<tr>
<td>DuPont Steilacoom Road Interchange</td>
<td>$22 to $72 million**</td>
</tr>
<tr>
<td>41st Division Drive Interchange</td>
<td>$16 million</td>
</tr>
<tr>
<td>Berkeley Street Interchange</td>
<td>$22 to $72 million**</td>
</tr>
<tr>
<td>Thorne Lane Interchange</td>
<td>$300 million</td>
</tr>
<tr>
<td>(ITS, Auxillary Lanes, General Purpose Lanes)</td>
<td>(included in cross-base highway project)</td>
</tr>
<tr>
<td>I-5 Mainline Improvements</td>
<td>$600 million</td>
</tr>
</tbody>
</table>

*Planning level costs only (2010 dollars)

**Range of costs represent alternate interchange concepts as diverging diamond is less expensive due to reduced additional structure need
JBLM GROWTH COORDINATION PLAN RECOMMENDATIONS

Recommendation 1 - Formalize New Methods of Collaboration

Recommendation 2 - Improve Access to Information

Recommendation 3 - Improve Access to Existing Services

Recommendation 4 - Promote JBLM as a Center of Regional Economic Significance

Recommendation 5 - Improve Support for Military Families

Recommendation 6 - Improve Regional Mobility
## SUMMARY OF RECOMMENDATIONS AND STRATEGIES

### RESOURCE AREA   COST

### FOUNDATIONAL RECOMMENDATIONS:

#### Recommendation 1 - Formalize New Methods of Regional Collaboration

<table>
<thead>
<tr>
<th>Recommendation</th>
<th>Description</th>
<th>Resource Area</th>
<th>Cost</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.01</td>
<td>Establish a Regional Partnership to Coordinate Community &amp; Military Planning Services</td>
<td>All</td>
<td>$130,000 - $170,000/year</td>
</tr>
<tr>
<td>1.02</td>
<td>Establish a Military Education Advisory Council</td>
<td>Education</td>
<td>$100,000/year</td>
</tr>
<tr>
<td>1.03</td>
<td>Hold Annual Forum on Military Behavioral Health</td>
<td>Education</td>
<td>$15,500 - $21,000/year</td>
</tr>
<tr>
<td>1.04</td>
<td>Hold Regular Forum to Identify Local Contracting Opportunities</td>
<td>Economics</td>
<td>$25,000</td>
</tr>
<tr>
<td>1.05</td>
<td>Enhance Collaboration Among JBLM Regional Health Providers</td>
<td>Health Care</td>
<td>Existing Resources</td>
</tr>
<tr>
<td>1.06</td>
<td>Establish Military Child Care Stakeholder Meetings</td>
<td>Child Care</td>
<td>$250/meeting</td>
</tr>
<tr>
<td>1.07</td>
<td>Promote the Creation of a Washington State Military Affairs Commission</td>
<td>All</td>
<td>$12,000 - $18,000/year</td>
</tr>
</tbody>
</table>

#### Recommendation 2 - Improve Access to Information

<table>
<thead>
<tr>
<th>Recommendation</th>
<th>Description</th>
<th>Resource Area</th>
<th>Cost</th>
</tr>
</thead>
<tbody>
<tr>
<td>2.01</td>
<td>Monitor JBLM Population and Housing Changes</td>
<td>All</td>
<td>Existing Resources</td>
</tr>
<tr>
<td>2.02</td>
<td>Adapt Existing Child Care Online Database to Track Military-Specific Data</td>
<td>Child Care</td>
<td>$70,000 - $140,000</td>
</tr>
<tr>
<td>2.03</td>
<td>Establish Centralized Military Resources Library for Educators</td>
<td>Education</td>
<td>$25,000 - $37,500</td>
</tr>
<tr>
<td>2.04</td>
<td>Establish and Maintain a Single Online Source of Regional Service and Program Information</td>
<td>All</td>
<td>$100,000</td>
</tr>
<tr>
<td>2.05</td>
<td>Conduct a Military Use, Preferences, and Needs Survey</td>
<td>All</td>
<td>$230,000 - $300,000</td>
</tr>
<tr>
<td>2.06</td>
<td>Complete a Comprehensive Behavioral Health Study</td>
<td>Health Care</td>
<td>$200,000 - $500,000</td>
</tr>
<tr>
<td>2.07</td>
<td>Conduct a Study of Dental/Oral Health Service Gaps</td>
<td>Health Care</td>
<td>$150,000 - $310,000</td>
</tr>
<tr>
<td>2.08</td>
<td>Study Retail Spending Changes Resulting from New Commercial Development on JBLM</td>
<td>Economics</td>
<td>$30,000</td>
</tr>
</tbody>
</table>
RECOMMENDATION 1 – FORMALIZE NEW METHODS OF COLLABORATION

A Memorandum of Agreement (MOA) is being created to form a group to help implement the plan recommendations.

That structure is the: South Sound Military & Communities Partnership (SSMCP)
THE MISSION OF THE SOUTH SOUND MILITARY & COMMUNITIES PARTNERSHIP:

“To foster effective communication, understanding, and mutual support by serving as the primary point of coordination for resolution of those issues which transcend the specific interests of the military and civilian communities of the Joint Base Lewis-McChord region.”
FOR MORE INFORMATION

**Web Sites**
Growth Coordination Plan
http://www.JBLM-growth.com/

City of Lakewood

I-5 Transportation Alternatives Analysis
http://www.wsdot.wa.gov/projects/i5/ftlewismcchordtransportation/

**Contact**
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