CITY OF SPOKANE
INTEGRATED INFRASTRUCTURE STRATEGY

MEETING #3 – STAFF INTERVIEWS

SPOKANE, WASHINGTON USA

MARCH 13, 2014
Comprehensive Plan (Washington GMA Requirements):

1. Land Use Element
2. Housing Element
3. Capital Facilities Element (i.e., 20-year plan)
   - Inventory of existing capital facilities
   - Forecast of future capital facilities
   - Proposed location/capacity of expanded and new capital facilities
   - 6-year (min.) finance plan with funding need and sources identified
   - Land use reassessment requirement if funding falls short
4. Utilities Element
5. Rural Element
Figure 5.1  
Ideal relationship of comprehensive plan to implementation tools
INFRASTRUCTURE PLANNING CONTEXT

Chart 2.1: Elements of Olympia’s Comprehensive Planning Process

- Olympia Comprehensive Plan
- Utilities
- Capital Facilities
- Housing
- Environment
- Transportation
- Police
- Land Use
- Energy
- Historic Preservation
- Parks & Open Space
- Urban Forestry
- Economic Development
- Urban Growth

2012 — 2017
Capital Facilities Plan
City of Olympia | Capital of Washington State

Chart 2.2: Elements of Olympia’s Capital Facilities Planning Process

- Citizen Recommendations
- Transportation Plan
- Water Plan
- Parks Plan
- Stormwater Basin Plans
- Urban Trails Plan
- City Council
- Advisory Committee(s)
“The Beaverton Comprehensive Plan Update, Beaverton Tomorrow, is a long-range plan that will set a 20-year policy framework for the City of Beaverton....

“Beaverton’s Comprehensive Plan must be consistent with the applicable Statewide Planning Goals (shown as green circles in the diagram above).”
INFRASTRUCTURE PLANNING CONTEXT

CONSISTENCY FROM STATE TO LOCAL

GROWTH MANAGEMENT ACT

VISION
- NEIGHBORHOOD PLANS
- STRATEGIC PLANS
- ACTION PLANS

20-50 YEAR PLANS

COMPREHENSIVE PLAN
- POLICIES
- GOALS
- OBJECTIVES

20 YEAR PLAN UPDATED EVERY 5 YEARS

CAPITAL FACILITIES PLAN
- GOALS
- OBJECTIVES
- PROJECTS
- BUDGET

20 YEAR PLAN UPDATED EVERY 7-10 YEARS

CAPITAL IMPROVEMENT PROGRAM
- PRIORITIZATION CRITERIA
- PROJECTS
- BUDGET

5-6 YEAR PLAN UPDATED EVERY YEAR

IMPLEMENTATION

CONSISTENCY FROM VISION TO IMPLEMENTATION
INFRASTRUCTURE PLANNING CONTEXT

VISION
- Neighborhood Plans
- Strategic Plans
- Action Plans

20-50 Year Plans

20 Year Plan
Updated Every 5 Years

Comprehensive Plan
- Policies
- Goals
- Objectives

Capital Facilities Plan
- Goals
- Objectives
- Projects
- Budget

Capital Improvement Program
- Prioritization Criteria
- Projects
- Budget

20 Year Plan
Updated Every 7-10 Years

5-6 Year Plan
Updated Every Year

Implementation

Growth Management Act

Consistency from Vision to Implementation

Can we deliver infrastructure in a more integrated manner?
INFRASTRUCTURE PLANNING

Current Infrastructure Planning

Potential Projects
- Identify Potential Projects
- Request Budget
- Prioritize Projects
- Final Budget

Projects O&M
- Implement Projects

Required Infrastructure Planning

Comprehensive Plan

20-YR Plan
- Growth (Projects, O&M)
- Financial Plan

6-YR Plan
- Implementation (Project, O&M)
- Set Budget

Projects O&M
- Implement Projects
INFRASTRUCTURE PLANNING

Transportation System

Water System

Sanitary System

Stormwater System

City Infrastructure Budget

PUTTMAN INFRASTRUCTURE, INC.

SPOKANE INTEGRATED INFRASTRUCTURE FRAMEWORK
How do we set this budget? …and invest in infrastructure accordingly to “live within our means”?
INTEGRATED INFRASTRUCTURE FRAMEWORK

Required Infrastructure Planning

Comprehensive Plan

20-YR Plan
Growth (Projects, O&M)
Financial Plan

6-YR Plan
Implementation (Project, O&M)
Set Budget

Projects O&M
Implement Projects
INTEGRATED INFRASTRUCTURE FRAMEWORK

Transportation System

- 20-YR Plan
- 6-YR Plan

Growth (Projects, O&M)
Implementation (Project, O&M)

Water System

- 20-YR Plan
- 6-YR Plan

Growth (Projects, O&M)
Implementation (Project, O&M)

Sanitary System

- 20-YR Plan
- 6-YR Plan

Growth (Projects, O&M)
Implementation (Project, O&M)

Stormwater System

- 20-YR Plan
- 6-YR Plan

Growth (Projects, O&M)
Implementation (Project, O&M)
INTEGRATED INFRASTRUCTURE FRAMEWORK

Transportation System
- 20-YR Plan
- 6-YR Plan
  - Growth (Projects, O&M)
  - Implementation (Project, O&M)

Water System
- 20-YR Plan
- 6-YR Plan
  - Growth (Projects, O&M)
  - Implementation (Project, O&M)

Sanitary System
- 20-YR Plan
- 6-YR Plan
  - Growth (Projects, O&M)
  - Implementation (Project, O&M)

Stormwater System
- 20-YR Plan
- 6-YR Plan
  - Growth (Projects, O&M)
  - Implementation (Project, O&M)

Integrated Infrastructure Strategy
- Selection & Prioritization Method
  - Project Prioritization
  - Integrated Projects
  - City Infrastructure Budget

Comprehensive Plan
- Transportation Projects
- Water Projects
- Sanitary Projects
- Stormwater Projects

Project Prioritization
- Integrated Projects
WHY INTEGRATED INFRASTRUCTURE?

INTEGRATED PROJECT DELIVERY

TRANSPORTATION
WATER
SANITARY
STORMWATER

POTENTIAL PROJECTS
INTEGRATED PROJECTS

10-20% SAVINGS

STREET CIP
WATER CIP
SANITARY CIP
STORMWATER CIP

$250M
$175M
$125M
$100M

TOTAL CIP
$600M

$50-100M SAVINGS OVER THE NEXT 5-YEARS

HOW DO WE IDENTIFY POTENTIAL INTEGRATED INFRASTRUCTURE PROJECTS?
WHY INTEGRATED INFRASTRUCTURE?

- Cost savings
- Leverage resources
- More efficient use of existing infrastructure
- Better able to achieve citywide objectives
- Meet multiple mandates through a coordinated effort
- Manage the “infrastructure gap”
- Reduce community disruption and improve public trust
CASE STUDIES SUMMARY

WHAT DID WE LEARN?

– This is new… no “how to” manual…
– Economically driven primarily (qualitative vs. quantitative)
– Natural progression from traditional CIP efforts
– Clear goals and criteria
– Transparent project identification (scoring and ranking)
– Tools and toolkits
– Organizational support a must to maintain efforts
– Communicate approach, status and success!
This is Spokane's Innovation.