# Street by Street

Portland

## Initiative

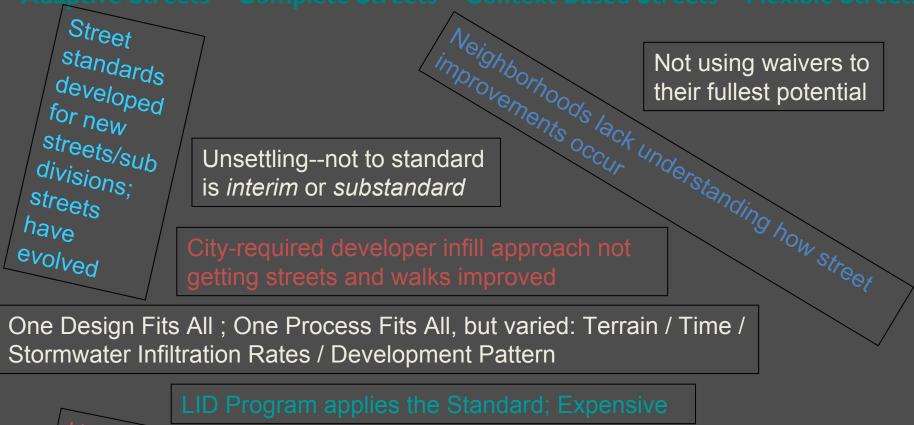
Performance Based Streets for Local Service Streets in single family residential zones (Neighborhood Streets)

> Planning & Sustainability Commission July 2012

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#### Why Street by Street?

Adaptive Streets ~ Complete Streets ~ Context Based Streets ~ Flexible Streets



How useful is a piece of sidewalk, curb and pavement when the rest of the street cannot get built?

Current data of Local Streets has little detail on the in between: Pavement condition / City Maintained or not / TSP Class of "Local"

#### **Street by Street Initiative**

Street by Street Affordable Streets
Construction Methods
Maintenance Options
Options Clarified p

•Want affordable sections and materials to build function and form and to allow greater livability and active streets

•Getting something built is better than nothing

•Do no harm

Performance Based Streets Options for:

- Cross Section
- Alignment
- Materials
  - Settled Performance

### "Standard" High Performance Based Street



High Performance Local Street – LID ~\$1,300 – 1,500/In ft

#### Established & Standardized:

- Sections
- Materials
- Maintenance





## **Streets Not to City Standard**

#### Local Streets /Neighborhood Streets:

- 1,006 miles total local streets
- 45 miles unpaved (5%)
- 167 miles paved without curb (17%)
- 752 miles paved with curb (78%)

#### Neighborhood Streets:

Access – Livability – small but significant

- 49% of total city streets (CL miles)
- 73% of those unpaved are local
- 51% of those without curb are local

#### All streets:

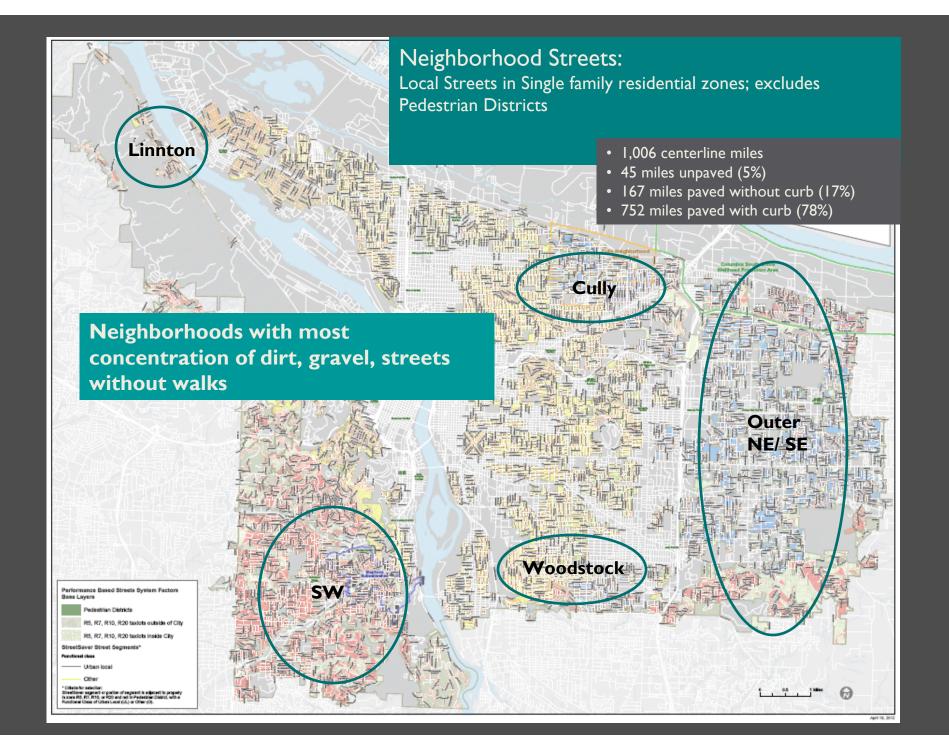
In all zones, no exclusions

- 2,070 miles total streets
- 62 miles unpaved
- 325 miles paved without curb
- 1,625 miles paved with curb



In single family residential zones; excludes Pedestrian Districts



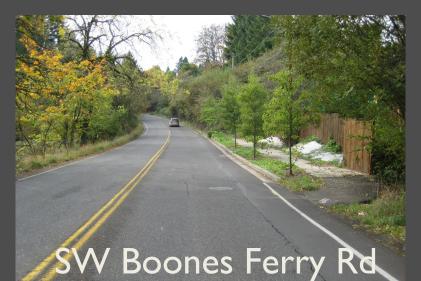


## **Objectives of Street by Street**

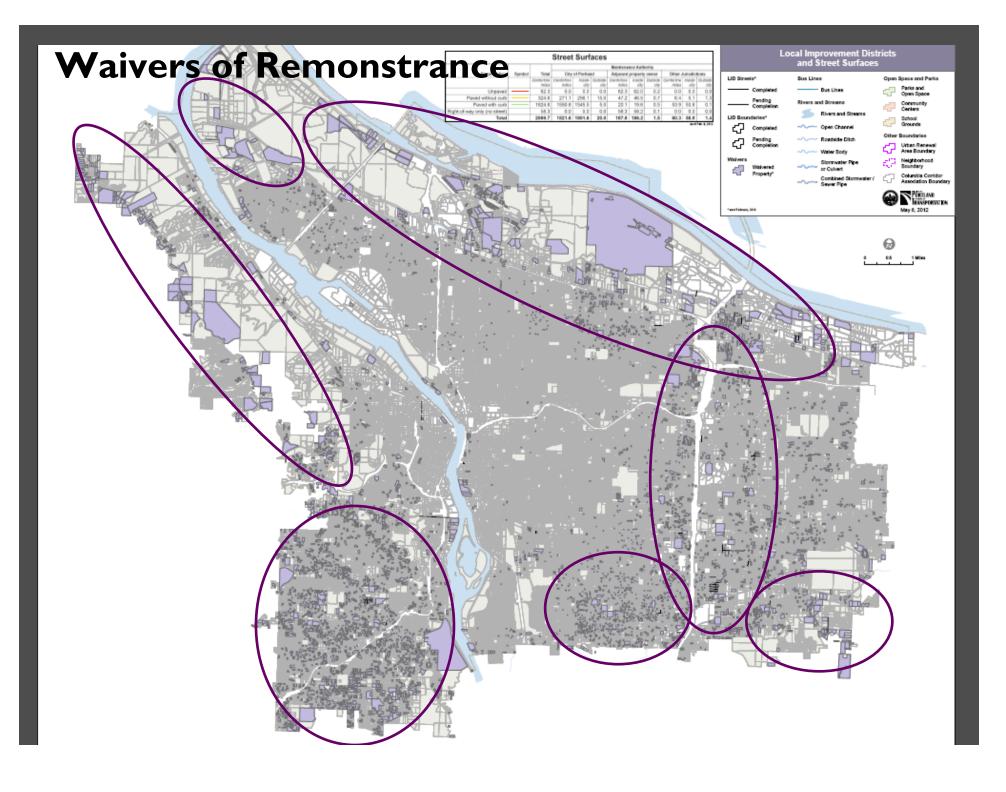
- Performance-based neighborhood streets
- Inform program through stakeholder input
- C. Fundamental Building Blocks Concepts and Design
- D. Clear Construction Options
- E. Clear <u>Maintenance Options</u>
- F. Pilot Program & Projects
- G. <u>Optional developer fee in lieu of performance</u> and associated Street Improvement Fund.
- H. On line tool to guide the community
- I. <u>City Program and Implement/Deliver;</u> Change and Train

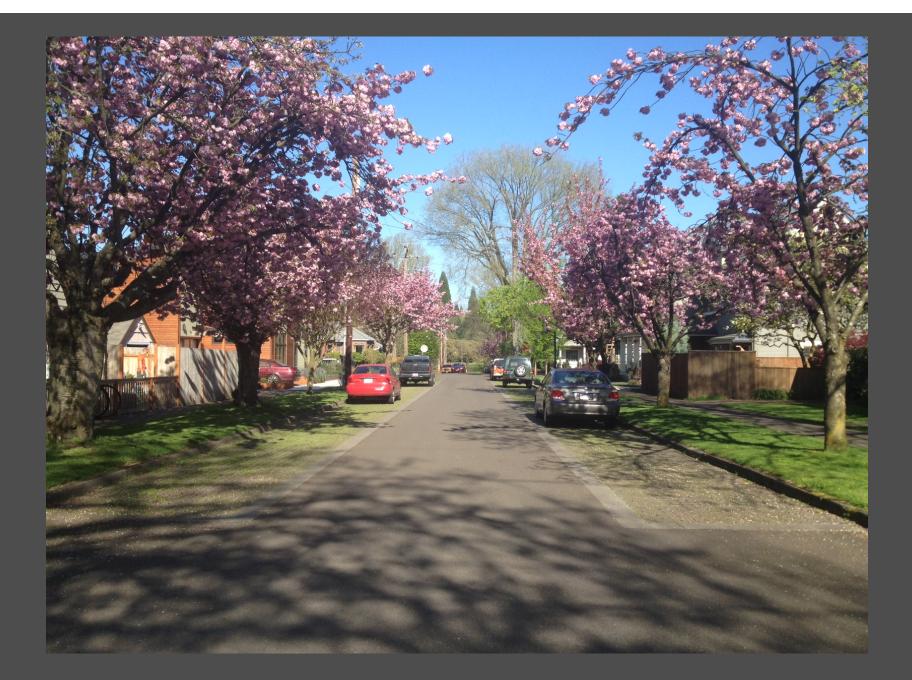
## Infill Development - Street Pattern

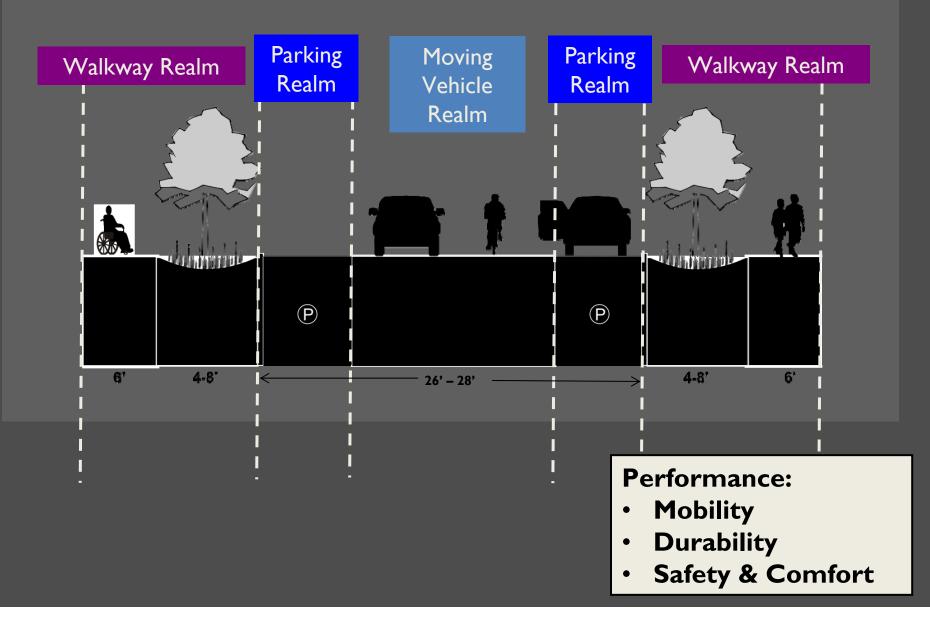








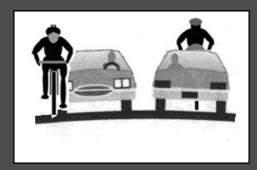






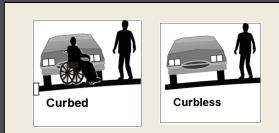
10 ft = 1 way vehicular
20 ft = 2 way vehicular
16 ft = 2 way queuing

Moving Vehicle Realm



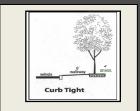
6.5 ft = sedan width7-8 ft = parking curb side width

Parking Realm



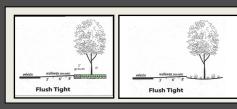
12 ft = 0.5' curb + 4' planter + 6' sidewalk + 1.5' offset

16 ft = curb + 8' storm + sidewalk + offset



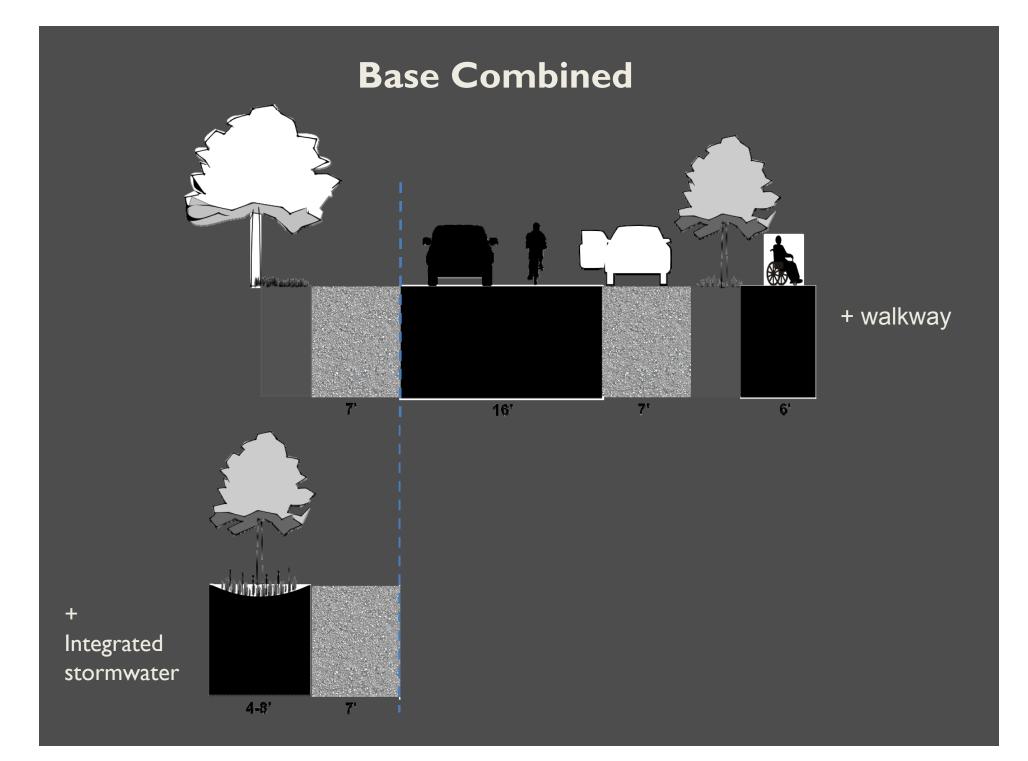




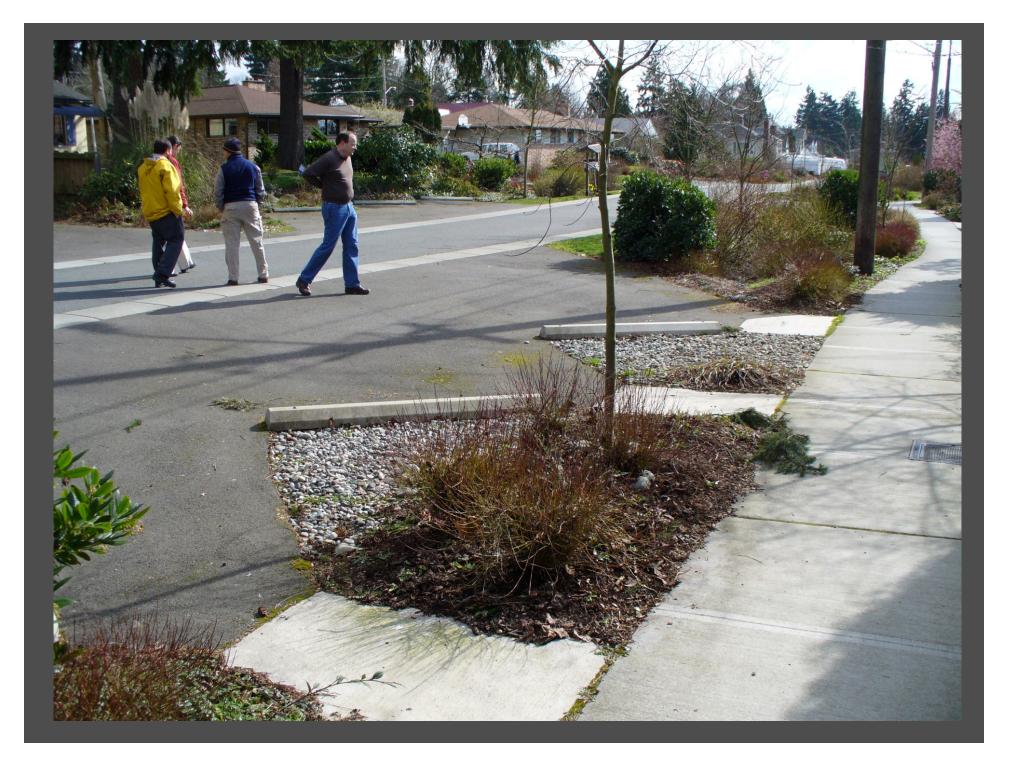




Walkway Realm





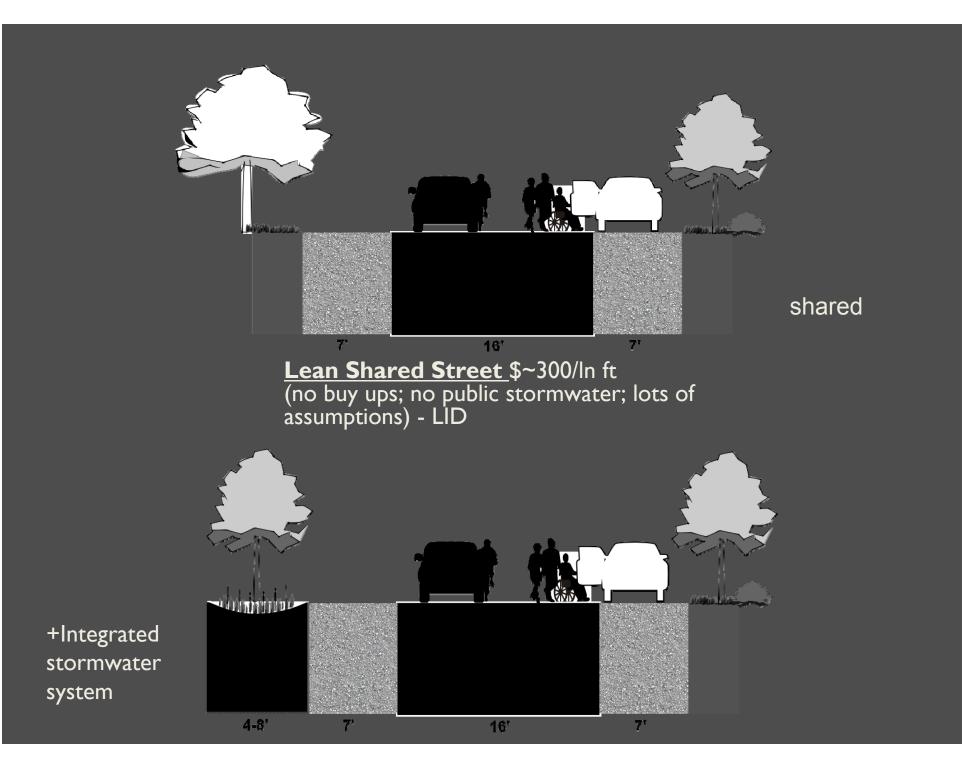


#### **Shared Street**



- I. Low Speed
- 2. Low Volume
- 3. Designed for use
  - (A) Detect-ability (B) Material (C) Safety (D) X-section

4. Operate as local access street



## **Traffic Calming**

- •Segmented Block
- •Gateway/Narrow Entrance
- •Materials & Alignment







#### Stormwater Runoff Management

#### **Current Solutions**

with approved discharge point or  $\geq 2$ "/hr infiltration rate

- Standard Integrated Street
  - 8ft Swale; 6ft Planter; 4-6ft Curb Extension
- Conveyance to a Stormwater Basin (WQ and Detention)
  - 3-5ft \*Open Ditch; I-3ft \*Filled Ditch; Curb & Gutter
     \*new
- Pervious Pavement

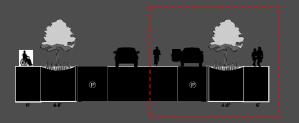


#### **Performance Based Streets**

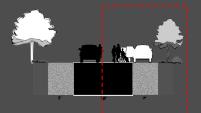
Road Shoulder Improvements; ???

**Costs** (average, estimate only, nothing remarkable)

#### Local Improvement Districts – one lot with 50 ft fronting street

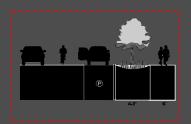


High Performance Local Street \$70,000



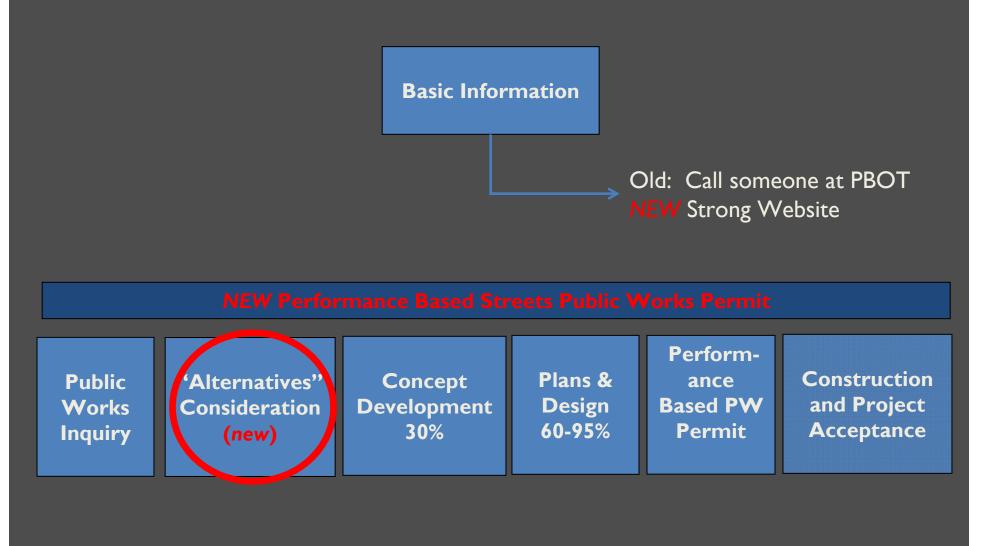
Lean Shared Street \$7,500 (no buy ups; no public stormwater)

#### **Developer Infill PW Permit – one lot with 50 ft fronting street**



**Current Infill Frontage Improvement** *Exact number unknown; estimate only* \$47,500

## **Developer/Non-Developing Resident**



## **Developer Optional Fee**

If not required to build HPS with development-

- Fee is seed money
- Credit transfers with the property
- For future street construction
- Fee based <u>either on</u> (still developing):
  (A) High Performance Street (HPS)
  (B) Base Street Configuration
  - I. Lean Shared Street + ISW
  - 2. Lean Street + Separated Walkway + ISW
- Administrative Fee (prelim.)
- Credit for improved length off site

#### **Development Appeal Basis**

- Majority of Pedestrian Corridor is built at a configuration less than the current standard and the proposed matches existing improvements (Admin Rule TRN 1.09)
- Infill of single-family for three or fewer contiguous lots where the majority of lots have been developed and there is no pattern of existing sidewalks in the area (Pedestrian Design Guide A 2.3)
- Right-of-Way has topographic, existing development, or natural resource constraints (Pedestrian Design Guide A 2.2)
- Existing road has no curb and it is not practicable to construct standard improvements or interim path (Pedestrian Design Guide A 2.3)
- BES stormwater or sewer requirements (PCC Title 17.32) the requirement is not practicable or infeasible

#### **Issues Still to Resolve**

- Pilot Projects; Pilot Program
- Range of design alternatives to offer
- Range of material options to offer
- Settle maintenance responsibilities
- How to involve neighborhood in decision making process
- Optional Developer In lieu of improvements fund
- Development Fund expenditure program
- Details of permits and programs
- Implementation

#### Street by Street Initiative ...more to come

**PDOT Directors Team Technical Advisory Committee** Stakeholders Advisory Committee Public Works Appeals Panel Citywide Land Use Transportation Subcommittee Bureau of Planning & Sustainability Accessibility in the Built Environment Subcommittee SWNI Transportation Subgroup Meeting Homebuilders (HBA) Group City Wide Land Use Group SW Trails Meeting Linnton Neighborhood Meeting City Planning & Development Directors Group Development Review Advisory Committee (DRAC) Public Meetings - September or October ? City Council – September or October ?

Comp Plan and TSP Updates - 2013