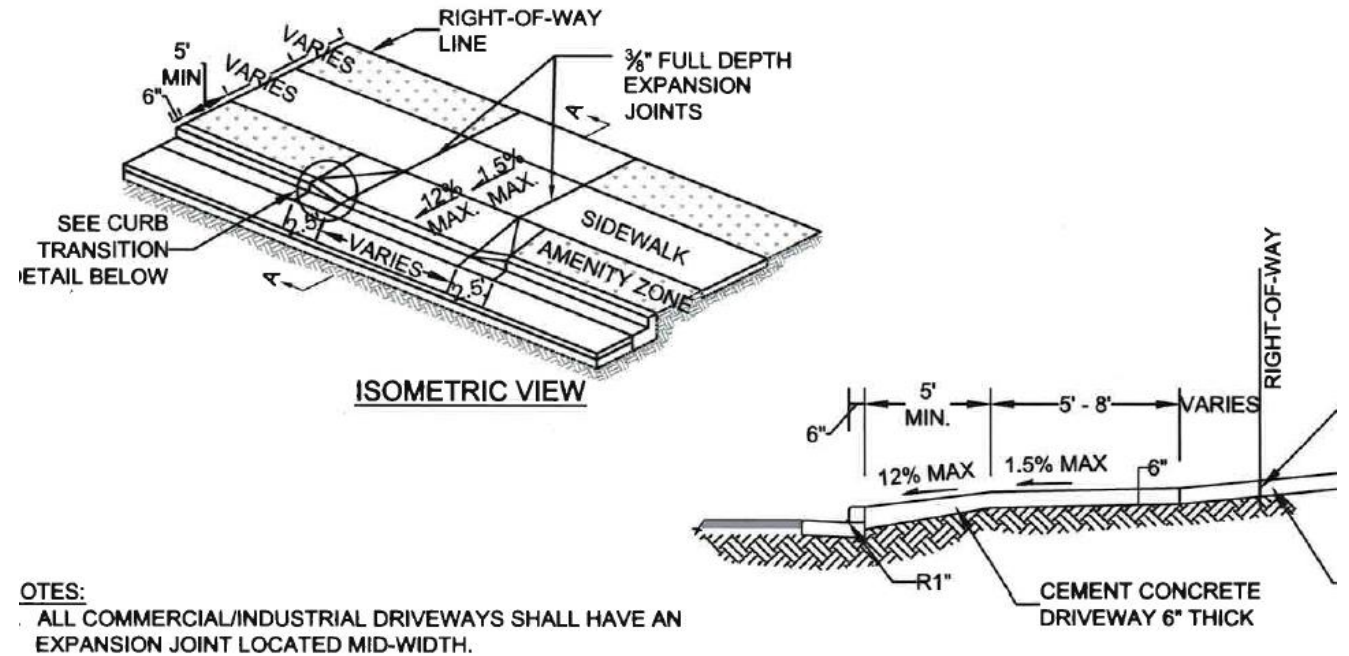


Anatomy of a Sidewalk

Traditional Sidewalk

- Curb and Gutter
- Five foot amenity zone
 - Plantings
 - Utilities
 - Safety
- 5 foot sidewalk
 - Concrete



Before and After Echo Lake Safe Routes to School along NE 195th



NE 195th – During.....



- Mobilization
- Demolition
- Drainage
- Traffic Control



During.....

- Formwork
- Concrete
- Asphalt Patch
- Curb Ramps
- Driveways



Getting close...



- Signage
- Trees
- Pavement Markings
- Other safety improvements



Other elements

- Walls
- Trees
- Property restoration
- Utilities
- Landscaping

Construction Intangibles

- Equipment
- Insurance
- Bonding
- Labor cost –
prevailing wage
- Office/Overhead
- Profit
- Size of Project
- Market/Escalation

City costs

- Design
- Project Management
 - Utility coordination
 - Public outreach
 - Grant management
 - Contract management
- Acquisition/Easements (as needed)
- Construction Inspection

Cost Breakdown

	Costs	% of total
Design	\$93,000	15%
Project Management	\$62,000	11%
Construction Management	\$50,000	9%
Construction	\$373,000	65%
Total	\$578,000	

Length= 600 L.F.

Cost per LF= \$946/L.F.

Conclusions

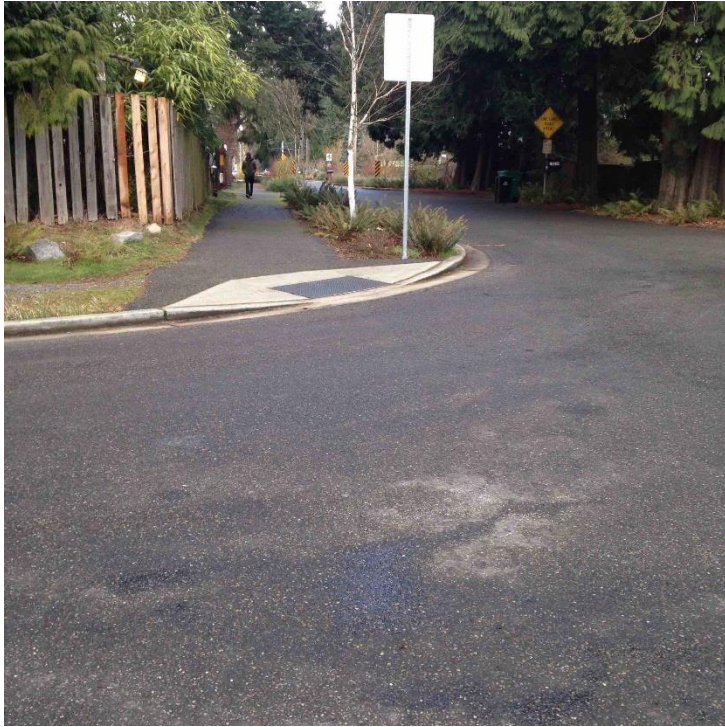
- Highly variable –project by project
- “Hidden costs”
- Regulations and Laws on delivery
 - Low bid
 - Contracting requirements
- **Use Range for cost**
 - **\$500-\$980 per L.F.**

Alternative Sidewalk Treatment

Objectives:

- Feedback and input on the alternatives
- Preference on materials – concrete vs asphalt
- Visual and aesthetic preferences
- Thoughts on what could be appropriate where
- Help determine if staff should review/revise standards

Photos of Alternative Treatments- 17th Ave NE



Photos of Alternative Treatments- 26th Ave NE

