

Making Better Decisions by Linking ADA Curb Ramps to PMS Data

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National **Pavement Preservation** Conference 2016

Problem Since July 8, 2013:



U.S. Department of Justice
Civil Rights Division
Disability Rights Section



U.S. Department of Transportation
Federal Highway Administration

**Department of Justice/Department of Transportation
Joint Technical Assistance¹ on the Title II of the
Americans with Disabilities Act Requirements to
Provide Curb Ramps when Streets, Roads, or Highways
are Altered through Resurfacing**

Treatment is a Maintenance When...

Crack Filing and Sealing	Surface Sealing
Chip Seals	Slurry Seals
Fog Seals	Scrub Seals
Joint Crack Seals, Repairs, Dowel Bar Retrofit, Diamond Grinding	Pavement Patching

Resurfacing is an Alteration when...

Overlay	Reconstruction
Open-graded surface course	Micro-surfacing
Thin Lift Overlays	Cape Seals
In-place Asphalt Recycling	Concrete Pavement Rehab & Reconstruction

Cost of ADA Ramps:

Full-blown 4-corner ramps at Intersection:



\$4,000



\$10,000

Avoidance:

- Change treatment name from Microsurfacing to “Polymer-modified slurry seal”
- Switch to another treatment
- Business as usual
- ADA Transition Plan – lip service?

Consequences:

- Caltrans settled lawsuit for \$1.1 billion for next 30 years
- City of Sacramento – 20% annual budget for curb ramp.
- Your agency -



Current Issues:

- Not having sufficient \$ to fund curb ramp in paving projects
- Curb ramps cost additional 30% - 40%
- Shorten project limit?

Current Issues (cont'd):

- Delay paving project?
- Factor curb ramp cost in treatment unit cost
- Not my problem in public works?

Solution:

Build ADA Curb Ramp
compliance in long-term
capital improvement plan

Asset Management Approach:

- You have pavement management system
- You have integrated pavement preservation strategies in your PMS
- You know your pavement maintenance needs

Why Not Your ADA Curb Ramp Needs?

Benefits:

- Get your ADA Transition Plan in action
- Improve safety for pedestrian and disabilities
- Reduce financial liability
- Cost savings due to economies of scale

Case Study:

- City of Los Altos
 - Semi rural neighborhood
 - 110 miles of streets
 - Current Pavement condition, PCI = 75
 - Use StreetSaver to manage pavements



Paving & Curb Ramp Needs

City of Anywhere

Needs - Pavement Alterations and ADA Compliance Costs

Interest: 2.00%

Inflation: 4.00%

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Street Name	Begin Location	End Location	Street ID	Section ID	FC	Surface	PCI	Cost	Treatment
Year: 2015									
ADAMS CT	END	PUTNAM ST	ADAMSR	0100	R	AC	100	\$14,740	OVERLAY W FABRIC
			CurbRampID				RSL	Cost	Work
			12dsaqd				25.0	\$2,000	Replacement
			cr2431				32.0	\$2,000	Replacement
ALBANS CT	BARMOUTH DR	END	ALBANS	0100	R	AC	100	\$25,916	OVERLAY W FABRIC
ALUMROCK DR	ROCKFORD DR	EAGLERIDGE DR	ALUMRO	0100	R	AC	100	\$109,461	OVERLAY W FABRIC

Priority Ranking:

- Capitol improvement program
- Close to pedestrian generators (like business district)
- Close to pedestrian crash locations

Priority Ranking (cont'd):

- Close to other non-compliant intersections
- Close to elderly/disabled (hospitals, nursing homes, senior centers) facilities
- Safe routes to school

Questions?

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