







ASCE | & LEARNING Why Complete Streets?

RTC of Washoe County, NV

- Transit (mode split and trip reduction)
- MPO (long range mobility)
- Street and Highway (Provides Opportunity)
- Member agencies are the Cities of Reno, Sparks, and Washoe County













SCE KNOWLEDGE Complete Stre	eet Opportunities
Roadwork Type	Opportunities
Capacity (\$\$\$\$)	Bike/Ped, Full ADA, ROW
Reconstruction (\$\$\$\$)	Bike/Ped, Full ADA, ROW
Rehabilitation (\$\$\$)	Bike/Ped, Full ADA
Corrective Maintenance (\$-\$\$)	Bike/Ped, Minor ADA
Preventive Maintenance (¢¢)	Bike/Ped,























ASCE | KNOWLEDGE & LEARNING

Slurry Seals and Microsurfacing

Specialized Truck Precisely combines and mixes all the materials



ASCEI & LEARNING Surry Seals and Microsurfacing Material is delivered to a "box" that evenly distributes the material across the road at the desired rate

ASCE | KNOWLEDGE Slurry Seals and Microsurfacing

Hydraulic augers spread the slurry evenly across the box

































	GE Safer S	Streets		
Recent Road C Vehicle Crash I	onversions Rates	Reduce – Ani	nualized	
Location	Before	After	% Reduction	
Wells Ave			-31%	
California/ Mayberry	33.4	19.4	-42%	
Arlington	18.6	10.0	-46%	
Mill Street	7.7	4.4	-43%	
Sources: UNR Center for Ac of Transportation	Ivanced Transportation	Education and Research a	nd Nevada Department	











ASCE KNOWLEDGE & LEARNING	UC Davis Surface Effects Study
	CDAVIS STITUTE OF TRANSPORTATION STUDIES
R	lesearch Report – UCD-ITS-RR-13-30
Surface Tr	reatment Macrotexture and Bicycle
	Ride Quality
	December 2013
	Hui Li John Harvey Calvin Thigpen Rongzong Wu











		L1522	LIS ≥ 3	$LTS \ge 4$
Street width through lanes per direction)	1	(no effect)	2 or more	(no effect)
Sum of bike lane and parking lane width includes marked buffer and paved gutter)	15 ft. or more	14 or 14.5 ft.3	13.5 ft. or less	(no effect)
Speed limit or prevailing speed	25 mph or less	30 mph	35 mph	40 mph or more
Bike lane blockage (typically applies in commercial areas)	rare	(no effect)	frequent	(no effect)



"My favorite subject: watching asphalt congeal." – New Executive Director

















CE KNOWLEDGE & LEARNING Slurry vs. Microsurface (ISSA)		
Difference In:	Slurry	Micro
Emulsion	Polymer optional	Always polymer modified
	Slow set, quick set Anionic, cationic	Always cationic quick set
Additives/ Break	More dependent on weather	Chemical break
Mix Stiffness/ Equipment	More workable mix	Stiffer mix
	Drag box	Double auger box
		Secondary strike-off
Aggregate	Type I, II, III	Type II and III only
		Higher S.E.
		(cleaner) More
		durable
Application	Fill voids, seal ageing pavement, durable wearing course	Same plus+ high traffic, rut filling, night work, correct minor profile irregularities









ASCE | & LEARNING Webinar Outcomes

For Planners:

 Supporting a robust pavement preservation program can provide you with complete street opportunities and can also open up funding pools to meet your complete street goals.

For Public Works:

Make your pavement program part of a bigger conversation: safety, Complete Streets, and stronger communities and neighborhoods and funding and political support will be easier to come by.



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