December 2015 Storm Event



County Road Advisory Committee Briefing January 11, 2016



Issues from the Storm

- Road Closures
- Landslides
- Culvert & Drainage/Ditching
- Community Isolation
- Damage Assessment
- Staffing concerns
- Cost

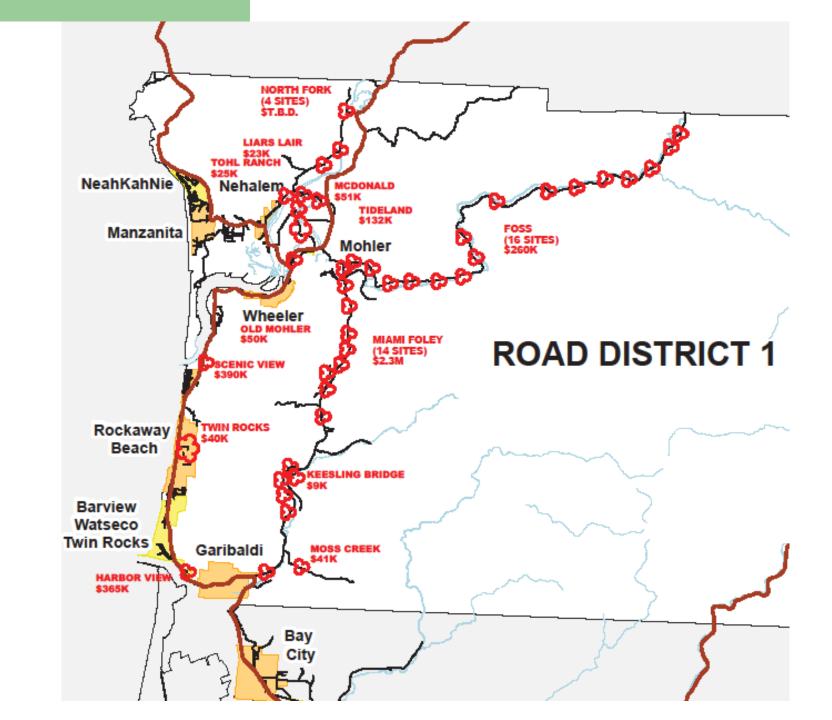


Public Safety is our highest priority

- ✓ Storm response
- Response to landslides and 911 callouts
- Emergency preparedness
- Egress design to prevent community isolation



Wilson River Loop road (N-S) High Water December 2015





Miami Foley Road

Road Closures





Miami Foley Road



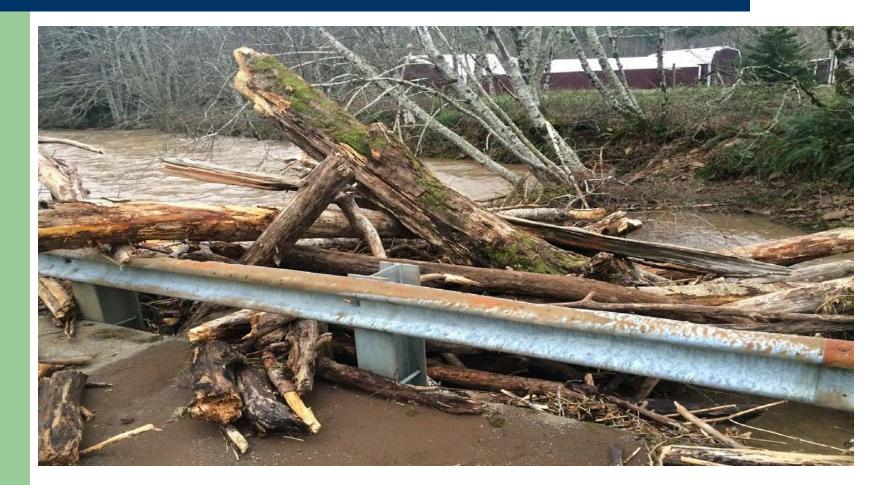


Miami Foley Road



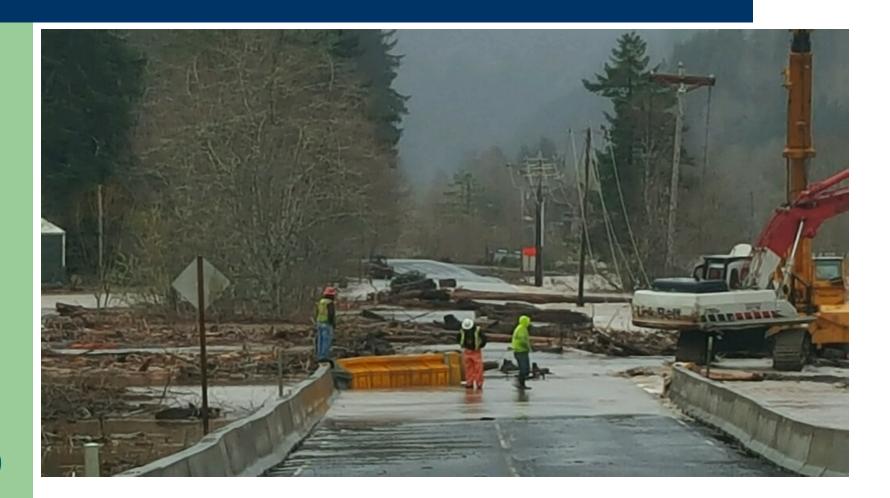


Keesling Bridge (Miami)





Lommen Bridge (Miami)





Frank Crane Road (Pvt)





Foss Road





Foss Road





Harbor View Drive





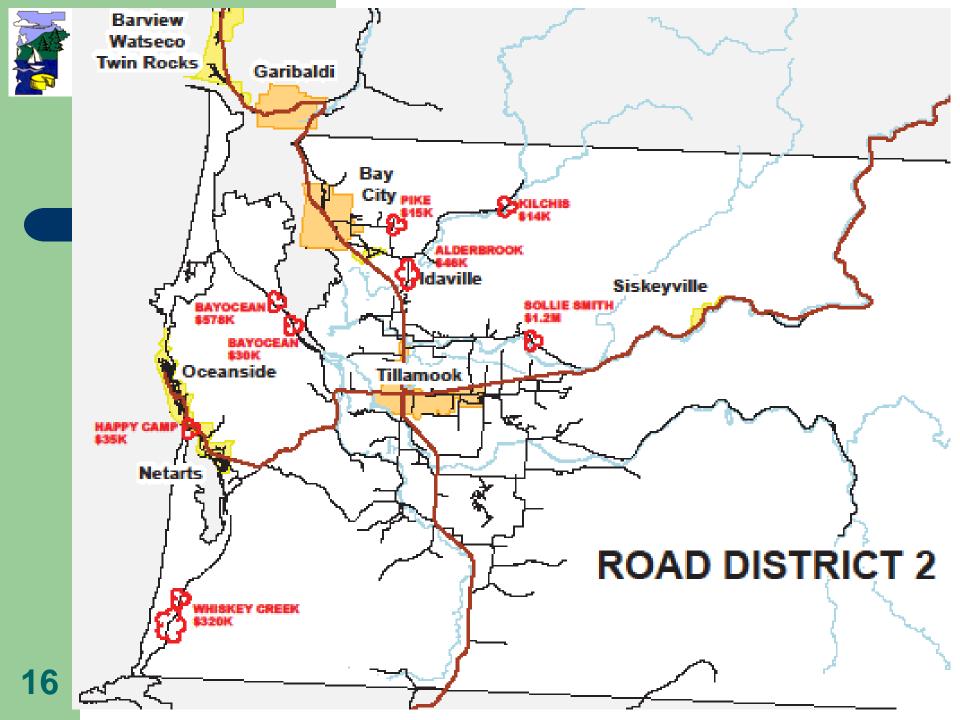
Scenic View Court (Pvt)





South Island Street







Pike Road





Kilchis River Road







Bayocean Road

Culvert & Temporary Bridge





Bayocean Road Community Toasts Public Works



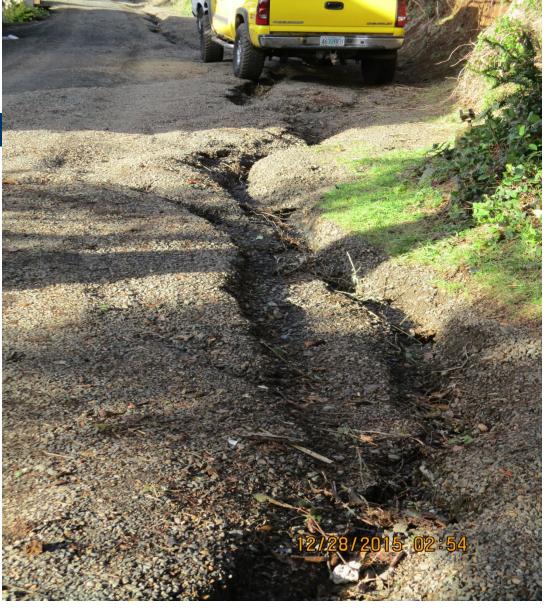


Whiskey Creek Road





Portland Avenue, Oceanside





Wilson River Loop Road (N-S)

Road Closures

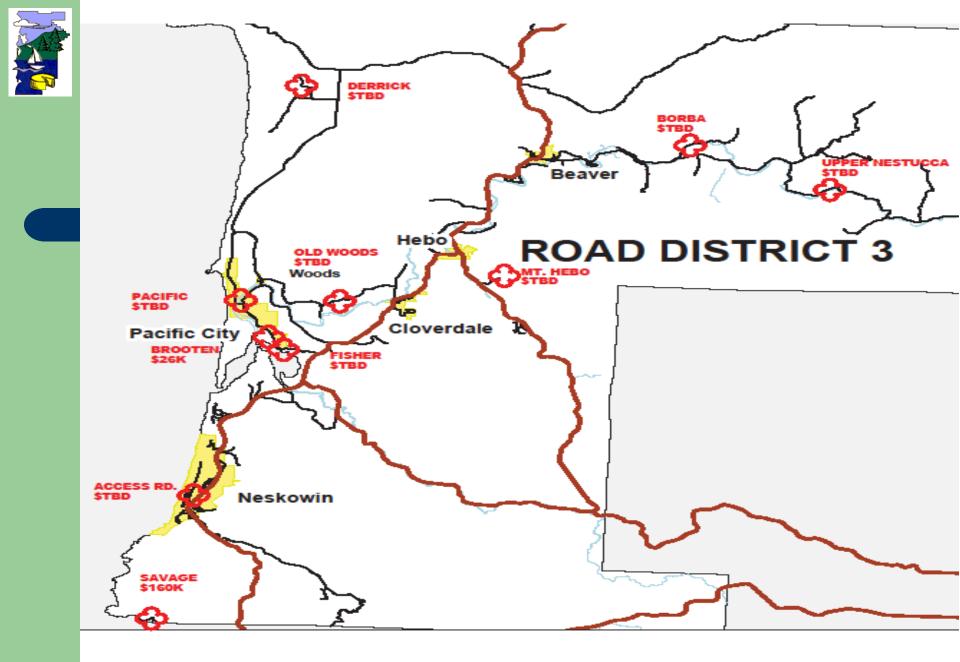




Sollie Smith Road

Culvert Blocked & Temporary Bridge to Avoid Community Isolation







Savage Road





Borba Road





Borba Road





East Creek Road





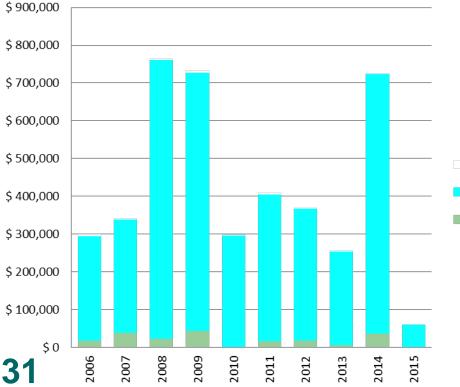
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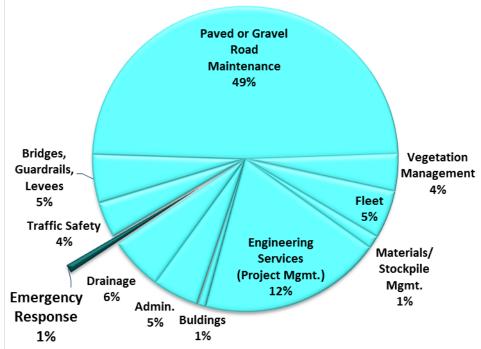
December 2015 Storm Costs - \$8M Preliminary Cost Estimates

			Comments	On-system or	Emergency	Permanent	Estimated
Site #	Brief Description of Damage or Cost	Location	(Impacts)	off-system	Cost	Cost	Cost
1	Culvert and 15' of roadway damage. 12/12/15:	3460 Bayocean Road	Community of Cape	Ön	\$101,000	\$477,000	\$578,000.00
2	Culvert blocked and east bound lane destroyed,	8400 Sollie Smith Road	Potentially isolated	Off	\$279,000	\$939,000	\$1,218,000.00
3	Culvert destroyed, 35' of roadway destroyed.	14705 Harbor View Drive	Seven homes	Off	\$157,000	\$208,000	\$365,000.00
4	Culvert destroyed and 30' of embankment.	29000 Miami-Foley Road (MP	Main North-South	On	\$55,000	\$1,758,000	\$1,813,000.00
5	Culvert destroyed along with 40' embankament and	Miami Forest Road	At least one home	Off	\$0	\$1,825,000	\$1,825,000.00
6	Drift lodged on upstream side of bridge. County	New Miami River Road,	Potentiall to	Off	\$9,000	\$0	\$9,000.00
7	Landslide removal. County crew removed 800 Cuyd	Miami-Foley Road MP 8	Main North-South	On	\$32,000	\$428,000	\$460,000.00
8	Landslide removal, Contractor (Billstine) to remove,	Whiskey Creek Road MP 4.1	Whiskey Creek road	On	\$309,000	\$0	\$309,000.00
9	Damaged Culverts, 95 CUYD's of material	Kilchis River Road	no impacts at this	On	\$0	\$14,000	\$14,000.00
10	Landslide removal, approximately 100 cuyd's.	Whiskey Creek Road MP 5	road narrowed to	On	\$8,000	\$0	\$8,000.00
11	Landslide destroyed two twin 36" culverts and	Scenic View Court	Isolating one	Off	\$168,000	\$220,000	\$388,000.00
12	Multiple Landslides and Debris Flows. County	Foss Road MP 0 to 16	one lane restriction	On	\$261,000	\$0	\$261,000.00
13	Damaged 7' diameter Culvert with outfall section	Miami-Foly Road MP 7.5	Could close Main	On	\$0	\$53,000	\$53,000.00
14	Landslide on downhill side of road, potential to	Savage Road	serves 42	Off	\$0	\$160,000	\$160,000.00
15	36" pipe, road undermined and creek bypassing	Pike Road MP 0.1	7-10 residences	Off	\$0	\$15,000	\$15,000.00
16	Landslide, 600 Cuyd's. County Forces cleaning up.	Bayocean, MP 2	closed for a short	On	\$30,000	\$0	\$30,000.00
17	2 landslide boat launch. 12/17/15 occurance. No	Brooten Road, Pacific City	Unknown at this	On	\$26,000	\$0	\$26,000.00
18	System wide drainage damage, culvert	washington street/island road.	Access does not	Off	\$40,000	\$0	\$40,000.00
19	Moss Creek Road, culvert blocked, pavement and	Moss Creek Road MP 1.3	Temp access	Off	\$0	\$41,000	\$41,000.00
20	60-80 cuyd's of slide material to remove, culvert may	Shiffman Road	Unknown at this	Off	\$0	\$7,000	\$7,000.00
21	Road flooded out with 350 Cuyd's of sediment, plus	McDonald Dike Road	Travel way open, but	Off	\$0	\$51,000	\$51,000.00
22	440 cuyd's of sediment removal, possible shoulder	Liars lair	Travel way open, but	Off	\$0	\$23,000	\$23,000.00
23	1,400' shoulder rock, 150 Cuyd's of shoudler repair	AlderBrook Road	Travel way open, but	On	\$0	\$46,000	\$46,000.00
24	125' of road replacement, shoulder repairs,	Tideland Road	Travel way open, but	Off	\$0	\$132,000	\$132,000.00
25	0.9 mile inundated with sediment and woody debris,	Tohl Ranch Road	Travel way open, but	Off	\$0	\$25,000	\$25,000.00
26	slow moving slide progressing	Old Wheeler Mohler road	Travel way open, but	Off	\$0	\$50,000	\$50,000.00
27	Shoulder and road surface	Gods Valley Road	Travel way open, but	Off	\$0	\$20,000	\$20,000.00
28	Contractor cleaned out culvert, need to restore	Happy Camp Road	None at this time	Off	\$10,000	\$25,000	\$35,000.00
	Total				\$1,485,000	\$6,517,000	\$8,002,000



Storm response is hard to predict, impacts the budget and wreaks havoc on an already fragile drainage system





🗆 1202 - Debris Removal

1161 - Flood/Wind/Slide

1160 - Snow Plow/Sanding



Questions

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