

IKE for Department of Transportation

A Measurement Solution for Validating Right-of-Way



**Customized to support
Washington State DOT
Franchise Renewal Process**



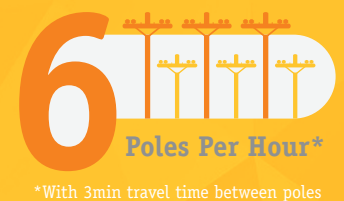
Traditional Method of Data Capture for UORR Average:



IKE 3 Data Capture for UORR Average:



Average Productivity Increase with IKE 3



Average 7-Minute Per Pole Measurement – Using IKE 3

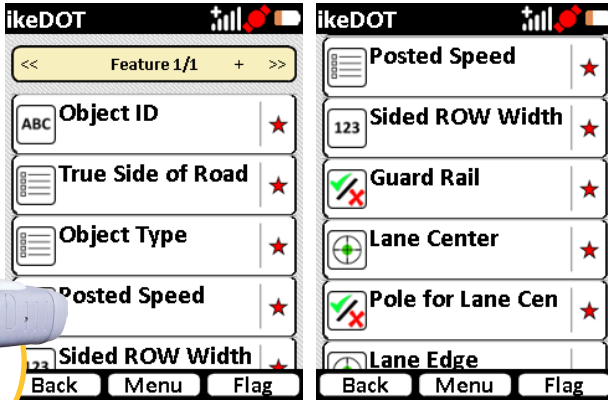
IKE is a digital measurement solution that allows the required Washington State Department of Transportation (WSDOT) utility franchise Right-of-Way (ROW) data to be collected using an electronic form customized to meet the DOT requirements.

Field test indicate that the needed information can be captured and processed into the required Utility Object Relocation Report (UORR) in approximately 7 minutes per pole, where traditional methods average greater than 30 minutes per pole. This new end-to-end process is not only more accurate and consistent, but safer as well.



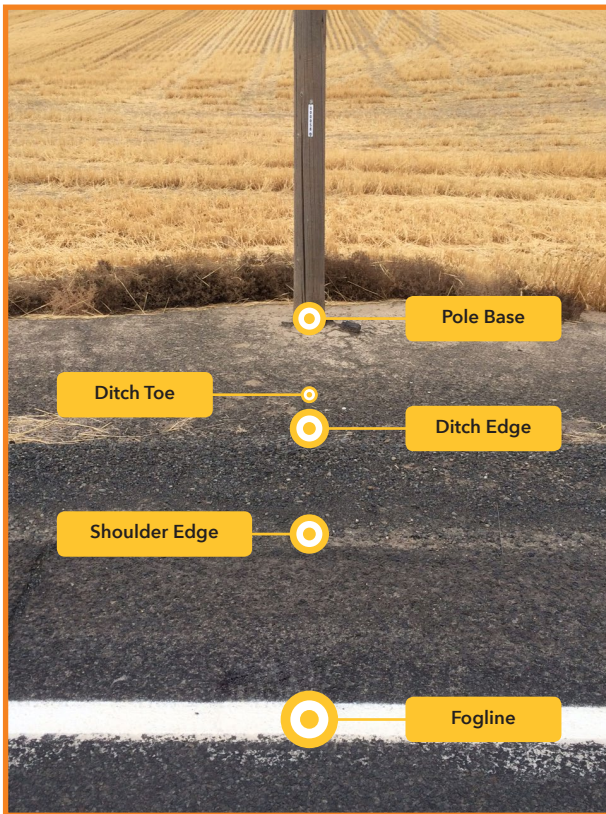
1

Set up IKE-DOT Form to capture measurements needed for WSDOT



2

Send 2 person team into field to capture the needed measurements using IKE 3



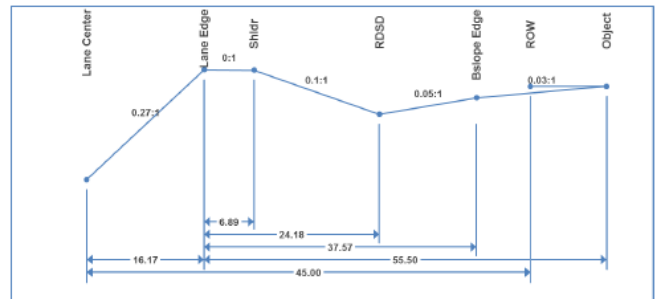
3

Export data into UORR Form

Object ID	True_Side	Object_Ty	Posted_Sr	Sided_RO	Guard_Rai	Lane_Center	Lane_Cen	Lane_Cen	PITC	
345	Right	Pole	35	45	No	12/9/2015	14:43:29	37.6		
6789	Right	Pole	35	45	No	12/9/2015	14:49:34	33.86		
4466	Right	Pole	35	45	No	12/9/2015	14:55:00	34.91	-5.6	
2323	Right	Pole	35	45	No	12/9/2015	14:59:30	45.37	-7.7	
8265	Right	Pole	35	45	No	12/9/2015	15:04:29	47.47	-8.6	
			15.49	36.4	-4.3	13.52	14.7	-5.1	19.95	312.9
			29.04	20.2	-4.7	26.67	10.7	-5	29.3	336.6
			35.07	18.9	-3.8	32.64	9.7	-3.8	36.29	337.2

4

Data creates cross sectional drawing - no complicated drafting



Data Label	H Distance (ft)	Height (ft)	Gradient
ROW	45.0	-0.66	
Object	55.5	-0.66	
Bslope Edge	37.6	-1.11	0.03:1
RDSD	24.2	-1.76	0.05:1
Shldr	6.9	-0.02	0.1:1
Lane Edge	0.0	0.00	0.1
Lane Center	-16.17	-4.34	0.27:1

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