





Importance of Subsurface Temperature Probes in RWIS Systems

Department of Electrical and Computer Engineering

Abbreviation	Meaning	9-				
RWS measurements (f	irst letter M)	0 4				
MA	Air temperature	<u> </u>				
MR	Road surface temperature	STIC	•			
MD	Road subsurface temperature (30 cm)	1st e			St	
MH	Air humidity	leci	• .			
MF	Thickness of water film	0 E				
Weather forecasts for (6 h (first letter F)	Air temperature forecast error	. • •	1	17	
FA ₃	3 h air temperature forecast		/			•
FA ₆	6 h air temperature forecast	lug	• • •	1 2 M .	,	
FH	Air humidity	-4 te		· , /		•
FW	Wind speed	A	•			
FP	Precipitation amount	φ_				
FL	Longwave radiation					
FS	Shortwave radiation	L				1
FC	Cloudiness		-5	0		5
				RST f	orecast erro	r (°C)



Road Surface Conditions (RSC)				
Slick Spots Highway				
Slick Hazardous Highway				
Light Snow				
Moderate Snow				
Heavy Snow				
Snow Packed				
Blowing Snow				
lce				

Hazardous Conditions







