Location 4/2/2007

Railroad Preemption Worksheet

MUTCD/AREMA Method

Revised 11/3/2006

				71000 1 1	, 0, 2000
Definitions Point A: RR Limit Line or Gate Point B: First RR Track Centerline Point C: 6 ft from Far Rail of Last Point D: Limit Line of Furthest I/S	Track	h Lane			
Point A to B Point B to C Point C to D Min Track Clearance Dist, MTCD Clear Storage Dist, CSD Length, L	35 35	ft ft ft ft	(min 12	ft)	
	Car	Truck	Bus	Semi	
Vehicle Length (ft)	15	30	40	55	
Queue Space (ft/veh)	21	36	46	61	
Vehicles within L (veh)	3.3	1.9	1.5	1.1	
Vehicles entirely within L (veh)	3	1.3	1.5	1	
Start moving last vehicle in L (sec)	6.8	3.9	4.5	7.0	
Move front of vehicle thru L (sec)	5.6	6.2	5.2	_	
Move entire vehicle thru MTCD (sec)	4.6	5.9	5.4	12.6	
Wove entire verifice that wild (see)	4.0	0.5	5.4	12.0	
Green Track Clearance Time	18	sec			
MTCD Queue Clearance Time		sec			
Min Walk		sec			
Max Ped Clearance		sec			
Max RWTT		sec			
Separation Time		sec			
Maximum Preemption Time		sec			
Maximum reemption rune	.0	000			
Lights Flash	3	sec			
Gate Descent		sec			
Minimum Time, MT		sec			
Clearance Time, CT		sec			
Minimum Warning Time, MWT		sec			
Buffer Time, BT		sec			
Total Warning Time, TWT		sec			
Equipment Response Time, ERT		sec			
Advance Preemption Time, APT		sec			
Total Approach Time, TAT		sec			
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