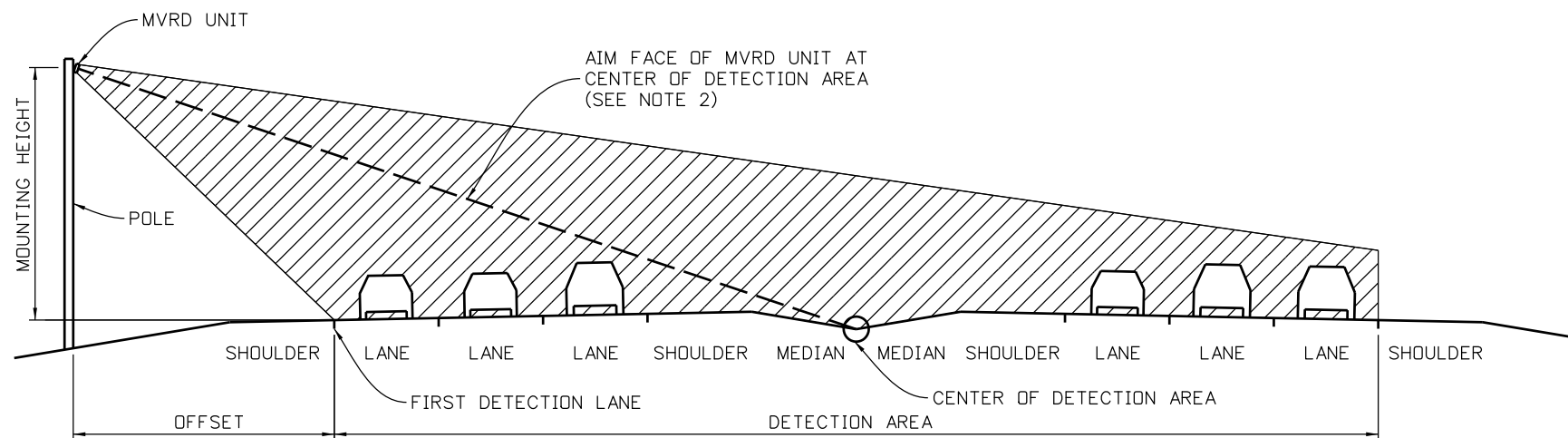


**TYPICAL MVRD INSTALLATION TOP VIEW**



**TYPICAL MVRD INSTALLATION CROSS SECTION**

**NOTES:**

1. THIS DETAIL SPECIFIC TO WAVETRONIX SMARTSENSOR MVRD INSTALLATION.
2. SHOWN FOR BI-DIRECTIONAL DETECTION. SAME PRINCIPLES APPLY WHEN ONLY ONE DIRECTION OF TRAFFIC IS DETECTED.
3. SEE MANUFACTURER INSTALLATION INSTRUCTIONS FOR EQUIPMENT CONFIGURATION.
4. WAVETRONIX SMARTSENSOR HAS A DISTANCE LIMITATION OF 250' FROM DETECTOR TO FAR SIDE OF DETECTION AREA.

**MVRD Mounting Recommendations**

Offset from first detection lane (ft)	Recommended Mounting Height (ft)	Minimum Mounting Height (ft)	Maximum Mounting Height (ft)
6	12	9	19*
7	12	9	19*
8	12	9	20*
9	12	9	21
10	12	9	22
11	12	9	23
12	13	10	24
13	13	11	25
14	14	11	26
15	15	12	26
16	15	12	27
17	16	13	28
18	17	14	29
19	17	14	30
20	18	15	30
21	19	15	31
22	20	15	31
23	22	15	32
24	24	15	33
25	26	17	33
26	26	17	34
27	27	18	35
28	27	18	35
29	27	18	36
30	29	19	37
31	29	19	37
32	29	19	38
33	30	19	39
34	30	19	39
35	30	20	40
36	30	20	41
37	31	20	41
38	31	21	42
39	33	21	43
40	33	22	43
41	34	22	44
42	34	22	44
43	35	22	45
44	35	23	46
45	36	23	46
46	36	23	47
47	36	24	48
48	38	24	48
49	38	24	49
50-230	39	25	Must be ≤ offset

\*Reduction in the number of reported speeds

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Print Date: 10/5/2012		<b>Sheet Revisions</b>	<b>Colorado Department of Transportation</b>	<b>As Constructed</b>	<b>MVRD WAVETRONIX</b>	<b>Project No./Code</b>
File Name: mvr.dgn		Date:      Comments      Init.	425 C Corporate Circle Golden, CO 80401 Phone: 303-512-5801    FAX: 303-512-5878	No Revisions:	Designer:    XXXXXXXX    Structure    X-XX-XX	BR 0061-083
Horiz. Scale: 1:1      Vert. Scale: As Noted	(R-X)		<b>HQ ITS Branch</b>	Revised:	Detailer:      XXXXXXXX    Numbers    X-XX-XX	18838
Unit Information      Unit Leader Initials	000		<b>CM</b>	Void:	Sheet Subset:    XXXXXXXX    Subset Sheets:    1 OF 1	Sheet Number