

RainLine

File: 8190-3-10
Date: May 6, 2003

Rainline Durable Pavement Marking System was placed in 1998 (approx. 36,500m) along the shoulders of highway 22X at the south end of the City of Calgary. The marking is still performing quite well after 5 years of service. Retro-reflective readings were taken on the lines in 2002 and 2003, the readings are very good as outlined below. The general appearance of the Rainline product is good. The bead retention for this product is excellent. The Rainline product has many cracks but only a small amount of the marking is dislodged. Photographs were taken on May 2, 2003 and are attached:

Retro readings taken on Aug. 29, 2002 using the Mirolux 30 instrument:

All readings were taken on the east bound lane

AT Post

| <u>White</u> | <u>Left hand side</u> | <u>Right hand side</u> | <u>White paint</u> |
|--------------|-----------------------|------------------------|--------------------|
| | 209 | 196 | 79 |
| | 176 | 197 | 80 |
| | 193 | 202 | 79 |
| | 241 | 219 | |
| | 231 | | |

Retro readings taken on May 2, 2003 using the Mirolux 30 instrument:

All readings were taken on the east bound lane

At Post

| <u>White</u> | <u>Left hand side</u> | <u>Right hand side</u> | <u>White paint</u> |
|--------------|-----------------------|------------------------|--------------------|
| | 166 | 206 | 57 |
| | 166 | 224 | 57 |
| | 162 | 215 | 58 |

At merge sign

| <u>White</u> | <u>Left hand side</u> | <u>Right hand side</u> | <u>White paint</u> |
|--------------|-----------------------|------------------------|--------------------|
| | 155 | 174 | 39 |
| | 158 | 179 | 38 |
| | 160 | 187 | 47 |

At 5m past merge sign

| <u>White</u> | <u>Left hand side</u> | <u>Right hand side</u> |
|--------------|-----------------------|------------------------|
| | 212 | 200 |
| | 212 | 200 |
| | 224 | 195 |

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RainLine Durable Pavement Markings



Rainline right edge line providing very good delineation.



Close up look at the Rainline marker notice the excellent glass bead retention.



A section of Rainline that is damaged. This section appears to have been painted with yellow paint.



There is a section of Rainline that transitions to a thin layer of thermoplastic without the grooves. I assume this was done to compare the performance of each one.



The thinner (un-grooved) layer is not performing very well (Line marking supplied by other manufacturer). The majority of this section is in poor condition with no bead retention.



Line marking is in poor condition with some sections debonding.