

Location: Highway 2A:22/24 (Town of Ponoka)
Applied: June 2008
Evaluated: June 18, 2008

Location # 1, KFC site

East White Edge Line



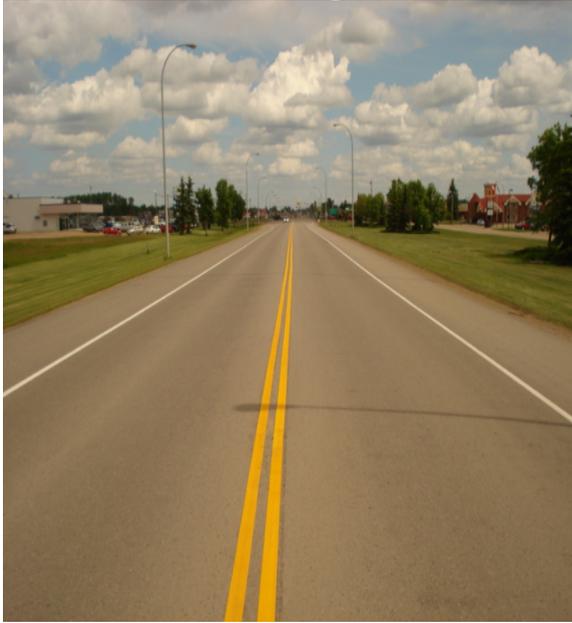
Retro readings—326, 325, 304, 315, 328, 326, 334, 323, 325, 320, 296, 325, 320, 294- **Average retro = 319Mcd**,
Initial retro-reflective readings are very good at this location, marking looks very good, lots of glass beads in the marking.

Double Yellow Centerline



Retro readings—206, 162, 179, 164, 170, 180, 155, 191, 171, 191, 194, 218, 164, 188- **Average retro = 181 Mcd**
The yellow line appeared to be have a bit of dirt on some sections which resulted in lower initial retro's., otherwise the yellow line looks very good.

Overall looking north



West White Edge Line



E. white Retro readings—298, 331, 302, 313, 353, 336, 312, 294, 307, 303, 287, 292, 288, 286 – **Average retro = 307 Mcd**
Initial retro-reflective readings are also very good on the west edge line location, marking looks very good, lots of glass beads in the marking.

Location # 2, N. of Park Crosswalk

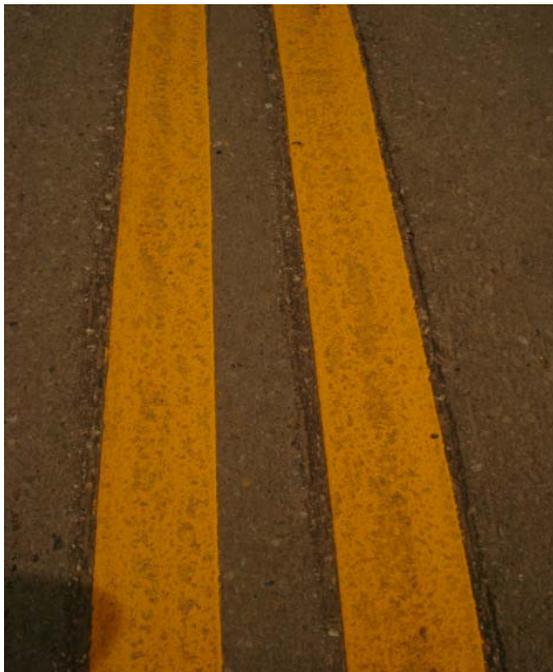


East White Edge Line



Retro readings—255, 287, 212, 179, 180, 250, 190, 182, 189, 190, 224, 208, 268, 228- **Average retro = 217Mcd**,
Initial retro-reflective readings are considerable lower than location # 1. This could be attributed to dirt being tracked over the lines. Time will tell on the longer term performance.

Double Yellow Centerline



Yellow centerline appears to be slightly dirty looking

Retro readings– 71, 70, 70, 85, 75, 70, 75, 67, 66, 74, 69, 74, 112, 84– **Average retro = 76 Mcd**

The initial retro-reflective readings on the yellow line at this location are very low; this could be attributed to the appearance of dirt on the line. The lower retro readings could also be attributed to the glass beads sinking lower in the material. Therefore, I would recommend that additional readings be taken some time in September after more wear has exposed the glass beads on the yellow lines, this would validate the readings. **If the readings continue to be low then this line would not be acceptable.**

West White Edge Line



Retro readings– 267, 265, 266, 252, 267, 245, 245, 224, 251, 236, 271, 255– **Average retro = 254 Mcd**

Retro-reflective readings on the white line are good; however they are lower than location #1.

Location # 3, Curve North of the Husky Station
East White Edge Line



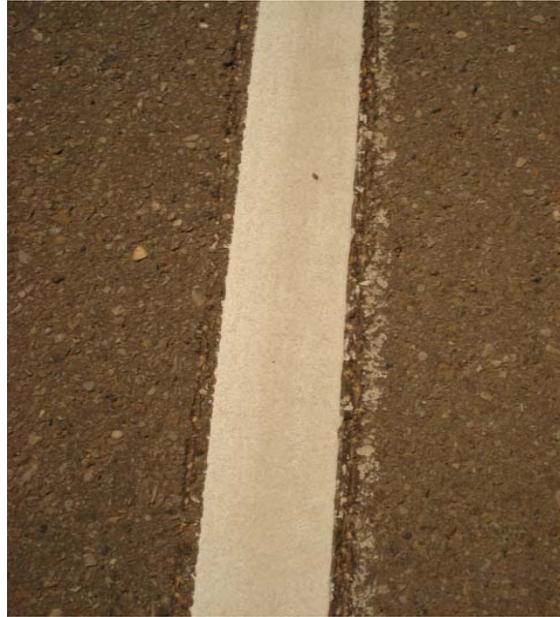
Retro readings– 294, 287, 278, 301, 292, 286, 294, 270, 305, 321, 315, 301– **Average retro = 295 Mcd**
Retro-reflective readings at this location are very good.

Double Yellow Centerline



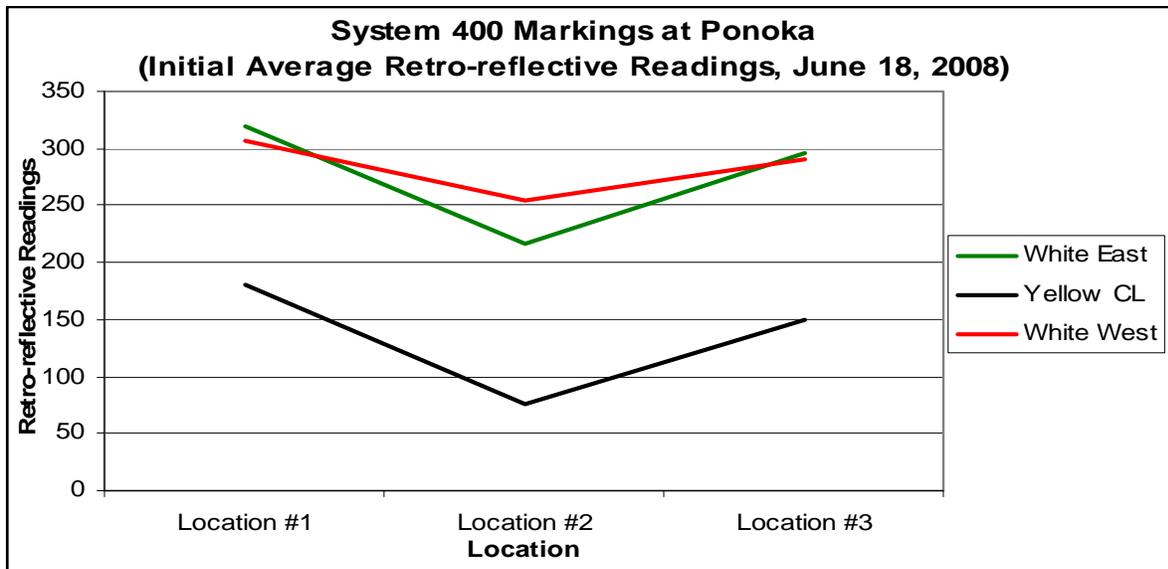
Retro readings– 132, 130, 133, 134, 138, 140, 134, 170, 158, 174, 177, 180– **Average retro = 150 Mcd**
Retro-reflective readings are good at this location; they are still lower than location #1. The yellow lines did appear to be slightly dirty.

West White Edge Line



Retro readings– 282, 271, 309, 302, 269, 276, 307, 301, 288, 306, 288, 287– **Average retro = 291 Mcd**
Retro-reflective readings at this location are very good.

Chart showing average retro-reflective readings in Millicandelas (Mcd) at 3 locations along highway 2A (Ponoka):



The average retro-reflective readings (white edge) are above 300Mcd at location #1 and slightly below 300Mcd at location #3 as shown in the above chart. Location #2 is well below the readings taken at location #1 and #3 for both white and yellow lines. The lower readings could be attributed to some of the glass beads sinking lower into the material during the application at location #2. The other reason may be that the lines are covered in a thin film of dust/dirt which would reduce the reflectivity. I believe the reason for the low readings is that the beads have sunk into the marking material which will require some wear to expose the beads.

I recommend that additional retro-reflective readings be taken some time in September, this would allow some time for wear on the lines which should expose more glass beads and provide increased reflective readings at location #2. .

Prepared: Joe Filice

cc: Russell Watts, Chris Peterson, Bill Kenny, Ron Stoski, Roger Skirrow