IMAGE ANALYSIS AND COMPUTER VISION PROJECT

BACKGROUND SUBTRACTION

Results report:

Webcam: A13 - km. 33,0 Ferrara Sud shelter itinere Nord

Threshold = 40

Ratio = 0.85

Andrea Mazzeo - 895579
Daniele Moltisanti - 898977

BACKGROUND DETECTION NUMBER 0 WITH THRESHOLD OF 10
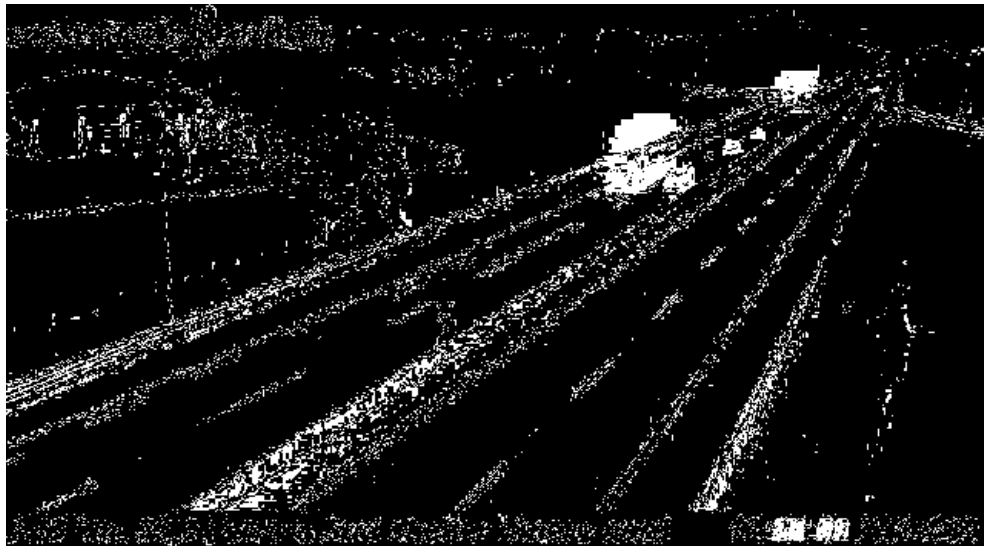
Background detected with accuracy of 90.28%

Original frame:

autostrade || per l'italia

A13 km. 33,0 Ferrara Sud shelter itinere nord   12:46:59 27/04/19

Background detected:

autostrade || per l'italia

A13 km. 33,0 Ferrara Sud shelter itinere nord   12:23:08 27/04/19

Error plotted with threshold of 12:

BACKGROUND DETECTION NUMBER 1 WITH THRESHOLD OF 10
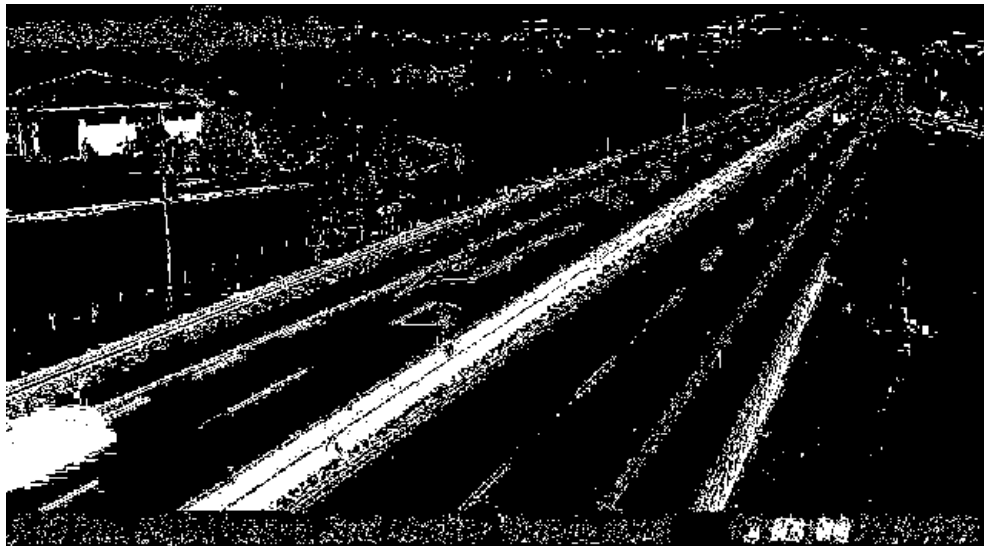
Background detected with accuracy of 86.02%

Original frame:

Background detected:

Error plotted with threshold of 12:

BACKGROUND DETECTION NUMBER 2 WITH THRESHOLD OF 10

Background detected with accuracy of 86.54%

Original frame:

A13 km. 33,0 Ferrara Sud shelter itinere nord   14:08:59 27/04/19

Background detected:

A13 km. 33,0 Ferrara Sud shelter itinere nord   13:33:08 27/04/19

Error plotted with threshold of 12:

BACKGROUND DETECTION NUMBER 3 WITH THRESHOLD OF 10

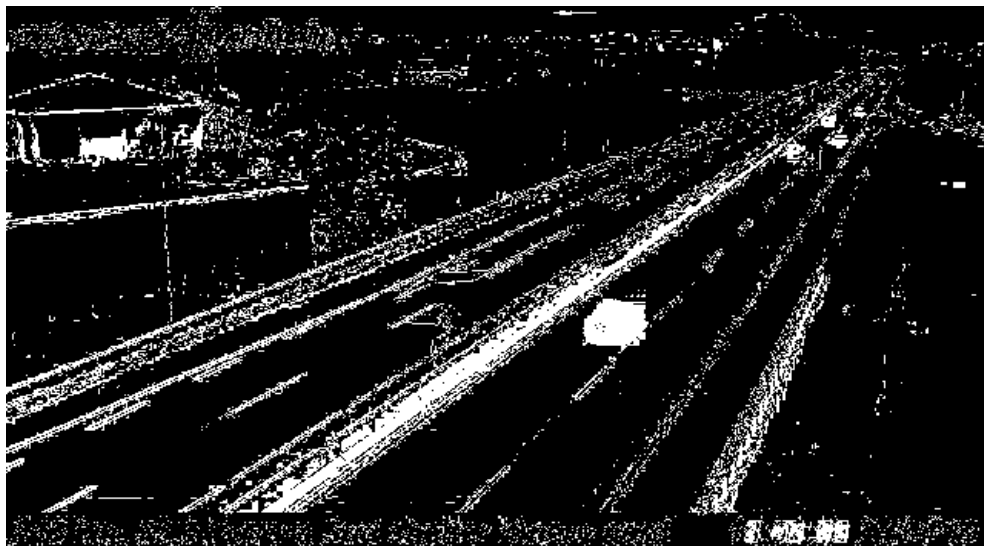Background detected with accuracy of 85.48%

Original frame:

Background detected:

Error plotted with threshold of 12:

BACKGROUND DETECTION NUMBER 4 WITH THRESHOLD OF 10

Background detected with accuracy of 83.24%

Original frame:

Background detected:

Error plotted with threshold of 12:

BACKGROUND DETECTION NUMBER 5 WITH THRESHOLD OF 10

Background detected with accuracy of 85.63%

Original frame:

Background detected:

Error plotted with threshold of 12:

BACKGROUND DETECTION NUMBER 6 WITH THRESHOLD OF 10

Background detected with accuracy of 82.89%

Original frame:

Background detected:

Error plotted with threshold of 12:

BACKGROUND DETECTION NUMBER 7 WITH THRESHOLD OF 10

Background detected with accuracy of 79.24%

Original frame:

Background detected:

Error plotted with threshold of 12:

BACKGROUND DETECTION NUMBER 8 WITH THRESHOLD OF 10

Background detected with accuracy of 83.04%

Original frame:

Background detected:

Error plotted with threshold of 12:

BACKGROUND DETECTION NUMBER 9 WITH THRESHOLD OF 10
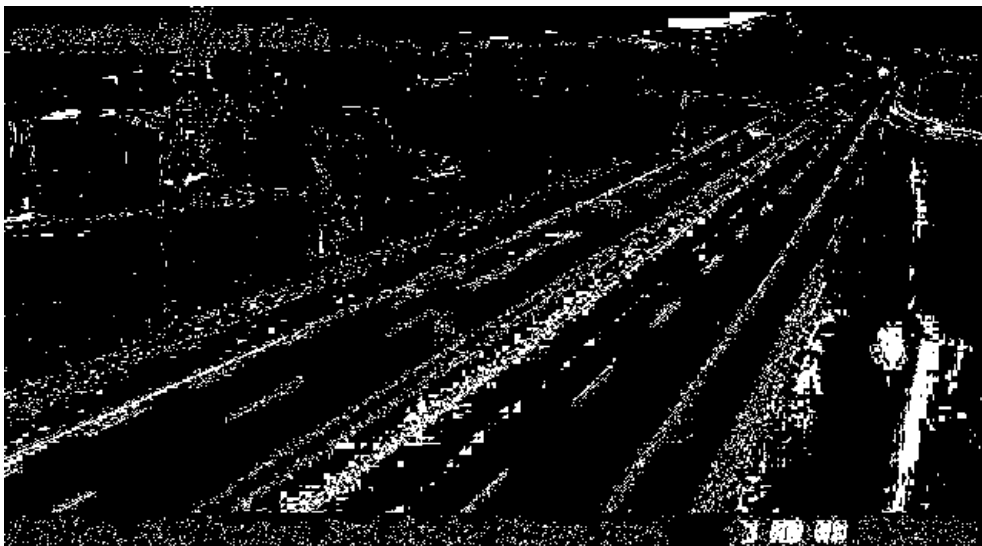
Background detected with accuracy of 89.39%

Original frame:

Background detected:

Error plotted with threshold of 12:

BACKGROUND DETECTION NUMBER 10 WITH THRESHOLD OF 10

Background detected with accuracy of 67.87%

Original frame:

Background detected:

Error plotted with threshold of 12:

BACKGROUND DETECTION NUMBER 11 WITH THRESHOLD OF 10
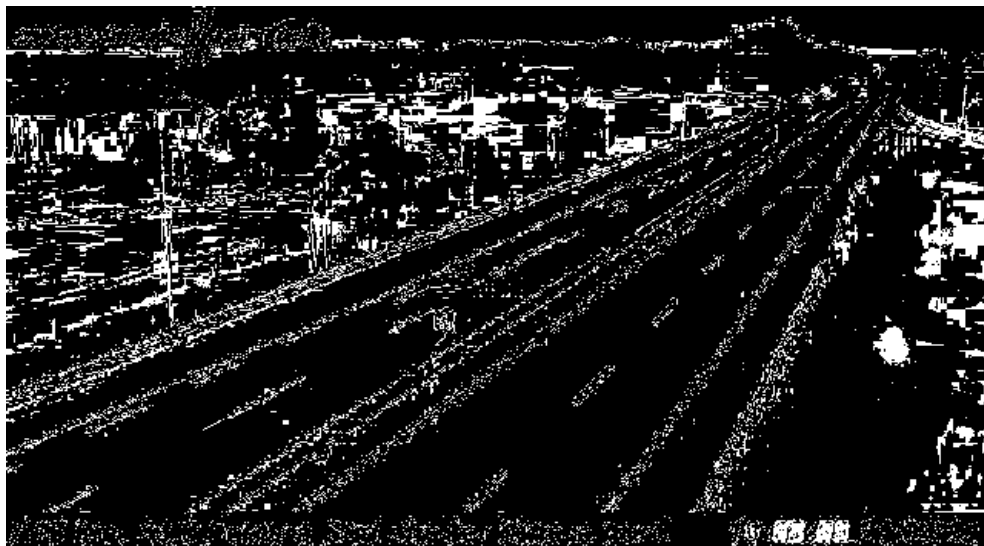
Background detected with accuracy of 80.69%

Original frame:

A13 km. 33,0 Ferrara Sud shelter itinere nord   19:38:59 27/04/19

Background detected:

A13 km. 33,0 Ferrara Sud shelter itinere nord   19:38:08 27/04/19

Error plotted with threshold of 12:

BACKGROUND DETECTION NUMBER 12 WITH THRESHOLD OF 10

Background detected with accuracy of 10.56%

Original frame:

Background detected:

Error plotted with threshold of 12:

BACKGROUND DETECTION NUMBER 13 WITH THRESHOLD OF 10
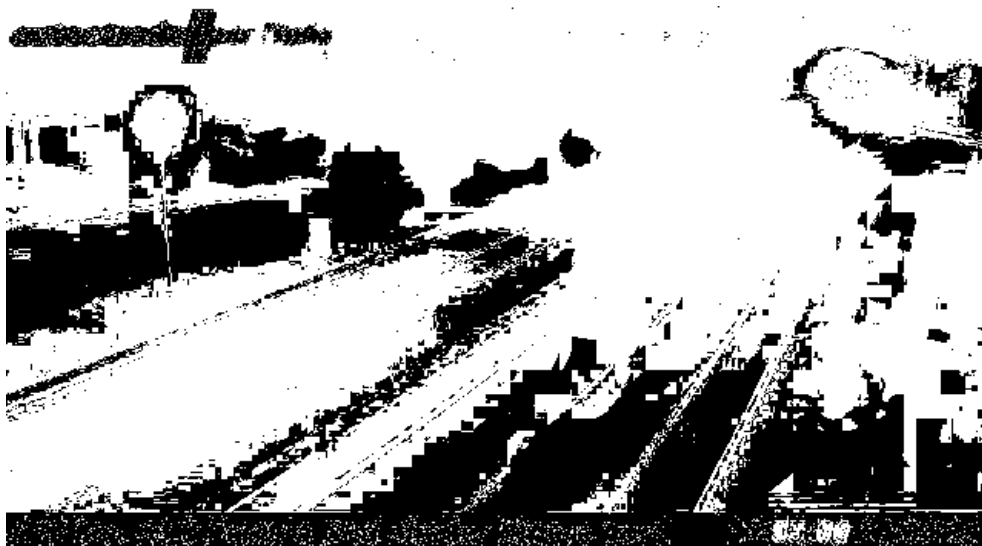
Background detected with accuracy of 25.56%

Original frame:

Background detected:

Error plotted with threshold of 12:

BACKGROUND DETECTION NUMBER 14 WITH THRESHOLD OF 10

Background detected with accuracy of 81.96%

Original frame:

A13 km. 33,0 Ferrara Sud shelter itinere nord   21:40:59 27/04/19

Background detected:

A13 km. 33,0 Ferrara Sud shelter itinere nord   21:35:08 27/04/19

Error plotted with threshold of 12:

BACKGROUND DETECTION NUMBER 15 WITH THRESHOLD OF 10

Background detected with accuracy of 74.34%

Original frame:

A13 km. 33,0 Ferrara Sud shelter itinere nord   22:14:59 27/04/19

Background detected:

A13 km. 33,0 Ferrara Sud shelter itinere nord   22:05:03 27/04/19

Error plotted with threshold of 12:

BACKGROUND DETECTION NUMBER 16 WITH THRESHOLD OF 10

Background detected with accuracy of 94.03%

Original frame:

A13 km. 33,0 Ferrara Sud shelter itinere nord   22:51:00 27/04/19

Background detected:

A13 km. 33,0 Ferrara Sud shelter itinere nord   22:45:08 27/04/19

Error plotted with threshold of 12:

BACKGROUND DETECTION NUMBER 17 WITH THRESHOLD OF 10

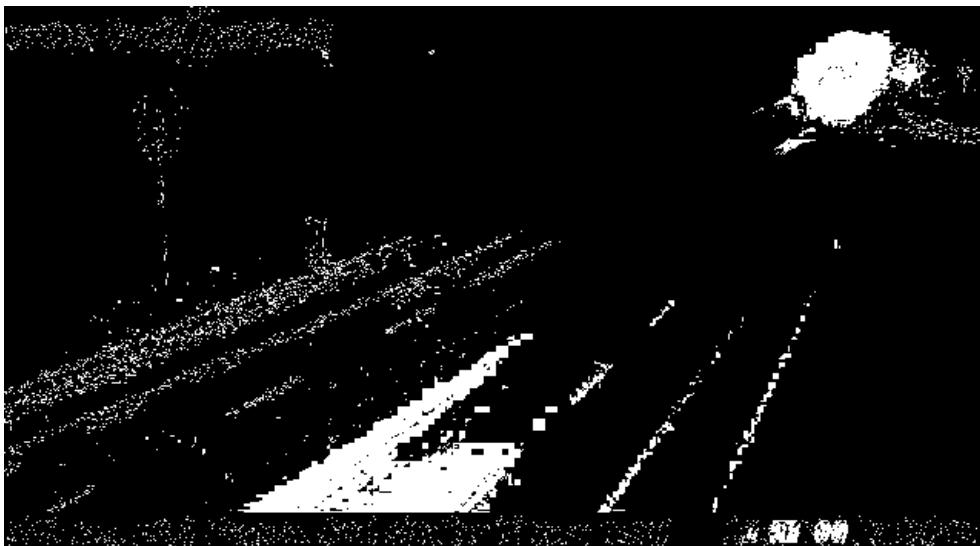Background detected with accuracy of 91.69%

Original frame:

Background detected:

Error plotted with threshold of 12:

BACKGROUND DETECTION NUMBER 18 WITH THRESHOLD OF 10

Background detected with accuracy of 95.75%

Original frame:

Background detected:

Error plotted with threshold of 12:

BACKGROUND DETECTION NUMBER 19 WITH THRESHOLD OF 10

Background detected with accuracy of 96.05%

Original frame:

Background detected:

Error plotted with threshold of 12:

BACKGROUND DETECTION NUMBER 20 WITH THRESHOLD OF 10

Background detected with accuracy of 95.69%

Original frame:

Background detected:

Error plotted with threshold of 12:

BACKGROUND DETECTION NUMBER 21 WITH THRESHOLD OF 10

Background detected with accuracy of 91.68%

Original frame:

Background detected:

Error plotted with threshold of 12:

BACKGROUND DETECTION NUMBER 22 WITH THRESHOLD OF 10

Background detected with accuracy of 95.61%

Original frame:

Background detected:

Error plotted with threshold of 12:

BACKGROUND DETECTION NUMBER 23 WITH THRESHOLD OF 10

Background detected with accuracy of 96.33%

Original frame:

Background detected:

Error plotted with threshold of 12:

BACKGROUND DETECTION NUMBER 24 WITH THRESHOLD OF 10
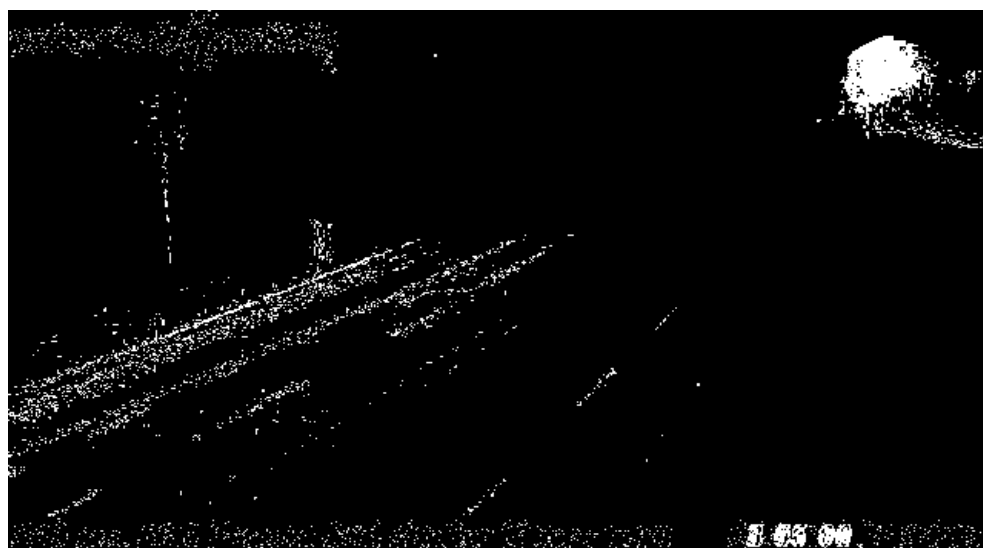
Background detected with accuracy of 96.13%

Original frame:

Background detected:

Error plotted with threshold of 12:

BACKGROUND DETECTION NUMBER 25 WITH THRESHOLD OF 10

Background detected with accuracy of 96.35%

Original frame:

Background detected:

Error plotted with threshold of 12:

BACKGROUND DETECTION NUMBER 26 WITH THRESHOLD OF 10

Background detected with accuracy of 88.88%

Original frame:

Background detected:

Error plotted with threshold of 12:

BACKGROUND DETECTION NUMBER 27 WITH THRESHOLD OF 10

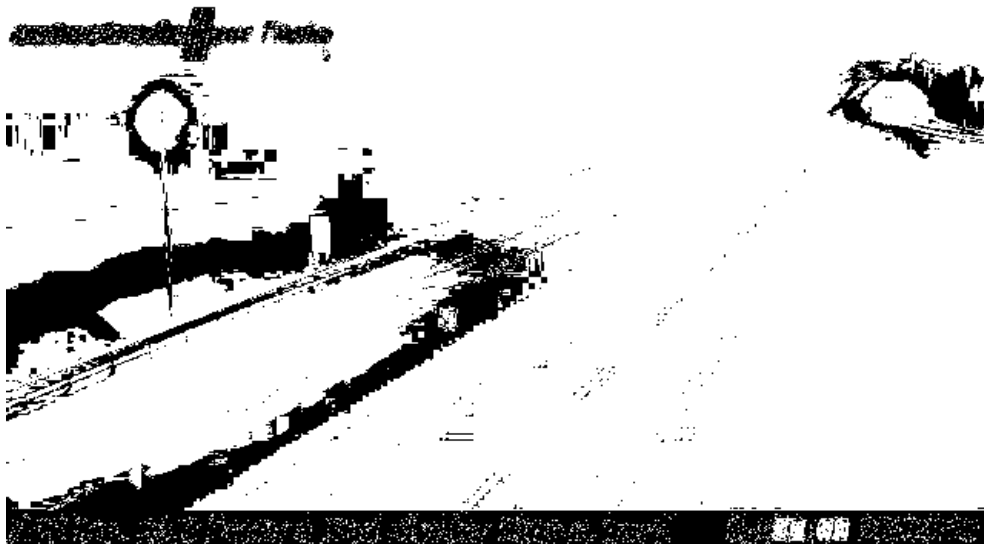Background detected with accuracy of 15.93%

Original frame:

Background detected:

Error plotted with threshold of 12:

BACKGROUND DETECTION NUMBER 28 WITH THRESHOLD OF 10

Background detected with accuracy of 41.13%

Original frame:

Background detected:

Error plotted with threshold of 12:

BACKGROUND DETECTION NUMBER 29 WITH THRESHOLD OF 10

Background detected with accuracy of 83.44%

Original frame:

Background detected:

Error plotted with threshold of 12:

BACKGROUND DETECTION NUMBER 30 WITH THRESHOLD OF 10

Background detected with accuracy of 57.48%

Original frame:

Background detected:

Error plotted with threshold of 12:

BACKGROUND DETECTION NUMBER 31 WITH THRESHOLD OF 10
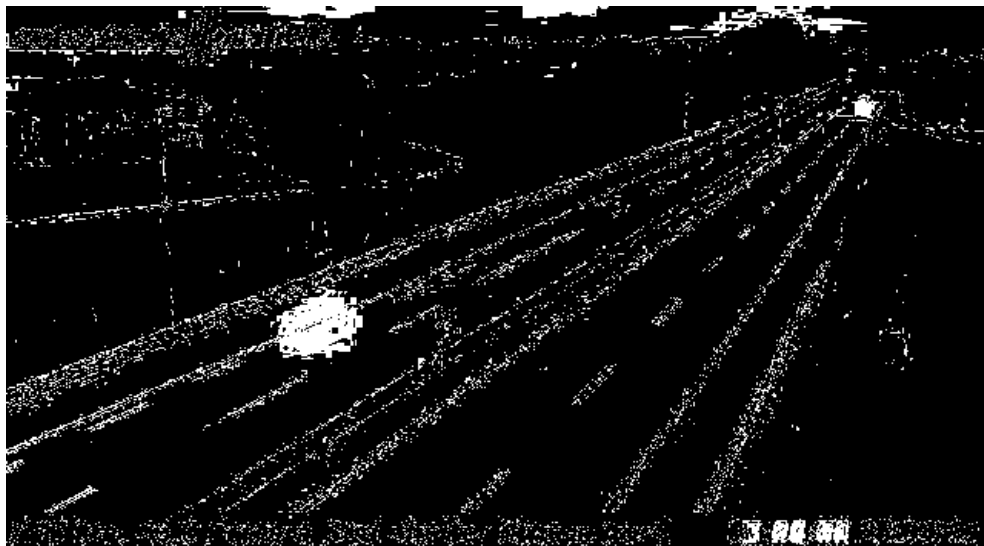
Background detected with accuracy of 92.14%

Original frame:

Background detected:

Error plotted with threshold of 12:

BACKGROUND DETECTION NUMBER 32 WITH THRESHOLD OF 10

Background detected with accuracy of 88.34%

Original frame:

Background detected:

Error plotted with threshold of 12:

BACKGROUND DETECTION NUMBER 33 WITH THRESHOLD OF 10

Background detected with accuracy of 84.84%

Original frame:

Background detected:

Error plotted with threshold of 12:

BACKGROUND DETECTION NUMBER 34 WITH THRESHOLD OF 10
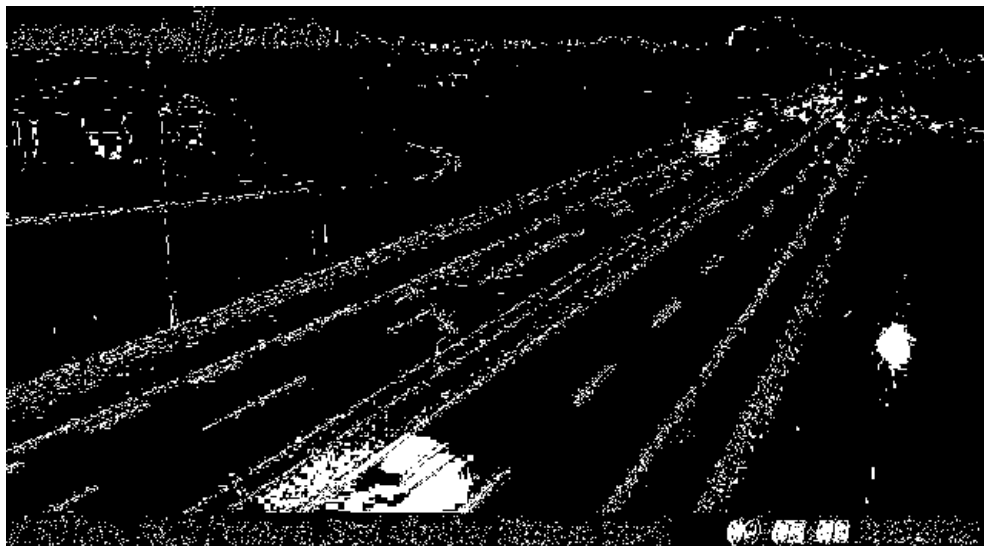
Background detected with accuracy of 91.25%

Original frame:

Background detected:

Error plotted with threshold of 12:

BACKGROUND DETECTION NUMBER 35 WITH THRESHOLD OF 10
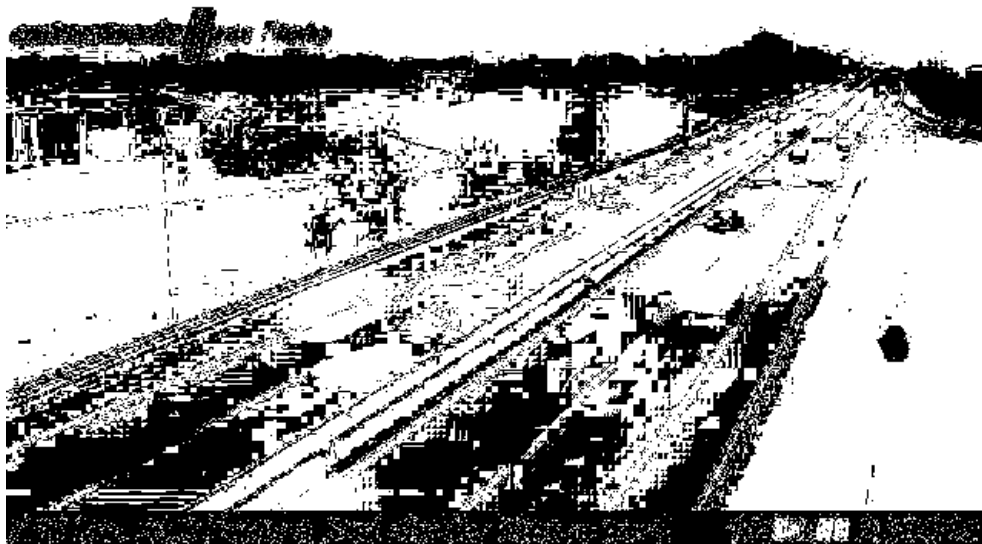
Background detected with accuracy of 34.27%

Original frame:

Background detected:

Error plotted with threshold of 12:

BACKGROUND DETECTION NUMBER 36 WITH THRESHOLD OF 10

Background detected with accuracy of 69.52%

Original frame:

Background detected:

Error plotted with threshold of 12:

BACKGROUND DETECTION NUMBER 37 WITH THRESHOLD OF 10

Background detected with accuracy of 84.01%

Original frame:

Background detected:

Error plotted with threshold of 12: