FOUR TREATMENTS SELECTED

RUBBER/POLYMER MODIFIED CRACK SEAL WITH FIBERS – I 95

20 % RUBBER MODIFIED ASPHALT 3/8”CHIP SEAL (RACS) – RI 102

POLYMER MODIFIED HOT MIX THIN OVERLAY (PPEST) – RI 114

PPEST ON RACS - STRESS ABSORBING MEMBRANE INTERLAYER (SAMI) – RI 3
CRACK SEAL - I 95
TEST SECTION INFORMATION - CRACK SEAL

TEST SECTION - I 95

- **TOWNS** - HOPKINTON/RICHMOND

- **LIMTS** - EXIT 4 TO CT STATE LINE (9.4 MILES)

- **LAST PAVED** - MILLED 2”, 1 ¼” POLYMER MODIFIED GAP GRADED FRICTION COURSE 2010

- **PAVEMENT STRUCTURE** - 9.25” HMA, 8” PORTLAND CEMENT CONCRETE

- **SPEED LIMIT** - 65 MPH

- **ADT** – 23,100, HT - 4.9%, CLASSIFICATION– URBAN INTERSTATE, 4 LANES

- **TREATMENT** – 2.5” WIDE OVERBANDING, RUBBER/POLYMER ASPHALT WITH FIBERS
2013 PAVEMENT STRUCTURAL HEALTH INDEX (PSHI) – 93.7,

**PISHI BREAKDOWN**

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<thead>
<tr>
<th></th>
<th>Northbound</th>
<th>Southbound</th>
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<tbody>
<tr>
<td>IRI:</td>
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<td>Rutting:</td>
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<td>Longitudinal cracking:</td>
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<td>Transverse cracking:</td>
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<td>Alligator cracking:</td>
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<td>Block cracking:</td>
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<td>Patching:</td>
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**PRIMARY DISTRESS** – RIGID BASE REFLECTIVE TRANSVERSE CRACKING
20% RUBBER ASPHALT CHIP SEAL – RI 102
TEST SECTION – RI 102

- **TOWN** - EXETER

- **LIMITS** - FOREST HILL RD TO SUDERLAND RD (2.8 MILES)

- **LAST PAVED** – 2” MILL AND FILL IN 1994. 20% RUBBER ASPHALT CHIP SEALED IN 2004

- **PAVEMENT STRUCTURE** – 3/8” RUBBER ASPHALT CHIP SEAL, 5” HMA, 8” FDR.

- **ADT** – 10,200, HT - 2.8%, SPEED LIMIT – 40 MPH

- **CLASSIFICATION** – RURAL COLLECTOR, 2 LANES

- **TREATMENT** – 20% RUBBER ASPHALT CHIP SEAL
  100% PRECOATED 3/8” AGGREGATE
  PRIOR TO TREATMENT THE PAVEMENT IS CRACK SEALED AND SPOT LEVELED TO RESTORE ORIGINAL PROFILE
2013 PSHI – 84.3,

PSHI BREAKDOWN

IRI: 72
Rutting: 100
Longitudinal cracking: 70
Transverse cracking: 74
Alligator cracking: 100
Block cracking: 100
Patching: 86.5

DISTRESSES - MEDIUM SEVERITY LONGITUDINAL AND TRANSVERSE CRACKING, AND LOW SEVERITY FLUSHING
POLYMER MODIFIED 1” THIN OVERLAY – RI 114
TEST SECTION – RI 114

- CITY - EAST PROVIDENCE

- LIMITS – NEWMAN AVE (RT 152) to RT 1A (.53 miles)

- LAST PAVED – 3” MILL AND FILL IN 1985

- PAVEMENT MAKEUP - 7” HMA

- ADT – 10,900, HT - 4.8%, SPEED LIMIT – 35 MPH

- CLASSIFICATION – URBAN ARTERIAL, 4 LANES

- TREATMENT – MILL 1” DEEP
  1” THICK POLYMER MODIFIED ASPHALT THIN OVERLAY
2013 PSHI – 62.9

PSHI BREAKDOWN

IRI: 62.5
Rutting: 82.5
Longitudinal cracking: 70
Transverse cracking: 25
Alligator cracking: 70
Block cracking: 25
Patching: 77.5

PRIMARY DISTRESSES - SEVERE BLOCK AND TRANSVERSE CRACKING
RI 3 SAMI
TEST SECTION – RI. 3

- **TOWN** - COVENTRY

- **LIMTS** - I 95 to RI 118 (1.2 miles)

- **LAST PAVED** – 1993, 2 “ OVERLAY

- **PAVEMENT STRUCTURE** - 6.5 “ HMA, 8” CONCRETE

- **ADT** – 16,200, HT - 2.8%, SPEED LIMIT – 45 MPH

- **CLASSIFICATION** – RURAL COLLECTOR, FIVE LANES

- **TREATMENT** - MILL 1.5”, 20% RUBBER ASPHALT 3/8” CHIP SEAL, 1” POLYMER MODIFIED THIN OVERLAY
2013 PSHI – 63.5

PSHI BREAKDOWN

IRI: 71
Rutting: 100
Longitudinal cracking: 50
Transverse cracking: 25
Alligator cracking: 70
Block cracking: 25
Patching: 74

DISTRESSES - SEVERE BLOCK AND TRANSVERSE CRACKING, MEDIUM SEVERITY ALLIGATOR CRACKING
- AUTOMATED DISTRESS DATA COLLECTION
  IRI, CRACKING DATA, RUTTING,

- FWD

- 4 - 100’ MONITORING SECTIONS

  MANUAL DATA COLLECTION
**RIDOT - PAVEMENT PRESERVATION ROADWAY MONITORING INSPECTION SHEET**

**ROADWAY NAME:** RI-114  
**PROJECT NUMBER:** S54014(13)TO 

**FROM:** RT 152  
**TO:** RI-1A 

**SAMPLE UNIT NUMBER:** 1 

**LOCATION OF SAMPLE UNIT (POLE NUMBER, BRIDGE NUMBER, ETC.):** 
Pole 56 - Southern Limit 

**SAMPLE UNIT LENGTH:** 100 FT.  
**WIDTH (FT.) SHOULDER 1:** 1  
**SHOULDER 2:** 1 

**SURFACE SEAL TYPE:** Thin Overlay 

**CONSTRUCTION DATE:** May  
**MONTH:**  
**YEAR:** 2014 

**NUMBER OF LANES:** 4  
**PHOTOGRAPHS: Y/N** 

**WEATHER:** CLEAR  
**CLOUDY**  
**RAINY** 

<table>
<thead>
<tr>
<th>LANE</th>
<th>LANE NO.</th>
<th>LANE WIDTH (FT.)</th>
<th>JOINT OPENING (FT.)</th>
<th>TOTAL LONG. INCL. BLOCKS</th>
<th>TOTAL TRANS. INCL. BLOCKS</th>
<th>EDGE CR. (FT.)</th>
<th>ALLIG. CR. (SF)</th>
<th>BLOCK CR. (SF)</th>
<th>REPL. CR. (CONC. OIL) (FT.)</th>
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<tr>
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**MANHOLE DISTRESS (SF):** 
**POTHOLE PATCHES:** 
**RUT DEPTH (IN):** 
**SHOVELING:** 
**RAVING/STONE LOSS (SF):** 
**BLEEDING (SF):** 
**POLISHED AGG. (SF):** 

| N    | 1        | 11               |                     |                          |                          |                |                |                |                          |
| N    | 2        | 11               |                     |                          |                          |                |                |                |                          |
| E    | 1        | 11               |                     |                          |                          |                |                |                |                          |
| S    | 1        | 11               |                     |                          |                          |                |                |                |                          |
| S    | 2        | 11               |                     |                          |                          |                |                |                |                          |

**STRIPING:**  
**TYPE:**  
**CONDITION:** 

**COMMENTS:** At Saint Margaret School  
No cracks 

**LEGEND:** 
LANE NUMBER: 2 LANE ROADS: 1  
4 LANE ROADS: 1 = HIGH SPEED LANE  
2 = LOW SPEED LANE 

**PROJECT NUMBER:** NUMBER ASSIGNED IN CONTRACT (E.G., RCS1240) 

**SURVEYOR NAME:** Woodrow Aitkin  
**SURVEY DATE:** 7-Oct-14 

**GROUP "E"**
- **6 MILLION DOLLAR/ YEAR PROGRAM**

- **TREATMENTS**

  - $2 MIL – ULTRA THIN POLYMER MODIFIED HMA – 20 LANE MILES
  - $2 MIL – 20% ASPHALT CHIP SEAL – 50+ LANE MILES
  - $2 MIL – CRACK SEAL – 120+ LANE MILES

**FUTURE CONSIDERATIONS** – MICROSURFACING, HIP AND CIP RECYCLING, FOG SEALS