

## Warm Mix Asphalt Site Report

Job No: PEI DOT Malpeque Road Rte 20  
Date (D/M/Y): July 23, 2010  
Other Job Reference: N/A  
Contractor/Agency: Curran & Briggs / PEI DOT  
Location: Malpeque Road (Rte 20) – 6 km N of Kensington

Job Description:  3G     DAT     ET  
Tack coat - Scratch and Overlay

Arrival Time: 6:15 am  
Departure Time: 3:00 pm  
Weather Conditions: Sunny – Clear – 18°C (Morning) - 25°C (mid Afternoon)  
Length of Job: 1.5 km  
Total Tonnage: ≈ 1100 tonne  
Stations: NA

### **WMA General Info:**

- Mix Type: PEI Mix B
- A/C Type: PG 58-28
- A/C Source: McAsphalt – Eastern Passage
- Temp. of A/C in Storage Tanks: ≈ 150°C
- Anti-stripping Type and Amt: None
- McAsphalt Ticket No(s): \_\_\_\_\_
- WMA Discharge Temperature: 130±2°C
- WMA Laydown Temperature: 115 - 125°C (Hopper) 110 - 122°C (behind Spreader)
- Compaction Equipment Used: AP 1055B Spreader; CB 534 DXW Cat Vibratory Steel  
CP 271 Dynapac pneumatic

**Table 1: WMA Checklist  
(Bond and Compaction Related Checklist)**

Description of Task	Yes	No	Comments
Tack Coat Type?	√		SSID
Tack Coat homogeneous?	√		See photos
Were all surfaces clean prior to tacking ?	√		
Spray nozzles all at the same angle?	√		
Was the surface free of signs of moisture?	√		
Were the rollers keeping up?	√		
Did the spreader stop frequently ?	√		After each round of trucks
Was a shuttle buggy used ?		√	
Were the WMA trucks tarped?	√	√	Some

The above checklist focuses only on tack coat issues (i.e. bond issues) and factors which influence compaction and the overall performance of the PG Warm A/C's and polymer modified Warm A/Cs. Other issues such as segregation, profilograph smoothness, mix results, etc, are not directly A/C related and as such are not covered.

**Additional Comments or Concerns:**

Plant – 160 tph, ran mix out of silos  
 AC Content – 6.1%  
 No issues with production, no mechanical issues  
 Truck boxes cleaner (comments from truckers)  
 Preliminary test results showed all physical properties being met  
 Crew liked mix, no fumes  
 Easy to work with

PEI DOT - happy with mix and overall appearance

Second job to be done – Rte 2 in Richmond – 3200 Base – 2600 t Seal - Early August

**McAsphalt Representative:** J. Keith Davidson / Guy Kendziora

## PHOTOS



**Fig 1: Plant Production**



**Fig 2: Tack Application**



**Fig 3: Laydown**



**Fig 4: Compaction**



**Fig 5: Warm Mix Temperatures**



**Fig 6: Final Compaction**