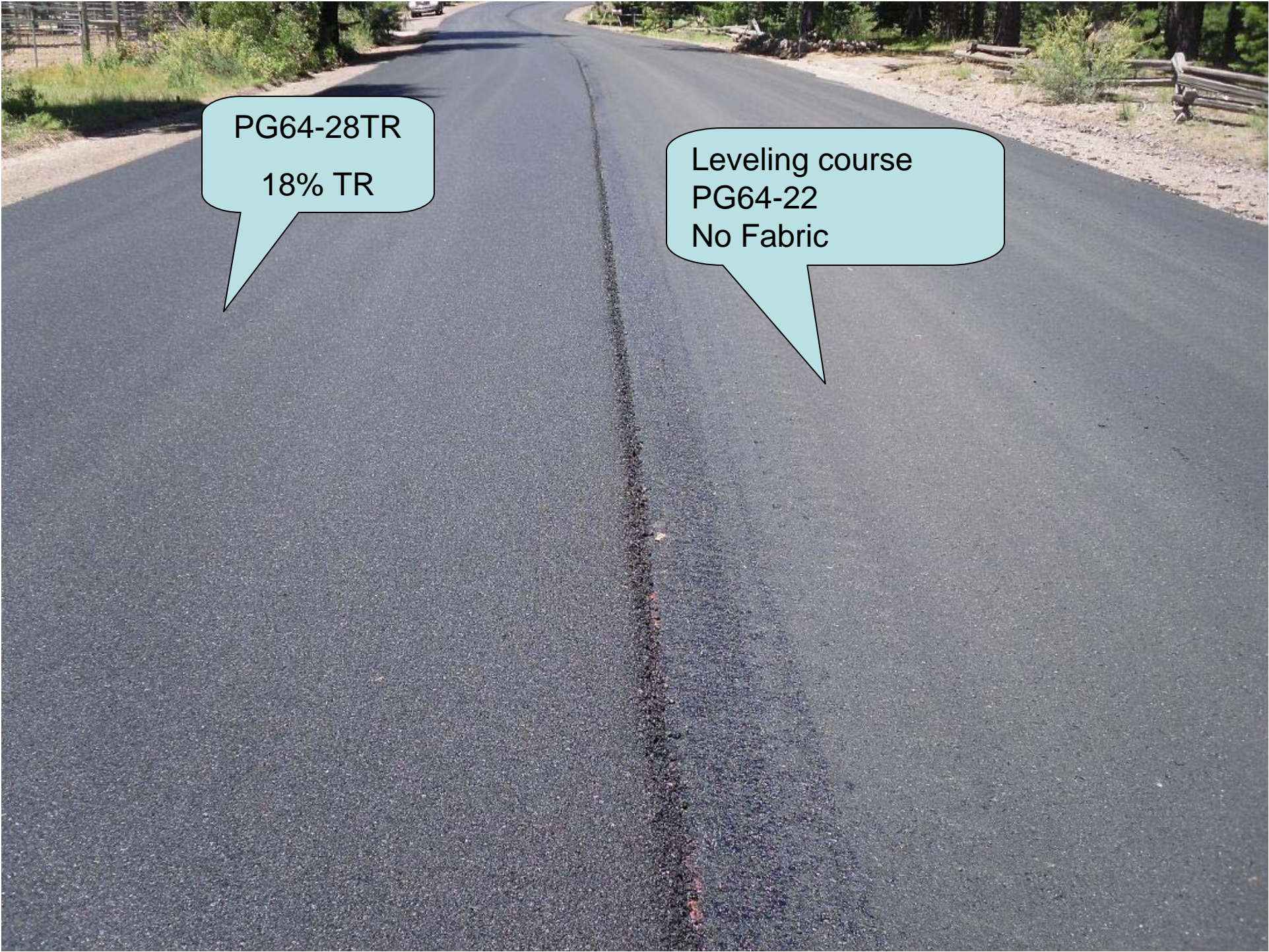


Siskiyou County Overlay
1/2" gradation with 15% RAP
PG64-28TR with 18% tire rubber
9 miles project
6/16/2010

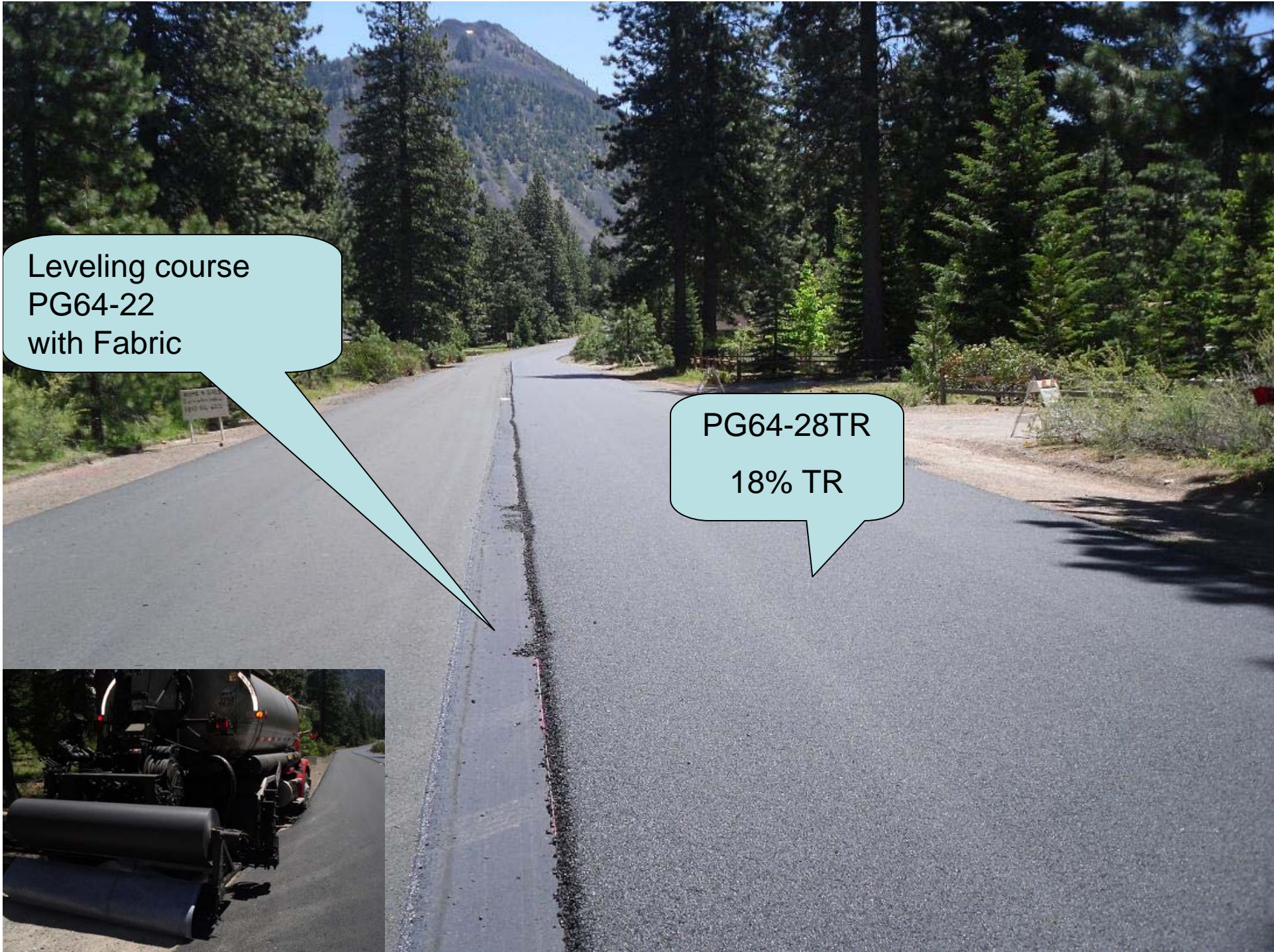
- Clean and conventional Plant mix operation at 325F
- Standard mix design with 15% RAP





PG64-28TR
18% TR

Leveling course
PG64-22
No Fabric



Leveling course
PG64-22
with Fabric

PG64-28TR
18% TR





PG64-28TR

-No smoke

-Standard operation at 285F

Mount Shasta



PG64-28TR cert with 18% tire rubber content (18.3% actual)



a subsidiary of
ALON U S A

14700 Downey Avenue
P.O. Box 1418
Paramount, CA 90723
(562) 531-2060

PRODUCT: PG 64-28TR ASPHALT CEMENT
CODE No: 13701
DATE: June 16, 2010
TANK No.: 5005

Purchaser: _____
Destination: _____
Transporter: _____
Truck No.: _____
Bill of Lading No.: _____
Contract No.: _____
Purchase Order No.: _____

Meets Specifications: Caltrans.

CERTIFICATE OF COMPLIANCE

TESTS	ASTM No.	AASHTO No.	SPECIFICATION	RESULT
Tests on Original Asphalt:				
Dynamic Shear, 64°C, $G^*/\sin\delta$, kPa	D 7175	T 315	1.00 min	1.76
Dynamic Shear, 64°C, Phase Angle, δ	D 7175	T 315		56.5
Viscosity, 135°C, 21 Spindle, 20 RPM, Pa·s	D 4402	T 316	3.0 max	1.07
Flash Point, C.O.C., °C	D 92	T 48	230 min	296
Density, 15°C, Kg/m ³	D 70	T 228	--	1.0225
Solubility in Trichloroethylene, wt. %	D 2042	T 44	97.5 min	98.5
Solubility in Toluene, wt. %	D 2042	T 44		99.7
Solubility in Toluene by Centrifuge, wt. %	D 5546			98.2
Tire Rubber Content, wt. %			15 min	18.3
Tests on R.T.F.O. Residue:				
Dynamic Shear, 64°C, $G^*/\sin\delta$, kPa	D 2872	T 240		
Dynamic Shear, 64°C, Phase Angle, δ	D 7175	T 315	2.20 min	3.32
Mass Loss, %	D 7175	T 315	80 max	73.9
	D 2872	T 240	1.00 max	0.801
Elastic Recovery, 25°C, %	D 6084B	T 301	75 min	75
Tests on P.A.V. Residue @ 100°C:				
Dynamic Shear, 22°C, $G^*/\sin\delta$, kPa	D 6521	R 28		
	D 7175	T 315	5000 max	2880
Creep Stiffness, -18°C, S, MPa	D 6648	T 313	300 max	132
m-Value, -18°C	D 6648	T 313	0.300 min	0.324

Paramount Petroleum Corporation hereby certifies that the asphalt product accompanying this certificate was produced in accordance with an accepted certification program for suppliers of asphalt, and the above test data is representative of the shipment.

Data Compiled By:

Lab Chemist

Released By:

Refinery Shift Supervisor

