



2010

Product Data Sheet
Plant: Lewisburg

I. GEOLOGICAL FORMATION: PICKAWAY AND UNION LIMESTONE

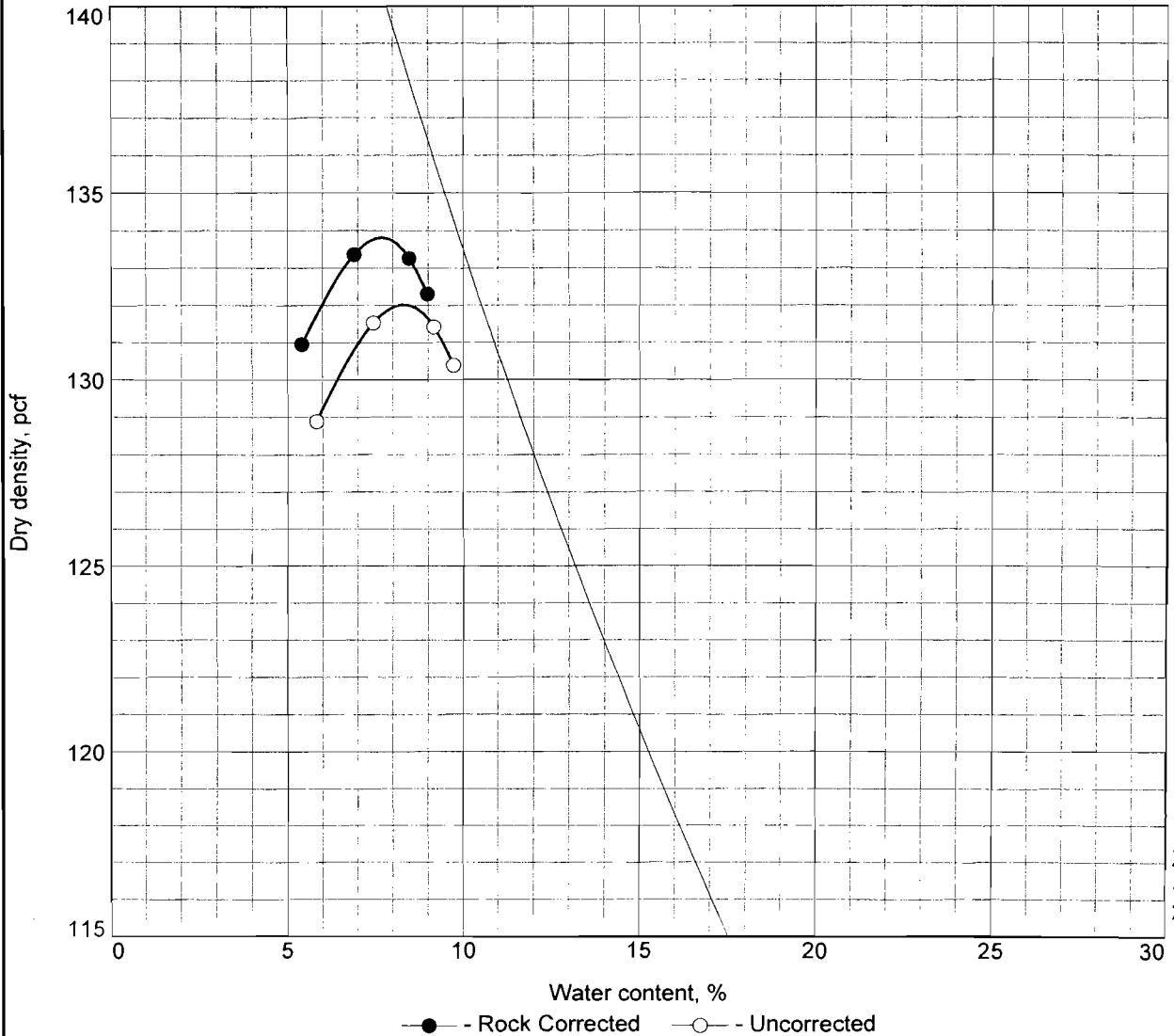
II. CHEMICAL ANALYSIS (03/2010) :

Silica	as SiO2	10.6%	Calcium	as CaCO3	88.9%
Iron	as Fe2O3	1.1%	Magnesium	as MgCO3	6.7%
Aluminum	as Al2O3	2.5%	Calcium Carbonate Equiv.	CCE	96.8%
Sulfur	as S	0.1%			

III. QUALITY DATA:

TEST	TEST DATE	Product										
		3	4	467	57	67	W 67	W 8	8	9	Washed Sand	Fine Sand
* SPECIFIC GRAVITY *												
BULK (ASPHALT)	1/10	2.645	2.686	2.695	2.708	2.644	2.698	2.697	2.655	2.665	2.672	2.617
BULK - SSD (CONCRETE)	1/10	2.678	2.708	2.706	2.719	2.683	2.710	2.709	2.678	2.696	2.697	2.675
APPARENT	1/10	2.735	2.746	2.724	2.738	2.753	2.731	2.728	2.717	2.750	2.741	2.779
% ABSORPTION	1/10	1.2%	0.8%	0.4%	0.4%	1.5%	0.5%	20.4%	0.9%	1.2%	1.0%	2.2%
* UNIT WEIGHT *												
DRY RODDED (LBS/CUBIC FT)	1/10	90.5	93.1	99.1	102.0	95.3	98.4	93.0	95.0	100.1	105.1	106.4
DRY RODDED (LBS/CUBIC YARD)	1/10	2444	2514	2676	2754	2573	2657	2511	2565	2703	2838	2873
DRY RODDED (% VOIDS)	1/10	45.2%	44.5%	41.1%	39.6%	42.2%	41.6%	44.7%	42.7%	39.8%	37.0%	34.8%
DRY RODDED (Kg/Cubic Meter)	1/10	1450	1491	1587	1634	1527	1576	1490	1522	1603	1684	1704
VTM-5 % VOIDS IN STONE SAND												
ASTM C1252 % VOIDS (METH B)	1/10										49.8%	52.0%
ASTM C1252 % VOIDS (METH C)	1/10										41.5%	41.3%
ASTM D4791 % F & E (3:1)	1/10	31.1%	19.7%	19.5%	11.4%	24.5%	10.0%	2.0%	23.9%			
* LOS ANGELES DEGRADATION *												
GRADING A % LOSS	1/10	19.0%										
GRADING B % LOSS	1/10	24.3%										
GRADING C % LOSS	1/10	14.6%										
SOUNDNESS % LOSS (Magnesium Sulfate)		0.3%	0.3%	0.5%	0.9%	0.8%	0.8%	0.3%	0.3%	10.5%	10.6%	10.8%
SOUNDNESS % LOSS (Sodium Sulfate)	1/10	0.4%	0.4%	0.5%	0.6%	0.8%	0.9%	1.1%	1.1%	2.3%	1.3%	1.6%
Surface Treatment Rate of Application												
Stone (lb/sq yd)												
Emulsion (gal/sq yd)												
* SUPERPAVE *												
ASTM C1252 % VOIDS (METH A)	1/10										45.8%	48.1%
AASHTO T 176 SAND EQUIVALENT	1/10										91	71
ASTM D4791 % F & E (5:1)	1/10	8.8%	0.7%	0.3%	1.0%	3.5%	2.1%	0.3%	4.1%			

COMPACTION TEST



ZAV for Sp.G. = 2.72

Test specification: AASHTO T 99 Method D Standard
 ASTM D 4718-87/AASHTO T 224-86 Oversize Corr. Applied to Each Test Point

Elev/ Depth	Classification		Nat. Moist.	Sp.G.	LL	PI	% > 3/4 in.	% < No.200
	USCS	AASHTO						
--	--	--	--	--	--	--	8.6	--

Assumed sample sp. gr. for ZAV: 2.72

ROCK CORRECTED TEST RESULTS	UNCORRECTED	MATERIAL DESCRIPTION
Maximum dry density = 133.8 pcf	132.0 pcf	307-02 aggregate
Optimum moisture = 7.7 %	8.3 %	

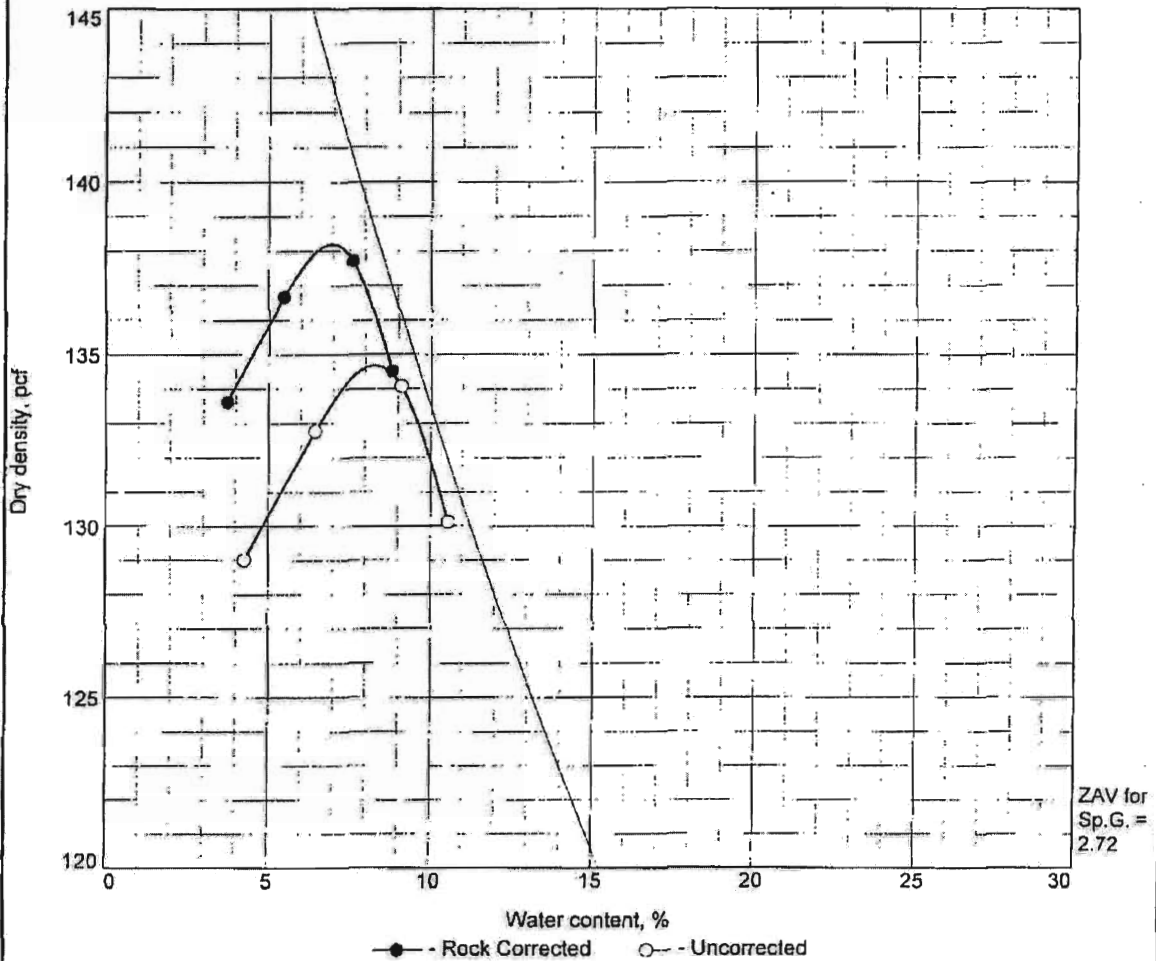
Project No. K62-063T **Client:** Boxley Materials Company
Project: Laboratory testing
Sample Source: Lewisburg **Depth:** -- **Sample No.:** 107240

Remarks:
 May 22, 2009
 Assumed sp. gr. of +3/4": 2.72

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Figure

COMPACTION TEST



Test specification: AASHTO T 99 Method D Standard
 ASTM D 4718-87/AASHTO T 224-86 Oversize Corr. Applied to Each Test Point

Elev/ Depth	Classification		Nat. Moist.	Sp.G.	LL	PI	% > 3/4 in.	% < No.200
	USCS	AASHTO						
--	--	--	--	--	--	--	19.4	--

ROCK CORRECTED TEST RESULTS	UNCORRECTED	MATERIAL DESCRIPTION
Maximum dry density = 138.2 pcf	134.7 pcf	307-01 aggregate
Optimum moisture = 7.0 %	8.3 %	

Project No. K62-063T Client: Boxley Materials Company Project: Laboratory testing Sample Source: Lewisburg Depth: -- Sample No.: 107341	Remarks: June 1, 2006
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Figure

Assumed sample sp. gr. for ZAV: 2.72