

**ASPHALT PAVEMENT INSPECTION SHEET**

For use of this form, see TM 54-623; the proponent agency is USACE.

BRANCH A1 - Flush Road

SECTION 2

DATE 10-5-2014

SAMPLE UNIT 278

SURVEYED BY F.M.

AREA OF SAMPLE 2300 ft<sup>2</sup>

Distress Types	SKETCH:		
<table style="width:100%; border: none;"> <tr> <td style="width: 50%; vertical-align: top;"> <ol style="list-style-type: none"> <li>1. Alligator Cracking</li> <li>2. Bleeding</li> <li>3. Block Cracking</li> <li>*4. Bumps and Sags</li> <li>5. Corrugation</li> <li>6. Depression</li> <li>*7. Edge Cracking</li> <li>*8. JT Reflection Cracking</li> <li>*9. Lane/Shoulder Drop Off</li> </ol> </td> <td style="width: 50%; vertical-align: top;"> <ol style="list-style-type: none"> <li>*10. Long &amp; Trans Cracking</li> <li>11. Patching &amp; Util Cut Patching</li> <li>12. Polished Aggregate</li> <li>*13. Potholes</li> <li>14. Railroad Crossing</li> <li>15. Rutting</li> <li>16. Shoving</li> <li>17. Slippage Cracking</li> <li>18. Swell</li> <li>19. Weathering and Raveling</li> </ol> </td> </tr> </table>	<ol style="list-style-type: none"> <li>1. Alligator Cracking</li> <li>2. Bleeding</li> <li>3. Block Cracking</li> <li>*4. Bumps and Sags</li> <li>5. Corrugation</li> <li>6. Depression</li> <li>*7. Edge Cracking</li> <li>*8. JT Reflection Cracking</li> <li>*9. Lane/Shoulder Drop Off</li> </ol>	<ol style="list-style-type: none"> <li>*10. Long &amp; Trans Cracking</li> <li>11. Patching &amp; Util Cut Patching</li> <li>12. Polished Aggregate</li> <li>*13. Potholes</li> <li>14. Railroad Crossing</li> <li>15. Rutting</li> <li>16. Shoving</li> <li>17. Slippage Cracking</li> <li>18. Swell</li> <li>19. Weathering and Raveling</li> </ol>	
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EXISTING DISTRESS TYPE, QUANTITY & SEVERITY						
TYPE	7	13				
QUANTITY & SEVERITY	8.2 H	1.96 M				
	8.95 H					
	2.77 H					
TOTAL SEVERITY	L					
	M		1.96			
	H	20.82				

PCI CALCULATION			
DISTRESS TYPE	DENSITY	SEVERITY	DEDUCT VALUE
7	0.905	H	14
13	0.08	M	30
q = 2 TOTAL DEDUCT VALUE			44
CORRECTED DEDUCT VALUE (CDV)			33

PCI = 100 - CDV = 67

=====  
 RATING = Good  
 =====

\* All Distresses Are Measured In Square Feet Except Distresses 4,7,8,9 and 10 Which Are Measured In Linear Ft; Distress 13 Is Measured In Number of Potholes.

# Asphalt Testing Manual

**George G. Sward**



## **Asphalt Testing Manual:**

Asphalt Binder Testing ,2012 Now updated this volume serves as a single resource to supplement Superpave PG asphalt binder system test methods This new edition contains a chapter on the direct tension test DTT an introduction to the new multi stress creep recovery test MSCR a troubleshooting section and updated graphics *Asphalt Materials and Mix Design Manual* Irving Kett,2012-12-02 The purpose of this manual is to familiarize industry and students with the technology of asphalt in its several forms namely asphalt cement cutback asphalt and asphalt emulsions The laboratory work is designed to develop an understanding of asphalt properties characteristics testing procedures and specifications The procedures outlined are all derived from ASTM designations and practice as recommended by the Asphalt Institute Where the particular ASTM method permits alternate procedures the one more applicable to the available equipment and the teaching situation was chosen The manual consists of the following 35 of the frequently used ASTM tests in Asphalt Binder and Mix Design Sample computations and easy to use data sheets most of which have been developed specifically for the manual An up to date overview of Asphalt Technology including sources historical development and classifications of asphalt products Easy to understand explanations for Voids Mineral Aggregate Absorbed Asphalt Effective Asphalt Content Percent Air Voids and Percent of Voids filled with Asphalt A stand alone asphalt manual written specifically for university laboratory instruction yet applicable for a commercial testing laboratory Rarely will other reference materials need to be referred to Dimensions in both the SI and the US Standard systems of measurement An appendix with conversion factors rules of safety and procedures overview of SHRP SUPERPAVE explanation of asphalt emulsions and additional data sheets on single sided pages

**Manual of Testing Procedures** Victoria. Country Roads Board,1978 Paint Testing Manual George G. Sward,1972

**Paint Testing Manual** Sward,1972 **Testing of asphalt** ,1996 **Manual of Test Procedures for Materials**

Illinois. Division of Highways. Bureau of Materials and Physical Research,1997 **Field Testing Manual** Iowa. Highway Division. Office of Materials,1989 **The Testing Manual of Paints, Varnishes and Resins** H. Panda,2011-10-01 Paint can be applied to almost any kind of object It is used in the production of art in industrial coating as a driving aid road surface marking or as a barrier to prevent corrosion or water damage Quality control for paint product can be achieved through conducting a number of physical and chemical tests to paint samples In the paint and coating industries paint testing is often used to determine if the paint or coating will adhere properly to the substrates to which they are applied Testing of paint varnishes and resins can be done in a number of different ways The fact of the matter is that many industries use several different paint testing methods in order to ensure accurate results Products of the surface coating are essential for the preservation of all types of architectural structures including factories from ordinary attacks of weather micro and macro organisms atmospheric pollutant etc Architectural coatings are usually applied to wood gypsum wall board or plaster surfaces Bituminous coatings are used on surfaces to reduce or eliminate the destructive effects of weather chemicals and

water vapour They are also used as sound deadeners to provide resistance to heat transfer and to provide abrasive coatings to minimize slip hazards Traffic paint is an important factor in the control of traffic not only of motor vehicles but also of aircraft at airports and of pedestrian traffic Proper paint formulations depend upon raw materials selection and accurate calculation of the amounts of its constituents Therefore it becomes necessary to adopt various test methods for testing the quality of product The final product shall have no adverse effect on the health of personnel when used for its intended purpose and applied in approved facilities with the use of approved safety equipment This testing manual elaborates the methods used to determine the physical and chemical properties of paint varnish resins and related materials Some of the fundamentals of the book are biological deterioration of paints and paint films weathering tests natural weathering artificial weathering machines new jersey zinc company machine gardener parks wheel atlas weather Ometer sunshine carbon arc weather Ometer British railways machine British paint research station machine waxes and polishes putty glazing compounds caulking compound and sealants tile like coatings applicable specifications adhesion tests Evans adhesion test resistance to alkaline peeling Evans method paint for electrocoating synthetic resins driers and metallic soaps natural resins The purpose of this book is to help its readers to establish standardized testing methodologies and to eliminate unnecessary or undesirable variations in test results when evaluating a products adherence to specification requirements It is hoped that this book will help its readers who are new to this sector and will also find resourceful for new entrepreneurs existing industries technical institution etc TAGS Paint Testing Manual Paint and Coating Testing Manual Testing Manual of Paints Varnishes and Resins Paint Testing Procedure Testing Manual of Varnishes Testing Manual of Resins Varnishes Testing Manual Resins Testing Manual Paint Testing Resins Testing Varnishes Testing Paint Testing Equipments Paint Test Instruments Paint Testing Equipments Chemical Methods for Fungal Identification Resistance of Paint Films Insect Resistant Paints Weathering Tests Natural Weathering Manual Scraping and Wire Brushing Tests on Galvanized Steel Tests on Aluminum Tests on Magnesium Tests on Masonry Evaluating Weathering Tests Gloss Artificial Weathering Artificial Weathering Machines New Jersey Zinc Company Machine British Railways Machine British Paint Research Station Machine Atmospheric Pollutants Specific Products Tests on Varnishes Architectural Paint Special Method for Multicolor Lacquer Cement Base Paint and Painting of Masonary Alkali Resistance of Coatings Concrete Wet Feet Test for Concrete Paint Waxes and Polishes Preparing Test Films of Emulsion Floor Polishes Putty Glazing Compounds Caulking Tile Like Coatings and Seamless Floor Testing Bituminous Coatings Traffic Paint Paint for Marine Environment Paint for Electrocoating Analysis of Whole Paint Chemical Analysis of Pigments Synthetic Resins Driers and Metallic Soaps Natural Resins Cellulosics Plasticizers Solvents Metal Separation With Hydrochloric Acid Astm Method Method for Dark Oils Potentiometric Method Method for Films Npcs Niir Process Technology Books Business Consultancy Business Consultant Project Identification and Selection Preparation of Project Profiles Startup Business Guidance Business Guidance to Clients Startup Project Startup Ideas Project

for Startups Startup Project Plan Business Start Up Business Plan for Startup Business Great Opportunity for Startup Small Start Up Business Project Best Small and Cottage Scale Industries Startup India Stand Up India Small Scale Industries New Small Scale Ideas for Varnishes Testing Manual Paint Testing Manual Business Ideas You Can Start on Your Own Small Scale Resins Testing Manual Guide to Starting and Operating Small Business Business Ideas for Paint Testing Manual How to Start Varnishes Testing Manual Starting Resins Testing Manual Start Your Own Resins Testing Manual Business Varnishes Testing Manual Business Plan Business Plan for Paint Testing Manual Small Scale Industries in India Varnishes Testing Manual Based Small Business Ideas in India Small Scale Industry You Can Start on Your Own Business Plan for Small Scale Industries Set Up Resins Testing Manual Profitable Small Scale Manufacturing How to Start Small Business in India Free Manufacturing Business Plans Small and Medium Scale Manufacturing Profitable Small Business Industries Ideas Business Ideas for Startup **Technical Manual** United States Department of the Army,1971

## **Asphalt Testing Manual** Book Review: Unveiling the Power of Words

In a world driven by information and connectivity, the energy of words has become more evident than ever. They have the capability to inspire, provoke, and ignite change. Such may be the essence of the book **Asphalt Testing Manual**, a literary masterpiece that delves deep to the significance of words and their impact on our lives. Published by a renowned author, this captivating work takes readers on a transformative journey, unraveling the secrets and potential behind every word. In this review, we will explore the book's key themes, examine its writing style, and analyze its overall effect on readers.

<https://stats.tinkerine.com/results/Resources/default.aspx/Bayesian%20Filtering%20And%20Smoothing%20Simo%20S%20Auml%20Rkk%20Auml.pdf>

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### **Asphalt Testing Manual Introduction**

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