

# **EXPERIMENTAL PRODUCTS EVALUATION PROGRAM**

**Annual Report  
June 1999**

---

**Gary Williams, P.E.  
Product Evaluation Engineer**

**Office of Research  
Oklahoma Department of Transportation  
200 N.E. 21st Street, Room 2A2  
Oklahoma City, Oklahoma 73105  
(405) 521-2671  
FAX (405) 521-6528**

# TECHNICAL REPORT DOCUMENTATION PAGE

<b>1. REPORT NO.</b> FHWA/OK 99(01)	<b>2. GOVERNMENT ACCESSION NO.</b>	<b>3. RECIPIENT'S CATALOG NO.</b>	
<b>4. TITLE AND SUBTITLE</b> Experimental Product and Evaluation Program: Annual Report		<b>5. REPORT DATE</b>	
<b>9. PERFORMING ORGANIZATION NAME AND ADDRESS</b> Oklahoma Department of Transportation Office of Research 200 N.E. 21st Street, Room 2A2 Oklahoma City, Oklahoma 73105		<b>10. WORK UNIT NO.</b>	
		<b>11. CONTRACT OR GRANT NO.</b>	
<b>12. SPONSORING AGENCY NAME AND ADDRESS</b>  U.S. Department of Transportation Federal Highway Administration 715 S. Metropolitan Avenue, Suite 700 Oklahoma City, OK 73108		<b>13. TYPE OF REPORT AND PERIOD COVERED</b> Annual Report Jan. - Dec. 1998	
		<b>14. SPONSORING AGENCY CODE</b>	
<b>15. SUPPLEMENTARY NOTES</b>			
<b>16. ABSTRACT</b> This publication consists of a listing of experimental products that are being or have been evaluated by The Oklahoma Department of Transportation (ODOT), or other transportation agencies.  This listing is continuously updated as new information is received.  A status of the evaluation is given for each item, showing the progress or result of the evaluation.			
<b>17. KEY WORDS</b> Experimental products and equipment.		<b>18. DISTRIBUTION STATEMENT</b> No restrictions. This publication is available from The Office of Research, Oklahoma DOT.	
<b>19. SECURITY CLASSIF. (OF THIS REPORT)</b> Unclassified	<b>20. SECURITY CLASSIF. (OF THIS PAGE)</b> Unclassified	<b>21. NO. OF PAGES</b> 27	<b>2. PRICE</b>

PROTECTED UNDER INTERNATIONAL COPYRIGHT  
ALL RIGHTS RESERVED.  
NATIONAL TECHNICAL INFORMATION SERVICE  
U.S. DEPARTMENT OF COMMERCE

The contents of this report reflect the views of the author(s) who is responsible for the facts and accuracy of the data presented herein. The contents do not necessarily reflect the views of the Oklahoma Department of Transportation or the Federal Highway Administration. This report does not constitute a standard, specification or regulation. While trade names may be used in this report, it is not intended as an endorsement of any machine, contractor, process or product.

# SI (METRIC) CONVERSION FACTORS

Approximate Conversions to SI Units					Approximate Conversions from SI Units				
Symbol	When you know	Multiply by	To Find	Symbol	Symbol	When you know	Multiply by	To Find	Symbol
<b>LENGTH</b>					<b>LENGTH</b>				
in	inches	25.40	millimeters	mm	mm	millimeters	0.0394	inches	in
ft	feet	0.3048	meters	m	m	meters	3.281	feet	ft
yd	yards	0.9144	meters	m	m	meters	1.094	yards	yds
mi	miles	1.609	kilometers	km	km	kilometers	0.6214	miles	mi
<b>AREA</b>					<b>AREA</b>				
in <sup>2</sup>	square inches	645.2	square millimeters	mm <sup>2</sup>	mm <sup>2</sup>	square millimeters	0.00155	square inches	in <sup>2</sup>
ft <sup>2</sup>	square feet	0.0929	square meters	m <sup>2</sup>	m <sup>2</sup>	square meters	10.764	square feet	ft <sup>2</sup>
yd <sup>2</sup>	square yards	0.8361	square meters	m <sup>2</sup>	m <sup>2</sup>	square meters	1.196	square yards	yd <sup>2</sup>
ac	acres	0.4047	hectares	ha	ha	hectares	2.471	acres	ac
mi <sup>2</sup>	square miles	2.590	square kilometers	km <sup>2</sup>	km <sup>2</sup>	square kilometers	0.3861	square miles	mi <sup>2</sup>
<b>VOLUME</b>					<b>VOLUME</b>				
fl oz	fluid ounces	29.57	milliliters	mL	mL	milliliters	0.0338	fluid ounces	fl oz
gal	gallon	3.785	liters	L	L	liters	0.2642	gallon	gal
ft <sup>3</sup>	cubic feet	0.0283	cubic meters	m <sup>3</sup>	m <sup>3</sup>	cubic meters	35.315	cubic feet	ft <sup>3</sup>
yd <sup>3</sup>	cubic yards	0.7645	cubic meters	m <sup>3</sup>	m <sup>3</sup>	cubic meters	1.308	cubic yards	yd <sup>3</sup>
<b>MASS</b>					<b>MASS</b>				
oz	ounces	28.35	grams	g	g	grams	0.0353	ounces	oz
lb	pounds	0.4536	kilograms	kg	kg	kilograms	2.205	pounds	lb
T	short tons (2000 lb)	0.907	megagrams	Mg	Mg	megagrams	1.1023	short tons (2000 lb)	T
<b>TEMPERATURE (exact)</b>					<b>TEMPERATURE (exact)</b>				
°F	degrees Fahrenheit	(°F-32)/1.8	degrees Celsius	°C	°C	degrees Fahrenheit	9/5(°C)+32	degrees Celsius	°F
<b>FORCE and PRESSURE or STRESS</b>					<b>FORCE and PRESSURE or STRESS</b>				
lbf	poundforce	4.448	Newtons	N	N	Newtons	0.2248	poundforce	lbf
lbf/in <sup>2</sup>	poundforce per square inch	6.895	kilopascals	kPa	kPa	kilopascals	0.1450	poundforce per square inch	lbf/in <sup>2</sup>

# **EXPERIMENTAL PRODUCTS EVALUATION PROGRAM**

## **ANNUAL REPORT**

**June 1999**

**Gary Williams, P.E.  
Product Evaluation Engineer**

**Office of Research  
Materials and Research Division  
Oklahoma Department of Transportation  
200 N.E. 21st Street, Room 2A2  
Oklahoma City, OK 73105  
Telephone (405) 521-2671  
FAX (405) 521-6948**

## TABLE OF CONTENTS

BACKGROUND .....	1
CLASSIFICATION OF EVALUATION STATUS .....	1
SUMMARY OF ANNUAL PROGRESS .....	1
ADHESIVES .....	5
BARRIERS, FENCING AND ROADSIDE STRUCTURES .....	5
BITUMINOUS MATERIALS AND ADDITIVES .....	5
CULVERTS AND DRAINAGE STRUCTURES .....	7
JOINT SEALERS AND FILLERS .....	8
MISCELLANEOUS .....	9
MULCH AND EROSION CONTROLS .....	9
PATCHING MATERIALS .....	10
PAVING FABRICS .....	11
PCC ADMIXTURES .....	12
PCC FINISHING MATERIALS .....	12
RUST PASSIVATORS .....	12
SOIL STERILIZATION AND WEED CONTROL MATERIALS .....	12
SOIL TREATMENTS .....	15
STRUCTURAL PAINTS .....	16
TESTING AND CONSTRUCTION EQUIPMENT .....	18
WATERPROOFING MEMBRANES AND MATERIALS .....	19

## **LIST OF TABLES**

Table 1. Evaluations Completed in 1998 .....	2
Table 2. Products Under Evaluation in 1998 .....	3

# **EXPERIMENTAL PRODUCTS EVALUATION PROGRAM: ANNUAL REPORT**

## **BACKGROUND**

Rapid implementation of new technologies and products is an important component of an efficiently managed transportation system. The Experimental Products Evaluation Program (EPEP) is an ongoing program established by The Office of Research to provide The Oklahoma Department of Transportation (ODOT) with a means of evaluating, monitoring, and implementing the use of new or experimental products. This report gives the status of products evaluated, pending evaluation, or under evaluation by ODOT during the last five years.

Certain restrictions apply to the use of new products on ODOT projects. If the project includes federal funds, special provisions and an evaluation work plan must be developed and approved.

## **CLASSIFICATION OF EVALUATION STATUS**

The status of each product evaluation is classified as follows.

<b>Pending</b>	The evaluation has not yet begun or has been delayed.
<b>Under Evaluation</b>	The product is currently being evaluated.
<b>Accepted</b>	The evaluation is complete and the product met the evaluation criteria. This does not guarantee approval by ODOT or the FHWA for general use.
<b>Not Accepted</b>	The evaluation is complete and the product failed to meet the criteria under which it was evaluated.

## **SUMMARY OF ANNUAL PROGRESS**

For the year 1998, there were 23 products under evaluation. One product evaluation was completed and the result of this evaluation is given in Table 1. Those remaining under evaluation are listed in Table 2. The products evaluated by the EPEP are kept in the "current" database for a minimum of two years after completion of the evaluation. Pages 5 through 26 consist of a listing of the 69 products in the database at this time.



Table 1. Evaluations Completed in 1998.

Product RD No.	Product Name and Type	Result	
		Accepted	Not Accepted
RD-2554	Crafco Roadsaver Self- Leveling Silicone Joint Sealent.	X	

**Table 2. Products Under Evaluation in 1998**

<b>Product RD No.</b>	<b>Product Name</b>	<b>Product Description</b>
RD-1020	Fossrock Patchrock 1060	Quick setting backfill material for dowel bar retrofit.
RD-2553	Pavetech Bridge Joint System	Watertight expansion joint seal system for bridge decks. Consists of modified asphalt binder and flint aggregate.
RD-2504	Willseal	Precompressed, self-adhesive foam sealant. Used for sealing both pavement and bridge deck joints. Evaluated as a bridge deck joint seal.
RD-1020	Fossrock Patchrock 1060	Quick setting backfill material for dowel bar retrofit.
RD-2829	Roadpatch	Fast-setting Portland Cement, glass fiber-rereinforced patch material.
RD-4969	Bitutex	Fabric reinforcement with polyester gridwork.
RD-2329	Darex Corrosion Inhibitor	Calcium nitrite corrosion inhibitor. Added to PCC mixes to prevent corrosion of reinforcing steel.
RD-2409	Thoroclad	Portland cement-acrylic modified primer for iron or steel surfaces. Can apply on clean or rusted surfaces.
RD-4901	Portland Cement Kiln Dust (Holnam, Inc.)	Applied as soil stabilization.
RD-4902	Portland Cement Kiln Dust (Lone Star)	Applied as soil stabilization.
RD-4903	Portland Cement Kiln Dust (Blue Circle)	Applied as soil stabilization.
RD-2304	Alumaclad	Bridge paint.
RD-2302	Rust Grip	Urethane bridge paint.
RD-2307	Superior Paint System	Bridge paint system consisting of Rust Grip SP-S primer, Rust Grip with dye intermediate coat and Rust Grip HS topcoat.
RD-2308	Tnemec 135, Series 74 Bridge Paint	Bridge paint system.
RD-2306	Valspar Paint System	Bridge paint system.

<b>Product RD No.</b>	<b>Product Name</b>	<b>Product Description</b>
RD-2305	Wasser Paint System	Bridge paint system.
RD-2309	Watson Paint System	Bridge paint system.
RD-2017	Royston Bridge Membrane No. 10	Preformed, fiber glass reinforced, rubberized asphalt sheet for protecting PCC bridge decks from deterioration caused by deicing chemicals.
RD-4969	Bitutex	Fabric reinforcement with polyester gridwork for extra strength.
RD-3306	Road Patch	Hot applied repair material consisting of bitumen, polymers and graded filler. Produces an impermeable repair on AC or PCC.
RD-9053	K.J. Law Lightweight Profiler	Profiler mounted on ATV. Simulates California Profilograph. Tests at 18 mph.

**Delete Date:** 9-30-99  
**Product Type:** ADHESIVES  
**Product Name:** COLMA-DUR  
**Manufacturer:** SIKA CHEMICAL CORPORATION  
**Evaluator:** OKLAHOMA  
**File Number:** RD-AASHTO  
**Status:** ACCEPTED  
**Contact:** ODOT RESEARCH

**Comment:**  
BONDS DRY CONCRETE, STEEL,  
STONE, WOOD, ETC. EVALUATED AND  
ACCEPTED BY ARIZONA.

**Delete Date:** 12-31-99  
**Product Type:** ADHESIVES  
**Product Name:** FOSSROCK PATCHROCK  
**Manufacturer:** FOSSROCK  
**Evaluator:** OKLAHOMA  
**File Number:** RD-1020  
**Status:** ACCEPTED  
**Contact:** ODOT RESEARCH OR ODOT DIV. IV

**Comment:**  
QUICKSETTING BACKFILL MATERIAL  
FOR DOWEL BAR RETROFIT.

**Delete Date:** 12-30-99  
**Product Type:** BARRIERS , FENCING AND  
ROADSIDE STRUCTURES  
**Product Name:** FANWALL  
**Manufacturer:** REINFORCED EARTH, INC.  
**Evaluator:** OKLAHOMA  
**File Number:** RD-6413  
**Status:** NOT ACCEPTED  
**Contact:** ODOT RESEARCH

**Comment:**  
NOISE BARRIER WALL ERECTED ON  
PROJECT SITE FROM  
PREFABRICATED CONCRETE  
SECTIONS.

**Delete Date:** 8-27-99  
**Product Type:** BITUMINOUS MATERIALS AND  
ADDITIVES  
**Product Name:** CRS-2S  
**Manufacturer:** BITUCOTE PRODUCTS CO.  
**Evaluator:** OKLAHOMA  
**File Number:** RD-3310  
**Status:** UNDER EVALUATION  
**Contact:** ODOT RESEARCH

**Comment:**  
USED FOR CRACK FILLER AND  
SEALCOATING. POLYMER MODIFIED  
ASPHALT.

**Delete Date:** 06-02-02  
**Product Type:** BITUMINOUS MATERIALS AND ADDITIVES  
**Product Name:** ROAD PATCH  
**Manufacturer:** APPLIED POLYMERICS  
**Evaluator:** OKLAHOMA  
**File Number:** RD-3306  
**Status:** UNDER EVALUATION  
**Contact:** ODOT RESEARCH

**Comment:**  
HOT APPLIED REPAIR MATERIAL WITH 14 % BITUMEN, POLYMERS, GRADED FILLER. PRODUCES AN IMPERMEABLE REPAIR ON ASPHALT OR CONCRETE.

**Delete Date:** 9-02-00  
**Product Type:** BITUMINOUS MATERIALS AND ADDITIVES  
**Product Name:** NOVOPHALT  
**Manufacturer:** NOVOPHALT AMERICA, INC.  
**Evaluator:** OKLAHOMA  
**File Number:** RD-1008  
**Status:** NOT ACCEPTED  
**Contact:** ODOT RESEARCH

**Comment:**  
A.C. MODIFIED WITH POLYETHYLENE. REDUCES RUTTING AND SHOVING. RETARDS REFLECTIVE CRACKING

**Delete Date:** 9-02-00  
**Product Type:** BITUMINOUS MATERIALS AND ADDITIVES  
**Product Name:** CHEM-CRETE BITUMEN  
**Manufacturer:** CHEM-CRETE CORPORATION  
**Evaluator:** OKLAHOMA  
**File Number:** RD-3303  
**Status:** NOT ACCEPTED  
**Contact:** ODOT RESEARCH

**Comment:**  
PAVING ASPHALT DESIGNED FOR STABILITY AND DURABILITY.

**Delete Date:** 12-01-99  
**Product Type:** BITUMINOUS MATERIALS AND ADDITIVES  
**Product Name:** ULTRAPAVE  
**Manufacturer:** GOODYEAR  
**Evaluator:** OKLAHOMA  
**File Number:** RD-3305  
**Status:** UNDER EVALUATION  
**Contact:** WILSON BREWER, ODOT RESEARCH

**Comment:**  
SBR LATEX POLYMER MODIFIER

**Delete Date:** 10-26-99  
**Product Type:** BITUMINOUS MATERIALS AND ADDITIVES  
**Product Name:** FIBERPAVE  
**Manufacturer:** HERCULES, INC.  
**Evaluator:** OKLAHOMA  
**File Number:** RD-3307  
**Status:** NOT ACCEPTED  
**Contact:** ODOT RESEARCH

**Comment:**  
SHORT-LENGTH POLYPROPYLENE FIBERS USED IN HIGHWAY PAVING AND PATCHING.

**Delete Date:** 10-30-99  
**Product Type:** BITUMINOUS MATERIALS AND ADDITIVES  
**Product Name:** EXTRUDAMAT  
**Manufacturer:** HERCULES, INC.  
**Evaluator:** OKLAHOMA  
**File Number:** RD-2553  
**Status:** ACCEPTED  
**Contact:** ODOT RESEARCH

**Comment:**  
SHORT-LENGTH POLYPROPYLENE FIBERS USED IN ASPHALT REINFORCEMENT AND CRACK SEALANTS.

**Delete Date:** 10-01-99  
**Product Type:** CULVERTS AND DRAINAGE STRUCTURES  
**Product Name:** OMNI-FLEX PIPE JOINT SEALS  
**Manufacturer:** DELTA SOUTHWEST, INC.  
**Evaluator:** OKLAHOMA  
**File Number:** RD-5102  
**Status:** \*ACCEPTED  
**Contact:** GARY WILLIAMS, ODOT RESEARCH

**Comment:**  
PREFORMED, CLOSED-CELL FOAM SEALS FOR RCP JOINTS. REQUIRE NO PRIMING OR PIECING TOGETHER. \*ACCEPTED FOR USE ON RCP SIZES 60 INCH AND SMALLER.

**Delete Date:** 10-26-99  
**Product Type:** CULVERTS AND DRAINAGE STRUCTURES  
**Product Name:** NEXON (POLYMER COATED)  
**Manufacturer:** US STEEL  
**Evaluator:** OKLAHOMA  
**File Number:** RD-5101  
**Status:** ACCEPTED  
**Contact:** ODOT RESEARCH

**Comment:**  
COATING USED WHERE WATER AND/OR SOILS ARE CORROSIVE OR ABRASIVE.

**Delete Date:** 08-02-99  
**Product Type:** JOINT SEALERS AND FILLERS  
**Product Name:** PAVETECH BRIDGE JOINT SYSTEM  
**Manufacturer:** (LICENSEE) ALPHA LOT SERVICE, INC.  
**Evaluator:** OKLAHOMA  
**File Number:** RD-2553  
**Status:** UNDER EVALUATION  
**Contact:** GARY WILLIAMS, ODOT RESEARCH

**Comment:**  
WATERTIGHT EXPANSION JOINT SYSTEM FOR BRIDGE DECKS. CONSISTS OF MODIFIED ASPHALT BINDER AND FLINT AGGREGATE. CAN REPAIR LEAKS OR ROUGH- RIDING JOINTS BY TOPPING THEM WITH THE SAME MATERIAL.

**Delete Date:** 03-30-00  
**Product Type:** JOINT SEALERS AND FILLERS  
**Product Name:** XJS  
**Manufacturer:** SSI AND DOW-CORNING (JOINTLY PRODUCED)  
**Evaluator:** OKLAHOMA  
**File Number:** RD-2549  
**Status:** ACCEPTED  
**Contact:** GARY WILLIAMS, ODOT RESEARCH

**Comment:**  
WATERTIGHT EXPANSION JOINT SYSTEM FOR BRIDGE DECKS. ALSO REPAIRS EDGES AND FACES OF JOINTS.

**Delete Date:** 12-05-99  
**Product Type:** JOINT SEALERS AND FILLERS  
**Product Name:** KOCH BRIDGE JOINT SYSTEM  
**Manufacturer:** KOCH MATERIALS CORP. OKLAHOMA  
**Evaluator:** RD-2553  
**File Number:** NOT ACCEPTED  
**Status:** ODOT RESEARCH  
**Contact:**

**Comment:**  
SEE PAVETECH BRIDGE JOINT SYSTEM, THIS SECTION. KOCH MATERIALS CORP. BOUGHT THE U.S.A. RIGHTS TO PAVETECH. THE PRODUCT IS NOW MANUFACTURED IN THE U.S.

**Delete Date:** JOINT SEALERS AND FILLERS  
**Product Type:** WILLSEAL  
**Product Name:** ILLBRUCK, INC., MINNEAPOLIS, MN.  
**Manufacturer:** OKLAHOMA  
**Evaluator:** RD-2504  
**File Number:** UNDER EVALUATION  
**Status:** ODOT RESEARCH  
**Contact:**

**Comment:**  
PRECOMPRESSED, SELF-ADHESIVE FOAM SEALANT. USED FOR SEALING BOTH PAVEMENT AND BRIDGE DECK JOINTS. CAN BE APPLIED AT ANY TEMPERATURE. ODOT IS EVALUATING THIS PRODUCT AS A BRIDGE JOINT SEALANT.

**Delete Date:** 10-26-99  
**Product Type:** MISCELLANEOUS  
**Product Name:** FOSSROCK PATCHROCK  
**Manufacturer:** FOSSROCK  
**Evaluator:** OKLAHOMA  
**File Number:** RD-1020  
**Status:** UNDER EVALUATION  
**Contact:** DIV. IV, ODOT RESEARCH

**Comment:**  
QUICKSETTING BACKFILL MATERIAL  
FOR DOWEL BAR RETROFIT.

**Delete Date:** 12-31-99  
**Product Type:** MISCELLANEOUS  
**Product Name:** URETEK  
**Manufacturer:** URETEK USA  
**Evaluator:** OKLAHOMA  
**File Number:** RD-9207  
**Status:** ACCEPTED  
**Contact:** WILSON BREWER, ODOT  
RESEARCH

**Comment:**  
UNDERSEAL FOR PCC ROADWAY AND  
BRIDGE APPROACH SLABS. USED TO  
REPAIR FAULTS AND FILL  
TRANSVERSE CRACKS.

**Delete Date:** 04-06-00  
**Product Type:** MULCH AND EROSION CONTROLS  
**Product Name:** TRIANGULAR SILT DIKE  
**Manufacturer:** TRIANGULAR SILT DIKE CO.  
**Evaluator:** OKLAHOMA  
**File Number:** RD-4903  
**Status:** ACCEPTED  
**Contact:** ODOT RESEARCH

**Comment:**  
SILT DIKES FOR CONSTRUCTION  
SITES. REPLACEMENT FOR HAY  
BALES. MADE OF URETHANE FOAM  
WITH GEOTEXTILE FABRIC  
COVERING. LIGHT, EASILY  
INSTALLED, DON'T ROT.

**Delete Date:** 10-26-99  
**Product Type:** MULCH AND EROSION CONTROLS  
**Product Name:** FABRIFORM  
**Manufacturer:** CONSTRUCTION TECHNIQUES, INC.  
**Evaluator:** OKLAHOMA  
**File Number:** RD-4610  
**Status:** ACCEPTED  
**Contact:** ODOT RESEARCH

**Comment:**  
MORTAR FILLED NYLON FIBER  
MATTING USED AS RIP-RAP, DITCH  
CHECKS, ETC.



**Delete Date:** 01-30-00  
**Product Type:** PATCHING MATERIALS  
**Product Name:** ROADPATCH  
**Manufacturer:** THORO SYSTEM PRODUCTS  
**Evaluator:** OKLAHOMA  
**File Number:** RD-2829  
**Status:** UNDER EVALUATION  
**Contact:** ODOT RESEARCH

**Comment:**  
FAST-SETTING PORTLAND CEMENT,  
GLASS FIBER REINFORCED PATCH  
MATERIAL.

**Delete Date:** 10-30-99  
**Product Type:** PATCHING MATERIALS  
**Product Name:** SILSPEC 900 PNS  
**Manufacturer:** SILSPEC, INC. (SSI IS LOCAL  
DISTRIBUTOR)  
**Evaluator:** OKLAHOMA  
**File Number:** RD-2549  
**Status:** ACCEPTED  
**Contact:** ODOT RESEARCH

**Comment:**  
POLYMERIZED AC BINDER.  
DEVELOPS A FLEXIBLE MODIFIED AC  
WHEN MIXED WITH FLINT-TYPE  
AGGREGATE. USED TO  
REPAIR/REPLACE DAMAGED FACES  
OF EXPANSION JOINTS.

**Delete Date:** 10-27-99  
**Product Type:** PATCHING MATERIALS  
**Product Name:** ALCRETE  
**Manufacturer:** ALLIED CONSTRUCTION SUPPLIES  
**Evaluator:** OKLAHOMA  
**File Number:** RD-2706  
**Status:** ACCEPTED  
**Contact:** ODOT RESEARCH

**Comment:**  
CONCRETE PATCHING MATERIAL  
FOR STREETS AND HIGHWAYS.

**Delete Date:** 10-27-99  
**Product Type:** PATCHING MATERIALS  
**Product Name:** DURACAL  
**Manufacturer:** UNITED GYPSUM CO., INC.  
**Evaluator:** OKLAHOMA  
**File Number:** RD-2815  
**Status:** ACCEPTED  
**Contact:** ODOT RESEARCH

**Comment:**  
PATCH MATERIAL. MAY BE USED AS  
100 PERCENT CEMENT OR WITH  
EQUAL AMOUNTS OF SAND.

**Delete Date:** 11-28-99  
**Product Type:** PATCHING MATERIALS  
**Product Name:** EMBECO L-411  
**Manufacturer:** MASTER BUILDERS  
**Evaluator:** OKLAHOMA  
**File Number:** RD-2701  
**Status:** ACCEPTED  
**Contact:** ODOT RESEARCH

**Comment:**  
FAST SETTING CONCRETE PATCHING  
MATERIAL. PATCHED SURFACE CAN  
BE OPEN TO TRAFFIC WITHIN 4  
HOURS OF POURING.

**Delete Date:** 10-27-99  
**Product Type:** PATCHING MATERIALS  
**Product Name:** STEELCOTE F.C. 100  
**Manufacturer:** STEELCOTE MANUFACTURING CO.  
**Evaluator:** OKLAHOMA  
**File Number:** RD-2820  
**Status:** ACCEPTED  
**Contact:** ODOT RESEARCH

**Comment:**  
HIGH EARLY STRENGTH CONCRETE  
FOR PATCHING PCC PAVEMENT OR  
BRIDGE DECKS.

**Delete Date:** 12-15-99  
**Product Type:** PATCHING MATERIALS  
**Product Name:** SIKAPRONT 19  
**Manufacturer:** SIKKA CORPORATION  
**Evaluator:** OKLAHOMA  
**File Number:** RD-2832  
**Status:** UNDER EVALUATION  
**Contact:** ODOT RESEARCH

**Comment:**  
METHACRYLATE CRACK SEALER.  
STRUCTURALLY REPAIRS CRACKS  
AND SURFACE SEALS PCC.

**Delete Date:** 06-01-02  
**Product Type:** PATCHING MATERIALS  
**Product Name:** ROAD PATCH  
**Manufacturer:** APPLIED POLYMERICS  
**Evaluator:** OKLAHOMA  
**File Number:** RD-3306  
**Status:** UNDER EVALUATION  
**Contact:** ODOT RESEARCH

**Comment:**  
HOT APPLIED REPAIR MATERIAL  
WITH 14% BITUMEN, POLYMERS AND  
GRADED FILLER. PRODUCES AN  
IMPERMEABLE REPAIR FOR ASPHALT  
OR CONCRETE .

**Delete Date:** 10-26-99  
**Product Type:** PAVING FABRICS  
**Product Name:** AMOPAVE (PETROMAT)  
**Manufacturer:** AMOCO FABRICS COMPANY  
**Evaluator:** OKLAHOMA  
**File Number:** RD-4914  
**Status:** ACCEPTED  
**Contact:** ODOT RESEARCH

**Comment:**  
FABRIC REINFORCEMENT USED  
UNDER AC OVERLAYS OR NEW  
PAVEMENT.

**Delete Date:** 12-01-99  
**Product Type:** PAVING FABRICS  
**Product Name:** PRO-GUARD  
**Manufacturer:** PHILLIPS FIBERS CORPORATION  
**Evaluator:** OKLAHOMA  
**File Number:** RD-4970  
**Status:** ACCEPTED  
**Contact:** ODOT RESEARCH

**Comment:**  
FLEXIBLE STRIP MEMBRANE APPLIED  
OVER CRACKS, BEFORE OVERLAYING  
PAVEMENT.

**Delete Date:** 12-31-99  
**Product Type:** PAVING FABRICS  
**Product Name:** BITUTEX  
**Manufacturer:** SYNTEEN USA, INC.  
**Evaluator:** OKLAHOMA  
**File Number:** RD-4969  
**Status:** UNDER EVALUATION  
**Contact:** GARY WILLIAMS, ODOT RESEARCH

**Comment:**  
**FABRIC REINFORCEMENT WITH  
POLYESTER GRIDWORK.**

**Delete Date:** 10-01-99  
**Product Type:** PCC ADMIXTURES  
**Product Name:** DAREX CORROSION INHIBITOR  
**Manufacturer:** W.R. GRACE AND CO,  
**Evaluator:** OKLAHOMA  
**File Number:** RD-2329  
**Status:** UNDER EVALUATION  
**Contact:** ODOT RESEARCH

**Comment:**  
**CALCIUM NITRITE CORROSION  
INHIBITOR. ADDED TO CONCRETE  
MIX TO PREVENT CORROSION OF  
REINFORCING STEEL.**

**Delete Date:** 10-26-99  
**Product Type:** PCC FINISHING MATERIALS  
**Product Name:** TEX-COTE  
**Manufacturer:** TEXTURE COATINGS OF AMERICA,  
INC.  
**Evaluator:** OKLAHOMA  
**File Number:** RD-2405  
**Status:** ACCEPTED  
**Contact:** ODOT RESEARCH

**Comment:**  
**TEXTURED COATING FOR CONCRETE  
STRUCTURES. AVAILABLE IN  
DIFFERENT COLORS.**

**Delete Date:** 11-20-99  
**Product Type:** RUST PASSIVIATORS  
**Product Name:** THOROCLAD  
**Manufacturer:** THORO SYSTEM PRODUCTS  
**Evaluator:** OKLAHOMA  
**File Number:** RD-2409  
**Status:** UNDER EVALUATION  
**Contact:** ODOT RESEARCH

**Comment:**  
**PORTLAND CEMENT - ACRYLIC  
MODIFIED PRIMER FOR STEEL OR  
IRON SURFACES. CAN BE APPLIED ON  
CLEAN OR RUSTED SURFACES.**

**Delete Date:** 12-09-99  
**Product Type:** SOIL STERILIZATION AND WEED  
CONTROL MATERIALS  
**Product Name:** ARSENAL  
**Manufacturer:** AMERICAN CYANAMID COMPANY  
**Evaluator:** OKLAHOMA  
**File Number:** RD-4203  
**Status:** ACCEPTED  
**Contact:** ODOT RESEARCH

**Comment:**  
**POSTEMERGENCE HERBICIDE FOR  
BERMUDAGRASS**

**Delete Date:** 12-15-99  
**Product Type:** SOIL STERILIZATION AND WEED  
CONTROL MATERIALS  
**Product Name:** GARLON 4  
**Manufacturer:** DOW CHEMICAL COMPANY  
**Evaluator:** OKLAHOMA  
**File Number:** RD-4203  
**Status:** ACCEPTED  
**Contact:** ODOT RESEARCH

**Comment:**  
USED IN COMBINATION WITH  
TORDON K AS AN HERBICIDE FOR  
VARIOUS BRUSH SPECIES.

**Delete Date:** 12-15-99  
**Product Type:** SOIL STERILIZATION AND WEED  
CONTROL MATERIALS  
**Product Name:** TORDON K  
**Manufacturer:** DOW CHEMICAL COMPANY  
**Evaluator:** OKLAHOMA  
**File Number:** RD-4203  
**Status:** ACCEPTED  
**Contact:** ODOT RESEARCH

**Comment:**  
USED IN COMBINATION WITH  
GARLON 4 AS AN HERBICIDE FOR  
VARIOUS SUSCEPTIBLE BRUSH  
SPECIES.

**Delete Date:** 12-15-99  
**Product Type:** SOIL STERILIZATION AND WEED  
CONTROL MATERIALS  
**Product Name:** AATREX 4L  
**Manufacturer:** CIBA-GEIGY CORPORATION  
**Evaluator:** OKLAHOMA  
**File Number:** RD-4203  
**Status:** ACCEPTED  
**Contact:** ODOT RESEARCH

**Comment:**  
PREEMERGENCE HERBICIDE FOR  
ANNUAL GRASS AND BROADLEAF  
WEEDS.

**Delete Date:** 05-01-03  
**Product Type:** SOIL STERILIZATION AND WEED  
CONTROL MATERIALS  
**Product Name:** RODEO  
**Manufacturer:** MONSANTO AGRICULTURAL CO.  
**Evaluator:** OKLAHOMA  
**File Number:** RD-4203  
**Status:** ACCEPTED  
**Contact:** ODOT RESEARCH

**Comment:**  
USED (WITH NON-IONIC  
SURFACTANT) FOR AQUATIC WEED  
CONTROL.

**Delete Date:** 12-15-99  
**Product Type:** SOIL STERILIZATION AND WEED  
CONTROL MATERIALS  
**Product Name:** AATREX NINE-O  
**Manufacturer:** CIBA-GEIGY CORPORATION  
**Evaluator:** OKLAHOMA  
**File Number:** RD-4203  
**Status:** ACCEPTED  
**Contact:** ODOT RESEARCH

**Comment:**  
PREEMERGENCE HERBICIDE FOR  
ANNUAL GRASS AND BROADLEAF  
WEEDS.

**Delete Date:** 12-15-99  
**Product Type:** SOIL STERILIZATION AND WEED  
CONTROL MATERIALS  
**Product Name:** KARMEX 80 DF  
**Manufacturer:** E.I. DU PONT DE NEMOURS AND CO.  
**Evaluator:** OKLAHOMA  
**File Number:** RD-4203  
**Status:** ACCEPTED  
**Contact:** ODOT RESEARCH

**Comment:**  
PREEMERGENCE HERBICIDE FOR  
ANNUAL GRASS AND BROADLEAF  
WEEDS.

**Delete Date:** 12-15-99  
**Product Type:** SOIL STERILIZATION AND WEED  
CONTROL MATERIALS  
**Product Name:** ROUNDUP PRO  
**Manufacturer:** MONSANTO AGRICULTURAL CO.  
**Evaluator:** OKLAHOMA  
**File Number:** RD-4203  
**Status:** ACCEPTED  
**Contact:** ODOT RESEARCH

**Comment:**  
POSTEMERGENCE HERBICIDE FOR  
JOHNSONGRASS AND  
BERMUDAGRASS (IN COMBINATION  
WITH OUST), AND FOR SILVER  
BLUESTEM AND BRUSH (ROUNDUP  
PRO ONLY).

**Delete Date:** 12-15-99  
**Product Type:** SOIL STERILIZATION AND WEED  
CONTROL MATERIALS  
**Product Name:** VANQUISH  
**Manufacturer:** NOVARTIS CHEMICAL COMPANY  
**Evaluator:** OKLAHOMA  
**File Number:** RD-4203  
**Status:** ACCEPTED  
**Contact:** ODOT RESEARCH

**Comment:**  
POSTEMERGENCE HERBICIDE FOR  
BROADLEAF WEEDS INCLUDING  
KOCHIA AND SCOTCH THISTLE.

**Delete Date:** 5-15-03  
**Product Type:** SOIL STERILIZATION AND WEED  
CONTROL MATERIALS  
**Product Name:** RODEO  
**Manufacturer:** MONSANTO AGRICULTURAL CO.  
**Evaluator:** OKLAHOMA  
**File Number:** RD-4203  
**Status:** ACCEPTED  
**Contact:** ODOT RESEARCH

**Comment:**  
USED (WITH NON-IONIC  
SURFACTANT) FOR AQUATIC WEED  
CONTROL.

**Delete Date:** 5-15-03  
**Product Type:** SOIL STERILIZATION AND WEED  
CONTROL MATERIALS  
**Product Name:** OUST  
**Manufacturer:** E.I DU PONT DE NEMOURS AND CO.  
**Evaluator:** OKLAHOMA  
**File Number:** RD-4203  
**Status:** ACCEPTED  
**Contact:** ODOT RESEARCH

**Comment:**  
USED IN COMBINATION WITH  
ROUNDUP PRO FOR JOHNSONGRASS  
CONTROL.

**Delete Date:** 01-01-01  
**Product Type:** SOIL TREATMENTS  
**Product Name:** PORTLAND CEMENT KILN DUST  
**Manufacturer:** BLUE CIRCLE  
**Evaluator:** OKLAHOMA  
**File Number:** RD-4903  
**Status:** UNDER EVALUATION  
**Contact:** UNIV. OF OKLAHOMA, ODOT  
RESEARCH

**Comment:**  
APPLIED AS SOIL STABILIZATION.

**Delete Date:** 01-01-01  
**Product Type:** SOIL TREATMENTS  
**Product Name:** PORTLAND CEMENT KILN DUST  
**Manufacturer:** HOLNAM  
**Evaluator:** OKLAHOMA  
**File Number:** RD-4901  
**Status:** UNDER EVALUATION  
**Contact:** UNIV. OF OKLAHOMA, ODOT  
RESEARCH

**Comment:**  
APPLIED AS SOIL STABILIZATION.

**Delete Date:** 01-01-01  
**Product Type:** SOIL TREATMENTS  
**Product Name:** PORTLAND CEMENT KILN DUST  
**Manufacturer:** LONE STAR  
**Evaluator:** OKLAHOMA  
**File Number:** RD-4902  
**Status:** UNDER EVALUATION  
**Contact:** UNIV. OF OKLAHOMA, ODOT  
RESEARCH

**Comment:**  
APPLIED AS SOIL STABILIZATION.

**Delete Date:** 10-27-99  
**Product Type:** SOIL TREATMENTS  
**Product Name:** SA-1  
**Manufacturer:** CENTRAL CHEMICAL CO.  
**Evaluator:** OKLAHOMA  
**File Number:** RD-4603  
**Status:** NOT ACCEPTED  
**Contact:** ODOT RESEARCH

**Comment:**  
STABILIZER FOR GRANULAR BASES  
AND RECONSTRUCTION OF ASPHALT  
ROADS.

**Delete Date:** 05-01-00  
**Product Type:** STRUCTURAL PAINTS  
**Product Name:** ALUMACLAD  
**Manufacturer:** CENTRAL CHEMICAL CO.  
**Evaluator:** OKLAHOMA  
**File Number:** RD-2304  
**Status:** UNDER EVALUATION  
**Contact:** ODOT RESEARCH

**Comment:**  
WATER-BORNE ALUMINUM POWDER-  
TYPE COATING. UNDER EVALUATION  
ON ONE BRIDGE IN SEMINOLE  
COUNTY.

**Delete Date:** 05-01-00  
**Product Type:** STRUCTURAL PAINTS  
**Product Name:** ALUMANATION  
**Manufacturer:** REPUBLIC POWDERED METALS  
**Evaluator:** OKLAHOMA  
**File Number:** RD-2303  
**Status:** UNDER EVALUATION  
**Contact:** ODOT RESEARCH

**Comment:**  
UNDER EVALUATION ON ONE BRIDGE  
IN SEMINOLE COUNTY.

**Delete Date:** 05-01-00  
**Product Type:** STRUCTURAL PAINTS  
**Product Name:** CARBOLINE PROTECTIVE COATINGS  
**Manufacturer:** CARBOLINE CO.  
**Evaluator:** OKLAHOMA  
**File Number:** RD-6801  
**Status:** UNDER EVALUATION  
**Contact:** KIMBERLY GORDON, ODOT RESEARCH

**Comment:**  
**BRIDGE PAINT.**

**Delete Date:** 05-01-00  
**Product Type:** STRUCTURAL PAINTS  
**Product Name:** RUST GRIP  
**Manufacturer:** SUPERIOR PRODUCTS  
**Evaluator:** OKLAHOMA  
**File Number:** RD-2302  
**Status:** UNDER EVALUATION  
**Contact:** ODOT RESEARCH

**Comment:**  
**MOISTURE-CURED URETHANE.**  
**UNDER EVALUATION ON ONE BRIDGE**  
**IN LE FLORE COUNTY.**  
**Comment:**  
**USED IN COMBINATION WITH**  
**ROUNDUP PRO FOR JOHNSONGRASS**  
**CONTROL.**

**Delete Date:** 05-01-00  
**Product Type:** STRUCTURAL PAINTS  
**Product Name:** SUPERIOR PAINT SYSTEM  
**Manufacturer:** SUPERIOR  
**Evaluator:** OKLAHOMA  
**File Number:** RD-2307  
**Status:** UNDER EVALUATION  
**Contact:** KIMBERLY GORDON, ODOT RESEARCH

**Comment:**  
**BRIDGE PAINT SYSTEM CONSISTING**  
**OF RUST GRIP SP-S PRIMER, RUST**  
**GRIP WITH DYE INTERMEDIATE COAT**  
**AND RUST GRIP HS TOPCOAT.**

**Delete Date:** 05-01-00  
**Product Type:** STRUCTURAL PAINTS  
**Product Name:** TNEMEC 135, SERIES 74 PAINT SYSTEM  
**Manufacturer:** TNEMEC  
**Evaluator:** OKLAHOMA  
**File Number:** RD-2308  
**Status:** UNDER EVALUATION  
**Contact:** KIMBERLY GORDON, ODOT RESEARCH

**Comment:**  
**BRIDGE PAINT SYSTEM.**



**Delete Date:** 05-01-00  
**Product Type:** STRUCTURAL PAINTS  
**Product Name:** VALSPAR PAINT SYSTEM  
**Manufacturer:** VALSPAR  
**Evaluator:** OKLAHOMA  
**File Number:** RD-2306  
**Status:** UNDER EVALUATION  
**Contact:** KIMBERLY GORDON, ODOT  
RESEARCH

**Comment:**  
BRIDGE PAINT SYSTEM CONSISTING  
OF VALSPAR V-13-F-12 PRIMER, V89W9  
INTERMEDIATE COAT AND V54W7  
TOPCOAT.

**Delete Date:** 05-01-00  
**Product Type:** STRUCTURAL PAINTS  
**Product Name:** WASSER PAINT SYSTEM  
**Manufacturer:** WASSER COATINGS  
**Evaluator:** OKLAHOMA  
**File Number:** RD-2305  
**Status:** UNDER EVALUATION  
**Contact:** KIMBERLY GORDON, ODOT  
RESEARCH

**Comment:**  
BRIDGE PAINT SYSTEM CONSISTING  
OF MC-ZINC, FERROX A AND  
MIOMASTIC.

**Delete Date:** 05-01-00  
**Product Type:** STRUCTURAL PAINTS  
**Product Name:** WATSON PAINT SYSTEM  
**Manufacturer:** WATSON  
**Evaluator:** OKLAHOMA  
**File Number:** RD-2309  
**Status:** UNDER EVALUATION  
**Contact:** KIMBERLY GORDON, ODOT  
RESEARCH

**Comment:**  
BRIDGE PAINT SYSTEM CONSISTING  
OF WATSON AS 8100 PRIMER AND AS  
8106 TOPCOAT.

**Delete Date:** 10-27-99  
**Product Type:** TESTING AND CONSTRUCTION  
EQUIPMENT  
**Product Name:** PATCHMASTER  
**Manufacturer:** THERMAL POWER CORPORATION  
**Evaluator:** OKLAHOMA  
**File Number:** RD-9056  
**Status:** ACCEPTED  
**Contact:** ODOT RESEARCH

**Comment:**  
REPAIRS ASPHALT PAVEMENTS.  
FINAL REPORT AVAILABLE FROM  
ODOT RESEARCH.

<b>Delete Date:</b>	<b>10-27-99</b>	<b>Comment:</b>
<b>Product Type:</b>	<b>TESTING AND CONSTRUCTION EQUIPMENT</b>	<b>PORTABLE STEEL SHOT BLAST EQUIPMENT. CLEANS CONCRETE SURFACES. ALSO CLEANS RUST AND PAINT FROM STEEL SURFACES.</b>
<b>Product Name:</b>	<b>PORTA-BLAST</b>	
<b>Manufacturer:</b>	<b>NELCO MANUFACTURING CORP.</b>	
<b>Evaluator:</b>	<b>OKLAHOMA</b>	
<b>File Number:</b>	<b>RD-9055</b>	
<b>Status:</b>	<b>ACCEPTED</b>	
<b>Contact:</b>	<b>ODOT RESEARCH</b>	

<b>Delete Date:</b>	<b>10-27-99</b>	<b>Comment:</b>
<b>Product Type:</b>	<b>TESTING AND CONSTRUCTION EQUIPMENT</b>	<b>MEASURES MOISTURE AND DENSITY IN SOILS. ALSO MEASURES DENSITY OF ASPHALT.</b>
<b>Product Name:</b>	<b>NUCLEAR PORTAPROBE MODEL BR</b>	
<b>Manufacturer:</b>	<b>CAMPBELL PACIFIC NUCLEAR</b>	
<b>Evaluator:</b>	<b>OKLAHOMA</b>	
<b>File Number:</b>	<b>RD-9052</b>	
<b>Status:</b>	<b>ACCEPTED</b>	
<b>Contact:</b>	<b>ODOT RESEARCH</b>	

<b>Delete Date:</b>	<b>12-16-99</b>	<b>Comment:</b>
<b>Product Type:</b>	<b>TESTING AND CONSTRUCTION EQUIPMENT</b>	<b>COMPUTER SCANNING SYSTEM FOR REDUCTION OF PROFILOGRAPH TAPES.</b>
<b>Product Name:</b>	<b>PROSCAN</b>	
<b>Manufacturer:</b>	<b>DE VORE SYSTEMS, INC.</b>	
<b>Evaluator:</b>	<b>OKLAHOMA</b>	
<b>File Number:</b>	<b>RD-1014</b>	
<b>Status:</b>	<b>ACCEPTED</b>	
<b>Contact:</b>	<b>GARY WILLIAMS, ODOT RESEARCH</b>	

<b>Delete Date:</b>	<b>10-01-99</b>	<b>Comment:</b>
<b>Product Type:</b>	<b>WATERPROOFING MEMBRANES AND MATERIALS</b>	<b>PREFORMED WATERPROOF MEMBRANE.</b>
<b>Product Name:</b>	<b>POLYTOK</b>	
<b>Manufacturer:</b>	<b>CARBOLINE CO.</b>	
<b>Evaluator:</b>	<b>OKLAHOMA</b>	
<b>File Number:</b>	<b>RD-2031</b>	
<b>Status:</b>	<b>UNDER EVALUATION</b>	
<b>Contact:</b>	<b>ODOT RESEARCH</b>	

**Delete Date:** 10-27-99  
**Product Type:** WATERPROOFING MEMBRANES  
AND MATERIALS  
**Product Name:** CHEM-TRETE  
**Manufacturer:** DYNAMIT NOBEL  
**Evaluator:** OKLAHOMA  
**File Number:** RD-2326  
**Status:** ACCEPTED  
**Contact:** ODOT RESEARCH

**Comment:**  
PENETRATING CONCRETE SEALER.

**Delete Date:** 10-27-99  
**Product Type:** WATERPROOFING MEMBRANES  
AND MATERIALS  
**Product Name:** CHEM-TRETE "H"  
**Manufacturer:** DYNAMIT NOBEL  
**Evaluator:** OKLAHOMA  
**File Number:** RD-2331  
**Status:** NOT ACCEPTED  
**Contact:** ODOT RESEARCH

**Comment:**  
FAILED ODOT SPECIFICATION 701.12.

**Delete Date:** 10-27-99  
**Product Type:** WATERPROOFING MEMBRANES  
AND MATERIALS  
**Product Name:** XYPEX  
**Manufacturer:** XYPEX CHEMICALS LIMITED  
**Evaluator:** OKLAHOMA  
**File Number:** RD-2318  
**Status:** NOT ACCEPTED  
**Contact:** ODOT RESEARCH

**Comment:**  
FAILED ODOT SPECIFICATION 701.12.

**Delete Date:** 10-27-99  
**Product Type:** WATERPROOFING MEMBRANES  
AND MATERIALS  
**Product Name:** CP-700  
**Manufacturer:** CHEMICAL PRODUCTS  
DEVELOPMENT CORPORATION  
**Evaluator:** OKLAHOMA  
**File Number:** RD-2328  
**Status:** NOT ACCEPTED  
**Contact:** ODOT MATERIALS DIVISION

**Comment:**  
FAILED ODOT SPECIFICATION 701.12

**Delete Date:** 12-04-00  
**Product Type:** WATERPROOFING MEMBRANES  
AND MATERIALS  
**Product Name:** SIL-ACT SILANE  
**Manufacturer:** ADVANCED CHEMICAL  
TECHNOLOGIES  
**Evaluator:** OKLAHOMA  
**File Number:** RD-2333  
**Status:** ACCEPTED  
**Contact:** ODOT RESEARCH

**Comment:**  
PENETRATING HYDROPHOBIC  
SEALER.

**Delete Date:** 12-22-99  
**Product Type:** WATERPROOFING MEMBRANES  
AND MATERIALS  
**Product Name:** WACKER 290L (S)  
**Manufacturer:** WACKER CHEMIE GMBH  
**Evaluator:** OKLAHOMA  
**File Number:** RD-2332  
**Status:** NOT ACCEPTED  
**Contact:** ODOT RESEARCH

**Comment:**  
EXCEEDED CHLORIDE LIMITS AT THE  
ONE-SIXTEENTH TO ONE-HALF INCH  
DEPTHS.