

# LONG TERM PAVEMENT PERFORMANCE PROGRAM DIRECTIVE



For The Technical Direction Of The LTPP Program



Program Area: SPS

Directive Number: S-6

Date: February 1, 1994

Supersedes: Relative SHRP  
SPS-1 Documents

Subject: SPS-1 Construction Guidelines  
SPS-1 Materials Sampling and Testing Requirements

Attached are the December 1993 and January 1994 revisions to the subject SPS-1 documents. These documents were prepared and revised in accordance with comments received for the LTPP Regional Offices and others involved with the program. They contain clarification and expansion of the original documents but do not change the scope and concept of the original experiment.

Approved: Paul Teng

Date: 2/01/94

**NOTICE OF CHANGE(S) TO SHRP SPS REPORT**

<b>Report Title:</b> <b>Report Date:</b> <b>SHRP Operational Memo No.:</b>	Data Collection Guidelines for SPS-6 May 1991 SHRP-LTPP-OM-023
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<b>Change Number:</b> <b>Change Date:</b>	1 October 30, 1992	Page 1 of 1
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The following change should be incorporated in the document:

Construction Data Sheets (All Sheets)

The title and the numbering of the data sheets were revised to conform to the scheme used for the development of Construction Data Sheets for SPS-1 and SPS-2 experiments. The revised sheets 1 to 27 are attached.

Changes in the IMS will be implemented to incorporate the revisions.

SPS-6 CONSTRUCTION DATA SHEET 1 REFERENCE PROJECT STATION TABLE	* STATE CODE [ _ _ ] * SPS PROJECT CODE [ _ _ ] * TEST SECTION NO. [ <u>0</u> <u>0</u> ]
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ORDER	TEST SECTION ID NO (1)	REFERENCE PROJECT STATION NUMBER		(4) CUT-FILL <sup>1</sup>	
		(2) START	(3) END	TYPE	STATION
1	-----	-----+	-----+	---	---+
2	-----	-----+	-----+	---	---+
3	-----	-----+	-----+	---	---+
4	-----	-----+	-----+	---	---+
5	-----	-----+	-----+	---	---+
6	-----	-----+	-----+	---	---+
7	-----	-----+	-----+	---	---+
8	-----	-----+	-----+	---	---+
9	-----	-----+	-----+	---	---+
10	-----	-----+	-----+	---	---+
11	-----	-----+	-----+	---	---+
12	-----	-----+	-----+	---	---+
13	-----	-----+	-----+	---	---+
14	-----	-----+	-----+	---	---+
15	-----	-----+	-----+	---	---+
16	-----	-----+	-----+	---	---+
17	-----	-----+	-----+	---	---+
18	-----	-----+	-----+	---	---+
19	-----	-----+	-----+	---	---+
20	-----	-----+	-----+	---	---+

5 SPS - GPS TEST SECTION EQUALITIES  
 GPS section \_\_\_\_\_ is the same as SPS section \_\_\_\_\_  
 GPS section \_\_\_\_\_ is the same as SPS section \_\_\_\_\_

6. INTERSECTIONS BETWEEN TEST SECTION ON THE PROJECT

ROUTE	PROJECT STATION NO.	RAMPS		I --- INTERSECTION --- I		
		EXIT	ENT	STOP	SIGNAL	UNSIG
_____	-----+	---	---	---	---	---
_____	-----+	---	---	---	---	---
_____	-----+	---	---	---	---	---

Note 1. Indicate the type of subgrade section the test section is located on:  
 Cut ..... 1    Fill ..... 2    At-Grade ..... 3    Cut and Fill ..... 4  
 If cut-fill transition is located in a test section, enter test section station of the cut-fill transition location.

PREPARER \_\_\_\_\_ EMPLOYER \_\_\_\_\_ DATE \_\_\_\_\_

SPS-6 CONSTRUCTION DATA SHEET 2 REVISED LAYER DESCRIPTIONS	* STATE CODE [ __ __ ] * SPS PROJECT CODE [ __ __ ] * TEST SECTION NO. [ __ __ ]
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1. LAYER NUMBER	2. LAYER DESCRIPTION	3. MATERIAL TYPE CLASS	4. LAYER THICKNESSES (Inches)			
			AVERAGE	MINIMUM	MAXIMUM	STD. DEV.
1	SUBGRADE (7)	[ __ __ ]	\$\$\$\$\$\$\$\$\$\$	\$\$\$\$\$\$\$\$\$\$	\$\$\$\$\$\$\$\$\$\$	\$\$\$\$\$\$\$\$\$\$
2	[ __ __ ]	[ __ __ ]	[ . . . ]	\$ \$	\$ \$	\$ \$
3	[ __ __ ]	[ __ __ ]	[ . . . ]	. . .	. . .	. . .
4	[ __ __ ]	[ __ __ ]	[ . . . ]	. . .	. . .	. . .
5	[ __ __ ]	[ __ __ ]	[ . . . ]	. . .	. . .	. . .
6	[ __ __ ]	[ __ __ ]	[ . . . ]	. . .	. . .	. . .
7	[ __ __ ]	[ __ __ ]	[ . . . ]	. . .	. . .	. . .
8	[ __ __ ]	[ __ __ ]	[ . . . ]	. . .	. . .	. . .
9	[ __ __ ]	[ __ __ ]	[ . . . ]	. . .	. . .	. . .
10	[ __ __ ]	[ __ __ ]	[ . . . ]	. . .	. . .	. . .
11	[ __ __ ]	[ __ __ ]	[ . . . ]	. . .	. . .	. . .
12	[ __ __ ]	[ __ __ ]	[ . . . ]	. . .	. . .	. . .
13	[ __ __ ]	[ __ __ ]	[ . . . ]	. . .	. . .	. . .
14	[ __ __ ]	[ __ __ ]	[ . . . ]	. . .	. . .	. . .
15	[ __ __ ]	[ __ __ ]	[ . . . ]	. . .	. . .	. . .

**NOTES:**

- Layer 1 is subgrade soil, the highest numbered layer is the pavement surface.
- Layer description codes:
 

Overlay . . . . .	01	Base Layer . . . . .	05	Porous Friction Course . . . . .	09
Seal/Tack Coat w/overlay . . .	02	Subbase Layer . . . . .	06	Surface Treatment . . . . .	10
Original Surface . . . . .	03	Subgrade . . . . .	07	Embankment (Fill) . . . . .	11
HMAC Layer (Subsurface) . . .	04	Interlayer . . . . .	08		
- If milling was performed, the layers which were milled shall be assigned their previous layer number and material type. If the layer was completely removed by milling, it shall still be shown as a layer with a zero thickness.
- Enter the material type classification codes from Tables A.5, A.6, A.7 and A.8 which best describes the material in each layer. If the layer was milled, enter the material classification code corresponding to the type material which was removed.
- Enter the average thickness of each layer and the maximum, minimum, and standard deviation of the thickness measurements, if known. If a layer was partially milled, the remaining thickness of the layer shall be indicated.

October 1990 (Heading revised October 1992)

PREPARER \_\_\_\_\_ EMPLOYER \_\_\_\_\_ DATE \_\_\_\_\_

October 1990 (Heading revised October 1992)

SPS-6 CONSTRUCTION DATA SHEET 3 PRE-OVERLAY SURFACE PREPARATION SKETCH	* STATE CODE [ _ _ ] * SPS PROJECT CODE [ _ _ ] * TEST SECTION NO. [ _ _ ]
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PREPARER \_\_\_\_\_ EMPLOYER \_\_\_\_\_ DATE \_\_\_\_\_

SPS-6 CONSTRUCTION DATA SHEET 4 OVERLAY PLACEMENT OPERATIONS	* STATE CODE [__ __] * SPS PROJECT CODE [__ __] * TEST SECTION NO. [__ __]
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1. DATE SURFACE PREPARATION BEGAN (Month-Day-Year) [\_\_ - \_\_ - \_\_]
2. DATE SURFACE PREPARATION COMPLETED [\_\_ - \_\_ - \_\_]
  
3. SURFACE PREPARATION PRIOR TO PLACEMENT OF OVERLAY [\_\_]
  - None ..... 1      Broomed ..... 2      Broomed + Asphaltic Tack Coat ..... 3
  - Asphaltic Tack Coat (only) ..... 4
  
4. TACK COAT
  - Layer Numbers [\_\_] [\_\_]
  - Material Type      None ..... 1      SS-1 ..... 2      SS-1H ..... 3      CRS-1 ..... 4      [\_\_]
  - CRS-2 ..... 5      CMS-2 ..... 6      CMS-2H .. 7      CSS-1 ..... 8      CSS-1H ..... 9
  - Other ..... 10 (Specify) \_\_\_\_\_
5. TACK COAT DILUTION (Percent) [\_\_]
  - Mixing Rate      Parts Diluent \_\_\_\_\_ TO Parts Asphalt \_\_\_\_\_
6. TACK COAT APPLICATION RATE (Gal/Sq. Yd.) [\_\_ . \_\_]
  
7. ASPHALT CONCRETE PLANT AND HAUL
 

Type	Name	Haul Distance (Mi)	Time (Min)	Layer Numbers
Plant 1 [__]	_____	[__ __]	[__ __]	[__][__][__]
Plant 2 [__]	_____	[__ __]	[__ __]	[__][__][__]
Plant 3 [__]	_____	[__ __]	[__ __]	[__][__][__]

  - Plant Type: Batch ..... 1      Drum Mix ..... 2      Other ..... 3 Specify \_\_\_\_\_
  
8. MANUFACTURER OF ASPHALT CONCRETE PAVER \_\_\_\_\_
9. MODEL DESIGNATION OF ASPHALT CONCRETE PAVER \_\_\_\_\_
  
10. SINGLE PASS LAYDOWN WIDTH (Feet) [\_\_ . \_\_]
  
11. AC BINDER COURSE
  - Layer Number [\_\_ \_\_]
  - Nominal First Lift Placement Thickness - Uncompacted (Inches) [\_\_ . \_\_]
  - Nominal Second Lift Placement Thickness - Uncompacted (Inches) [\_\_ . \_\_]
12. AC SURFACE COURSE
  - Layer Number [\_\_ \_\_]
  - Nominal First Lift Placement Thickness - Uncompacted (Inches) [\_\_ . \_\_]
  - Nominal Second Lift Placement Thickness - Uncompacted (Inches) [\_\_ . \_\_]
13. SURFACE FRICTION COURSE
  - Layer Number [\_\_ \_\_]
  - Nominal Placement Thickness - Uncompacted (Inches) [\_\_ . \_\_]
14. TEST SECTION STATION OF TRANSVERSE JOINTS (within test section)
  - Binder Course [\_\_ + \_\_]
  - Surface Course [\_\_ + \_\_]
  - Surface Friction Course [\_\_ + \_\_]
15. LOCATION OF LONGITUDINAL SURFACE JOINT [\_\_]
  - Between lanes ..... 1      Within lane ..... 2      [\_\_ . \_\_]
  - (specify offset from outside edge of lane, in feet)
16. SIGNIFICANT EVENTS DURING CONSTRUCTION (disruptions, rain, equip. problems, etc.)

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PREPARER \_\_\_\_\_ EMPLOYER \_\_\_\_\_ DATE \_\_\_\_\_



	COMPACTION DATA	First Lift	Second Lift	Third Lift	Fourth Lift
27	FINAL Roller Code (A-Q)	—	—	—	—
28	Coverages	—	—	—	—
29	Air Temperature (°F)	—	—	—	—
30	Compacted Thickness (In)	—	—	—	—
31	Curing Period (Days)	—	—	—	—

PREPARER \_\_\_\_\_ EMPLOYER \_\_\_\_\_ DATE \_\_\_\_\_

SPS-6 CONSTRUCTION DATA SHEET 6 CONSTRUCTION QUALITY CONTROL MEASUREMENTS	* STATE CODE [____] * SPS PROJECT CODE [____] * TEST SECTION NO [____]
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1. DATE MEASUREMENTS BEGAN (Month-Day-Year) [\_\_\_\_ - \_\_\_\_ - \_\_\_\_]  
 2. DATE MEASUREMENTS COMPLETED [\_\_\_\_ - \_\_\_\_ - \_\_\_\_]

3. NUCLEAR DENSITY MEASUREMENTS

LAYER TYPE	Rut Level-Up	Mill Replacement	Binder Course	Surface Course	Surface Friction Layer
Measurement Method (A, B, C) <sup>1</sup>	—	—	—	—	—
Rod Depth (Inches)	—	—	—	—	—
Number of Measurements	—	—	—	—	—
Average (pcf)	—	—	—	—	—
Maximum (pcf)	—	—	—	—	—
Minimum (pcf)	—	—	—	—	—
Standard Deviation (pcf)	—	—	—	—	—
Layer Number	—	—	—	—	—

<sup>1</sup> Measurement Method      Backscatter ..... A      Direct Transmission ..... B      Air Gap ..... C

4. MANUFACTURER OF NUCLEAR DENSITY GAUGE \_\_\_\_\_

5. NUCLEAR DENSITY GAUGE MODEL NUMBER \_\_\_\_\_

6. NUCLEAR DENSITY GAUGE IDENTIFICATION NUMBER \_\_\_\_\_

7. NUCLEAR GAUGE COUNT RATE FOR STANDARDIZATION \_\_\_\_\_

8. PROFILOGRAPH MEASUREMENTS

Profile Index (Inches/Mile)      California ..... 1      Rainhart ..... 2      \_\_\_\_\_

Interpretation Method Manual ..... 1 Mechanical ..... 2 Computer ..... 3 \_\_\_\_\_  
Height of Blanking Band (Inches) \_\_\_\_\_ : \_\_\_\_\_  
Cutoff Height (Inches) \_\_\_\_\_ : \_\_\_\_\_

9. SURFACE PROFILE USED AS BASIS OF INCENTIVE PAYMENT? (YES, NO) \_\_\_\_\_

PREPARER \_\_\_\_\_ EMPLOYER \_\_\_\_\_ DATE \_\_\_\_\_

SPS-6 CONSTRUCTION DATA SHEET 7 LAYER THICKNESS MEASUREMENTS	* STATE CODE [____] * SPS PROJECT CODE [____] * TEST SECTION NO [____]
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1. DATE MEASUREMENTS BEGAN (Month-Day-Year) [\_\_\_\_ - \_\_\_\_ - \_\_\_\_]  
 2. DATE MEASUREMENTS COMPLETED [\_\_\_\_ - \_\_\_\_ - \_\_\_\_]

LAYER THICKNESS MEASUREMENTS (Inches) SHEET \_\_\_\_ OF \_\_\_\_

STATION NUMBER	OFFSET (Inches)	RUT LEVEL-UP	MILL REPLACEMENT	BINDER COURSE	SURFACE COURSE	SURFACE FRICTION
__ + ____	____ ____ ____ ____	____.____ ____.____ ____.____ ____.____	____.____ ____.____ ____.____ ____.____	____.____ ____.____ ____.____ ____.____	____.____ ____.____ ____.____ ____.____	____.____ ____.____ ____.____ ____.____
__ + ____	____ ____ ____ ____	____.____ ____.____ ____.____ ____.____	____.____ ____.____ ____.____ ____.____	____.____ ____.____ ____.____ ____.____	____.____ ____.____ ____.____ ____.____	____.____ ____.____ ____.____ ____.____
__ + ____	____ ____ ____ ____	____.____ ____.____ ____.____ ____.____	____.____ ____.____ ____.____ ____.____	____.____ ____.____ ____.____ ____.____	____.____ ____.____ ____.____ ____.____	____.____ ____.____ ____.____ ____.____
__ + ____	____ ____ ____ ____	____.____ ____.____ ____.____ ____.____	____.____ ____.____ ____.____ ____.____	____.____ ____.____ ____.____ ____.____	____.____ ____.____ ____.____ ____.____	____.____ ____.____ ____.____ ____.____
__ + ____	____ ____ ____ ____	____.____ ____.____ ____.____ ____.____	____.____ ____.____ ____.____ ____.____	____.____ ____.____ ____.____ ____.____	____.____ ____.____ ____.____ ____.____	____.____ ____.____ ____.____ ____.____
__ + ____	____ ____ ____ ____	____.____ ____.____ ____.____ ____.____	____.____ ____.____ ____.____ ____.____	____.____ ____.____ ____.____ ____.____	____.____ ____.____ ____.____ ____.____	____.____ ____.____ ____.____ ____.____
__ + ____	____ ____ ____ ____	____.____ ____.____ ____.____ ____.____	____.____ ____.____ ____.____ ____.____	____.____ ____.____ ____.____ ____.____	____.____ ____.____ ____.____ ____.____	____.____ ____.____ ____.____ ____.____
LAYER NUMBER	____ ____ ____ ____	____.____ ____.____ ____.____ ____.____	____.____ ____.____ ____.____ ____.____	____.____ ____.____ ____.____ ____.____	____.____ ____.____ ____.____ ____.____	____.____ ____.____ ____.____ ____.____

PREPARER \_\_\_\_\_ EMPLOYER \_\_\_\_\_ DATE \_\_\_\_\_



SPS-6 CONSTRUCTION DATA SHEET 9 PARTIAL DEPTH PATCHING FOR PAVEMENTS WITH PORTLAND CEMENT CONCRETE SURFACES	* STATE CODE [ ___ ] * SPS PROJECT CODE [ ___ ] * TEST SECTION NO [ ___ ]
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1. DATE PATCHING OPERATIONS BEGAN (Month-Day-Year) [ \_\_\_ - \_\_\_ - \_\_\_ ]
2. DATE PATCHING OPERATIONS COMPLETED [ \_\_\_ - \_\_\_ - \_\_\_ ]
3. PRIMARY DISTRESS OCCURRENCE PATCHED (code from Table A.22) [ \_\_\_ ]  
 Other (Specify) \_\_\_\_\_  
 \_\_\_\_\_
4. SECONDARY DISTRESS OCCURRENCE PATCHED (code from Table A.22) [ \_\_\_ ]  
 Other (Specify) \_\_\_\_\_  
 \_\_\_\_\_
5. PATCHES  
 Total Square Feet [ \_\_\_\_\_ . ]  
 Number [ \_\_\_ . ]  
 Average Depth, Inches [ \_\_\_ . ]
6. METHOD USED FOR PATCH BOUNDARY DETERMINATION \_\_\_\_\_  
 Visual ..... 1      Ball Peen Hammer, Steel Rod, Chain or Equivalent ..... 2  
 Delam-Tech ..... 3      Other (Specify) ..... 4 \_\_\_\_\_
7. METHOD USED TO CUT BOUNDARIES \_\_\_\_\_  
 Diamond Blade Saw ..... 1      Carbide Blade Saw ..... 2      None ..... 3      Air Hammer ..... 4  
 Cold Milling ..... 5      Other (Specify) ..... 6 \_\_\_\_\_
8. METHOD USED TO BREAK UP AND/OR REMOVE DETERIORATED CONCRETE  
 Jackhammer ..... 1      Cold Milling. ..2  
 Other (Specify) ..... 3 \_\_\_\_\_
9. METHOD FOR FINAL CLEANING OF PATCH AREA  
 None ..... 1      Sandblasting ..... 2      Waterblasting ..... 3  
 Other (Specify) ..... 4 \_\_\_\_\_

PREPARER \_\_\_\_\_ EMPLOYER \_\_\_\_\_ DATE \_\_\_\_\_

SPS-6 CONSTRUCTION DATA SHEET 10 PARTIAL DEPTH PATCHING FOR PAVEMENTS WITH PORTLAND CEMENT CONCRETE SURFACES, CONTINUED	* STATE CODE [ ___ ] * SPS PROJECT CODE [ ___ ] * TEST SECTION NO [ ___ ]
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1. PATCH MATERIAL USED [ \_\_\_ ]  
 Portland Cement Concrete ..... 1      Polymer Concrete ..... 2      Epoxy Mortar ..... 3  
 Other (Specify) ..... 5 \_\_\_\_\_
  
2. BONDING AGENT [ \_\_\_ ]  
 None ..... 1      Cement Grout ..... 2      Epoxy Resin ..... 3  
 Other (Specify) ..... 5 \_\_\_\_\_
  
3. MIXTURE DESIGN FOR PATCH MATERIAL, LB./CUBIC YARD  
 Coarse Aggregate [ \_\_\_\_\_ ]  
 Fine Aggregate [ \_\_\_\_\_ ]  
 Cement [ \_\_\_\_\_ ]  
 Water (Gallons/Cubic yd.) [ \_\_\_\_\_ ]
  
4. MAXIMUM SIZE OF COARSE AGGREGATE, INCHES \_\_\_\_\_
  
5. CEMENT TYPE USED [ \_\_\_ ]  
 (See Cement Type Codes, Tables A.11)
  
6. AIR CONTENT, PERCENT BY VOLUME  
 Mean [ \_\_\_ . \_\_\_ . ]  
 Range      Min [ \_\_\_ . \_\_\_ . ]  
                     Max [ \_\_\_ . \_\_\_ . ]
  
7. ADMIXTURES [ \_\_\_ ]  
 (See Cement Additive Codes, Table A.12) [ \_\_\_ ]
  
8. SLUMP, INCHES  
 Mean [ \_\_\_ . \_\_\_ . ]  
 Range      Min [ \_\_\_ . \_\_\_ . ]  
                     Max [ \_\_\_ . \_\_\_ . ]
  
9. COMPRESSIVE STRENGTH OF PATCH MATERIAL, PSI [ \_\_\_\_\_ ]  
 Curing Time, Days [ \_\_\_ ]  
 If Unavailable, and Other Strength Test Conducted,  
 Alternate Test [ \_\_\_\_\_ ]  
 Type of Loading [ \_\_\_\_\_ ]  
 Age, Days [ \_\_\_ \_\_\_ ];      Strength, PSI [ \_\_\_\_\_ ]

PREPARER \_\_\_\_\_ EMPLOYER \_\_\_\_\_ DATE \_\_\_\_\_

SPS-6 CONSTRUCTION DATA SHEET 11 PARTIAL DEPTH PATCHING FOR PAVEMENTS WITH PORTLAND CEMENT CONCRETE SURFACES, CONTINUED	* STATE CODE [ ___ ] * SPS PROJECT CODE [ ___ ] * TEST SECTION NO [ ___ ]
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1. CURING METHOD METHOD 1 [ \_\_\_ ]  
METHOD 2 [ \_\_\_ ]

None ..... 1      Membrane Curing Compound ..... 2      Burlap Curing Blankets ..... 3  
 Waterproof Paper Blankets ..... 4      White Polyethylene Sheeting ..... 5  
 Burlap-Polyethylene Blankets ..... 6      Insulating Layers ..... 7  
 Cotton Mat Curing ..... 8      Hay ..... 9  
 Other (Specify) ..... 10 \_\_\_\_\_

2. APPROXIMATE TIME BETWEEN PATCHING AND OPENING TO TRAFFIC. HOURS [ \_\_\_ ]

3. AMBIENT CONDITIONS AT TIME OF PATCHING LOW [ \_\_\_\_ . ]  
HIGH [ \_\_\_\_ . ]  
 Air Temperature °F [ \_\_\_ ]  
 Surface Moisture - Dry = 1, Wet = 2

4. METHOD OF CONSOLIDATING MATERIALS \_\_\_\_\_

Vibrators ..... 1      Vibrating Screeds ..... 2      Troweling ..... 3  
 Rodding/Tamping ..... 4      Rolling ..... 5  
 Other (Specify) ..... 6 \_\_\_\_\_

5. FINISHING METHOD \_\_\_\_\_

Screeding ..... 1      Hand-Troweling ..... 2      Machine-Troweling ..... 3  
 Other (Specify) ..... 4 \_\_\_\_\_

6. JOINT FORMING METHOD \_\_\_\_\_

Shoulder \_\_\_\_\_  
 Transverse \_\_\_\_\_  
 Longitudinal \_\_\_\_\_

None ..... 1      Polyethylene Strip Insert ..... 2      Styrofoam Insert ..... 3  
 Fiberboard Insert ..... 4      Sawing ..... 5      Forms ..... 6  
 Other (Specify) ..... 7 \_\_\_\_\_

PREPARER \_\_\_\_\_ EMPLOYER \_\_\_\_\_ DATE \_\_\_\_\_

SPS-6 CONSTRUCTION DATA SHEET 12 JOINT RESEALING DATA FOR PAVEMENTS WITH PORTLAND CEMENT CONCRETE SURFACES	* STATE CODE [ ___ ] * SPS PROJECT CODE [ ___ ] * TEST SECTION NO [ ___ ]
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1. DATE JOINT SEALANT OPERATIONS BEGAN (Month-Day-Year) [ \_\_\_ - \_\_\_ - \_\_\_ ]
2. DATE JOINT SEALANT OPERATIONS COMPLETED [ \_\_\_ - \_\_\_ - \_\_\_ ]
3. METHOD OF REMOVING OLD SEALANT [ \_\_\_ ]
  - Not Removed ..... 1      Joint Plow - V-Shaped ..... 2      Joint Plow - Rectangular ..... 3
  - High Pressure Water Blasting ..... 4      Diamond Blade Saw ..... 5
  - Carbide Blade Saw ..... 6      Pull-Out of Old Compression Sealant ..... 7
  - Not Previously Sealed ..... 8
  - Other (Specify) ..... 9 \_\_\_\_\_
4. NEW SEALANT RESERVOIR DIMENSIONS, INCHES
  - Width [ \_\_\_ . \_\_\_ ]
  - Depth (From Top of Slab to Top of Backer Rod or Tape) [ \_\_\_ . \_\_\_ ]
5. BOND BREAKER UNDER SEALANT [ \_\_\_ ]
  - None ..... 1      Nonreactive Adhesive Backed Tape ..... 2      Backer Rod ..... 3
  - Other (Specify) ..... 4 \_\_\_\_\_
6. WERE JOINT SIDEWALLS REFACED? \_\_\_\_\_
  - No ..... 1      Yes -One-Blade ..... 2      Yes -Two-Blade ..... 3
  - Other (Specify) ..... 4 \_\_\_\_\_
7. CLEANING OF SIDEWALLS [ \_\_\_ ]
  - None ..... 1      Air Blast ..... 2      Sand Blast ..... 3      Water Blast ..... 4
  - Other (Specify) ..... 4 \_\_\_\_\_

PREPARER \_\_\_\_\_ EMPLOYER \_\_\_\_\_ DATE \_\_\_\_\_

SPS-6 CONSTRUCTION DATA SHEET 13 JOINT RESEALING DATA FOR PAVEMENTS WITH PORTLAND CEMENT CONCRETE SURFACES, CONTINUED	* STATE CODE [ ___ ] * SPS PROJECT CODE [ ___ ] * TEST SECTION NO [ ___ ]
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1. TYPE OF CONTRACTION JOINT SEALANT [ \_\_\_ ]  
 (AASHTO OR ASTM SPECIFICATIONS)

- D1850 (ASTM) Concrete Joint Sealer. Cold-Application Type ..... 1
- DI190 (ASTM) -M173 (AASHTO) Concrete Joint Sealer. Hot-Poured Elastic Type ..... 2
- D3406 (ASTM) -M282 (AASHTO) Joint Sealants. Hot-Poured. Elastomeric-Type for PCC Pavements ..... 3
- D3405 (ASTM) -M301 (AASHTO) Joint Sealants. Hot-Poured for Concrete and Asphalt Pavements ..... 4
- D3542 (ASTM) Preformed Polychloroprene Elastomeric Joint Seals for Bridges ..... 5
- D2628 (ASTM) Preformed Polychloroprene Elastomeric Joint Seals for Concrete Pavements ..... 6
- Other (Describe -if Silicone Material is Used Federal Spec. TT-S-001543A,  
 Georgia D.O.T. Spec 833.06, or Equal Applies ..... 7

\_\_\_\_\_

\_\_\_\_\_

Manufacturer Information on Type of Pressure Relief Joint Sealant

Manufacturer Name [ \_\_\_\_\_ ]  
 Manufacturer Sealant Name [ \_\_\_\_\_ ]

2. AVERAGE DEPTH OF TOP OF SEALANT PLACEMENT  
 BELOW PAVEMENT SURFACE. INCHES [ \_ . \_ ]

3. ARE EXPANSION JOINTS SEALED DIFFERENTLY THAN CONTRACTION JOINTS? [ \_\_\_ ]  
 Yes ..... 1                      No ..... 2  
 If Yes. Enter the code from Item 1, or describe below [ \_\_\_ ]  
 Other [ \_\_\_\_\_ ]

\_\_\_\_\_ ]

4. TOTAL LINEAR FEET OF JOINTS SEALED  
 Transverse Joints [ \_\_\_\_\_ . \_\_\_ ]  
 Longitudinal Joints [ \_\_\_\_\_ . \_\_\_ ]

NOTE: IF DIFFERENT MATERIALS OR METHODS ARE USED REPEAT SHEETS 15 AND 16 FOR EACH RECORDING THEIR LENGTHS IN ITEM NO.4.

PREPARER \_\_\_\_\_ EMPLOYER \_\_\_\_\_ DATE \_\_\_\_\_

SPS-6 CONSTRUCTION DATA SHEET 14 CRACK SEALING DATA FOR PAVEMENTS WITH PORTLAND CEMENT CONCRETE SURFACES	* STATE CODE [ __ ] * SPS PROJECT CODE [ __ ] * TEST SECTION NO [ __ ]
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1. DATE CRACK SEALING OPERATIONS BEGAN (Month-Day- Year) [ \_\_ - \_\_ - \_\_ ]
2. DATE CRACK SEALING OPERATIONS COMPLETED [ \_\_ - \_\_ - \_\_ ]
3. NEW SEALANT RESERVOIR DIMENSIONS, INCHES, If Used  
 Width  
 Depth (From Top of Slab to Top of Backer Rod or Tape) [ \_\_ . \_\_ ]
4. BOND BREAKER UNDER SEALANT, If Used [ \_\_ ]  
 None ..... 1      Nonreactive Adhesive Backed Tape ..... 2      Backer Rod ..... 3  
 Other (Specify) ..... 4 \_\_\_\_\_
5. CLEANING OF CRACKS \_\_\_\_\_  
 None ..... 1      Routing ..... 2      Air Blast ..... 3      Steel Wire Brush ..... 4  
 Brooming ..... 5      Other (Specify) ..... 4 \_\_\_\_\_

PREPARER \_\_\_\_\_ EMPLOYER \_\_\_\_\_ DATE \_\_\_\_\_

SPS-6 CONSTRUCTION DATA SHEET 15 CRACK SEALING DATA FOR PAVEMENTS WITH PORTLAND CEMENT CONCRETE SURFACES, CONTINUED	* STATE CODE [ ___ ] * SPS PROJECT CODE [ ___ ] * TEST SECTION NO [ ___ ]
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1. TYPE OF SEALANT [ \_\_\_ ]  
 (AASHTO OR ASTM SPECIFICATIONS)
- D1850 (ASTM) Concrete Joint Sealer, Cold-Application Type ..... 1
  - DI190 (ASTM) -M173 (AASHTO) Concrete Joint Sealer, Hot-Poured Elastic Type ..... 2
  - D3406 (ASTM) -M282 (AASHTO) Joint Sealants, Hot-Poured, Elastomeric-Type, for PCC Pavements ..... 3
  - D3405 (ASTM) -M301 (AASHTO) Joint Sealants, Hot-Poured for Concrete and Asphalt Pavements ..... 4
  - D3542 (ASTM) Preformed Polychloroprene Elastomeric Joint Seals for Bridges ..... 5
  - D2628 (ASTM) Preformed Polychloroprene Elastomeric Joint Seals for Concrete Pavements ..... 6
  - Other (Describe -if Silicone Material is Used Federal Spec. TT-S-001543A,  
 Georgia D.O.T. Spec 833.06, or Equal Applies ..... 7

Manufacturer Information on Type of Pressure Relief Crack Sealant

Manufacturer Name [ \_\_\_\_\_ ]  
 Manufacturer Sealant Name [ \_\_\_\_\_ ]

2. AVERAGE DEPTH OF TOP OF SEALANT PLACEMENT  
 Below Pavement Surface, Inches [ \_\_\_ . \_\_\_ ]

3. TOTAL LINEAR FEET OF CRACKS SEALED [ \_\_\_\_\_ . \_\_\_ ]

NOTE: IF DIFFERENT MATERIALS OR METHODS ARE USED REPEAT SHEETS 17 AND 18 FOR EACH RECORDING THEIR LENGTHS IN ITEM NO.3.

PREPARER \_\_\_\_\_ EMPLOYER \_\_\_\_\_ DATE \_\_\_\_\_

SPS-6 CONSTRUCTION DATA SHEET 16 DIAMOND GRINDING FOR PORTLAND CEMENT CONCRETE SURFACES	* STATE CODE [ __ ] * SPS PROJECT CODE [ __ ] * TEST SECTION NO [ __ ]
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1. DATE DIAMOND GRINDING OPERATIONS BEGAN (Month-Day-Year) [ \_\_ - \_\_ - \_\_ ]
2. DATE DIAMOND GRINDING OPERATIONS COMPLETED [ \_\_ - \_\_ - \_\_ ]
3. REASON FOR GRINDING [ \_\_ ]
  - Elimination of Faulting ..... 1    Elimination of Slab Warping ..... 2
  - Improve Skid Resistance ..... 3
  - Restoration of Transverse Drainage Slope ..... 4
  - Other (Specify) ..... 5 \_\_\_\_\_
4. AVERAGE DEPTH OF CUT, INCHES [ \_\_ . \_\_ ]
5. CUTTING HEAD WIDTH, INCHES \_\_\_\_\_ . \_\_\_\_
6. AVERAGE GROOVE WIDTH, INCHES \_\_\_\_\_ . \_\_\_\_
7. AVERAGE SPACING BETWEEN BLADES, INCHES \_\_\_\_\_ . \_\_\_\_

PREPARER \_\_\_\_\_ EMPLOYER \_\_\_\_\_ DATE \_\_\_\_\_

SPS-6 CONSTRUCTION DATA SHEET 17 FULL DEPTH REPAIR DATA FOR PAVEMENTS WITH PORTLAND CEMENT CONCRETE SURFACES	* STATE CODE [ ___ ] * SPS PROJECT CODE [ ___ ] * TEST SECTION NO [ ___ ]
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1. DATE PATCHING OPERATIONS BEGAN (Month-Day-Year) [ \_\_\_ - \_\_\_ - \_\_\_ ]
2. DATE PATCHING OPERATIONS COMPLETED [ \_\_\_ - \_\_\_ - \_\_\_ ]
3. PRIMARY DISTRESS OCCURRENCE PATCHED OR REPLACED WITH NEW SLAB [ \_\_\_ ]  
 (See Table A.22 for Type Codes)  
 Other (Specify) \_\_\_\_\_
4. SECONDARY DISTRESS OCCURRENCE PATCHED OR REPLACED WITH NEW SLAB \_\_\_  
 (See Table A.22 for Type Codes)  
 Other (Specify) \_\_\_\_\_
5. PATCHES  

	NUMBER	SQ. FEET
SLAB ONLY	[ ___ ]	[ _____ ]
SLAB AND BASE	[ ___ ]	[ _____ ]
6. PATCH MATERIAL USED [ \_\_\_ ]  
 Portland Cement Concrete ..... 1      Polymer Concrete ..... 2      Epoxy Mortar ..... 4  
 Other (Specify) ..... 5 \_\_\_\_\_
7. SLABS REPLACED  

	NUMBER	SQ. FEET
SLAB ONLY	[ ___ ]	[ _____ ]
SLAB AND BASE	[ ___ ]	[ _____ ]
8. METHOD FOR PATCH BOUNDARY DETERMINATION \_\_\_\_\_  
 Visual ..... 1      Coring ..... 2      Deflection ..... 3  
 State Standard or Specification ..... 4  
 Other (Specify) ..... 5 \_\_\_\_\_
9. CUTTING INSTRUMENT \_\_\_\_\_  
 Diamond Blade Saw ..... 1      Carbide Blade Saw ..... 2      Wheel Saw ..... 3  
 Air Hammer ..... 4  
 Other (Specify) ..... 5 \_\_\_\_\_

PREPARER \_\_\_\_\_ EMPLOYER \_\_\_\_\_ DATE \_\_\_\_\_

SPS-6 CONSTRUCTION DATA SHEET 18 FULL DEPTH REPAIR DATA FOR PAVEMENTS WITH PORTLAND CEMENT CONCRETE SURFACES, CONTINUED	* STATE CODE [ ___ ] * SPS PROJECT CODE [ ___ ] * TEST SECTION NO [ ___ ]
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1. SECURING LOAD TRANSFER DEVICES [ \_\_\_ ]  
 None ..... 1      Grout Filler ..... 2      Epoxy filler ..... 3  
 Other ..... 4 \_\_\_\_\_

2. REINFORCING STEEL PLACED IN PATCH [ \_\_\_ ]  
 No ..... 1      Yes ..... 2

TEMPERATURE STEEL  
Transverse    Longitudinal

3. REBAR NUMBER [ \_\_\_ ] [ \_\_\_ ]  
 4. BAR LENGTHS, INCHES [ \_\_\_ . \_\_\_ ] [ \_\_\_ . \_\_\_ ]  
 5. BAR SPACING, INCHES [ \_\_\_ . \_\_\_ ] [ \_\_\_ . \_\_\_ ]

Dowel Bars      Tie Bars

6. REBAR NUMBER [ \_\_\_ ] [ \_\_\_ ]  
 7. BAR LENGTHS, INCHES [ \_\_\_ . \_\_\_ ] [ \_\_\_ . \_\_\_ ]  
 8. BAR SPACING, INCHES [ \_\_\_ . \_\_\_ ] [ \_\_\_ . \_\_\_ ]

9. DOWEL COATINGS [ \_\_\_ ]  
 None ..... 1      Paint and/or Grease ..... 2      Plastic ..... 3  
 Monel ..... 4      Stainless Steel ..... 5      Epoxy ..... 6  
 Other (Specify) ..... 7 \_\_\_\_\_

10. NUMBER OF SAW CUTS PER PATCH (If Sawed) \_\_\_\_\_

11. DEPTH OF TYPICAL BOUNDARY SAW CUT, INCHES \_\_\_\_\_ . \_\_\_\_\_

12. CONCRETE BREAKUP \_\_\_\_\_  
 None ..... 1      Pneumatic Air Hammer ..... 2      Gravity Drop Hammer ..... 3  
 Sawing ..... 4  
 Other (Specify) ..... 5 \_\_\_\_\_

13. REMOVAL OF CONCRETE \_\_\_\_\_  
 Concrete Breakup and Cleanout ..... 1      Lift Out Intact Slab Section ..... 2  
 Other (Specify) ..... 3 \_\_\_\_\_

PREPARER \_\_\_\_\_ EMPLOYER \_\_\_\_\_ DATE \_\_\_\_\_

SPS-6 CONSTRUCTION DATA SHEET 19 FULL DEPTH REPAIR DATA FOR PAVEMENTS WITH PORTLAND CEMENT CONCRETE SURFACES, CONTINUED	* STATE CODE [ ___ ] * SPS PROJECT CODE [ ___ ] * TEST SECTION NO [ ___ ]
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1. METHOD OF REINFORCING STEEL PLACEMENT [ \_\_\_ ]  
 Chairs ..... 1      Between Layers of Concrete ..... 2
  
2. MIXTURE DESIGN FOR PATCH MATERIAL, LB./CUBIC YARD  
 Coarse Aggregate [ \_\_\_\_\_ . ]  
 Fine Aggregate [ \_\_\_\_\_ . ]  
 Cement [ \_\_\_\_\_ . ]  
 Water (Gallons/Cubic Yard) [ \_\_\_\_\_ . ]
  
3. CEMENT TYPE USED [ \_\_\_ ]  
 (See Type Codes, Tables A.11)
  
4. AIR CONTENT, PERCENT BY VOLUME  
 Mean [ \_\_\_\_\_ . ]  
 Range [ \_\_\_\_\_ . ] to [ \_\_\_\_\_ . ]
  
5. ADMIXTURES [ \_\_\_ ]  
 (See Cement Additive Codes, Table A.12) [ \_\_\_ ]
  
6. SLUMP, INCHES  
 Mean [ \_\_\_\_\_ . ]  
 Range [ \_\_\_\_\_ . ] to [ \_\_\_\_\_ . ]
  
7. FLEXURAL STRENGTH (MODULUS OF RUPTURE), PSI [ \_\_\_\_\_ . ]  
 (Based on 3rd Point Loading) Curing Time, Days [ \_\_\_ ]  
 If Unavailable, and Other Strength Test Conducted,  
 Enter Alternate Test [ \_\_\_\_\_ ]  
 Type of Loading [ \_\_\_\_\_ ]  
 Age, Days [ \_\_\_ ];      Strength, PSI [ \_\_\_\_\_ . ]
  
8. AMBIENT CONDITIONS AT TIME OF PATCHING      LOW [ \_\_\_\_\_ . ]  
 Air Temperature °F      HIGH [ \_\_\_\_\_ . ]  
 Surface Moisture - Dry = 1, Wet = 2 [ \_\_\_ ]
  
9. MAXIMUM SIZE OF COARSE AGGREGATE, INCHES      \_\_\_\_\_ . \_\_\_\_\_
  
10. CONSOLIDATION OF MATERIALS  
 Internal Vibrators ..... 1      Vibrating Screeds ..... 2      Troweling ..... 3  
 Rolling ..... 4      Tamping ..... 5  
 Other (Specify) ..... 6 \_\_\_\_\_
  
12. FINISHING  
 Screeding ..... 1      Hand-Troweling ..... 2      Machine-Troweling ..... 3  
 Other (Specify) ..... 4 \_\_\_\_\_

PREPARER \_\_\_\_\_ EMPLOYER \_\_\_\_\_ DATE \_\_\_\_\_



SPS-6 CONSTRUCTION DATA SHEET 21 LOAD TRANSFER RESTORATION DATA FOR PAVEMENTS WITH PORTLAND CEMENT CONCRETE SURFACES	* STATE CODE [ ___ ] * SPS PROJECT CODE [ ___ ] * TEST SECTION NO [ ___ ]
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1. DATE LOAD TRANSFER RESTORATION BEGAN (Month-Day-Year) [ \_\_\_ - \_\_\_ - \_\_\_ ]
2. DATE LOAD TRANSFER RESTORATION COMPLETED [ \_\_\_ - \_\_\_ - \_\_\_ ]
3. NUMBER OF JOINTS IN TEST SECTION [ \_\_\_ ]
4. NUMBER OF JOINT LOAD TRANSFER RESTORATION LOCATIONS [ \_\_\_ ]
5. NUMBER OF DEVICES PER JOINT [ \_\_\_ ]
6. LOCATION OF DOWELS OR SHEAR DEVICES (INCHES)
 

	1st [ ___ . ]
	2nd [ ___ . ]
	3rd [ ___ . ]
	4th [ ___ . ]
	5th [ ___ . ]
	6th [ ___ . ]
	7th [ ___ . ]
	8th [ ___ . ]
	9th [ ___ . ]
	10th [ ___ . ]
	11th [ ___ . ]
	12th [ ___ . ]
	13th [ ___ . ]
	14th [ ___ . ]

(DISTANCE FROM THE OUTER  
LANE EDGE TO THE CENTER  
OF EACH DEVICE)
7. DIAMETER OF RETROFIT DOWEL BARS, INCHES [ \_\_\_ . \_\_\_ ]
8. MATERIAL USED TO BACKFILL SLOT/CORE HOLE [ \_\_\_ ]
 

Cement Based Grout ..... 1      Polymer Concrete ..... 2  
 Epoxy Resin Grout ..... 3  
 Other (Specify) ..... 4 \_\_\_\_\_
9. BONDING AGENT USED BETWEEN EXISTING PCC AND BACKFILL MATERIAL [ \_\_\_ ]
 

None ..... 1      Epoxy ..... 2      Cement/Water ..... 3  
 Other (Specify) ..... 4 \_\_\_\_\_

PREPARER \_\_\_\_\_ EMPLOYER \_\_\_\_\_ DATE \_\_\_\_\_

SPS-6 CONSTRUCTION DATA SHEET 22 LOAD TRANSFER RESTORATION DATA FOR PAVEMENTS WITH PORTLAND CEMENT CONCRETE SURFACES, CONTINUED	* STATE CODE [__-__] * SPS PROJECT CODE [__-__] * TEST SECTION NO [__-__]
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1. LOAD TRANSFER EFFICIENCY BEFORE AND AFTER RESTORATION

POINT DISTANCE (FEET)	LOAD TRANSFER EFFICIENCY (%)			
	BEFORE RESTORATION		AFTER RESTORATION	
	<u>APPROACH</u>	<u>LEAVE</u>	<u>APPROACH</u>	<u>LEAVE</u>
[__-__-__-__ .]	[____.]	[____.]	[____.]	[____.]
[__-__-__-__ .]	[____.]	[____.]	[____.]	[____.]
[__-__-__-__ .]	[____.]	[____.]	[____.]	[____.]
[__-__-__-__ .]	[____.]	[____.]	[____.]	[____.]
[__-__-__-__ .]	[____.]	[____.]	[____.]	[____.]
[__-__-__-__ .]	[____.]	[____.]	[____.]	[____.]
[__-__-__-__ .]	[____.]	[____.]	[____.]	[____.]
[__-__-__-__ .]	[____.]	[____.]	[____.]	[____.]
[__-__-__-__ .]	[____.]	[____.]	[____.]	[____.]
[__-__-__-__ .]	[____.]	[____.]	[____.]	[____.]

2. DATE OF LOAD TRANSFER EFFICIENCY TESTS  
 BEFORE RESTORATION (Month-Day-Year)  
 AFTER RESTORATION

[\_\_-\_\_-\_\_-\_\_]  
 [\_\_-\_\_-\_\_-\_\_]

PREPARER \_\_\_\_\_ EMPLOYER \_\_\_\_\_ DATE \_\_\_\_\_

SPS-6 CONSTRUCTION DATA SHEET 23 UNDERSEALING DATA FOR PAVEMENTS WITH PORTLAND CEMENT CONCRETE SURFACES	* STATE CODE [ __ ] * SPS PROJECT CODE [ __ ] * TEST SECTION NO [ __ ]
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1. DATE UNDERSEALING BEGAN (Month-Day-Year) [ \_\_ - \_\_ - \_\_ ]
2. DATE UNDERSEALING COMPLETED [ \_\_ - \_\_ - \_\_ ]
3. TYPE OF MIXTURE USED IN SUBSEALING [ \_\_ ]
- Cement-Loam Top Soil Slurry ..... 1      Cement-Limestone Dust Slurry ..... 2  
 Cement-Pozzolan Slurry ..... 3              Cement-Fine Sand Slurry ..... 4  
 Other (Specify) ..... 6 \_\_\_\_\_

MIX DESIGN OF PORTLAND CEMENT GROUT (Items 4. to 8.)

4. CEMENT TYPE (SEE CEMENT TYPE CODES, TABLE A.11) [ \_\_ ]
5. CEMENT TO SAND RATIO (BY WEIGHT) [ \_\_ . \_\_ ]
6. WATER/CEMENT RATIO (BY WEIGHT) [ \_\_ . \_\_ ]
7. ADDITIVE TYPE (SEE TABLE A.12) [ \_\_ ]
8. AMOUNT OF ADDITIVE (BY PERCENT OF CEMENT WEIGHT) [ \_\_ . \_\_ ]
9. FLUIDITY OF PORTLAND CEMENT GROUT [ \_\_ . \_\_ ]  
 (Flow Cone Method ASTM C939) (SEC)
10. CUBE COMPRESSIVE STRENGTH OF PORTLAND CEMENT GROUT, psi \_\_\_\_\_
11. CURING PERIOD FOR PORTLAND CEMENT GROUT (DAYS) \_\_\_\_\_
12. DETERMINATION OF AREA TO BE UNDERSEALED [ \_\_ ]
- Blanket Coverage ..... 1      Deflection Data ..... 2  
 Visual Signs of Pumping ..... 3  
 Other (Specify) ..... 4 \_\_\_\_\_

PREPARER \_\_\_\_\_ EMPLOYER \_\_\_\_\_ DATE \_\_\_\_\_



SPS-6 CONSTRUCTION DATA SHEET 25 SUBDRAINAGE RETROFIT FOR PAVEMENTS WITH PORTLAND CEMENT CONCRETE SURFACES	* STATE CODE [ ___ ] * SPS PROJECT CODE [ ___ ] * TEST SECTION NO [ ___ ]
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1. DATE SUBDRAINAGE PLACEMENT BEGAN (Month-Day-Year) [ \_\_\_ - \_\_\_ - \_\_\_ ]
2. DATE SUBDRAINAGE PLACEMENT COMPLETED [ \_\_\_ - \_\_\_ - \_\_\_ ]
3. TYPE OF DRAINAGE PIPE [ \_\_\_ ]
  - Clay Tile ..... 1      Concrete Tile ..... 2      Vitrified Clay ..... 3
  - Perforated Plastic Bituminous Fiber ..... 4      Perforated Corrugated Metal ..... 5
  - Corrugated Plastic Tubing ..... 6      Drainage Mat ..... 7
  - Other (Specify) ..... 8 \_\_\_\_\_
4. DIAMETER OF PIPE (INCHES) [ \_\_\_ . \_\_\_ ]
5. DEPTH OF PIPE BELOW TOP OF PAVEMENT SURFACE (INCHES) [ \_\_\_ . \_\_\_ ]
6. HORIZONTAL PLACEMENT OF PIPE FROM OUTER EDGE OF PAVEMENT (INCHES) [ \_\_\_ . \_\_\_ ]
7. TYPE OF PRIMARY FILTER USED [ \_\_\_ ]
  - Graded Aggregate ..... 1      Uniformly Graded Aggregate (One Size) ..... 2
  - Woven Fabric ..... 3      Non-Woven Fabric ..... 4      Porous PCC ..... 5
  - Porous Bituminous Concrete ..... 6
  - Other (Specify) ..... 7 \_\_\_\_\_
8. MAXIMUM PARTICLE SIZE OF PRIMARY FILTER MATERIAL (INCHES) [ \_\_\_ . \_\_\_ ]
9. GRADATION OF PRIMARY FILTER MATERIAL
 

% Passing #4 Sieve	[ ___ . ___ ]	% Passing #40 Sieve	[ ___ . ___ ]
% Passing #10 Sieve	[ ___ . ___ ]	% Passing #100 Sieve	[ ___ . ___ ]
10. PERMEABILITY OF PRIMARY FILTER MATERIAL (FT/DAY) \_\_\_\_\_
11. TYPE AND LOCATION OF SECONDARY FILTER MATERIAL [ \_\_\_ ]
  - Fabric Encapsulating the Primary Filter Material ..... 1
  - Fabric Encapsulating the Drainage Pipe ..... 2
  - Other (Specify) ..... 3 \_\_\_\_\_
12. AVERAGE OUTLET INTERVAL (FEET) [ \_\_\_ . \_\_\_ ]
13. PRIMARY PURPOSE OF SUBDRAINAGE INSTALLATION [ \_\_\_ ]
  - Remove Free Water From Pavement Layers ..... 1
  - Cut Off Side-Hill/Through Hill Seepage ..... 2
  - Lower Water Table ..... 3
  - Other (Specify) ..... 4 \_\_\_\_\_

PREPARER \_\_\_\_\_ EMPLOYER \_\_\_\_\_ DATE \_\_\_\_\_

SPS-6 CONSTRUCTION DATA SHEET 26 CRACK/BREAK AND SEAT DATA FOR PAVEMENTS WITH PORTLAND CEMENT CONCRETE SURFACES	* STATE CODE [ __ ] * SPS PROJECT CODE [ __ ] * TEST SECTION NO [ __ ]
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1. DATE CRACK/BREAK AND SEAT OPERATION BEGAN (Month-Day-Year) [ \_\_ - \_\_ - \_\_ ]
2. DATE CRACK/BREAK AND SEAT OPERATION COMPLETED [ \_\_ - \_\_ - \_\_ ]
3. AVERAGE PCC BREAKAGE SIZE (INCHES)
  - Width [ \_\_ . ]
  - Length [ \_\_ . ]
4. PAVEMENT BREAKER PASSES/LANE [ \_\_ . ]
5. PAVEMENT BREAKER TYPE [ \_\_ ]
  - Pile Driver Hammer ..... 2      Guillotine Drop Hammer ..... 4
  - Other (Specify) ..... 7 \_\_\_\_\_
6. SEATING ROLLER WEIGHT (TONS) [ \_\_ . ]
7. NUMBER OF SEATING ROLLER PASSES/LANE [ \_\_ . ]
8. DEFLECTION MEASUREMENTS TAKEN
  - Yes ..... 1      No ..... 2
  - Before Breaking [ \_\_ ]
  - After Breaking (Prior to Seating) [ \_\_ ]
  - After Seating (Prior to Overlay) [ \_\_ ]
  - After Overlay [ \_\_ ]
9. BROKEN PAVEMENT SURFACE PREPARATION [ \_\_ ]
  - None ..... 1      Sweeping ..... 2      Tack Coat ..... 3      Leveling Course ..... 4
  - Full Depth Repair of Failed Areas ..... 5
  - Other (Specify) ..... 6 \_\_\_\_\_

PREPARER \_\_\_\_\_ EMPLOYER \_\_\_\_\_ DATE \_\_\_\_\_

SPS-6 CONSTRUCTION DATA SHEET 27 SAW AND SEAL DATA FOR PORTLAND CEMENT CONCRETE SURFACES WITH ASPHALT CONCRETE OVERLAYS	* STATE CODE [__ __] * SPS PROJECT CODE [__ __] * TEST SECTION NO [__ __]
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1. DATE SAW AND SEAL OPERATION BEGAN (Month-Day- Year) [ \_\_ - \_\_ - \_\_ ]
2. DATE SAW AND SEAL OPERATION COMPLETED [ \_\_ - \_\_ - \_\_ ]
3. NUMBER OF JOINTS SAWED [ \_\_ . ]
4. NUMBER OF DAYS AFTER PLACEMENT OF OVERLAY BEFORE SAWING AND SEALING OPERATION BEGAN [ \_\_ . ]
5. AVERAGE EXTENT OF SAW CUT INTO SHOULDER, INCHES [ \_\_ . ]
6. AVERAGE DEPTH OF SAW CUT, INCHES [ . ]
7. AVERAGE WIDTH OF SAW CUT, INCHES [ . ]
8. AVERAGE SHAPE FACTOR OF JOINT [ . ]

PREPARER \_\_\_\_\_ EMPLOYER \_\_\_\_\_ DATE \_\_\_\_\_