Del SPS-1

PAVEMENT
MANAGEMENT
SYSTEMS

March 27, 1995
50451010-13.08.1

Mr. C. Wayne Kling
Chief of Materials and Research
Delaware Department of Transportation
P.O. Box 778
Dover, Delaware 19903

RE: Updated Materials Sampling and Testing Plans SPS-1, US 113, SBL

Dear Mr. Kling:

In a March 7 telephone conversation with Bob Radish, he confirmed that the sequence of test sections laid out in the contract would not be changed to that suggested by the Contractor. As well, updates to the materials sampling and testing guidelines necessitate changes. Please discard all previous materials sampling and testing plans and use the enclosed updated figures and tables dated March 1995.

The enclosures are as follows:-

	SPS-1 Delaware Design Schematic	1 page
	Field Materials Sampling and Testing for Layers 1, 2, 3, 4, 6	5 pages
	Sampling and Testing Locations for each layer, Sections 1-12, 59, 60	14 pages
Table 1	Layout and Structure of Test Sections	2 pages
Table 2	Project Material Codes	1 page
Table 3	Samples to be used for Laboratory Testing	4 pages
Tables 4, 4A	Scope of Material Sampling, Samples for the Materials Reference Library	2 pages
Table 5	Scope of Field Testing	1 page
Tables 6, 6A	Tracking Table for Subgrade Testing, State and FHWA Contractor Laboratories	2 pages
Tables 7, 7A	Tracking Table for Testing of Embankment, State and FHWA Contractor Laboratories	2 pages
Tables 8, 8A	Tracking Tables for Testing of Unbound Granular, State and FHWA Contractor Laboratories	2 pages

415 LAWRENCE BELL DRIVE
UNIT #3
AMHERST, N Y 14221
TEL (716) 632-0804
FAX (716) 632-4808

Table 9	Tracking Table for Testing of Permeable Asphalt Treated Base	1 page
Tables 10, 10A	Tracking Tables for Testing of Asphalt Treated Base and Binder, State and FHWA Contractor Laboratories	2 pages
Tables 11, 11A	Tracking Tables for Testing of Asphalt Concrete Surface and Binder, State and FHWA Contractor Laboratories	5 pages

The DE DOT Dover Laboratory is identified in the LTPP program as Laboratory No. 1021. The FHWA Contractor Laboratory, Law Engineering, Atlanta, GA is Laboratory No. 1311.

Shipments of material samples to Law Engineering, Atlanta, GA, are to be pre-paid. Shipping of containers from and material samples to the Materials Reference Library (MRL) in Reno, is by arrangement with Nichols Consulting in Reno.

The NA Regional Coordination office will have a member of it's staff, Mr. Alex Rutka, on site during construction operations working with Mr. Bob Radish to collect the required sampling data and construction information.

Your assistance in disseminating these updated plans to appropriate laboratory and field staff will be much appreciated.

Yours Sincerely,

William A. Phang

William A. Phang
Program Manger
Pavement Management Systems Limited

WAP/tf

enclosure

C.C. I.J. Pecnik, RE, NARO, w/enclosure
A. Rutka, NARO, w/enclosure
G. Rada, PCS/Law, w/enclosure
M. Symons, FHWA, w/enclosure
B. Radish, NC DOT, w/enclosure

FHWA-LTPP SPS-1 DELAWARE DESIGN SCHEMATIC

STRUCTURE FACTORS FOR FLEXIBLE PAVEMENTS

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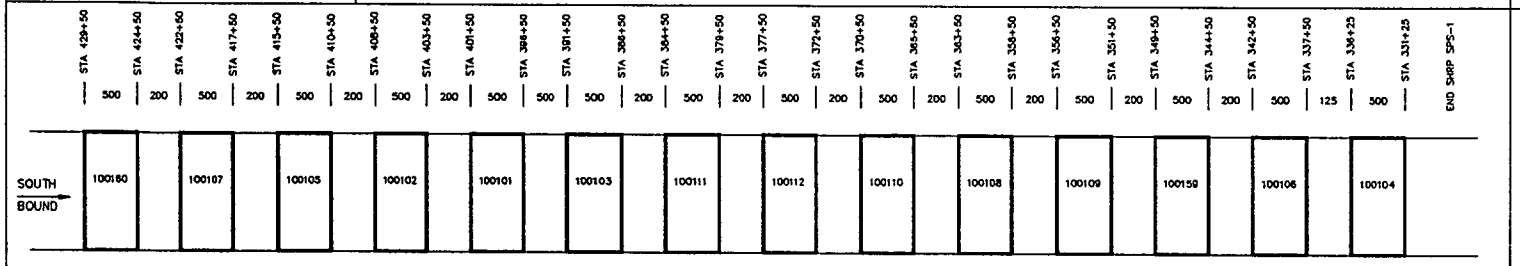

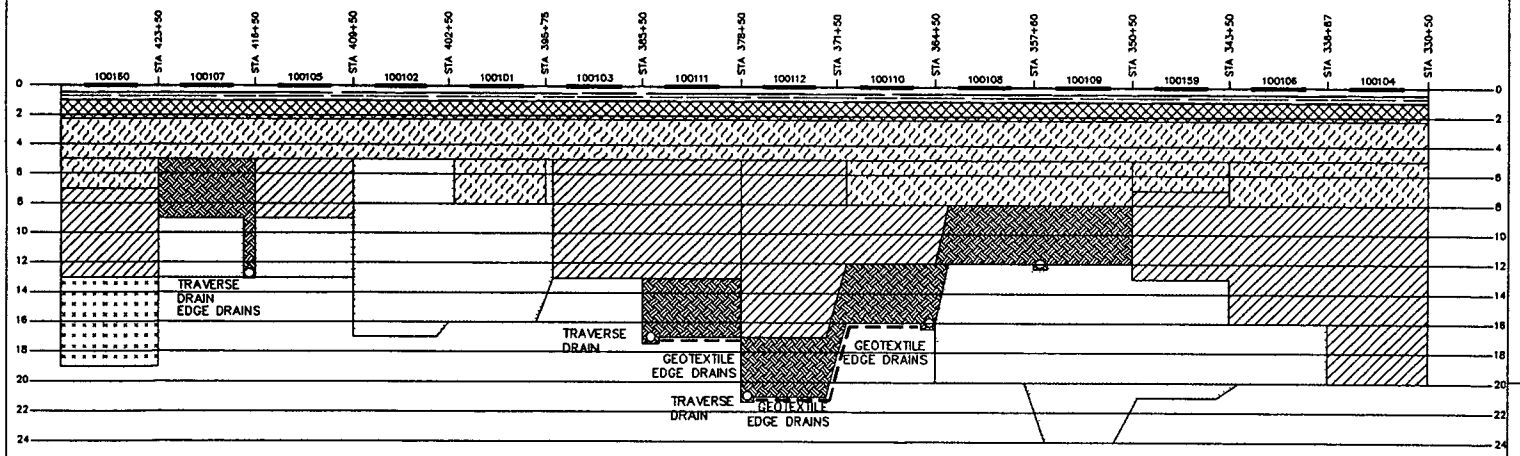

LEGEND

- OG- OPEN GRADED FRICTION COURSE (J)
- AC-C – HOT MIX SURFACE COURSE (H)
- AC-B – HOT MIX BINDER COURSE (G)
- BCBC – BITUMINOUS BASE COURSE (F)
- PATB – PERMEABLE ASPHALT TREATED BASE (E)
- CASB – COAL ASH STABILIZED BASE COURSE (D)
- GABC – DENSE GRADED AGGREGATE BASE COURSE, TYPE B (C)
- EMB – EMBANKMENT FILL APPROX 12" (B)
- SS – NATURAL SUBGRADE SOIL (A)

SPS-1
US 113 DUALIZATION, SBL
ELLENDALE, DE

PLOTDATE: MAR 24/96

SPS-1-1AE

SHRP SPS-1 TEST SECTIONS ONLY DRAWING NOT INTENDED TO BE USED FOR CONSTRUCTION PURPOSES

STRATEGIC HIGHWAY RESEARCH PROGRAM NORTH ATLANTIC REGION

FHWA–LTPP SPS–1 DELAWARE SAMPLING PLAN
STRUCTURAL FACTORS FOR FLEXIBLE PAVEMENTS

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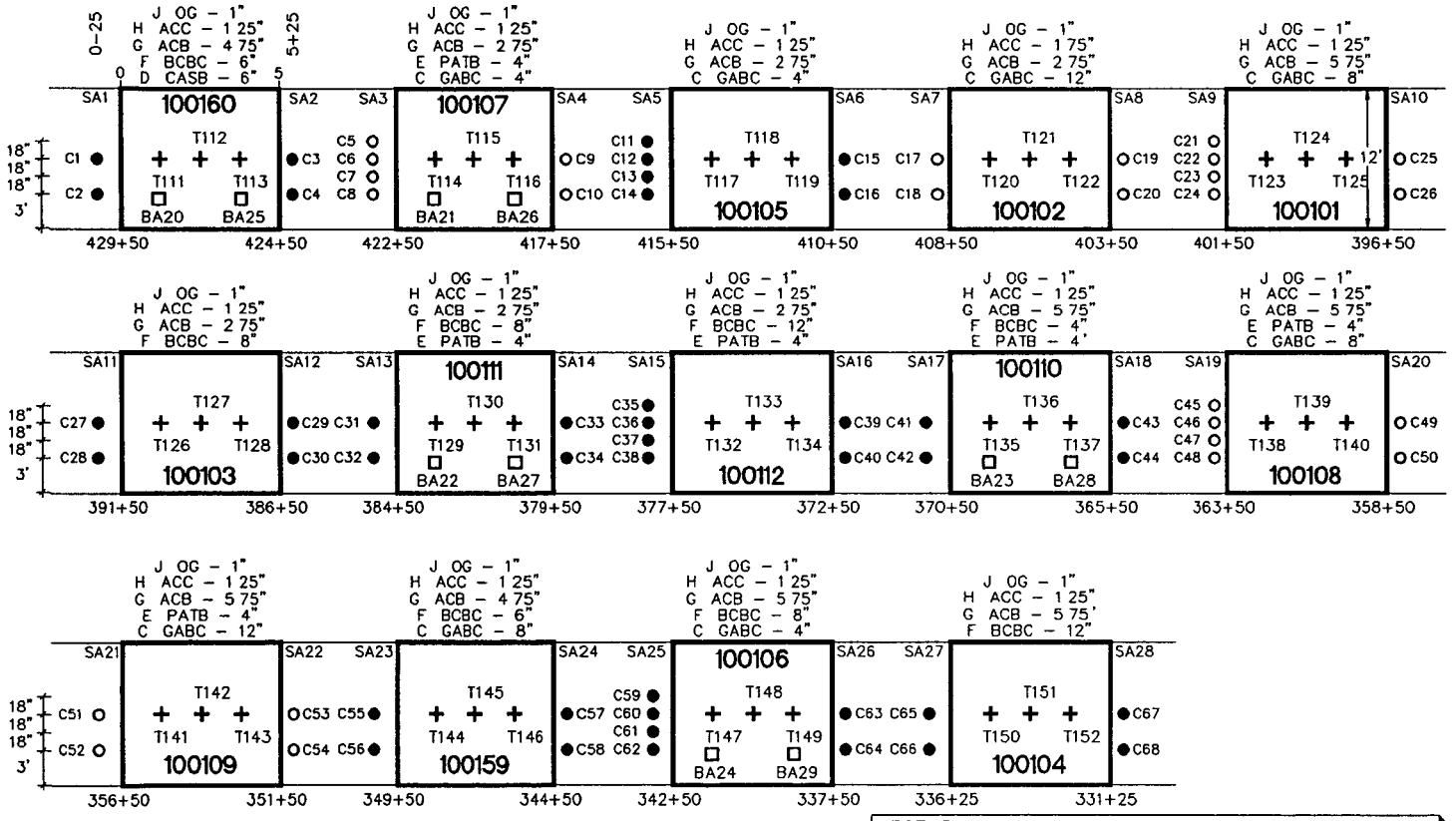
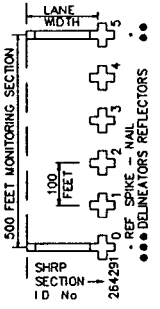


LEGEND

- ○ 4" O D CORE OF ASPHALT CONCRETE SURFACE (C5–C10 C17–C26,C45–C54)
- ● 4" O D CORE OF ASPHALT CONCRETE SURFACE AND TREATED BASE (C1–C4, C11–C16 C27–C44 C55–C68)
- □ BULK SAMPLE OF ASPHALT CONCRETE SURFACE MIXES FROM PAVER (BA20–BA29) AND ASPHALT BINDER FROM TANKER (B24–B26)
- ✚ LOCATION OF NUCLEAR DENSITY TESTING (T111–T152)

TYPICAL SITE SIGNING & MARKING



ROAD TEST

SPS–1
US 113 DUALIZATION, SBL
ELLENDALE, DE

PLOTDATE MAR 24/95

SPS–1–6E

FHWA SPS–1 TEST SECTIONS ONLY
DIMENSIONAL DETAILS ONLY
DRAWING NOT TO SCALE

FIELD MATERIALS SAMPLING AND TESTING - ASPHALT CONCRETE SURFACE - LAYER 6

SPS–1–6E

FHWA–LTPP SPS–1 DELAWARE SAMPLING PLAN
STRUCTURAL FACTORS FOR FLEXIBLE PAVEMENTS

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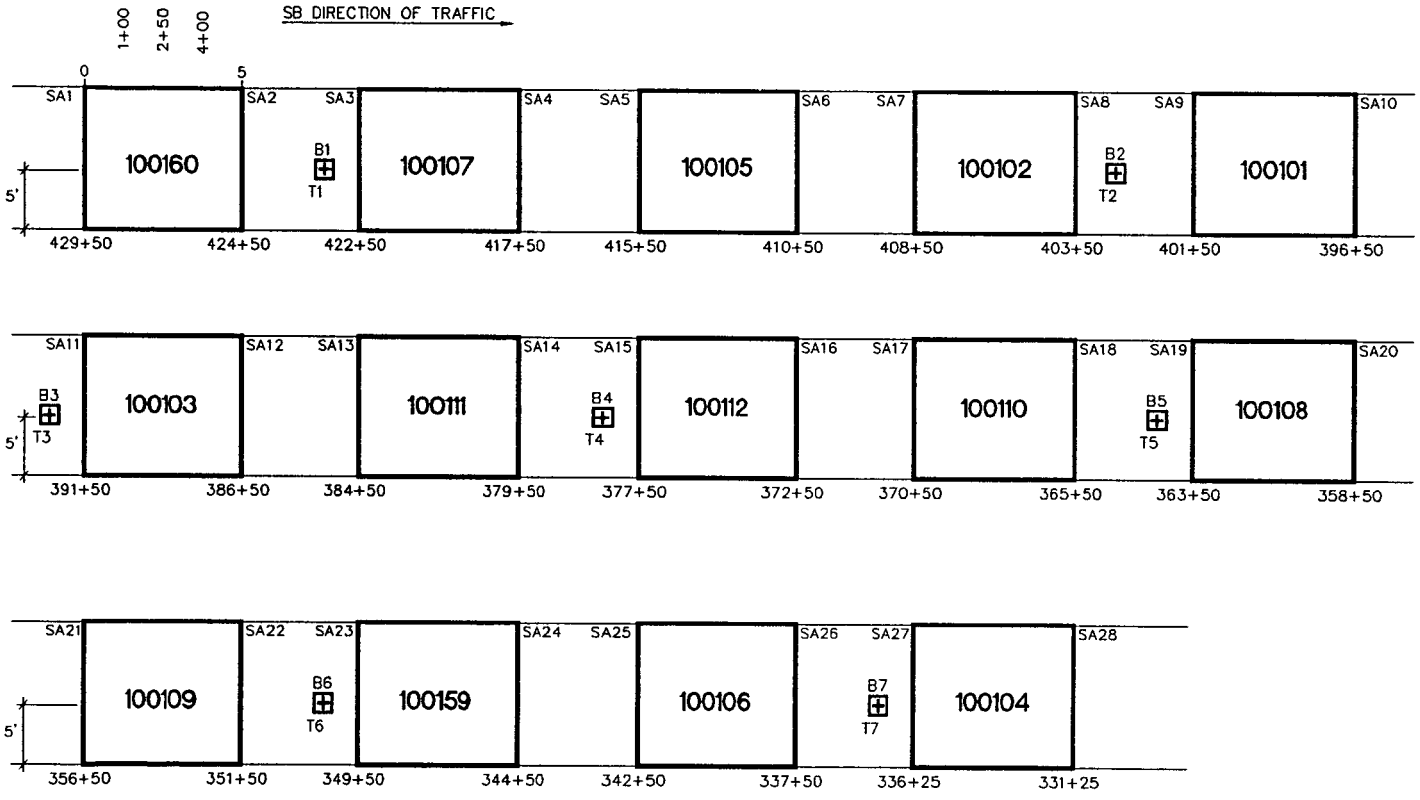
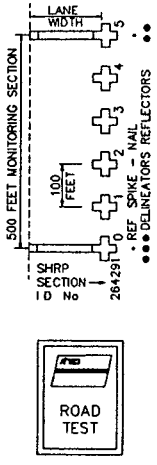


LEGEND

- ☐ 2 x2 BULK SAMPLING LOCATION (B1–B7)BELOW 12" OF EMBANKMENT FILL
- + LOCATION OF NUCLEAR DENSITY/MOISTURE TESTS (T1–T7)

TYPICAL SITE SIGNING & MARKING



FIELD MATERIALS SAMPLING AND TESTING – SUBGRADE, LAYER 1

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US 113 DUALIZATION, SBL
ELLENDALE, DE

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SPS–1–1E

FHWA SPS–1 TEST SECTIONS ONLY
DIMENSIONAL DETAILS ONLY
DRAWING NOT TO SCALE

SPS–1–1E

FHWA–LTPP SPS–1 DELAWARE SAMPLING PLAN
STRUCTURAL FACTORS FOR FLEXIBLE PAVEMENTS

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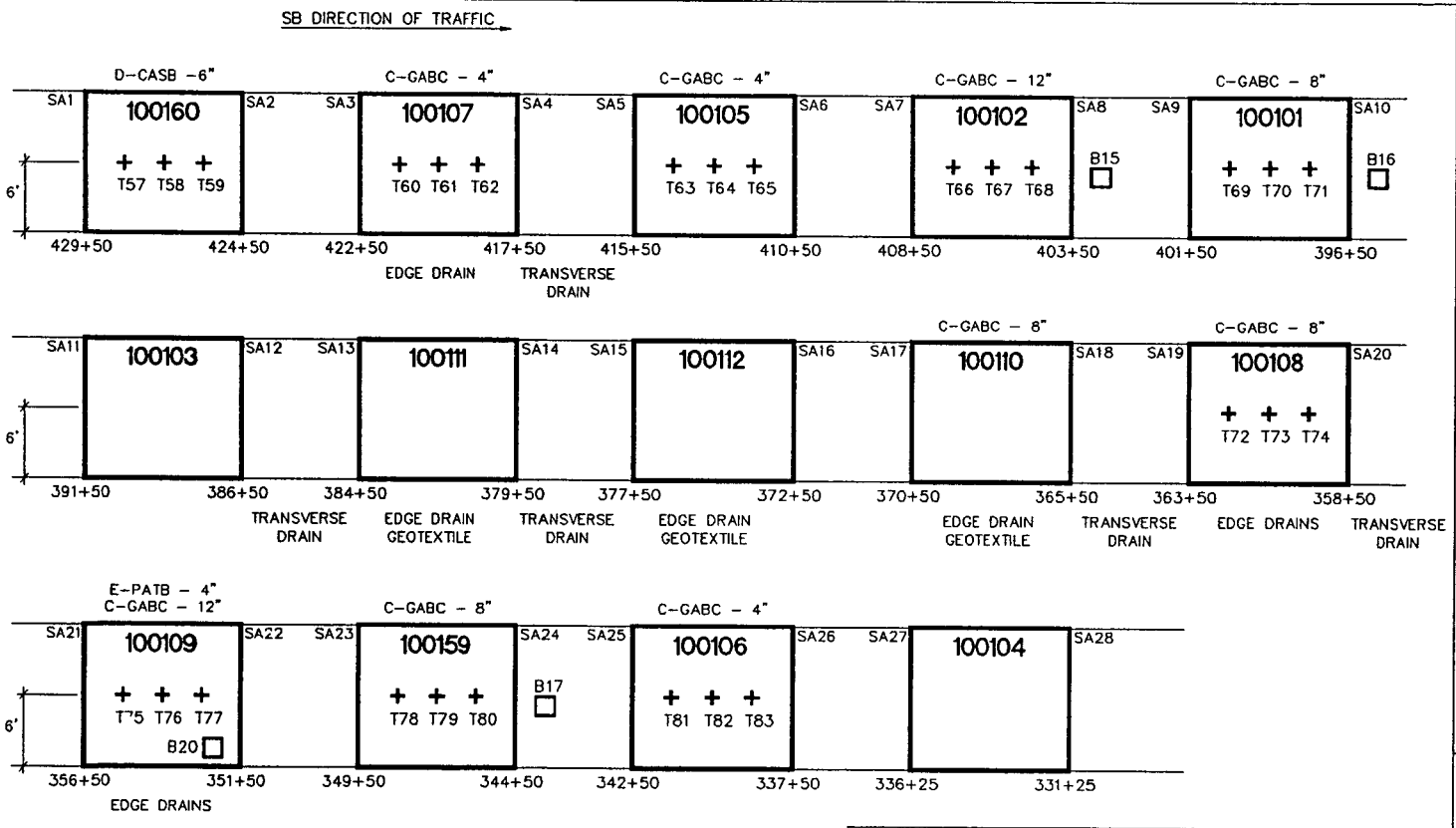
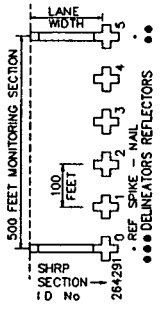


LEGEND
- ☐ BULK SAMPLES OF UNCOMPACTED GABC (B15–B17) AND OF PATB FROM PAVER (B20)
- + LOCATION OF NUCLEAR DENSITY/MOISTURE TESTING (T57–T83)

TYPICAL SITE SIGNING & MARKING



ROAD TEST

FIELD MATERIALS SAMPLING AND TESTING - DENSE GRADED AGGREGATE BASE, LAYER 3 and PERMEABLE ASPHALT TREATED BASE, LAYER 4

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ELLENDALE, DE

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SPS–1–2E

FHWA SPS–1 TEST SECTIONS ONLY
DIMENSIONAL DETAILS ONLY
DRAWING NOT TO SCALE

SPS–1–2E

FHWA-LTPP SPS-1 DELAWARE SAMPLING PLAN
STRUCTURAL FACTORS FOR FLEXIBLE PAVEMENTS

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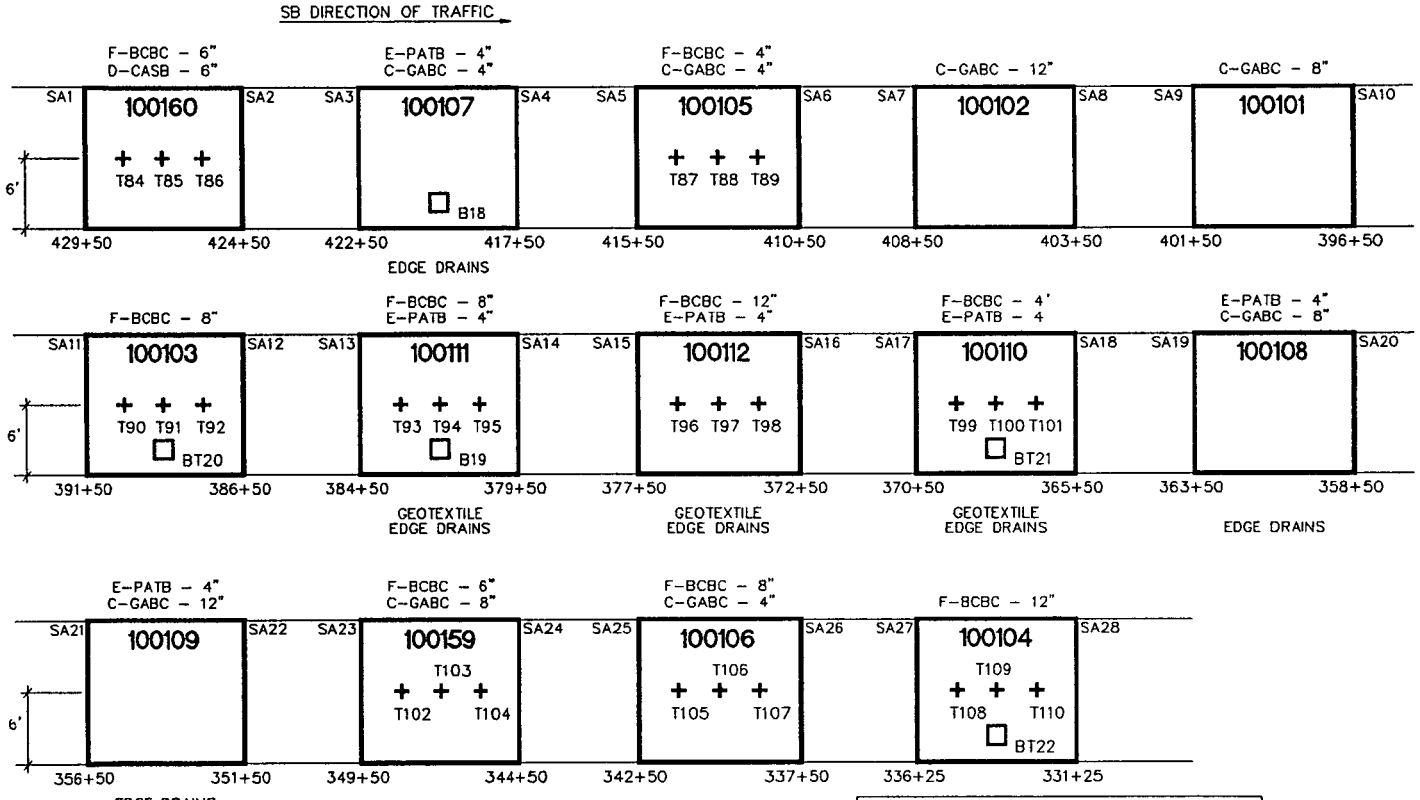
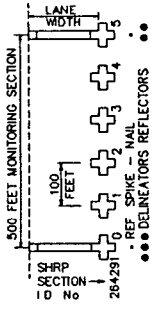


LEGEND

- ☐ BULK SAMPLES OF BCBC FROM PAVER (BT20-BT22) AND OF PATB FROM PAVER (B18 B19) AND OF AC FROM TANKER (B21-B23)
- + LOCATION OF NUCLEAR DENSITY TESTING (T84-T110)

TYPICAL SITE SIGNING & MARKING



FIELD MATERIALS SAMPLING AND TESTING - BITUMINOUS BASE COURSE, LAYER 3/4 and PERMEABLE ASPHALT TREATED BASE, LAYER 3/4

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US 113 DUALIZATION, SBL
ELLENDALE, DE

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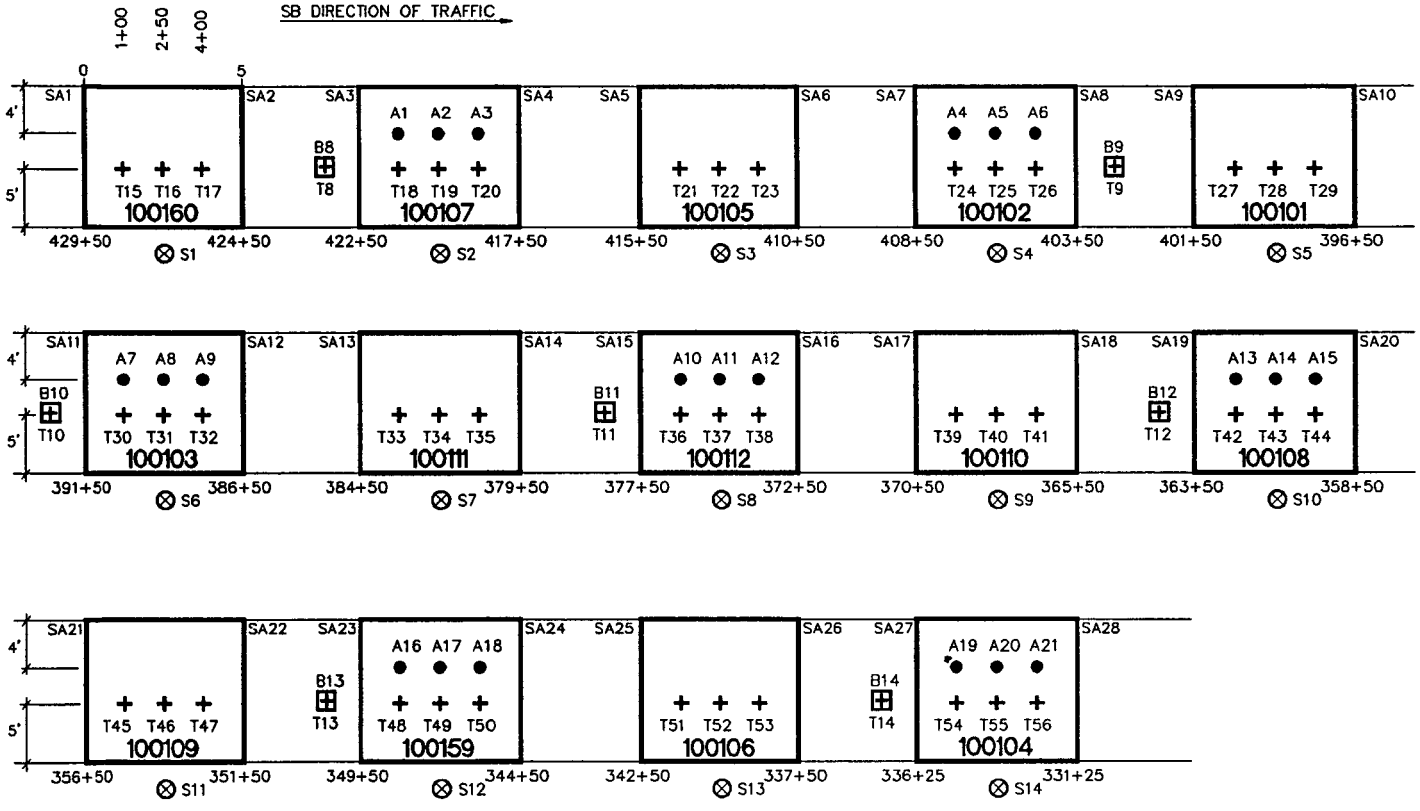
SPS-1-3E

FHWA SPS-1 TEST SECTIONS ONLY
DIMENSIONAL DETAILS ONLY
DRAWING NOT TO SCALE

SPS-1-3E

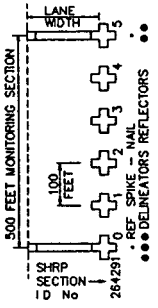
FHWA–LTPP SPS–1 DELAWARE SAMPLING PLAN
STRUCTURAL FACTORS FOR FLEXIBLE PAVEMENTS

PAVEMENT MANAGEMENT SYSTEMS LIMITED



LEGEND
- ● SHELBY TUBE/SPLIT SPOON SAMPLING TO 4' BELOW TOP OF EMBANKMENT (A1–A21)
- + LOCATION OF NUCLEAR DENSITY/MOISTURE TESTS (T8–T56)
- ☐ 2 x2' BULK SAMPLING LOCATION (B8–B14) TOP 12" OF EMBANKMENT FILL
- ⊗ SHOULDER AUGER PROBE (S1–S14)

TYPICAL SITE SIGNING & MARKING



ROAD TEST

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SPS–1–5E

FHWA SPS–1 TEST SECTIONS ONLY
DIMENSIONAL DETAILS ONLY
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FIELD MATERIALS SAMPLING AND TESTING - EMBANKMENT FILL, LAYER 2

SPS–1–5E

FHWA–LTPP SPS–1 DELAWARE SAMPLING PLAN
STRUCTURAL FACTORS FOR FLEXIBLE PAVEMENTS

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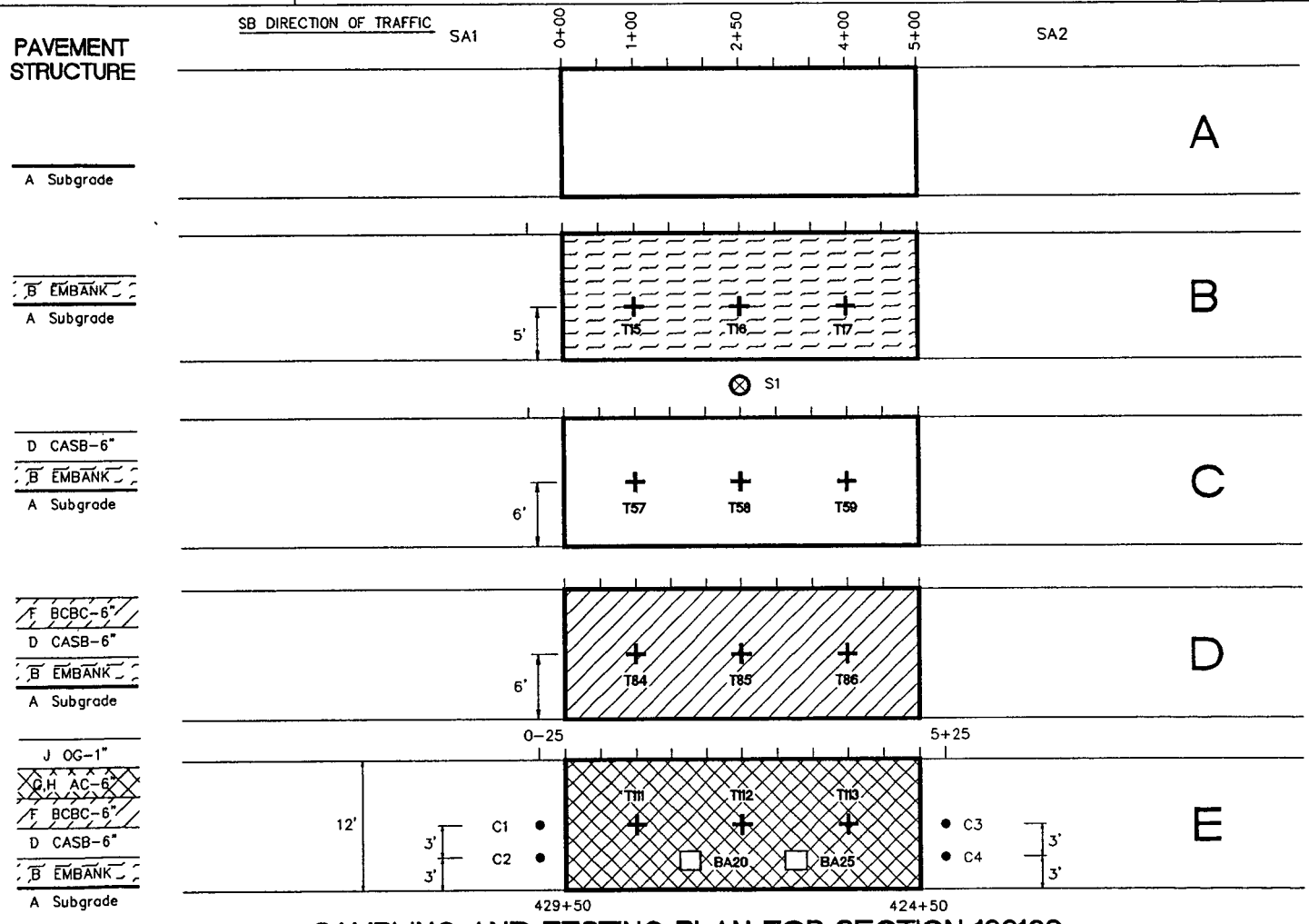
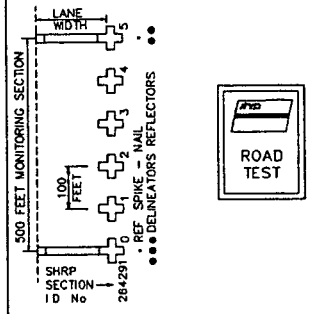


SAMPLING AND TESTING PLAN FOR SECTION 100160

TYPICAL SITE SIGNING & MARKING



A
B + NUCLEAR DENSITY/MOISTURE TESTING (T15–T17)
⊗ SHOULDER PROBE (S1)
C + NUCLEAR DENSITY/MOISTURE TESTING (T57–T59)
D + NUCLEAR DENSITY TESTING (T84–T86)
E ● 4" O D CORES OF AC SURFACE AND TREATED BASE (C1–C4)
+ NUCLEAR DENSITY TESTING (T111–T113)
□ PAVER SAMPLES (BA20,BA25)

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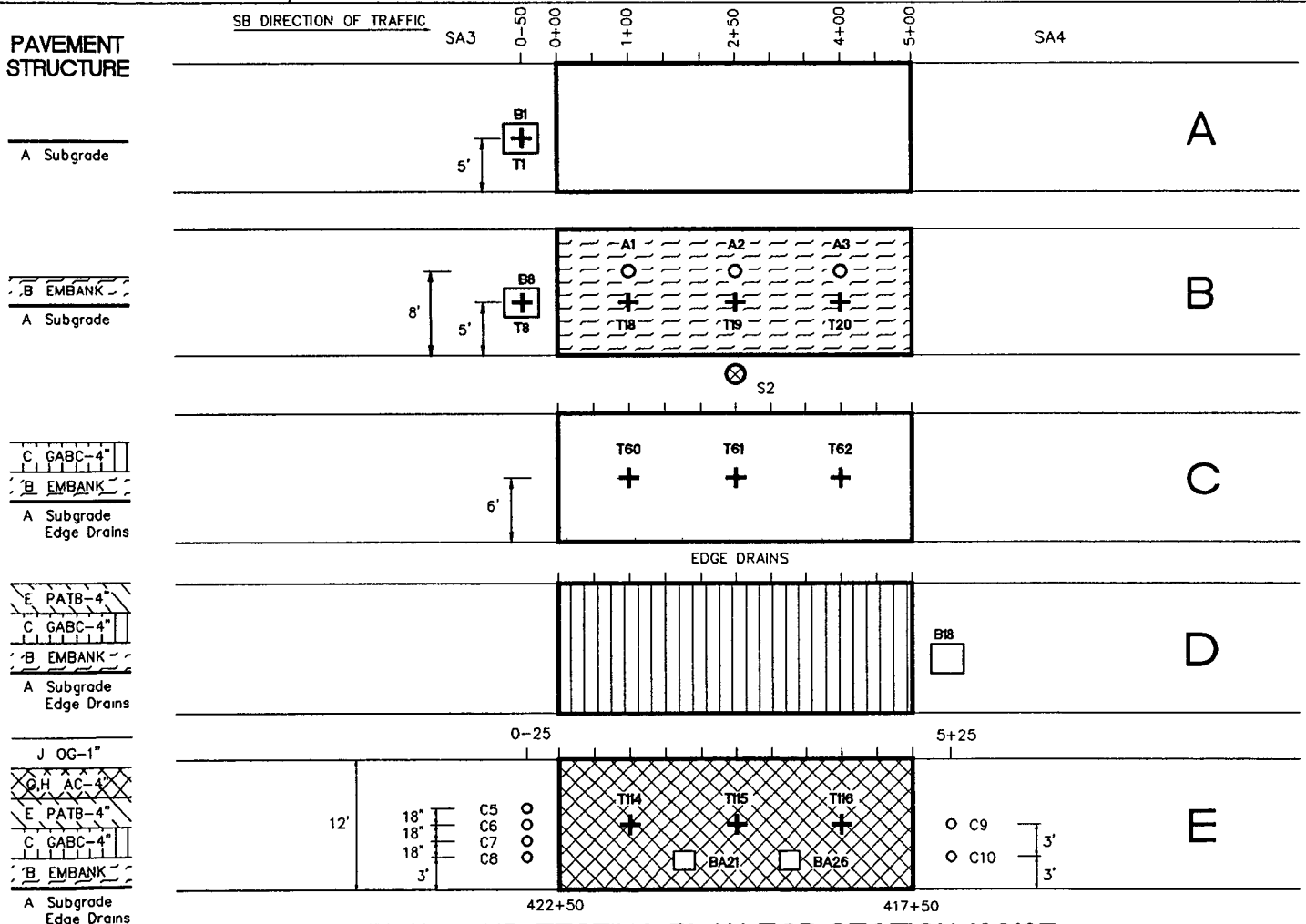
FHWA SPS–2 TEST SECTIONS ONLY
DIMENSIONAL DETAILS ONLY
DRAWING NOT TO SCALE

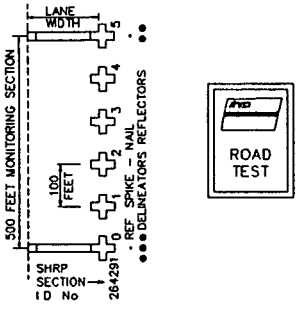
FHWA–LTPP SPS–1 DELAWARE SAMPLING PLAN
STRUCTURAL FACTORS FOR FLEXIBLE PAVEMENTS

PAVEMENT MANAGEMENT SYSTEMS LIMITED



SAMPLING AND TESTING PLAN FOR SECTION 100107

TYPICAL SITE SIGNING & MARKING



A + NUCLEAR DENSITY/MOISTURE TESTING (T1)

□ BULK SUBGRADE SAMPLE (B1)

B + NUCLEAR DENSITY/MOISTURE TESTING (T8,T18–T20)

⊗ SHOULDER PROBE (S2)

○ SHELBY TUBE SAMPLES (A1–A3)

□ BULK SAMPLE OF FILL (B8)

C + NUCLEAR DENSITY TESTING (T60–T62)

D

□ BULK SAMPLE OF PATB FROM PAVER (B18)

E ○ 4" O D CORES OF AC SURFACE ONLY (C5–C10)

+ NUCLEAR DENSITY TESTING (T114–T116)

□ PAVER SAMPLES (BA21,BA26)

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FHWA SPS–2 TEST SECTIONS ONLY
DIMENSIONAL DETAILS ONLY
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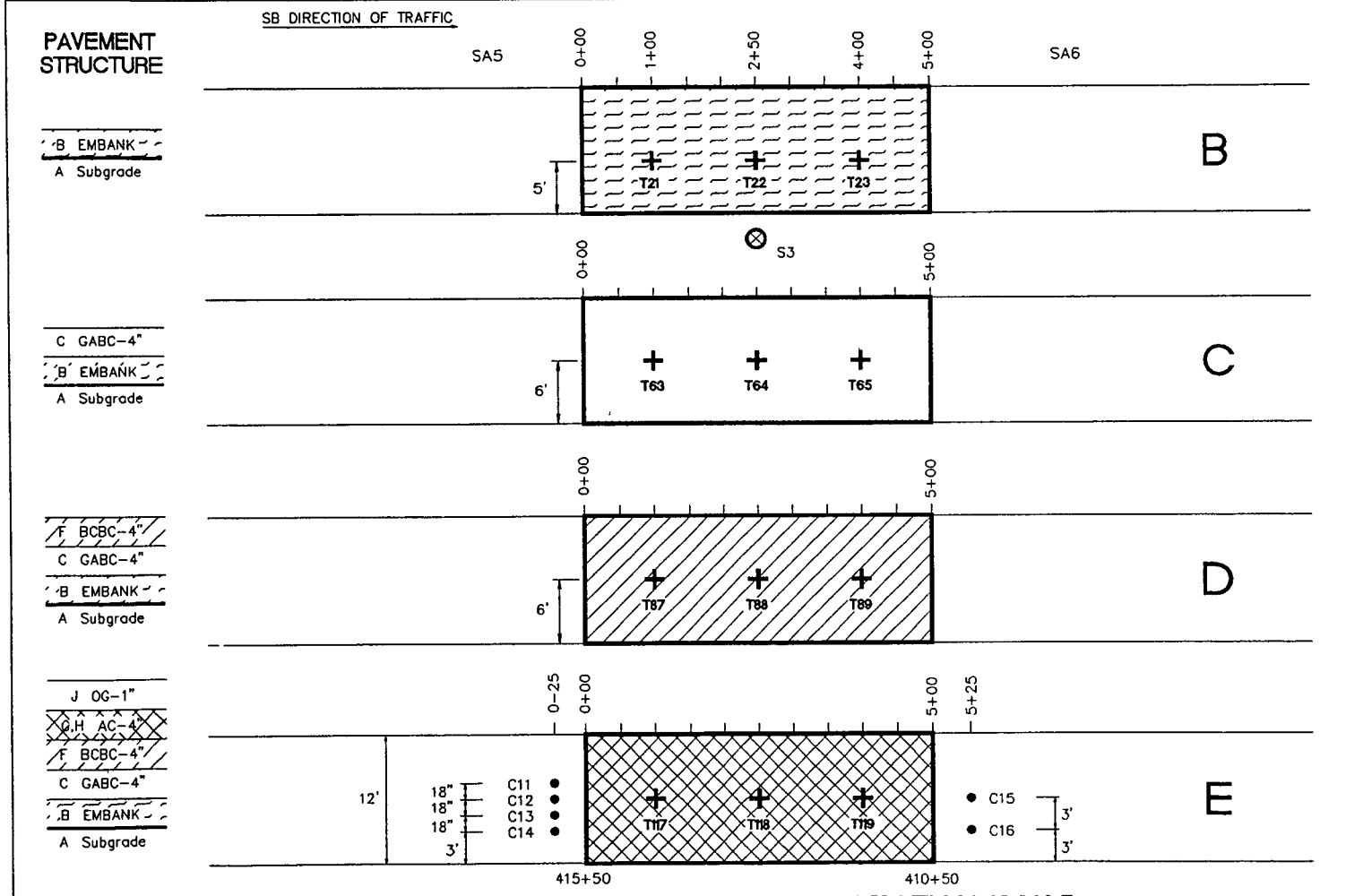
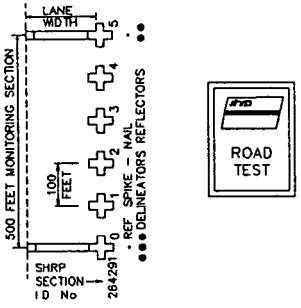
FHWA–LTPP SPS–1 DELAWARE SAMPLING PLAN
STRUCTURAL FACTORS FOR FLEXIBLE PAVEMENTS

PAVEMENT MANAGEMENT SYSTEMS LIMITED



SAMPLING AND TESTING PLAN FOR SECTION 100105

TYPICAL SITE SIGNING & MARKING



A

B + NUCLEAR DENSITY/MOISTURE TESTING (T21–T23)

⊗ SHOULDER PROBE (S3)

C + NUCLEAR DENSITY/MOISTURE TESTING (T63–T65)

D + NUCLEAR DENSITY TESTING (T87–T89)

E ● 4" O D CORES OF AC SURFACE AND TREATED BASE (C11–C16)

+ NUCLEAR DENSITY TESTING (T117–T119)

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FHWA SPS–2 TEST SECTIONS ONLY
DIMENSIONAL DETAILS ONLY
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FHWA–LTPP SPS–1 DELAWARE SAMPLING PLAN
STRUCTURAL FACTORS FOR FLEXIBLE PAVEMENTS

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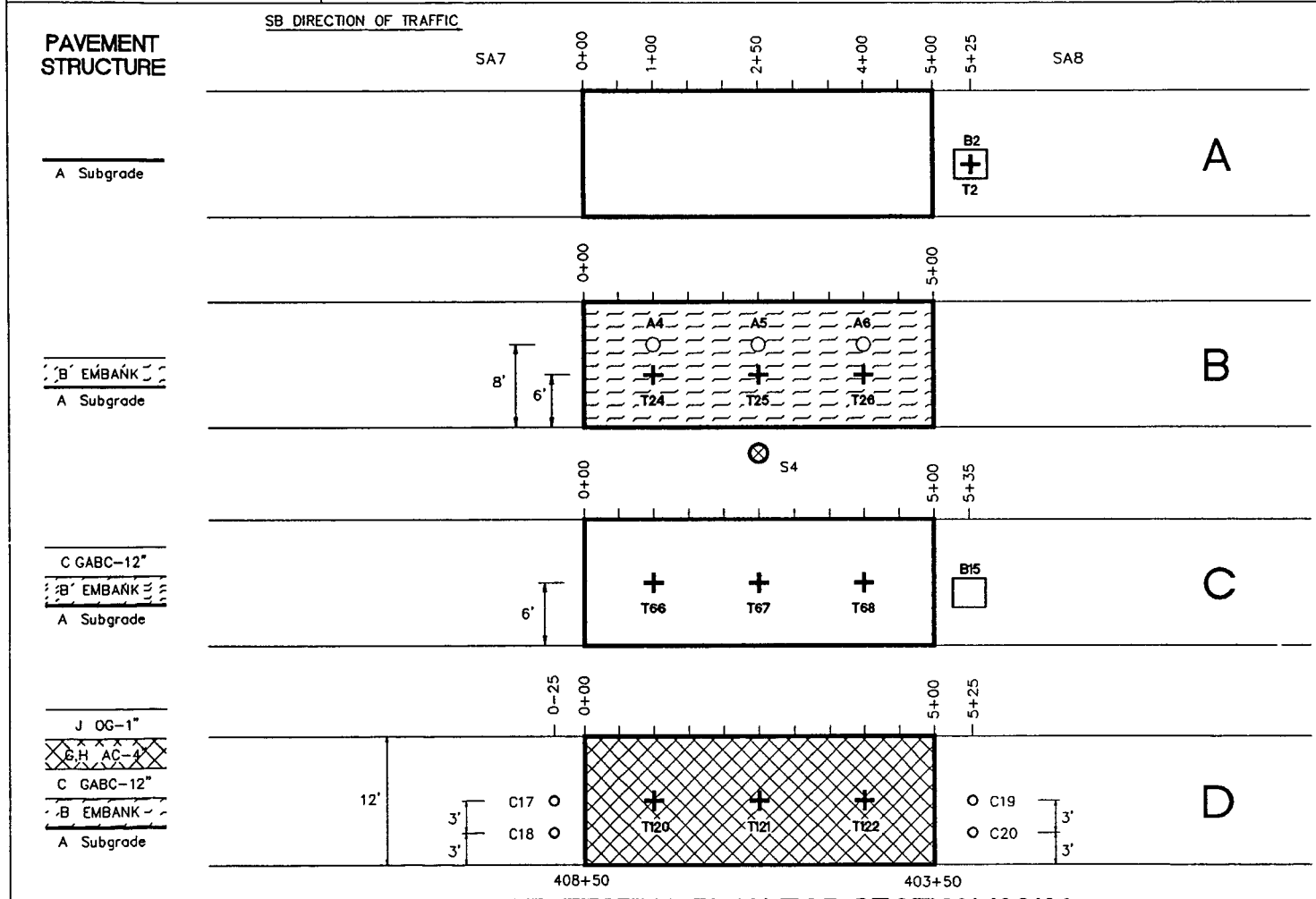
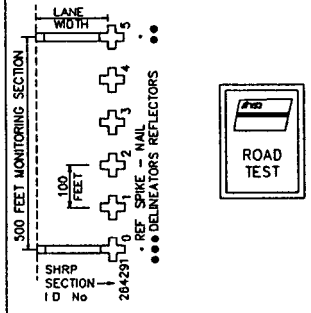


SAMPLING AND TESTING PLAN FOR SECTION 100102

TYPICAL SITE SIGNING & MARKING



A + NUCLEAR DENSITY/MOISTURE TESTING (T2)

□ BULK SAMPLE OF SUBGRADE (B2)

B ○ THIN WALL TUBE SAMPLES (A4–A6)

+ NUCLEAR DENSITY/MOISTURE TESTING (T24–T26)

⊗ SHOULDER PROBE (S4)

C + NUCLEAR DENSITY/MOISTURE TESTING (T66–T68)

□ BULK SAMPLE OF UNCOMPACTED GABC (B15)

D ○ 4" O D CORES OF AC SURFACE ONLY (C17–C20)

+ NUCLEAR DENSITY TESTING (T120–T122)

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FHWA SPS–1 TEST SECTIONS ONLY
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FHWA–LTPP SPS–1 DELAWARE SAMPLING PLAN
STRUCTURAL FACTORS FOR FLEXIBLE PAVEMENTS

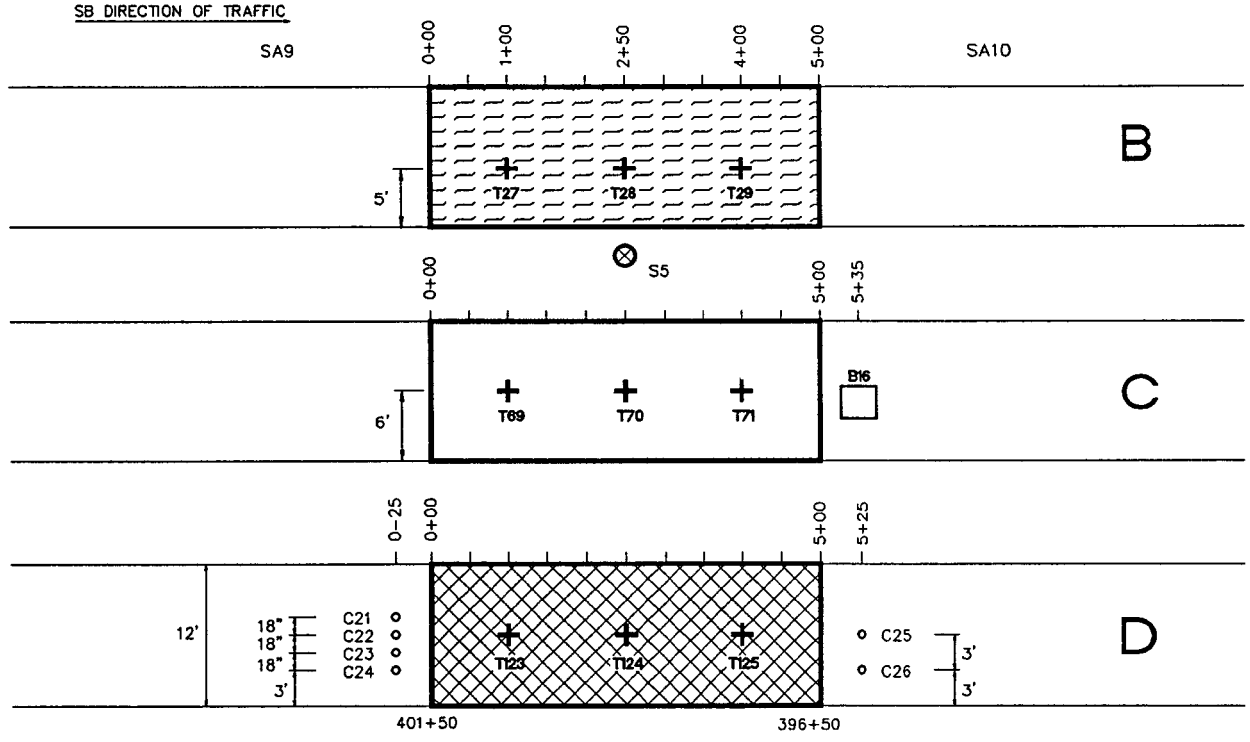
PAVEMENT MANAGEMENT SYSTEMS LIMITED

PAVEMENT STRUCTURE

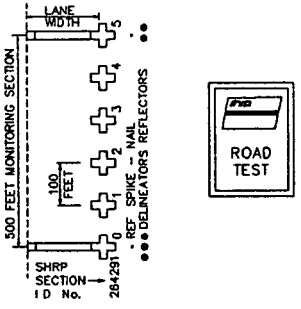
B EMBANK
A Subgrade

C GABC–8"
B EMBANK
A Subgrade

J OG–1"
G,H AC–7"
C GABC–8"
B EMBANK
A Subgrade



TYPICAL SITE SIGNING & MARKING



A

B + NUCLEAR DENSITY/MOISTURE TESTING (T22–T24)

⊗ SHOULDER PROBE (S9)

C + NUCLEAR DENSITY/MOISTURE TESTING (T55–T57)

□ BULK SAMPLE OF UNCOMPACTED GABC (B16)

D ○ 4" O.D. CORES OF AC SURFACE ONLY (C21–C26)

+ NUCLEAR DENSITY TESTING (T123–T125)

SAMPLING AND TESTING PLAN FOR SECTION 100101

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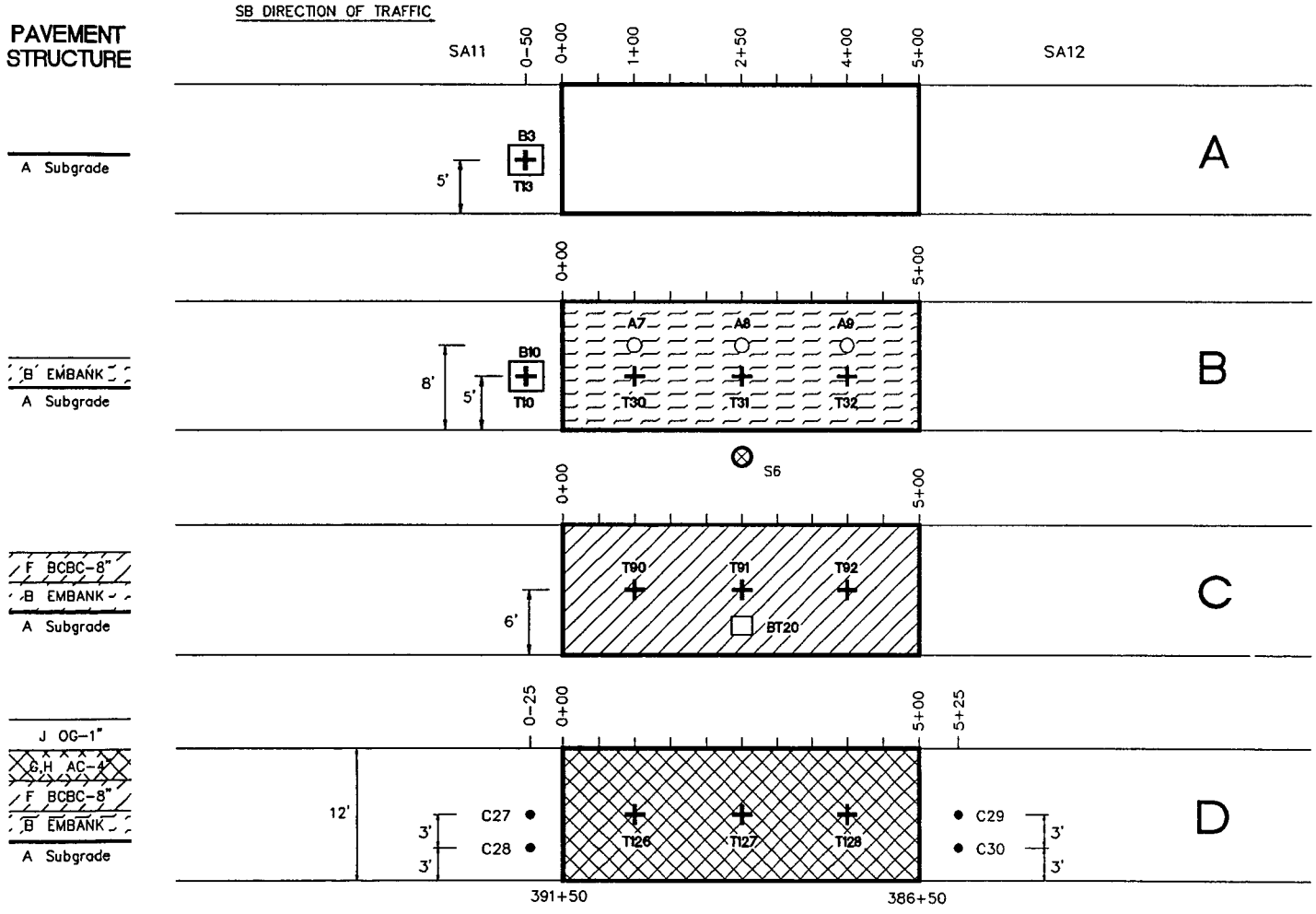
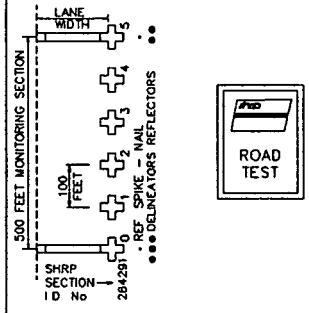
FHWA–LTPP SPS–1 DELAWARE SAMPLING PLAN
STRUCTURAL FACTORS FOR FLEXIBLE PAVEMENTS

PAVEMENT MANAGEMENT SYSTEMS LIMITED



SAMPLING AND TESTING PLAN FOR SECTION 100103

TYPICAL SITE SIGNING & MARKING



A ☐ BULK SAMPLE OF SUBGRADE (B3)

✚ NUCLEAR DENSITY/MOISTURE TESTING (T3)

B ✚ NUCLEAR DENSITY/MOISTURE TESTING (T30–T32,T10)

⊗ SHOULDER PROBE (S6)

○ SHELBY TUBE SAMPLES (A7–A9)

☐ BULK SAMPLE OF FILL (B10)

C ✚ NUCLEAR DENSITY TESTING (T90–T92)

☐ PAVER SAMPLE (BT20)

D ● 4" OD CORES OF AC SURFACE AND TREATED BASE (C27–C30)

✚ NUCLEAR DENSITY TESTING (T126–T128)

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FHWA SPS–1 TEST SECTIONS ONLY
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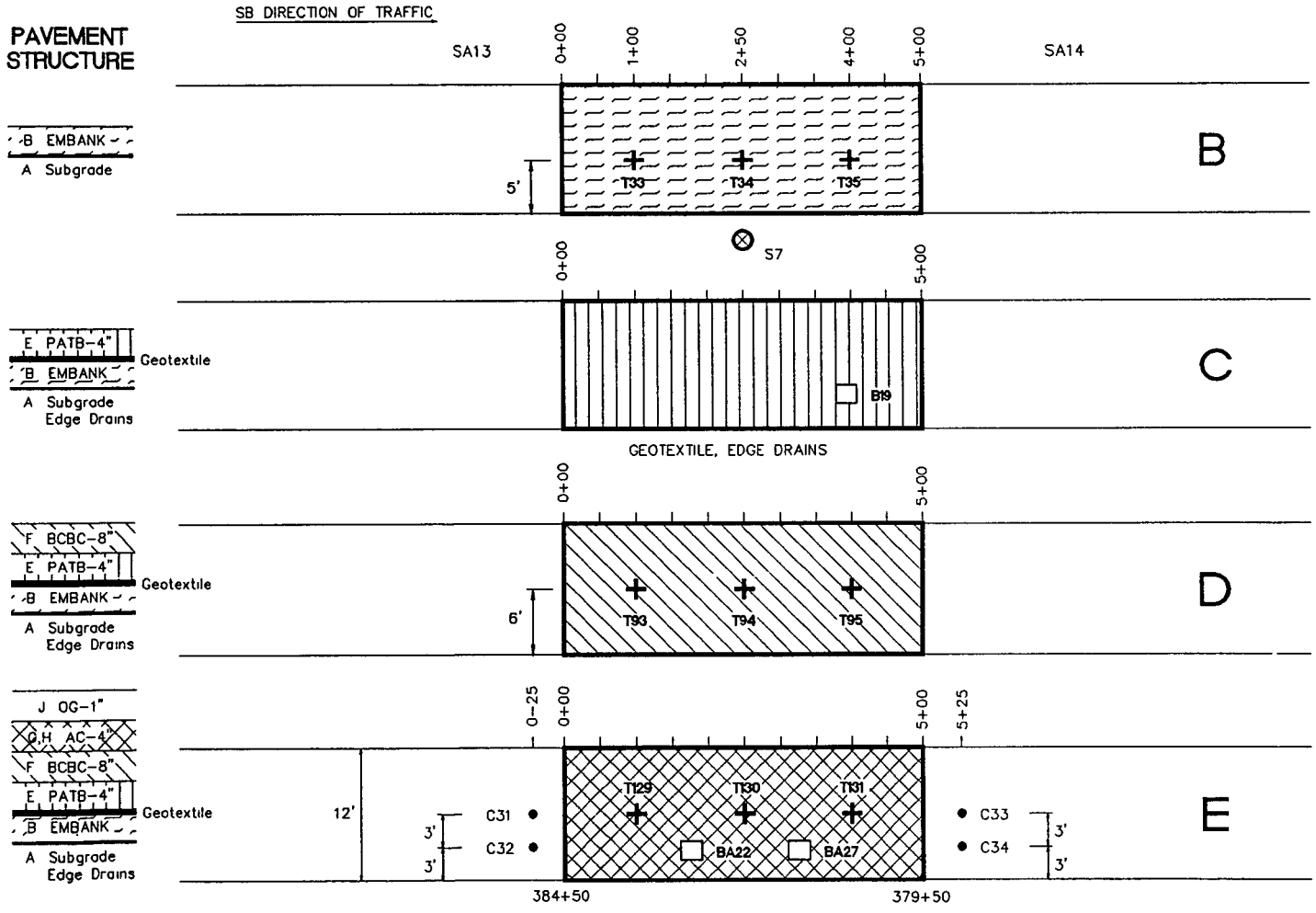
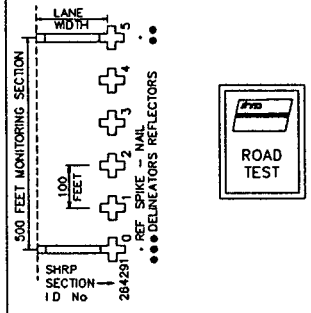
FHWA–LTPP SPS–1 DELAWARE SAMPLING PLAN
STRUCTURAL FACTORS FOR FLEXIBLE PAVEMENTS

PAVEMENT MANAGEMENT SYSTEMS LIMITED



SAMPLING AND TESTING PLAN FOR SECTION 100111

TYPICAL SITE SIGNING & MARKING



A

B ✚ NUCLEAR DENSITY/MOISTURE TESTING (T33–T35)

⊗ SHOULDER PROBE (S7)

C ☐ BULK SAMPLE OF PATB FROM PAVER (B19)

D ✚ NUCLEAR DENSITY TESTING (T93–T95)

E ● 4" OD CORES OF AC SURFACE AND TREATED BASE (C31–C34)

✚ NUCLEAR DENSITY TESTING (T129–T131)

☐ PAVER SAMPLES (BA22,BA27)

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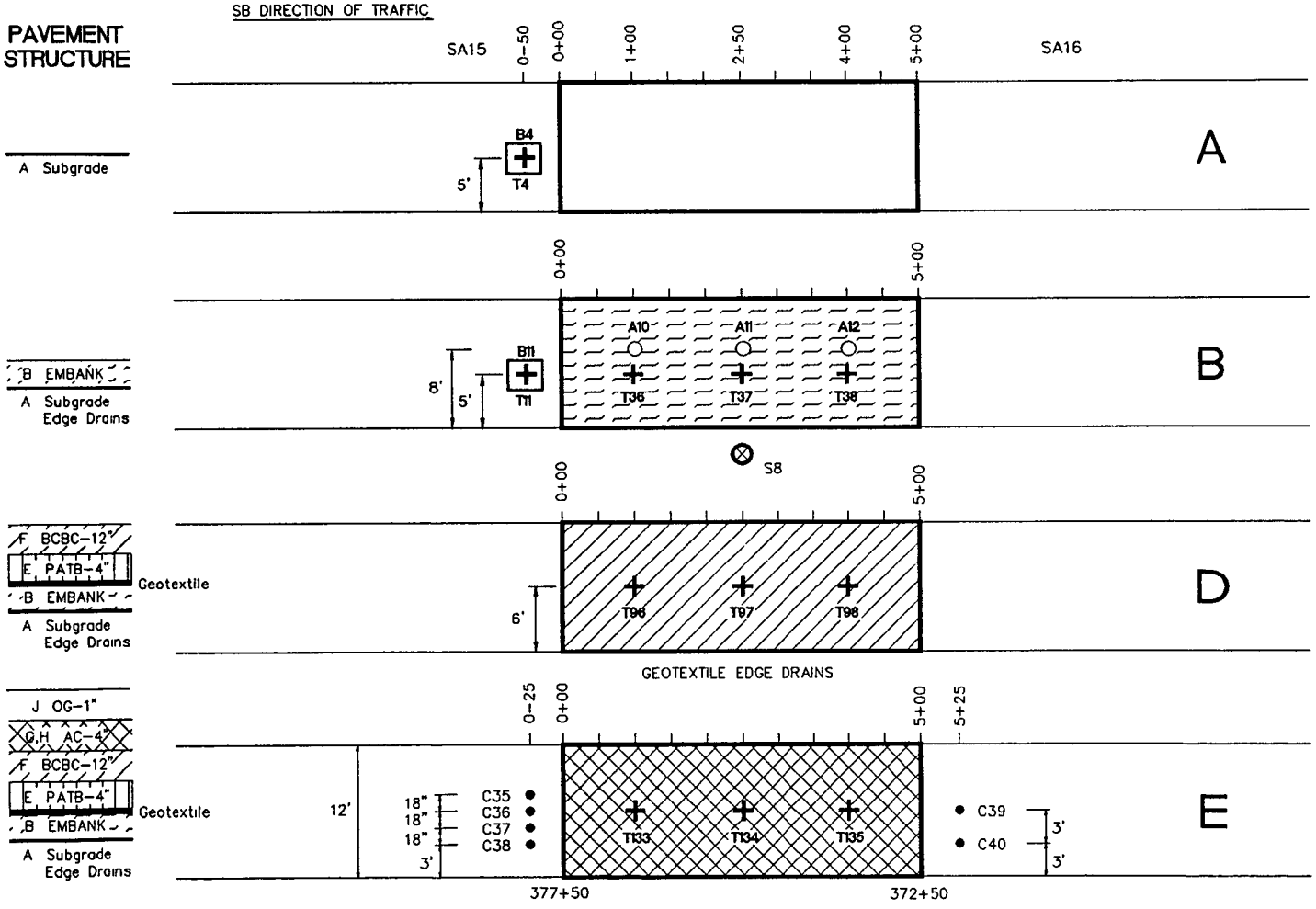
FHWA SPS–2 TEST SECTIONS ONLY
DIMENSIONAL DETAILS ONLY
DRAWING NOT TO SCALE

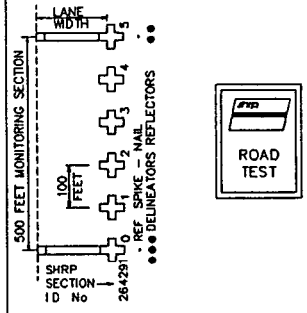
FHWA–LTPP SPS–1 DELAWARE SAMPLING PLAN
STRUCTURAL FACTORS FOR FLEXIBLE PAVEMENTS

PAVEMENT MANAGEMENT SYSTEMS LIMITED



SAMPLING AND TESTING PLAN FOR SECTION 100112

TYPICAL SITE SIGNING & MARKING



A ☐ BULK SAMPLE OF SUBGRADE (B4)
+ NUCLEAR DENSITY/MOISTURE TESTING (T4)

B + NUCLEAR DENSITY/MOISTURE TESTING (T11, T36–T38)
⊗ SHOULDER PROBE (S8)
○ SHELBY TUBE SAMPLES (A10–A12)
☐ BULK SAMPLE OF FILL (B11)

C

D + NUCLEAR DENSITY TESTING (T96–T98)

E ● 4" O D CORES OF AC SURFACE AND TREATED BASE (C35–C40)
+ NUCLEAR DENSITY TESTING (T133–T135)

SPS–1
US 113 DUALIZATION, SBL
ELLENDALE, DE

PLOTDATE. MAR 24/95

FHWA SPS–2 TEST SECTIONS ONLY
DIMENSIONAL DETAILS ONLY
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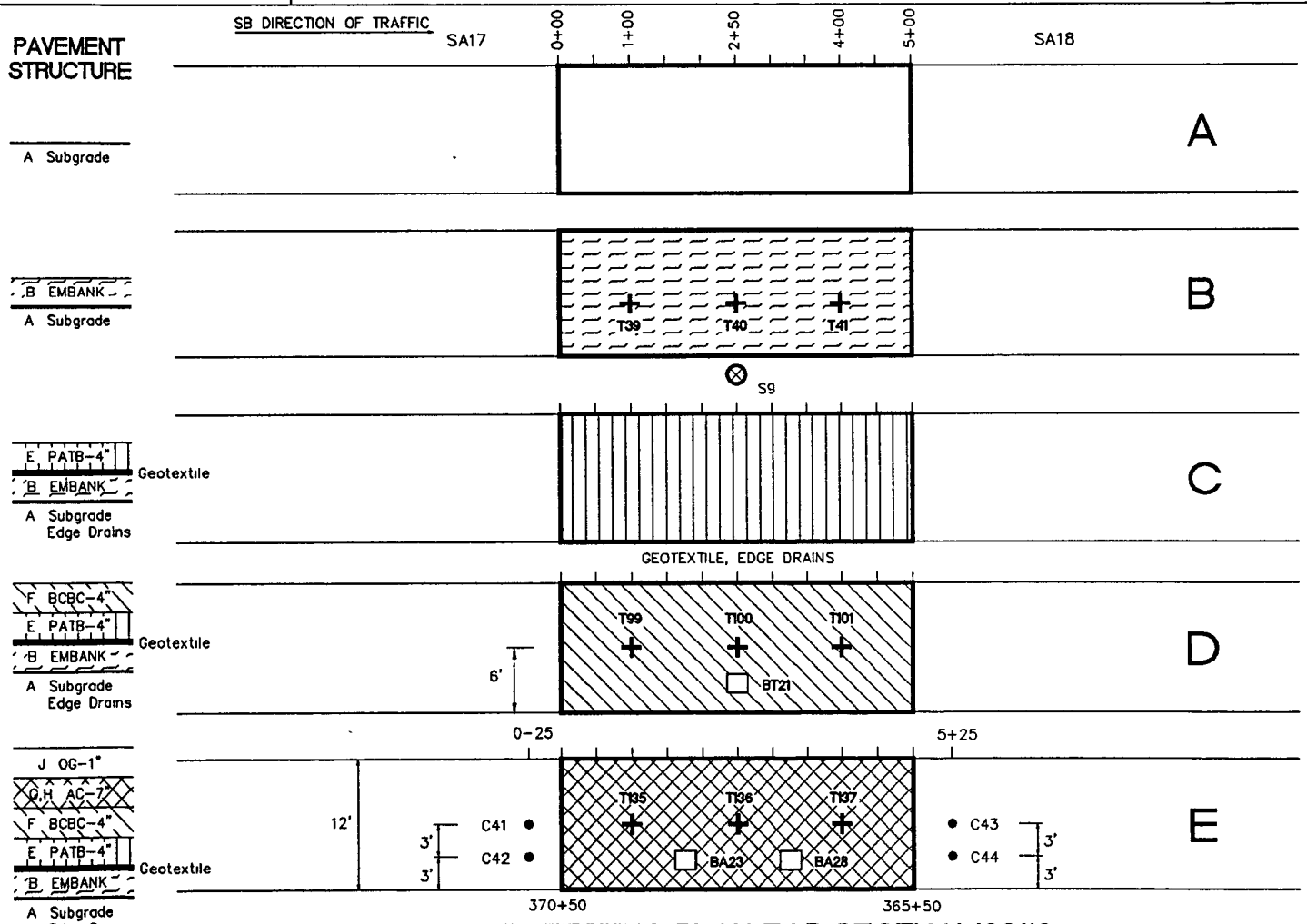
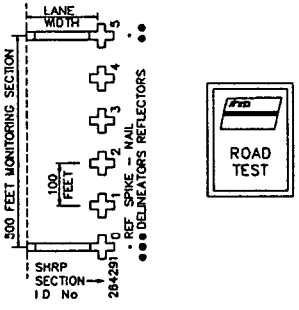
FHWA–LTPP SPS–1 DELAWARE SAMPLING PLAN
STRUCTURAL FACTORS FOR FLEXIBLE PAVEMENTS

PAVEMENT MANAGEMENT SYSTEMS LIMITED



SAMPLING AND TESTING PLAN FOR SECTION 100110

TYPICAL SITE SIGNING & MARKING



A

B + NUCLEAR DENSITY/MOISTURE TESTING (T39–T41)

⊗ SHOULDER PROBE (S9)

C

D + NUCLEAR DENSITY TESTING (T99–T101)

□ PAVER SAMPLE (BT21)

E ● 4" O D CORES OF AC SURFACE AND TREATED BASE (C41–C44)

+ NUCLEAR DENSITY TESTING (T135–T137)

□ PAVER SAMPLES (BA23,BA28)

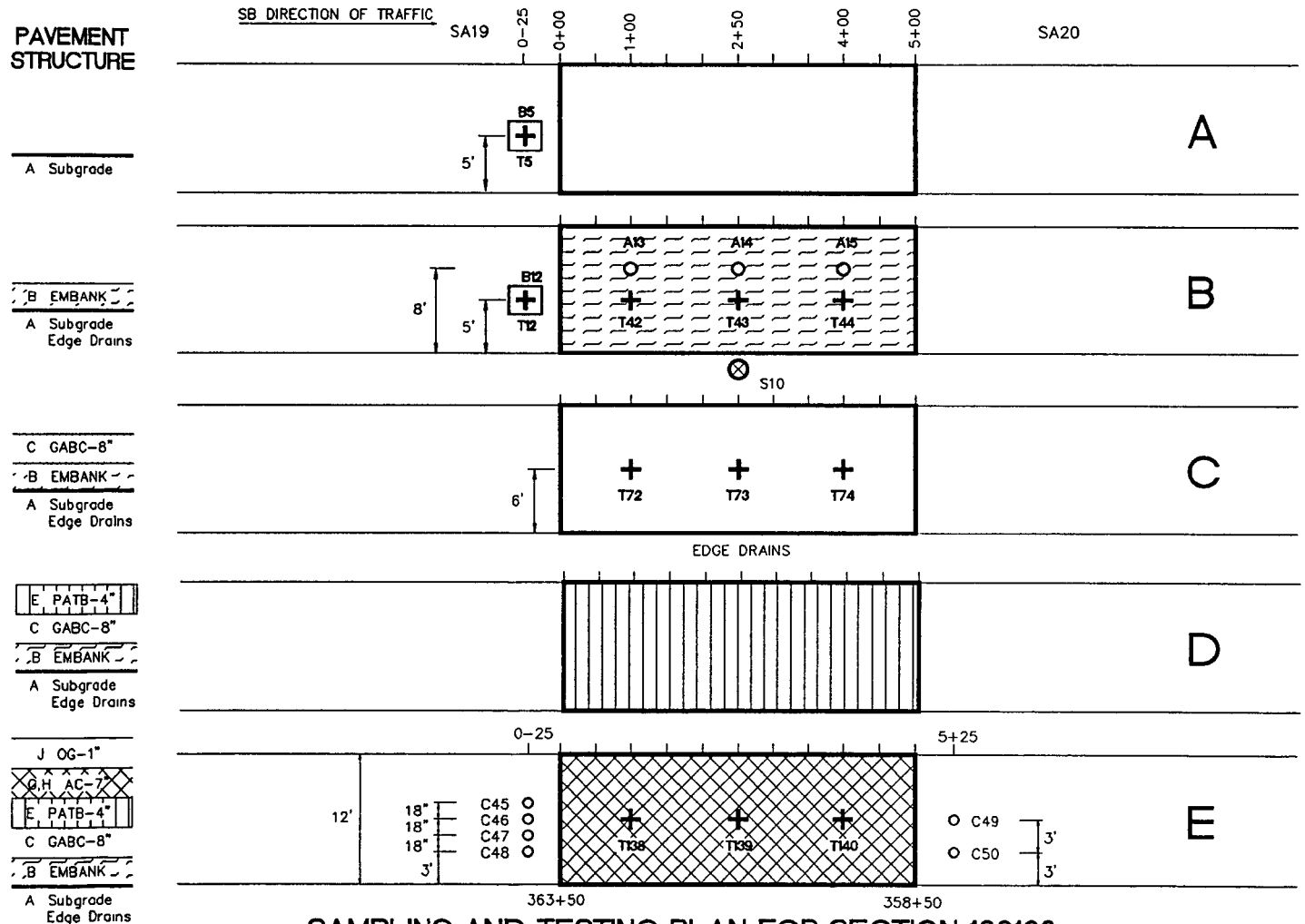
SPS–1
US 113 DUALIZATION, SBL
ELLENDALE, DE.

PLOTDATE MAR 24/96

FHWA SPS–2 TEST SECTIONS ONLY
DIMENSIONAL DETAILS ONLY
DRAWING NOT TO SCALE

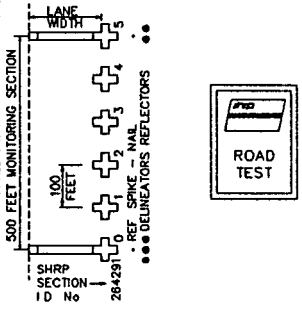
FHWA–LTPP SPS–1 DELAWARE SAMPLING PLAN
STRUCTURAL FACTORS FOR FLEXIBLE PAVEMENTS

PAVEMENT MANAGEMENT SYSTEMS LIMITED



SAMPLING AND TESTING PLAN FOR SECTION 100108

TYPICAL SITE SIGNING & MARKING



A + NUCLEAR DENSITY/MOISTURE TESTING (T5)

☐ BULK SUBGRADE SAMPLE (B5)

B + NUCLEAR DENSITY/MOISTURE TESTING (T12,T42–T44)

⊗ SHOULDER PROBE (S10)

☐ BULK EMBANKMENT FILL (B12)

C + NUCLEAR DENSITY/MOISTURE TESTING (T72–T74)

D

E ○ 4" O D CORES OF AC SURFACE ONLY (C45–C50)

+ NUCLEAR DENSITY TESTING (T138–T140)

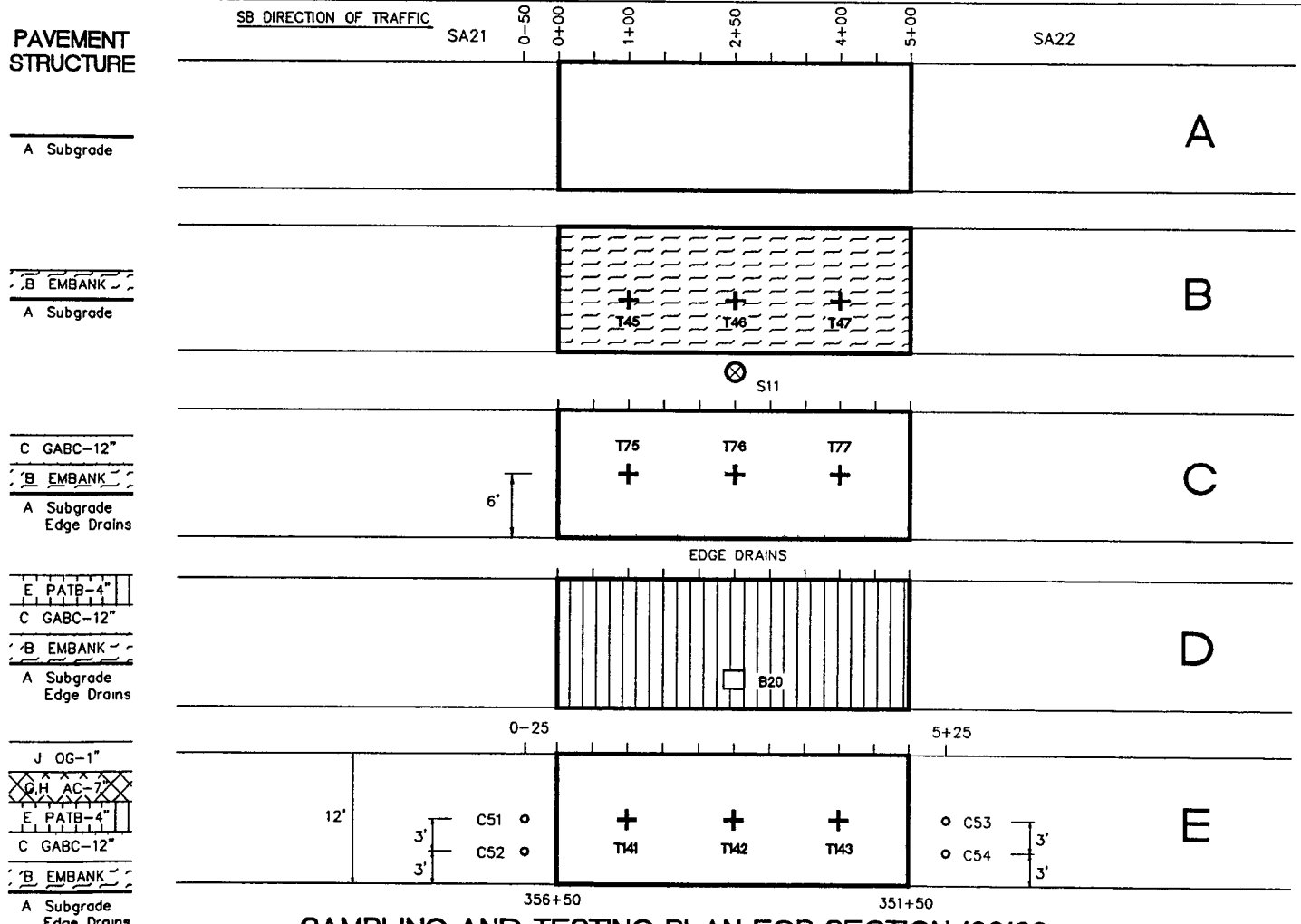
SPS–1
US 113 DUALIZATION, SBL
ELLENDALE, DE

PLOTDATE: MAR 24/95

FHWA SPS–2 TEST SECTIONS ONLY
DIMENSIONAL DETAILS ONLY
DRAWING NOT TO SCALE

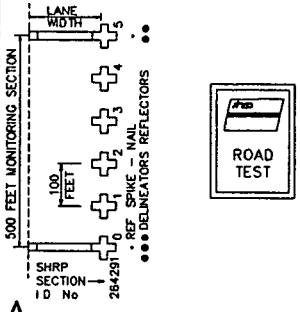
FHWA–LTPP SPS–1 DELAWARE SAMPLING PLAN
STRUCTURAL FACTORS FOR FLEXIBLE PAVEMENTS

PAVEMENT MANAGEMENT SYSTEMS LIMITED



SAMPLING AND TESTING PLAN FOR SECTION 100109

TYPICAL SITE SIGNING & MARKING



A

B + NUCLEAR DENSITY/MOISTURE TESTING (T45–T47)

⊗ SHOULDER PROBE (S11)

C + NUCLEAR DENSITY/MOISTURE TESTING (T75–T77)

D ☐ BULK PAVER PATB SAMPLE (B20)

E ○ 4" O D CORES OF AC SURFACE ONLY (C51–C54)

+ NUCLEAR DENSITY TESTING (T141–T143)

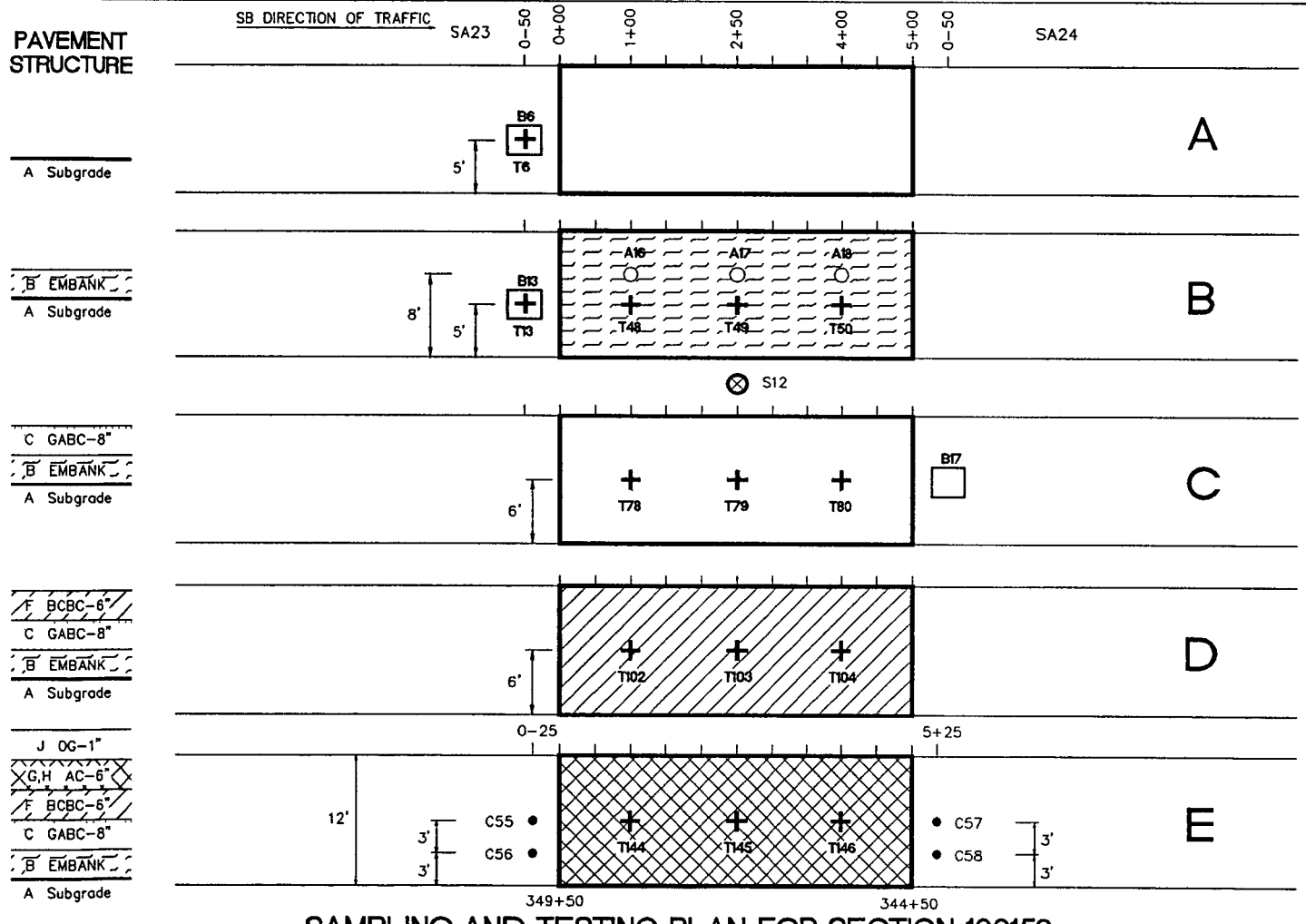
SPS–1
US 113 DUALIZATION, SBL
ELLENDALE, DE

PLOTDATE MAR 24/95

FHWA SPS–2 TEST SECTIONS ONLY
DIMENSIONAL DETAILS ONLY
DRAWING NOT TO SCALE

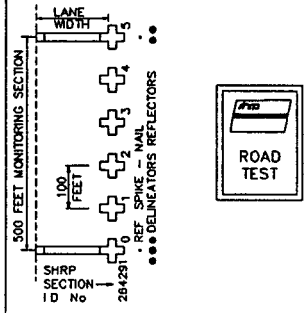
FHWA–LTPP SPS–1 DELAWARE SAMPLING PLAN
STRUCTURAL FACTORS FOR FLEXIBLE PAVEMENTS

PAVEMENT MANAGEMENT SYSTEMS LIMITED



SAMPLING AND TESTING PLAN FOR SECTION 100159

TYPICAL SITE SIGNING & MARKING



A ☐ BULK SAMPLE OF SUBGRADE (B6)
✚ NUCLEAR DENSITY (T6)

B ✚ NUCLEAR DENSITY/MOISTURE TESTING (T13,T48–T50)
⊗ SHOULDER PROBE (S12)
○ SHELBY TUBE SAMPLES (A16–A18)
☐ BULK SAMPLE OF FILL (B13)

C ✚ NUCLEAR DENSITY/MOISTURE TESTING (T78–T80)
☐ BULK SAMPLE OF UNCOMPACTED GABC (B17)

D ✚ NUCLEAR DENSITY TESTING (T102–T104)

E ● 4" O D CORES OF AC SURFACE AND TREATED BASE (C55–C58)
✚ NUCLEAR DENSITY TESTING (T144–T146)

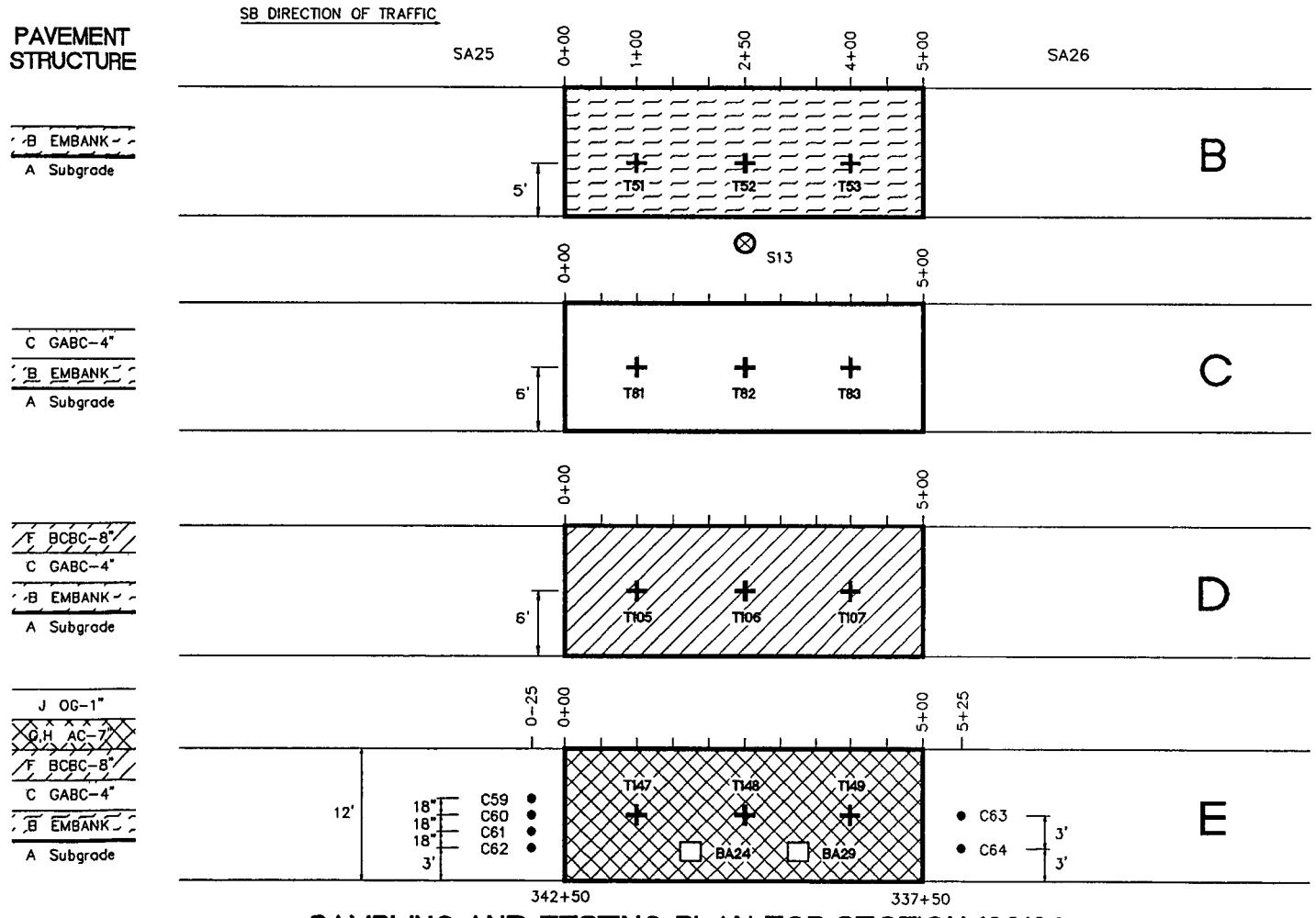
SPS–1
US 113 DUALIZATION, SBL
ELLENDALE, DE

PLOTDATE. MAR 24/95

FHWA SPS–2 TEST SECTIONS ONLY
DIMENSIONAL DETAILS ONLY
DRAWING NOT TO SCALE

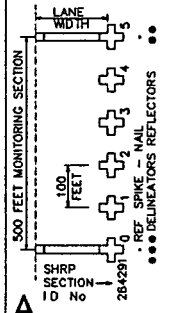
FHWA–LTPP SPS–1 DELAWARE SAMPLING PLAN
STRUCTURAL FACTORS FOR FLEXIBLE PAVEMENTS

PAVEMENT MANAGEMENT SYSTEMS LIMITED



SAMPLING AND TESTING PLAN FOR SECTION 100106

TYPICAL SITE SIGNING & MARKING



A

B + NUCLEAR DENSITY/MOISTURE TESTING (T51–T53)

⊗ SHOULDER PROBE (S13)

C + NUCLEAR DENSITY/MOISTURE TESTING (T81–T83)

D + NUCLEAR DENSITY TESTING (T105–T107)

E ● 4" O D CORES OF AC SURFACE AND TREATED BASE (C59–C64)

+ NUCLEAR DENSITY TESTING (T147–T149)

□ PAVER SAMPLES (BA24,BA29)

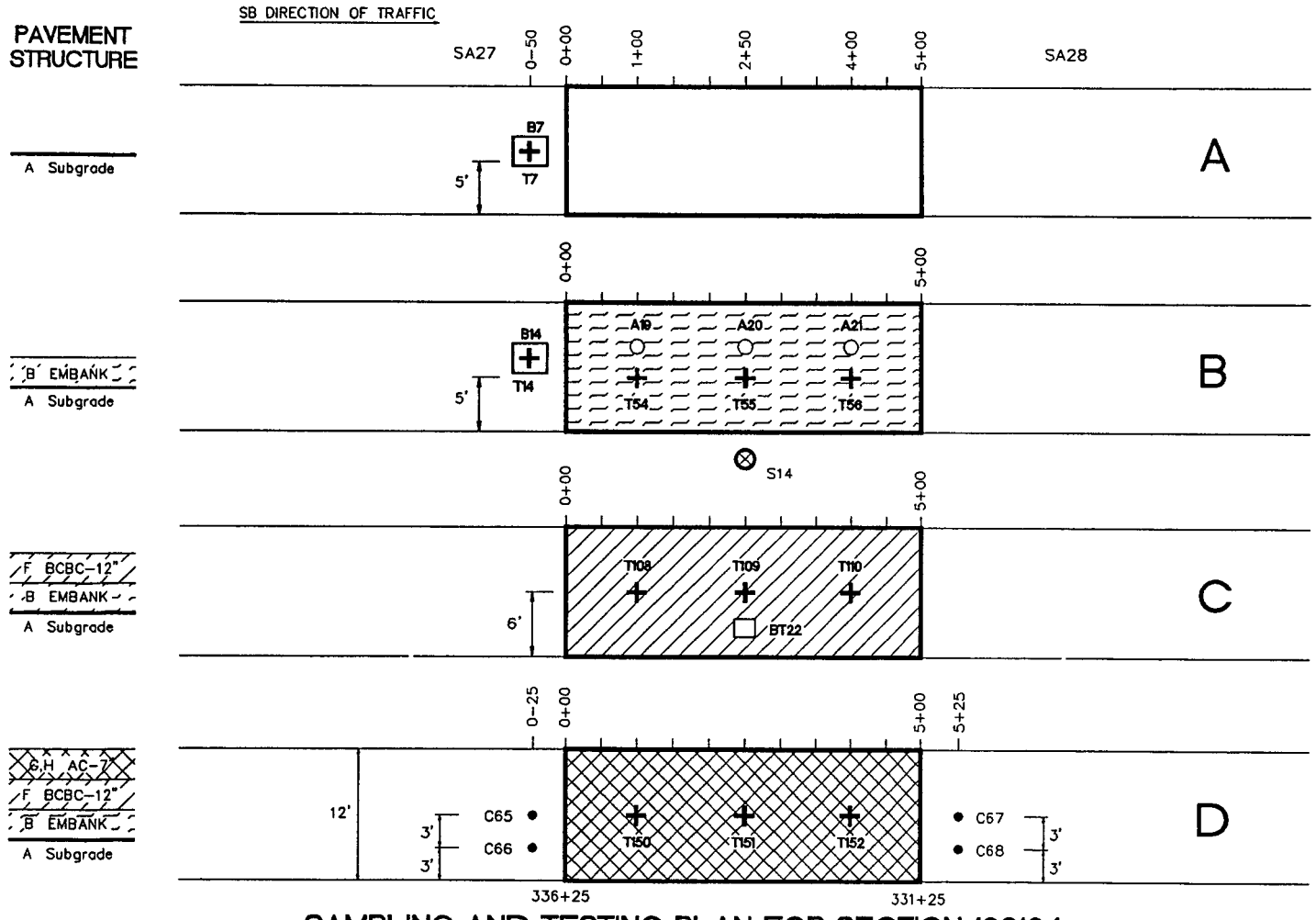
SPS–1
US 113 DUALIZATION, SBL
ELLENDALE, DE

PLOTDATE: MAR 24/96

FHWA SPS–2 TEST SECTIONS ONLY
DIMENSIONAL DETAILS ONLY
DRAWING NOT TO SCALE

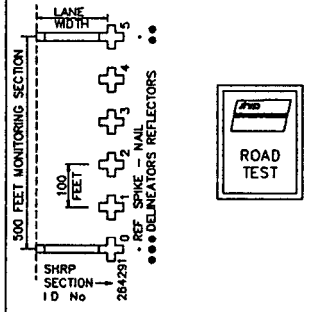
FHWA–LTPP SPS–1 DELAWARE SAMPLING PLAN
STRUCTURAL FACTORS FOR FLEXIBLE PAVEMENTS

PAVEMENT MANAGEMENT SYSTEMS LIMITED



SAMPLING AND TESTING PLAN FOR SECTION 100104

TYPICAL SITE SIGNING & MARKING



A ☐ BULK SAMPLE OF SUBGRADE (B7)
✚ NUCLEAR DENSITY/MOISTURE TESTING (T7)

B ✚ NUCLEAR DENSITY/MOISTURE TESTING (T14,T54–T56)
☐ BULK SAMPLE OF FILL (B14)
⊗ SHOULDER PROBE (S14)
○ SHELBY TUBE SAMPLES (A19–A21)

C ✚ NUCLEAR DENSITY TESTING (T108–T110)
☐ PAVER SAMPLE (BT22)

D ● 4" O D CORES OF AC SURFACE AND TREATED BASE (C65–C68)
✚ NUCLEAR DENSITY TESTING (T150–T152)

SPS–1
US 113 DUALIZATION, SBL
ELLENDALE, DE

PLOTDATE: MAR 24/95

FHWA SPS–1 TEST SECTIONS ONLY
DIMENSIONAL DETAILS ONLY
DRAWING NOT TO SCALE

TABLE 1
DE DOT SPS-1 PROJECT 100100 - US 113 SB, ELLENDALE, DE
Layout and Structure of Test Sections

CONST. STA.	LENGTH FT	SECTION I.D.	EMBANK-MENT	SUBBASE TYPE	SUBBASE THICK	BASE TYPE	BASE THICK	SURFACE TYPE	SURFACE THICK	REMARKS	MONITOR STA.
430+50 430+00	100'		Type A Borrow							Begin SPS-1	
429+50 424+50	500'	100160	12"	CASB	6"	BCBC	6"	OG ACC ACB ACB	1" 1.25" 2.75" 2"	T=18"	0+00 5+00
423+50	200'										
422+50 417+50	500'	100107	12"	GABC	4"	PATB	4"	OG ACC ACB	1" 1 25" 2 75"	T=13" Edge Drain	0+00 5+00
416+50	200'									Transverse Drain	
415+50 410+50	500'	100105	12"	GABC	4"	BCBC	4"	OG ACC ACB	1" 1 25" 2 75"	T=13"	0+00 5+00
409+50	200'										
408+50 403+50	500'	100102	12"	---	---	GABC	12"	OG ACC ACB	1" 1 25" 2 75"	T=17"	0+00 5+00
402+50	200'										
401+50 396+50	500'	100101	12"	GABC	8"	ACB	3"	OG ACC ACB	1" 1 25" 2 75"	T=16"	0+00 5+00
395+75	500'										
391+50 386+50	500'	100103	12"	---	---	BCBC	8"	OG ACC ACB	1" 1 25" 2.75"	T=13"	0+00 5+00
385+50	200'									Transverse Drain	
384+50 379+50	500'	100111	12"	PATG Geotextile	4"	BCBC	8"	OG ACC ACB	1" 1 25" 2 75"	T=17" Edge Drains	0+00 5+00
378+50	200'									Transverse Drains	

NOTE T= Total Pavement Thickness (does not include embankment fill)

TABLE 1 (Cont.)
DE DOT SPS-1 PROJECT 100100 - US 113 SB, ELLENDALE, DE
Layout and Structure of Test Sections

CONST. STA.	LENGTH FT	SECTION I.D.	EMBANK-MENT	SUBBASE TYPE	SUBBASE THICK	BASE TYPE	BASE THICK	SURFACE TYPE	SURFACE THICK	REMARKS	MONITOR STA.
377+50			Type A					OG	1"	T=21"	0+00
	500'	100112	Borrow	PATB	4"	BCBC	12"	ACC	1.25"	Edge	
372+50			12"	Geotextile				ACB	2 75"	Drains	5+00
371+50	200'										
370+50								OG	1"	T=16"	0+00
	500'	100110	12"	PATB	4"	BCBC	4"	ACC	1 25"	Edge	
				Geotextile				ACB	2 75"	Drains	
365+50								ACB	3"		5+00
364+50	200'									Transverse Drain	
363+50				Prime				OG	1"	T=20"	0+00
	500'	100108	12"	GABC	8"	PATB	4"	ACC	1 25"	Edge	
								ACB	2 75"	Drains	
358+50								ACB	3"		5+00
357+60	200'									Transverse Drains	
356+60				Prime				OG	1"	T=24"	0+00
	500'	100109	12"	GABC	12"	PATB	4"	ACC	1 25"	Edge	
								ACB	2 75"	Drains	
351+50								ACB	3"		5+00
350+50	200'										
349+50								OG	1"	T=21"	0+00
	500'	100159	12"	GABC	8"	BCBC	6"	ACC	1 25"		
								ACB	2 75"		
344+50								ACB	2"		5+00
343+50	200'										
342+50								OG	1"	T=20"	0+00
	500'	100106	12"	GABC	4"	BCBC	8"	ACC	1 25"		
								ACB	2 75"		
337+50								ACB	3"		5+00
336+87	125'										
336+25								OG	1"	T=20"	0+00
	500'	100104	12"	---	---	BCBC	12"	ACC	1 25"		
								ACB	2 75"		
331+25								ACB	3"		5+00
330+50	75'									End SPS-1	

TABLE 2
DE DOT SPS-1, US 113 SB, ELLENDALE, DE
Project Material Codes

MATERIAL CODE	MATERIAL TYPE	MATERIAL DESCRIPTION
A	SS	Natural Subgrade Soil
B	EMB	Embankment Fill (approximately 0.3m)
C	GABC	Dense Graded Aggregate Base Course, Type B
D	CASB	Coal Ash Stabilized Soil Base Course
E	PATB	Permeable Asphalt Treated Base
F	BCBC	Bituminous Base Course
G	AC-B	Hot Mix Binder Course
H	AC-C	Hot Mix Surface Course
J	OG	Open Graded Friction Course

TABLE 3
DE DOT SPS-1 PROJECT 100100 - US 113 SB, ELLENDALE, DE
Samples to be Used for Laboratory Materials Testing

sheet 1/4

Materials Type and Properties	LTPP Designation	LTPP Protocol	Minimum No. of Tests per Layer	Sampling Location	Sample Type	Test Conduced by: Agency	FHWA
SUBGRADE							
Sieve Analysis	SS01	P51	7	B1-B7	181 kg Bulk		Yes
Hydrometer to 0 001 mm	SS02	P42	7	B1-B7			Yes
Atterberg Limits	SS03	P43	7	B1-B7			Yes
Classification	SS04	P52	7	B1-B7			Yes
(visual-manual only on thin-wall tubes)			21	A1-A21	Shelby tube	Yes	Yes
Moisture-Density Relations	SS05	P55	7	B1-B7	181 kg Bulk		Yes
Resilient Modulus	SS07	P46	7	A2, A5, A9, A11, A14, A17, A19	Shelby tube		Yes
(if thin-wall tube is not available)			7	B1-B7	181 kg Bulk		Yes
Unit Weight (if thin-wall tube is not available, test is not conducted)	SS08	P56	7	A1, A4, A8, A10, A13, A16, A19	Shelby tube	Yes	
Natural Moisture Content	SS09	P49	7	B1-B7	181 kg Bulk		Yes
Unconfined Comp Strength (if thin-wall tube is not available, test is not conducted)	SS10	P54	7	A1, A4, A8, A10, A13, A16, A19	Shelby tube	Yes	
Permeability	SS11	P57	3	A3, A7, A18	Shelby tube	Yes	
Permeability (if thin-wall tube is not available)	UG09	P48	7	B1-B7	181 kg Bulk	Yes	
EMBANKMENT < 1.2m (4 ft.) Thick							
Sieve Analysis	SS01	P51	7	B8-B14	181 kg Bulk		Yes
Hydrometer to 0 001 mm	SS02	P42	7	B8-B14	181 kg Bulk		Yes
Atterberg Limits	SS03	P43	7	B8-B14	181 kg Bulk		Yes
Classification	SS04	P52	7	B8-B14	181 kg Bulk		Yes
Moisture-Density Relations	SS05	P55	7	B8-B14	181 kg Bulk		Yes
Resilient Modulus	SS07	P46	7	B8-B14	181 kg Bulk		Yes
Natural Moisture Content	SS09	P49	7	B8-B14	181 kg Bulk		Yes
Permeability	UG09	P48	7	B8-B14	181 kg Bulk	Yes	

TABLE 3 (Cont.)
DE DOT SPS-1 PROJECT 100100 - US 113 SB, ELLENDALE, DE
Samples to be Used for Laboratory Materials Testing

sheet 2/4

Materials Type and Properties	LTPP Designation	LTPP Protocol	Minimum No. of Tests per Layer	Sampling Location	Sample Type	Test Conduced by: Agency	Test Conduced by: FHWA
UNBOUND GRANULAR BASE							
Particle Size Analysis	UG01	P41	3	B15-B17	181 kg Bulk		Yes
Sieve Analysis (washed)	UG02	P41	3	B15-B17	181 kg Bulk		Yes
Atterberg Limits	UG04	P43	3	B15-B17	181 kg Bulk		Yes
Moisture-Density Relations	UG05	P44	3	B15-B17	181 kg Bulk		Yes
Resilient Modulus	UG07	P46	3	B15-B17	181 kg Bulk		Yes
Classification	UG08	P47	3	B15-B17	181 kg Bulk		Yes
Permeability	UG09	P48	3	B15-B17	181 kg Bulk	Yes	
Natural Moisture Content	UG10	P49	3	B15-B17	181 kg Bulk		Yes
PERMEABLE TREATED ASPHALT BASE							
Asphalt Content (Extraction)	AC04	P04	3	B18-B20 from paver	45 kg Bulk	Yes	
Extracted Aggregate:							
Gradation of Aggregate	AG04	P14	3	B18-B20 from paver	45 kg Bulk	Yes	

TABLE 3 (Cont.)
DE DOT SPS-1 PROJECT 100100 - US 113 SB, ELLENDALE, DE
Samples to be Used for Laboratory Materials Testing

sheet 3/4

Materials Type and Properties	LTPP Designation	LTPP Protocol	Minimum No. of Tests per Layer	Sampling Location	Sample Type	Test Conduced by: Agency	FHWA
ASPHALT TREATED BASE							
Core Examination/Thickness	AC01	P01	36	C1-C4, C27-C44, C55-C68	4" O.D Cores	Yes	Yes
Bulk Specific Gravity	AC02	P02	36	C1-C4, C27-C44, C55-C68	4" O.D. Cores	Yes	Yes
Maximum Specific Gravity	AC03	P03	3	BT20-BT22 from paver	91 kg Paver	Yes	
Asphalt Cement (Extraction)	AC04	P04	3	BT20-BT22 from paver	91 kg Paver	Yes	
Moisture Susceptibility	AC05	P05	3	BT20-BT22 from paver	91 kg Paver	Yes	
Resilient Modulus	AC07	P07	9	C27-C29, C35-C37, C59-C61	4" O D Cores		Yes
Tensile Strength	AC07	P07	12	C27-C30, C35-C38, C59-C62	4" O D Cores		Yes
EXTRACTED AGGREGATE:							
Specific Gravity							
Coarse Aggregate	AG01	P11	3	BT20-BT22 from paver	91 kg Paver	Yes	
Fine Aggregate	AG02	P12	3	BT20-BT22 from paver	91 kg Paver	Yes	
Gradation of Aggregate	AG04	P14	3	BT20-BT22 from paver	91 kg Paver	Yes	
NAA Test for Fine Aggregate	AG05	P14A	3	BT20-BT22 from paver	91 kg Paver	Yes	
Particle Shape							
ASPHALT CEMENT:							
Abson Recovery	AE01	P21	3	BT20-BT22 from paver	91 kg Paver	Yes	
Penetration at 25C, 46C (77F, 115F)	AE02	P22	3	BT20-BT22 from paver	91 kg Paver	Yes	
Specific Gravity 16C (60)	AE03	P23	3	BT20-BT22 from paver	91 kg Paver	Yes	
Viscosity at 25C (77F)	AE04	P24	3	BT20-BT22 from paver	91 kg Paver	Yes	
Viscosity at 60C, 135C, (140F, 275F)	AE05	P25	3	BT20-BT22 from paver	91 kg Paver	Yes	
ASPHALT CEMENT: (From Tanker or Plant)							
Penetration at 25C, 46C (77F, 115F)	AE02	P22	3	B21-B23 from plant	19L Tanker	Yes	
Specific Gravity 16C (60F)	AE03	P23	3	B21-B23 from plant	19L Tanker	Yes	
Viscosity at 25C (77F)	AE04	P24	3	B21-B23 from plant	19L Tanker	Yes	
Viscosity at 60C, 135C (140F, 275F)	AE05	P25	3	B21-B23 from plant	19L Tanker	Yes	

TABLE 3 (Cont.)
DE DOT SPS-1 PROJECT 100100 - US 113 SB, ELLENDALE, DE
Samples to be Used for Laboratory Materials Testing

sheet 4/4

Materials Type and Properties	LTPP Designation	LTPP Protocol	Minimum No. of Tests per Layer	Sampling Location	Sample Type	Test Conduced by: Agency	Test Conduced by: FHWA
ASPHALTIC CONCRETE SURFACE AND BINDER							
Core Examination/Thickness	AC01	P01	68	C1-C68	4" O.D. Cores	Yes	Yes
Bulk Specific Gravity	AC02	P02	68	C1-C68	4" O.D Cores	Yes	Yes
Maximum Specific Gravity	AC03	P03	3	BA20-BA29 from paver	91 kg Paver	Yes	
Asphalt Content (Extraction)	AC04	P04	3	BA20-BA29 from paver	91 kg Paver	Yes	
Moisture Susceptibility	AC05	P05	3	BA20-BA29 from paver	91 kg Paver	Yes	
Creep Compliance	AC06	P06	4	C9, C25, C49, C63	4" O.D Cores		Yes
Resilient Modulus	AC07	P07	18	C5-C7, C11-C13, C21-C23	4" O.D. Cores		Yes
				C35-C37, C45-C47, C59-C61	4" O.D Cores		
Tensile Strength	AC07	P07	24	C5-C8, C11-C14, C21-C24	4" O D Cores		Yes
				C35-C38, C45-C48, C59-C62	4" O.D Cores		
Extracted Aggregate:							
Specific Gravity							
Coarse Aggregate	AG01	P11	3	BA20-BA29 from paver	91 kg Paver	Yes	
Fine Aggregate	AG02	P12	3	BA20-BA29 from paver	91 kg Paver	Yes	
Gradation of Aggregate	AG04	P14	3	BA20-BA29 from paver	91 kg Paver	Yes	
NAA Test for Fine Aggregate	AG05	P14A	3	BA20-BA29 from paver	91 kg Paver	Yes	
Particle Shape							
Asphalt Cement:							
Abson Recovery	AE01	P21	3	BA20-BA29 from paver	91 kg Paver	Yes	
Penetration at 25C, 46C (77F, 115F)	AE02	P22	3	BA20-BA29 from paver	91 kg Paver	Yes	
Specific Gravity 16C (60F)	AE03	P23	3	BA20-BA29 from paver	91 kg Paver	Yes	
Viscosity at 25C (77F)	AE04	P24	3	BA20-BA29 from paver	91 kg Paver	Yes	
Viscosity at 60C, 135C (140F, 275F)	AE05	P25	3	BA20-BA29 from paver	91 kg Paver	Yes	
Asphalt Cement: (From Tanker)							
Penetration at 25C, 46C (77F, 115F)	AE02	P22	3	B24-B26 from plant	19L Tanker	Yes	
Specific Gravity 16C (60F)	AE03	P23	3	B24-B26 from plant	19L Tanker	Yes	
Viscosity at 25C (77F)	AE04	P24	3	B24-B26 from plant	19L Tanker	Yes	
Viscosity at 60C, 135C (140F, 275F)	AE05	P25	3	B24-B26 from plant	19L Tanker	Yes	

TABLE 4
DE DOT SPS-1 PROJECT 100100, US 113 SB, ELLENDALE, DE
Scope of Material Sampling

Material and Sample Description	Number of Samples	Sample Locations
Asphalt Coring		
Coring-102mm (4 in) diameter cores	68	C1-C68
Bulk Sampling (91 kg [200 lb] per sample, AC-C uncompacted), AC-B	5 5	BA20-BA24 from paver BA25-BA29 from paver
Bulk Sampling - Asphalt Cement	3	B24-B26 from tanker
Asphalt Treated Base		
Coring-102mm (4 in) diameter cores	36	C1-C4, C27-C44, C55-C68
Bulk Sampling (91 kg [200 lb.] per sample, uncompacted)	3	BT20-BT22 from paver
Bulk Sampling - Asphalt Cement	3	B21-B23 from tanker
Permeable Asphalt Treated Base		
Bulk Sampling (45 kg [100 lb.] per sample, uncompacted)	3	B18-B20 from paver
Uncompacted Unbound Base/Subbase Layers (per layer)		
Bulk Sampling (181 kg [400 lb] each sample)	3	B15-B17
Moisture Content Samples	3	B15-B17
Embankment < 1.2m (4 ft.) Thick		
Bulk Sampling (181 kg [400 lb.] each sample)	7	B8-B14
Moisture Content Samples	7	B8-B14
Subgrade		
Thin-Walled Tube Sampling (*2 tubes)	42	A1-A21
Splitspoon Sampling (only if thin-wall tube cannot be obtained)	21	A1-A21
Bulk Sampling (181 kg [400 lb] each sample)	7	B1-B7
Moisture Content Samples	7	B1-B7

NOTES:

1. If different AC mixes are used for the surface course and binder course, bulk samples should be obtained from each mix

2. Bulk samples of asphalt cement shall be obtained for each type of asphalt cement used on the project

TABLE 4A
DE DOT SPS-1, ELLENDALE, DE
Samples for the Materials Reference Library (MRL)

Item No.	Sample Size	Shipping Containers	Material Description and Sampling Location
1	57 litres (15 gals)	19 litre (5 gal) Epoxy-lined pails 3 required/grade	Asphalt cement from takner or plant, of each grade used
2	208 litres (55 gal) per mix type	208 litre (55 gal) Plastic barrel (1 required for each mix type)	Combined coarse and fine aggregates for each mix type BM-3, IM-1A, IM-1B, SM-2B sampled from charging conveyors at the dryer
3	57 litres (15 gal)	19 litre (5 gal) Epoxy-lined pails 3 required/mix type	Finised mix uncompacted, sampled from paver for each mix type, BM-3, IM-1A, IM-1B, SM-2B

NOTES:

1. Special long-term storage containers will be supplied at no cost to Agencies by the LTPP Materials Reference Library (MRL) by arrangement with Nichols Consulting Engineers Chtd 1625 Crane Way, Sparks, NV 89431

2. The 55 gal plastic barrel may be replaced by 11-5 gal plastic pails Stack only 3 high on pallet

3. Shipping of samples and supply of containers should be arranged by the agency through the MRL

Contacts are -

Andrew Brigg	(702) 358-7574
Jim Nichols	(702) 329-4955
Cal Berge	(702) 329-5019

Fax (702) 329-5098

TABLE 5
DE DOT SPS-1 PROJECT 100100, US 113 SB, ELLENDALE, DE
Scope of Field Testing

Material	Number of Tests	Location Designation
Asphalt Concrete		
In-situ density (nuclear gauge)	42	T111-T152
Asphalt Treated Base		
In-situ density (nuclear gauge)	27	T84-T110
Unbound Base/Subbase Layers (per layer)		
In-situ density, moisture content (nuclear gauge)	27	T57-T83
Treated Subgrade		
In-situ density, moisture content (nuclear gauge)	49	T8-T56
Subgrade		
In-situ density, moisture content	7	T1-T7
Shoulder auger probe	14	SI-S14

TABLE 6
DE DOT SPS-1, US 113 SB, ELLENDALE, DE - STATE LABORATORY
Tracking Table for Testing of Subgrade Materials

TEST SECTION I.D.	SAMPLE LOCATION I.D.	CONSTR. STA.	OFFSET m (ft)	LAB. TEST NO.	SAMPLE NO.	SAMPLE DESCRIPTION	HANDLING AND TESTING SEQUENCE					
							FIRST	SECOND	THIRD	FOURTH	FIFTH	SIXTH
100107	A1	421+50	8'	3	TS01	Shelby Tube Sample	SS04/P52	SS08/P56	SS10/P54			
100107	A3	418+50	8'	3	TS05	Shelby Tube Sample	SS04/P52	SS11/P57				
100102	A4	407+50	8'	3	TS07	Shelby Tube Sample	SS04/P52	SS08/P56	SS10/P54			
100102	A6	404+50	8'	3	TS11	Shelby Tube Sample	SS04/P52					
100103	A7	390+50	8'	3	TS13	Shelby Tube Sample	SS04/P52	SS11/P57				
100103	A8	389+00	8'	3	TS15	Shelby Tube Sample	SS04/P52	SS08/P56	SS10/P54			
100112	A10	378+50	8'	3	TS19	Shelby Tube Sample	SS04/P52	SS08/P56	SS10/P54			
100112	A12	373+50	8'	3	TS23	Shelby Tube Sample	SS04/P52					
100108	A13	362+50	8'	3	TS25	Shelby Tube Sample	SS04/P52	SS08/P56	SS10/P54			
100108	A15	359+50	8'	3	TS29	Shelby Tube Sample	SS04/P52					
100159	A16	348+50	8'	3	TS31	Shelby Tube Sample	SS04/P52	SS08/P56	SS10/P54			
100159	A18	345+50	8'	3	TS35	Shelby Tube Sample	SS04/P52	SS11/P57				
100107	A1	421+50	8'	3	TS02	Shelby Tube Spare						
100107	A3	418+50	8'	3	TS06	Shelby Tube Spare						
100102	A4	407+50	8'	3	TS08	Shelby Tube Spare						
100102	A6	404+50	8'	3	TS12	Shelby Tube Spare						
100103	A7	390+50	8'	3	TS14	Shelby Tube Spare						
100103	A8	389+00	8'	3	TS16	Shelby Tube Spare						
100112	A10	378+50	8'	3	TS20	Shelby Tube Spare						
100112	A12	373+50	8'	3	TS24	Shelby Tube Spare						
100108	A13	362+50	8'	3	TS26	Shelby Tube Spare						
100108	A15	359+50	8'	3	TS30	Shelby Tube Spare						
100159	A16	348+50	8'	3	TS32	Shelby Tube Spare						
100159	A18	345+50	8'	3	TS36	Shelby Tube Spare						
100104	A19	335+25	8'	3	TS37	Shelby Tube Spare						
100104	A19	335+25	8'	3	TS38	Shelby Tube Spare						
100104	A20	333+75	8'	3	TS39	Shelby Tube Spare						
100104	A20	333+75	8'	3	TS40	Shelby Tube Spare						
100104	A21	332+25	8'	3	TS41	Shelby Tube Spare						

TABLE 6A
DE DOT SPS-1, US 113 SB, ELLENDALE, DE - FHWA-LTPP CONTRACTOR
Tracking Table for Testing of Subgrade Materials

TEST SECTION I.D.	SAMPLE LOCATION I.D.	CONSTR. STA.	OFFSET m (ft)	LAB. TEST NO.	SAMPLE NO.	SAMPLE DESCRIPTION	HANDLING AND TESTING SEQUENCE					
							FIRST	SECOND	THIRD	FOURTH	FIFTH	SIXTH
100107	B1	423+00	6'	1	BS01	136 kg (300 lb) Sample	SS01/P51	SS02/P42	SS03/P43	SS04/P52	SS05/P55	SS07/P46
100102	B2	403+00	6'	1	BS02	136 kg (300 lb) Sample	SS01/P51	SS02/P42	SS03/P43	SS04/P52	SS05/P55	SS07/P46
100103	B3	392+00	6'	1	BS03	136 kg (300 lb) Sample	SS01/P51	SS02/P42	SS03/P43	SS04/P52	SS05/P55	SS07/P46
100112	B4	378+00	6'	1	BS04	136 kg (300 lb) Sample	SS01/P51	SS02/P42	SS03/P43	SS04/P52	SS05/P55	SS07/P46
100108	B5	364+00	6'	1	BS05	136 kg (300 lb) Sample	SS01/P51	SS02/P42	SS03/P43	SS04/P52	SS05/P55	SS07/P46
100159	B6	350+00	6'	1	BS06	136 kg (300 lb) Sample	SS01/P51	SS02/P42	SS03/P43	SS04/P52	SS05/P55	SS07/P46
100104	B7	336+75	6'	1	BS07	136 kg (300 lb) Sample	SS01/P51	SS02/P42	SS03/P43	SS04/P52	SS05/P55	SS07/P46
100107	B1	423+00	6'	1	MS01	Moisture Jar Sample	SS09/P49					
100102	B2	409+00	6'	1	MS02	Moisture Jar Sample	SS09/P49					
100103	B3	392+00	6'	1	MS03	Moisture Jar Sample	SS09/P49					
100112	B4	378+00	6'	1	MS04	Moisture Jar Sample	SS09/P49					
100108	B5	364+00	6'	1	MS05	Moisture Jar Sample	SS09/P49					
100159	B6	350+00	6'	1	MS06	Moisture Jar Sample	SS09/P49					
100104	B7	336+75	6'	1	MS07	Moisture Jar Sample	SS09/P49					
100107	A2	420+00	8'	3	TS03	Shelby Tube Sample	SS04/P52	SS07/P46				
100102	A5	406+00	8'	3	TS09	Shelby Tube Sample	SS04/P52	SS07/P46				
100103	A9	387+50	8'	3	TS17	Shelby Tube Sample	SS04/P52	SS07/P46				
100112	A11	375+00	8'	3	TS21	Shelby Tube Sample	SS04/P52	SS07/P46				
100108	A14	361+00	8'	3	TS27	Shelby Tube Sample	SS04/P52	SS07/P46				
100159	A17	347+00	8'	3	TS33	Shelby Tube Sample	SS04/P52	SS07/P46				
100104	A19	335+25	8'	3	TS37	Shelby Tube Sample	SS04/P52	SS07/P46				
100107	A2	420+00	8'	3	TS04	Shelby Tube Spare						
100102	A5	406+00	8'	3	TS10	Shelby Tube Spare						
100103	A9	387+50	8'	3	TS18	Shelby Tube Spare						
100112	A11	375+00	8'	3	TS22	Shelby Tube Spare						
100108	A14	361+00	8'	3	TS28	Shelby Tube Spare						
100159	A17	347+00	8'	3	TS34	Shelby Tube Spare						

TABLE 7
DE DOT SPS-1, US 113 SB, ELLENDALE, DE - STATE LABORATORY
Tracking Table for Testing of Embankment Materials

TEST SECTION I.D.	SAMPLE LOCATION I.D.	CONSTR. STA.	OFFSET m (ft)	LAB. TEST NO.	SAMPLE NO.	SAMPLE DESCRIPTION	HANDLING AND TESTING SEQUENCE					
							FIRST	SECOND	THIRD	FOURTH	FIFTH	SIXTH
100107	B8	423+00	1 5	1	BS08	181 kg Bulk Sample	UG09/P48					
100102	B9	403+00	1 5	2	BS09	181 kg Bulk Sample	UG09/P48					
100103	B10	392+00	1 5	1	BS10	181 kg Bulk Sample	UG09/P48					
100112	B11	378+00	1 5	1	BS11	181 kg Bulk Sample	UG09/P48					
100108	B12	364+00	1 5	1	BS12	181 kg Bulk Sample	UG09/P48					
100159	B13	350+00	1 5	1	BS13	181 kg Bulk Sample	UG09/P48					
100104	B14	336+75	1 5	1	BS14	181 kg Bulk Sample	UG09/P48					

TABLE 7A
DE DOT SPS-1, US 113 SB, ELLENDALE, DE - FHWA-LTPP CONTRACTOR LABORATORY
Tracking Table for Testing of Embankment Materials

TEST SECTION I.D.	SAMPLE LOCATION I.D.	CONSTR. STA.	OFFSET m (ft)	LAB. TEST NO.	SAMPLE NO.	SAMPLE DESCRIPTION	HANDLING AND TESTING SEQUENCE					
							FIRST	SECOND	THIRD	FOURTH	FIFTH	SIXTH
100107	B8	423+00	1.5 (5')	1	BS08	181 kg Bulk Sample	SS01/P51	SS02/P42	SS03/P43	SS04/P52	SS05/P55	SS07/P46
100102	B9	403+00	1 5 (5')	2	BS09	181 kg Bulk Sample	SS01/P51	SS02/P42	SS03/P43	SS04/P52	SS05/P55	SS07/P46
100103	B10	392+00	1 5 (5')	1	BS10	181 kg Bulk Sample	SS01/P51	SS02/P42	SS03/P43	SS04/P52	SS05/P55	SS07/P46
100112	B11	378+00	1 5 (5')	1	BS11	181 kg Bulk Sample	SS01/P51	SS02/P42	SS03/P43	SS04/P52	SS05/P55	SS07/P46
100108	B12	364+00	1 5 (5')	1	BS12	181 kg Bulk Sample	SS01/P51	SS02/P42	SS03/P43	SS04/P52	SS05/P55	SS07/P46
100159	B13	350+00	1.5 (5')	1	BS13	181 kg Bulk Sample	SS01/P51	SS02/P42	SS03/P43	SS04/P52	SS05/P55	SS07/P46
100104	B14	336+75	1 5 (5')	1	BS14	181 kg Bulk Sample	SS01/P51	SS02/P42	SS03/P43	SS04/P52	SS05/P55	SS07/P46
100107	B8	423+00	1 5 (5')	1	MS08	Moisture Jar Sample	SS09/P49					
100102	B9	403+00	1 5 (5')	2	MS09	Moisture Jar Sample						
100103	B10	392+00	1 5 (5')	1	MS10	Moisture Jar Sample						
100112	B11	378+00	1 5 (5')	1	MS11	Moisture Jar Sample						
100108	B12	364+00	1.5 (5')	1	MS12	Moisture Jar Sample						
100159	B13	350+00	1 5 (5')	1	MS13	Moisture Jar Sample						
100104	B14	336+75	1.5 (5')	1	MS14	Moisture Jar Sample						

TABLE 8
DE DOT SPS-1, US 113 SB, ELLENDALE, DE - STATE LABORATORY
Tracking Table for Testing of Unbound Granular Base

TEST SECTION I.D.	SAMPLE LOCATION I.D.	CONSTR. STA.	OFFSET m (ft)	LAB. TEST NO.	SAMPLE NO.	SAMPLE DESCRIPTION	HANDLING AND TESTING SEQUENCE					
							FIRST	SECOND	THIRD	FOURTH	FIFTH	SIXTH
100102	B15	403+20	6'	2	BG01	181 kg (400 lb) Sample	UG09/P48					
100101	B16	396+20	6'	2	BG02	181 kg (400 lb) Sample	UG09/P48					
100159	B17	344+20	6'	2	BG03	181 kg (400 lb) Sample	UG09/P48					

TABLE 8A
DE DOT SPS-1, US 113 SB, ELLENDALE, DE - FHWA-LTPP CONTRACTOR
Tracking Table for Testing of Unbound Granular Base

TEST SECTION I.D.	SAMPLE LOCATION I.D.	CONSTR. STA.	OFFSET m (ft)	LAB. TEST NO.	SAMPLE NO.	SAMPLE DESCRIPTION	HANDLING AND TESTING SEQUENCE					
							FIRST	SECOND	THIRD	FOURTH	FIFTH	SIXTH
100102	B15	403+20	6'	2	BG01	136 kg (300 lb) Sample	UG01/P41	UG02/P41	UG04/P43	UG08/P47	UG05/P44	UG07/P46
100101	B16	396+20	6'	2	BG02	136 kg (300 lb) Sample	UG01/P41	UG02/P41	UG04/P43	UG08/P47	UG05/P44	UG07/P46
100159	B17	344+20	6'	2	BG03	136 kg (300 lb) Sample	UG01/P41	UG02/P41	UG04/P43	UG08/P47	UG05/P44	UG07/P46
100102	B15	403+20	6'	2	MG01	Moisture Jar Sample	UG10/P49					
100101	B16	396+20	6'	2	MG02	Moisture Jar Sample	UG10/P49					
100159	B17	344+20	6'	2	MG03	Moisture Jar Sample	UG10/P49					

TABLE 9
DE DOT SPS-1, US 113 SB, ELLENDALE, DE - STATE LABORATORY
Tracking Table for Testing of Permeable Asphalt Treated Base

TEST SECTION I.D.	SAMPLE LOCATION I.D.	CONSTR. STA.	OFFSET m (ft)	LAB. TEST NO.	SAMPLE NO.	SAMPLE DESCRIPTION	HANDLING AND TESTING SEQUENCE					
							FIRST	SECOND	THIRD	FOURTH	FIFTH	SIXTH
100107	B18	420+00	---	3	BT01	45 kg (100 lb) Paver	AC04/P04	AG04/P14				
100111	B19	382+00	---	3	BT02	45 kg (100 lb) Paver	AC04/P04	AG04/P14				
100109	B20	354+00	---	3	BT03	45 kg (100 lb) Paver	AC04/P04	AG04/P14				

TABLE 10
DE DOT SPS-1, US 113 SB, ELLENDALE, DE - STATE LABORATORY
Tracking Table for Testing of Asphalt Treated Base and Binder

TEST SECTION I.D.	SAMPLE LOCATION I.D.	CONSTR. STA.	OFFSET m (ft)	LAB. TEST NO.	SAMPLE NO.	SAMPLE DESCRIPTION	HANDLING AND TESTING SEQUENCE					
							FIRST	SECOND	THIRD	FOURTH	FIFTH	SIXTH
100103	BT20	389+00	---	3	BT20	91 kg (200 lb) Paver	AC03/P03	AC04/P04	AC05/P05			
100110	BT21	368+00	---	3	BT21	91 kg (200 lb) Paver						
100104	BT22	333+75	---	3	BT22	91 kg (200 lb) Paver						
EXTRACTED AGGREGATE												
100103	BT20	389+00	---	3	BT20	Extracted Aggregate	AG04/P14	AG01/P11	AG02/P12	AG05/P14A		
100110	BT21	368+00	---	3	BT21	Extracted Aggregate						
100104	BT22	333+75	---	3	BT22	Extracted Aggregate						
ASPHALT CEMENT (Abson Recovery)												
100103	BT20	389+00	---	3	BT20	Recovered AC	AE01/P21	AE02/P22	AE03/P23	AE04/P24	AE05/P25	
100110	BT21	368+00	---	3	BT21	Recovered AC	AE01/P21	AE02/P22	AE03/P23	AE04/P24	AE05/P25	
100104	BT22	333+75	---	3	BT22	Recovered AC	AE01/P21	AE02/P22	AE03/P23	AE04/P24	AE05/P25	
ASPHALT CEMENT (From Tanker)												
	B21				BC01	AC Tank Sample (19L)	AE02/P22	AE03/P23	AE04/P24	AE05/P25		
	B22				BC02	AC Tank Sample (19L)	AE02/P22	AE03/P23	AE04/P24	AE05/P25		
	B23				BC03	AC Tank Sample (19L)	AE02/P22	AE03/P23	AE04/P24	AE05/P25		

TABLE 10A
DE DOT SPS-1, US 113 SB, ELLENDALE, DE - FHWA-LTPP CONTRACTOR
Tracking Table for Testing of Asphalt Treated Base (BCBC)

TEST SECTION I.D.	SAMPLE LOCATION I.D.	CONSTR. STA.	OFFSET m (ft)	LAB. TEST NO.	SAMPLE NO.	SAMPLE DESCRIPTION	HANDLING AND TESTING SEQUENCE					
							FIRST	SECOND	THIRD	FOURTH	FIFTH	SIXTH
100103	C27	391+75	1 8 (6)	1	CA27	4" O D Core	AC01/P01	AC02/P02	AC07/P07	AC07/P07 (ITS)		
	C28	391+75	0.9 (3)	1	CA28	4" O D Core	AC01/P01	AC02/P02	AC07/P07	AC07/P07 (ITS)		
	C29	386+25	1 8 (6)	2	CA29	4" O D Core	AC01/P01	AC02/P02	AC07/P07	AC07/P07 (ITS)		
	C30	386+25	0 9 (3)	2	CA30	4" O D Core	AC01/P01	AC02/P02	AC07/P07	AC07/P07 (ITS)		
100112	C35	377+75	2 3 (7 5)	1	CA35	4" O D Core	AC01/P01	AC02/P02	AC07/P07	AC07/P07 (ITS)		
	C36	377+75	1 8 (6)	1	CA36	4" O D Core	AC01/P01	AC02/P02	AC07/P07	AC07/P07 (ITS)		
	C37	377+75	1 4 (4 5)	1	CA37	4" O D Core	AC01/P01	AC02/P02	AC07/P07	AC07/P07 (ITS)		
	C38	377+75	0 9 (3)	1	CA38	4" O D Core	AC01/P01	AC02/P02	AC07/P07	AC07/P07 (ITS)		
100106	C59	342+75	2.3 (7.5)	1	CA59	4" O D Core	AC01/P01	AC02/P02	AC07/P07	AC07/P07 (ITS)		
	C60	342+75	1 8 (6)	1	CA60	4" O D Core	AC01/P01	AC02/P02	AC07/P07	AC07/P07 (ITS)		
	C61	342+75	1.4 (4 5)	1	CA61	4" O D Core	AC01/P01	AC02/P02	AC07/P07	AC07/P07 (ITS)		
	C62	342+75	0.9 (3)	1	CA62	4" O D Core	AC01/P01	AC02/P02	AC07/P07	AC07/P07 (ITS)		
	C63	337+25	1 8 (6)	2	CA63	4" O D Core Spare	AC01/P01	AC02/P02	AC07/P07	AC07/P07 (ITS)		

TABLE 11
DE DOT SPS-1, US 113 SB, ELLENDALE, DE - STATE LABORATORY
Tracking Table for Testing of Asphalt Concrete Surface and Binder

Sheet 1/4

TEST SECTION I.D.	SAMPLE LOCATION I.D.	CONSTR. STA.	OFFSET m (ft)	LAB. TEST NO.	SAMPLE NO.	SAMPLE DESCRIPTION	HANDLING AND TESTING SEQUENCE					
							FIRST	SECOND	THIRD	FOURTH	FIFTH	SIXTH
100160	C1	429+75	1 8 (6')	1	CA01	4" O D Cores	AC01/P01	AC02/P02				
	C2	429+75	0 9 (3')	1	CA02	4" O D Cores	AC01/P01	AC02/P02				
	C3	424+25	1 8 (6')	2	CA03	4" O D Cores	AC01/P01	AC02/P02				
	C4	424+25	0 9 (3')	2	CA04	4" O D Cores	AC01/P01	AC02/P02				
100107	C10	417+25	0 9 (3)	2	C10	4" O D Cores	AC01/P01	AC02/P02				
100105	C15	410+25	1 8 (6)	2	CA15	4" O D Cores	AC01/P01	AC02/P02				
	C16	410+25	0 9 (3)	2	CA16	4" O D Cores	AC01/P01	AC02/P02				
100102	C17	408+75	1 8 (6)	1	CA17	4" O D Cores	AC01/P01	AC02/P02				
	C18	408+75	0 9 (3)	1	CA18	4" O D Cores	AC01/P01	AC02/P02				
	C19	403+25	1 8 (6)	2	CA19	4" O D Cores	AC01/P01	AC02/P02				
	C20	403+25	0.9 (3)	2	CA20	4" O D Cores	AC01/P01	AC02/P02				
100101	C26	396+25	0 9 (3)	2	CA26	4" O D Cores	AC01/P01	AC02/P02				
100111	C31	384+75	1 8 (6)	1	CA31	4" O D Cores	AC01/P01	AC02/P02				
	C32	384+75	0 9 (3)	1	CA32	4" O D Cores	AC01/P01	AC02/P02				
	C33	379+25	1 8 (6)	2	CA33	4" O D Cores	AC01/P01	AC02/P02				
	C34	379+25	0 9 (3)	2	CA34	4" O D Cores	AC01/P01	AC02/P02				
100112	C39	372+25	1 8 (6)	2	CA39	4" O D Cores	AC01/P01	AC02/P02				
	C40	372+25	0 9 (3)	2	CA40	4" O D Cores	AC01/P01	AC02/P02				
100110	C41	370+75	1 8 (6)	1	CA41	4" O D Cores	AC01/P01	AC02/P02				
	C42	270+75	0 9 (3)	1	CA42	4" O D Cores	AC01/P01	AC02/P02				
	C43	365+25	1 8 (6)	2	CA43	4" O D Cores	AC01/P01	AC02/P02				
	C44	365+25	0 9 (3)	2	CA44	4" O D Cores	AC01/P01	AC02/P02				

TABLE 11 (Cont.)
DE DOT SPS-1, US 113 SB, ELLENDALE, DE - STATE LABORATORY
Tracking Table for Testing of Asphalt Concrete Surface and Binder

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TEST SECTION I.D.	SAMPLE LOCATION I.D.	CONSTR. STA.	OFFSET m (ft)	LAB. TEST NO.	SAMPLE NO.	SAMPLE DESCRIPTION	HANDLING AND TESTING SEQUENCE					
							FIRST	SECOND	THIRD	FOURTH	FIFTH	SIXTH
100108	C50	358+25	0 9 (3)	2	CA50	4" O D Core	AC01/P01	AC02/P02				
100109	C51	356+75	1 8 (6)	1	CA51	4" O D Core	AC01/P01	AC02/P02				
	C52	356+75	0 9 (3)	1	CA52	4" O D Core	AC01/P01	AC02/P02				
	C53	351+25	1 8 (6)	2	CA53	4" O D Core	AC01/P01	AC02/P02				
	C54	351+25	0 9 (3)	2	CA54	4" O D Core	AC01/P01	AC02/P02				
100159	C55	349+75	1 8 (6)	2	CA55	4" O D Core	AC01/P01	AC02/P02				
	C56	349+75	0 9 (3)	1	CA56	4" O D Core	AC01/P01	AC02/P02				
	C57	344+25	1 8 (6)	1	CA57	4" O D Core	AC01/P01	AC02/P02				
	C58	344+25	0 9 (3)	2	CA58	4" O D Core	AC01/P01	AC02/P02				
100106	C64	337+25	0 9 (3)	2	CA64	4" O D Core	AC01/P01	AC02/P02				
100104	C65	336+50	1 8 (6)	2	CA65	4" O D Core	AC01/P01	AC02/P02				
	C66	336+50	0 9 (3)	1	CA66	4" O D Core	AC01/P01	AC02/P02				
	C67	331+00	1 8 (6)	1	CA67	4" O D Core	AC01/P01	AC02/P02				
	C68	331+00	0 9 (3)	2	CA68	4" O D Core	AC01/P01	AC02/P02				
100160	BA20	428+00	---	3	BA20	91 kg (200 lb) Paver	AC01/P01	AC02/P02	AC04/P04			
100107	BA21	421+00	---	3	BA21	91 kg (200 lb) Paver	AC01/P01	AC02/P02	AC04/P04			
100111	BA22	383+00	---	3	BA22	91 kg (200 lb) Paver	AC01/P01	AC02/P02	AC04/P04			
100110	BA23	369+00	---	3	BA23	91 kg (200 lb) Paver	AC01/P01	AC02/P02	AC04/P04			
100106	BA24	341+00	---	3	BA24	91 kg (200 lb) Paver	AC01/P01	AC02/P02	AC04/P04			
100160	BA25	426+00	---	3	BA25	91 kg (200 lb) Paver	AC01/P01	AC02/P02	AC04/P04			
100107	BA26	419+00	---	3	BA26	91 kg (200 lb) Paver	AC01/P01	AC02/P02	AC04/P04			
100111	BA27	381+00	---	3	BA27	91 kg (200 lb) Paver	AC01/P01	AC02/P02	AC04/P04			
100110	BA28	367+00	---	3	BA28	91 kg (200 lb) Paver	AC01/P01	AC02/P02	AC04/P04			
100106	BA29	339+00	---	3	BA29	91 kg (200 lb) Paver	AC01/P01	AC02/P02	AC04/P04			

TABLE 11 (Cont.)
DE DOT SPS-1, US 113 SB, ELLENDALE, DE - STATE LABORATORY
Tracking Table for Testing of Asphalt Concrete Surface and Binder

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TEST SECTION I.D.	SAMPLE LOCATION I.D.	CONSTR. STA.	OFFSET m (ft)	LAB. TEST NO.	SAMPLE NO.	SAMPLE DESCRIPTION	HANDLING AND TESTING SEQUENCE					
							FIRST	SECOND	THIRD	FOURTH	FIFTH	SIXTH
RECOVERED ASPHALT CEMENT												
100160	BA20	428+00	---	3	BA20	Recovered Asphalt	AE01/P21	AE02/P22	AE03/P23	AE04/P24	AE05/P25	
100107	BA21	421+00	---	3	BA21	Recovered Asphalt	AE01/P21	AE02/P22	AE03/P23	AE04/P24	AE05/P25	
100111	BA22	383+00	---	3	BA22	Recovered Asphalt	AE01/P21	AE02/P22	AE03/P23	AE04/P24	AE05/P25	
100110	BA23	369+00	---	3	BA23	Recovered Asphalt	AE01/P21	AE02/P22	AE03/P23	AE04/P24	AE05/P25	
100106	BA24	341+00	---	3	BA24	Recovered Asphalt	AE01/P21	AE02/P22	AE03/P23	AE04/P24	AE05/P25	
100160	BA25	426+00	---	3	BA25	Recovered Asphalt	AE01/P21	AE02/P22	AE03/P23	AE04/P24	AE05/P25	
100107	BA26	419+00	---	3	BA26	Recovered Asphalt	AE01/P21	AE02/P22	AE03/P23	AE04/P24	AE05/P25	
100111	BA27	381+00	---	3	BA27	Recovered Asphalt	AE01/P21	AE02/P22	AE03/P23	AE04/P24	AE05/P25	
100110	BA28	367+00	---	3	BA28	Recovered Asphalt	AE01/P21	AE02/P22	AE03/P23	AE04/P24	AE05/P25	
100106	BA29	339+00	---	3	BA29	Recovered Asphalt	AE01/P21	AE02/P22	AE03/P23	AE04/P24	AE05/P25	
EXTRACTED AGGREGATE												
100160	BA20	428+00	---	3	BA20	Extracted Aggregate	AG04/P14	AG01/P11	AG02/P12	AG05/P14A		
100107	BA21	421+00	---	3	BA21	Extracted Aggregate	AG04/P14	AG01/P11	AG02/P12	AG05/P14A		
100111	BA22	383+00	---	3	BA22	Extracted Aggregate	AG04/P14	AG01/P11	AG02/P12	AG05/P14A		
100110	BA23	369+00	---	3	BA23	Extracted Aggregate	AG04/P14	AG01/P11	AG02/P12	AG05/P14A		
100106	BA24	341+00	---	3	BA24	Extracted Aggregate	AG04/P14	AG01/P11	AG02/P12	AG05/P14A		
100160	BA25	426+00	---	3	BA25	Extracted Aggregate	AG04/P14	AG01/P11	AG02/P12	AG05/P14A		
100107	BA26	419+00	---	3	BA26	Extracted Aggregate	AG04/P14	AG01/P11	AG02/P12	AG05/P14A		
100111	BA27	381+00	---	3	BA27	Extracted Aggregate	AG04/P14	AG01/P11	AG02/P12	AG05/P14A		
100110	BA28	367+00	---	3	BA28	Extracted Aggregate	AG04/P14	AG01/P11	AG02/P12	AG05/P14A		
100106	BA29	339+00	---	3	BA29	Extracted Aggregate	AG04/P14	AG01/P11	AG02/P12	AG05/P14A		

TABLE 11 (Cont.)
DE DOT SPS-1, US 113 SB, ELLENDALE, DE - STATE LABORATORY
Tracking Table for Testing of Asphalt Concrete Surface and Binder

Sheet 4/4

TEST SECTION I.D.	SAMPLE LOCATION I.D.	CONSTR. STA.	OFFSET m (ft)	LAB. TEST NO.	SAMPLE NO.	SAMPLE DESCRIPTION	HANDLING AND TESTING SEQUENCE					
							FIRST	SECOND	THIRD	FOURTH	FIFTH	SIXTH
ASPHALT CEMENT												
	B24				BC04	19L (5 gal) Tanker	AE02/P22	AE03/P23	AE04/P24	AE05/P25		
	B25				BC05	19L (5 gal) Tanker	AE02/P22	AE03/P23	AE04/P24	AE05/P25		
	B26				BC06	19L (5 gal) Tanker	AE02/P22	AE03/P23	AE04/P24	AE05/P25		

TABLE 11A
DE DOT SPS-1, US 113 SB, ELLENDALE, DE - FHWA-LTPP CONTRACTOR
Tracking Table for Testing of Asphalt Concrete Surface (ACC) and Binder (ACB)

TEST SECTION I.D.	SAMPLE LOCATION I.D.	CONSTR. STA.	OFFSET m (ft)	LAB. TEST NO.	SAMPLE NO.	SAMPLE DESCRIPTION	HANDLING AND TESTING SEQUENCE					
							FIRST	SECOND	THIRD	FOURTH	FIFTH	SIXTH
100107	C5	422+75	2 3 (7 5)	1	CA05	4" O D. Cores	AC01/P01	AC02/P02	AC07/P07	AC07/P07 (ITS)		
	C6	422+75	1 8 (6)	1	CA06	4" O D. Cores	AC01/P01	AC02/P02	AC07/P07	AC07/P07 (ITS)		
	C7	422+75	1 4 (4 5)	1	CA07	4" O D Cores	AC01/P01	AC02/P02	AC07/P07	AC07/P07 (ITS)		
	C8	422+75	0 9 (3)	1	CA08	4" O D Cores	AC01/P01	AC02/P02	AC07/P07	AC07/P07 (ITS)		
	C9	417+25	1 8 (6)	2	CA09	4" O D Cores	AC01/P01	AC02/P02	AC06/P06			
100105	C11	415+75	2 3 (7 5)	1	CA11	4" O D Cores	AC01/P01	AC02/P02	AC07/P07	AC07/P07 (ITS)		
	C12	415+75	1 8 (6)	1	CA12	4" O D Cores	AC01/P01	AC02/P02	AC07/P07	AC07/P07 (ITS)		
	C13	415+75	1 4 (4 5)	1	CA13	4" O D Cores	AC01/P01	AC02/P02	AC07/P07	AC07/P07 (ITS)		
	C14	415+75	0 9 (3)	1	CA14	4" O D Cores	AC01/P01	AC02/P02	AC07/P07	AC07/P07 (ITS)		
100101	C21	401+75	2.3 (7 5)	1	CA21	4" O D Cores	AC01/P01	AC02/P02	AC07/P07	AC07/P07 (ITS)		
	C22	401+75	1 8 (6)	1	CA22	4" O D Cores	AC01/P01	AC02/P02	AC07/P07	AC07/P07 (ITS)		
	C23	401+75	1.4 (4 5)	1	CA23	4" O D Cores	AC01/P01	AC02/P02	AC07/P07	AC07/P07 (ITS)		
	C24	401+75	0 9 (3)	1	CA24	4" O D Cores	AC01/P01	AC02/P02	AC07/P07	AC07/P07 (ITS)		
	C25	396+25	1.8 (6)	2	CA25	4" O D Cores	AC01/P01	AC02/P02	AC06/P06			
100112	C35	377+75	2.3 (7 5)	1	CA35	4" O D Cores	AC01/P01	AC02/P02	AC07/P07	AC07/P07 (ITS)		
	C36	377+75	1.8 (6)	1	CA36	4" O D. Cores	AC01/P01	AC02/P02	AC07/P07	AC07/P07 (ITS)		
	C37	377+75	1.4 (4.5)	1	CA37	4" O D Cores	AC01/P01	AC02/P02	AC07/P07	AC07/P07 (ITS)		
	C38	377+75	0.9 (3)	1	CA38	4" O D Cores	AC01/P01	AC02/P02	AC07/P07	AC07/P07 (ITS)		
100108	C45	363+75	2 3 (7.5)	1	CA45	4" O D Cores	AC01/P01	AC02/P02	AC07/P07	AC07/P07 (ITS)		
	C46	363+75	1 8 (6)	1	CA46	4" O D Cores	AC01/P01	AC02/P02	AC07/P07	AC07/P07 (ITS)		
	C47	363+75	1.4 (4 5)	1	CA47	4" O D Cores	AC01/P01	AC02/P02	AC07/P07	AC07/P07 (ITS)		
	C48	363+75	0 9 (3)	1	CA48	4" O D Cores	AC01/P01	AC02/P02	AC07/P07	AC07/P07 (ITS)		
	C49	358+25	1.8 (6)	2	CA49	4" O D Cores	AC01/P01	AC02/P02	AC06/P06			
100106	C59	342+75	2.3 (7 5)	1	CA59	4" O D Cores	AC01/P01	AC02/P02	AC07/P07	AC07/P07 (ITS)		
	C60	342+75	1 8 (6)	1	CA60	4" O D Cores	AC01/P01	AC02/P02	AC07/P07	AC07/P07 (ITS)		
	C61	342+75	1 4 (4 5)	1	CA61	4" O D Cores	AC01/P01	AC02/P02	AC07/P07	AC07/P07 (ITS)		
	C62	342+75	0 9 (3)	1	CA62	4" O D Cores	AC01/P01	AC02/P02	AC07/P07	AC07/P07 (ITS)		
	C63	337+25	1.8 (6)	2	CA63	4" O D Cores	AC01/P01	AC02/P02	AC06/P06			

TABLE 11A
VA DOT SPS-1, SR 265 SB, DANVILLE, VA - FHWA CONTRACTOR LABORATORY
Tracking Table for Testing of Asphalt Concrete Surface and Binder

Test Section I.D.	Sample Location No.	Constr. Sta.	Offset m (ft.)	Lab Test No.	Sample No.	Sample Description	Handling and Testing Sequence					
							First	Second	Third	Fourth	Fifth	Sixth
510120	C9	651+25	2.3 (7.5)	1	CA09	4" O.D. Core	AC01/P01	AC02/P02	AC07/P07	AC07/P07 (ITS)		
	C10	651+25	1.9 (6)	1	CA10	4" O.D. Core	AC01/P01	AC02/P02	AC07/P07	AC07/P07 (ITS)		
	C11	651+25	1.4 (4.5)	1	CA11	4" O.D. Core	AC01/P01	AC02/P02	AC07/P07	AC07/P07 (ITS)		
	C12	651+25	0.9 (3)	1	CA12	4" O.D. Core	AC01/P01	AC02/P02	AC07/P07	AC07/P07 (ITS)		
510159	C18	643+75	2.3 (7.5)	1	CA18	4" O.D. Core	AC01/P01	AC02/P02	AC07/P07	AC07/P07 (ITS)		
	C19	643+75	1.9 (6)	1	CA19	4" O.D. Core	AC01/P01	AC02/P02	AC07/P07	AC07/P07 (ITS)		
	C20	643+75	1.4 (4.5)	1	CA20	4" O.D. Core	AC01/P01	AC02/P02	AC07/P07	AC07/P07 (ITS)		
	C21	643+75	0.9 (3)	1	CA21	4" O.D. Core	AC01/P01	AC02/P02	AC07/P07	AC07/P07 (ITS)		
510119	C29	636+75	2.3 (7.5)	1	CA29	4" O.D. Core	AC01/P01	AC02/P02	AC07/P07	AC07/P07 (ITS)		
	C30	636+75	1.9 (6)	1	CA30	4" O.D. Core	AC01/P01	AC02/P02	AC07/P07	AC07/P07 (ITS)		
	C31	636+75	1.4 (4.5)	1	CA31	4" O.D. Core	AC01/P01	AC02/P02	AC07/P07	AC07/P07 (ITS)		
	C32	636+75	0.9 (3)	1	CA32	4" O.D. Core	AC01/P01	AC02/P02	AC07/P07	AC07/P07 (ITS)		
510123	C41	614+25	1.9 (6)	2	CA41	4" O.D. Core	AC01/P01	AC02/P02	AC06/P06			
	C43	611+75	2.3 (7.5)	1	CA43	4" O.D. Core	AC01/P01	AC02/P02	AC07/P07	AC07/P07 (ITS)		
	C44	611+75	1.9 (6)	1	CA44	4" O.D. Core	AC01/P01	AC02/P02	AC07/P07	AC07/P07 (ITS)		
	C45	611+75	1.4 (4.5)	1	CA45	4" O.D. Core	AC01/P01	AC02/P02	AC07/P07	AC07/P07 (ITS)		
	C46	611+75	0.9 (3)	1	CA46	4" O.D. Core	AC01/P01	AC02/P02	AC07/P07	AC07/P07 (ITS)		
510116	C51	595+75	1.9 (6)	2	CA51	4" O.D. Core	AC01/P01	AC02/P02	AC06/P06			
510115	C55	583+25	1.9 (6)	2	CA55	4" O.D. Core	AC01/P01	AC02/P02	AC06/P06			
510117	C57	579+25	2.3 (7.5)	1	CA57	4" O.D. Core	AC01/P01	AC02/P02	AC07/P07	AC07/P07 (ITS)		
	C58	579+25	1.9 (6)	1	CA58	4" O.D. Core	AC01/P01	AC02/P02	AC07/P07	AC07/P07 (ITS)		
	C59	579+25	1.4 (4.5)	1	CA59	4" O.D. Core	AC01/P01	AC02/P02	AC07/P07	AC07/P07 (ITS)		
	C60	579+25	0.9 (3)	1	CA60	4" O.D. Core	AC01/P01	AC02/P02	AC07/P07	AC07/P07 (ITS)		