



U.S. Department
of Transportation

**Federal Highway
Administration**

Memorandum

6300 Georgetown Pike
McLean, Virginia 22101

Subject: **ACTION:** LTPP Directive S-17
Assignment of SHRP_ID to Test Sections Accepted
into SPS-10 and Future SPS Experiments for the
Long-Term Pavement Performance Program

Date: July 20, 2015

From: Jane Jiang 
Long Term Pavement Performance Team

Reply to

Attn of: HRDI-30

To: Mr. Gabe Cimini, PM - LTPP North Atlantic Regional Contract
Mr. Gabe Cimini, PM - LTPP North Central Regional Contract
Mr. James Sassin, PM - LTPP Southern Regional Contract
Mr. Kevin Senn, PM - LTPP Western Regional Contract

Attached is Long Term Pavement Performance (LTPP) Program Directive S-17. This directive addresses the issue of the assignment of SHRP_ID to accepted projects in SPS-10 and future Specific Pavement Study (SPS) experimental projects. SHRP_ID is part of the primary key field used in the LTPP database for most tables. This directive also supersedes guidelines related to assignment of SHRP_ID contained SPS-10 experiment documentation. All assignments of SHRP_ID in future SPS experiments shall follow these guidelines. Please ensure that all personnel involved with the process are aware of this new directive.

Should you have any questions concerning this directive, please do not hesitate to contact me on (202) 493-3149 or jane.jiang@fhwa.dot.gov.

Attachment

FHWA:HRDI-30:JJiang:JHarris:493-3149:0720/15

File: M:\LTPP Directives\Distress\S-17

cc:

Jonathon Groeger (TSSC)

Jane Jiang

Directive Binder

Official File

LONG TERM PAVEMENT PERFORMANCE PROGRAM DIRECTIVE



For the Technical Direction of the LTPP Program



Program Area:	SPS Support	Directive Number: S-17
Date:	July 14, 2015	Supersedes: N/A
Subject:	Assignment of SHRP_ID to Test Sections Accepted into SPS-10 and Future SPS Experiments	

INTRODUCTION

This directive addresses the issue of the assignment of SHRP_ID to accepted projects in SPS-10 and future Specific Pavement Study (SPS) experimental projects. SHRP_ID is part of the primary key field used in the LTPP database for most tables. This directive supersedes guidelines related to assignment of SHRP_ID contained SPS-10 experiment documentation. All assignments of SHRP_ID in future SPS experiments shall follow these guidelines.

SHRP_ID Assignment Guidelines

The following guidelines shall be followed in assigning the 4 character SHRP_ID code to physical signage designation of test section locations, pavement markings, data forms, material sample numbers, FWD measurements, profile measurement, AIMS data, distress photos, traffic data collection measurements and all other data collection file naming and data storage conventions which include SHRP_ID in the name convention.

For convenience, the 4 characters in SHRP_ID will be referenced in this directive using the following position designations starting from the left:

[1] [2] [3] [4]

Where

- | | | |
|-----|---|--|
| [1] | - | Represents the first left most character in SHRP_ID |
| [2] | - | Represents the second character from the left in SHRP_ID |
| [3] | - | Represents the third character from the left in SHRP_ID |
| [4] | - | Represents the fourth character from the left in SHRP_ID |

For example, in the SHRP_ID = "BA01", position [1] =B, position [2] =A, position [3] =0, and position [4] =1.

Assignment of Position 1 in SHRP_ID

Position 1 indicates the order of construction of logical SPS project sites with a given state or province defined by a unique STATE_CODE. The assignment starts with the character “A” that is assigned to the first project, and all test sections located on that project in the same direction of traffic, at the first SPS logical project site constructed within a jurisdiction defined by STATE_CODE.

A logical site is defined as a set of core, auxiliary, and supplemental test sections constructed in the same direction of traffic. Sections located at the same project site but situated on opposite sides of the roadway shall be assigned a different letter in position 1.

For subsequent SPS projects constructed within the same state or province, position 1 is incremented to the next letter in alphabetical order. Character “B” is assigned to position 1 for the second project constructed or second logical site, character “C” for the third project site, etc. Please contact FHWA if more than 26 projects of the same SPS experiment designation are constructed within the same state or province.

Assignment of Position 2 in SHRP_ID

Position 2 indicates the SPS experiment designation in accordance with the following assignment rules:

Character Assigned to Position 2	SPS Experiment Number
A	10
B	11
C	12
D	13
E	14
F	15
G	16
H	17
	.
	.
	.
Z	35

Assignment of Positions 3 and 4 in SHRP_ID

Positions 3 and 4 indicate the test section number or project level designation which are typically indicated in the construction guidelines document for each SPS experiment. These characters are assigned in accordance with the following rules:

Characters Assigned to Positions 3 and 4	Description
00	Project level ID
01-58	SPS experiment designated section ID
59-99	Agency supplemental sections

General notes on assigning values to these fields:

- The contents of these fields are numbers.
- 00 (zero, zero) is reserved for project level identification.
- The SPS experiment designated section ID is defined by the experimental guidelines. While this ID typically applies to core experimental test sections, it can also apply to supplemental test sections included in the formal experiment design.
- The agency design standard auxiliary test section is designated as standard design for the construction event included in the experiment design. The auxiliary test section only exists in situations where the newly constructed pavement sections included in the SPS experiment matches the type of construction event for the project planned by the highway agency and is not already defined as a core test section in the experiment design. Not all SPS experiments are required to have a matching agency design standard auxiliary test section. If in doubt on assignment of the auxiliary agency test section, an agency supplemental test sections numbering should be used.
- Agency supplemental test sections are those test sections constructed at a SPS project site which are in addition to the core test sections and possible supplemental sections defined in the formal experimental design, which the agency has included in their project nomination submission. Supplemental sections should be included in the formal project acceptance agreement between LTPP and the participating agency. Preferred practice is to use 60 as the first supplemental text section encountered on the project in the direction of travel, and increment each additional test section by one, increasing in the direction of travel.

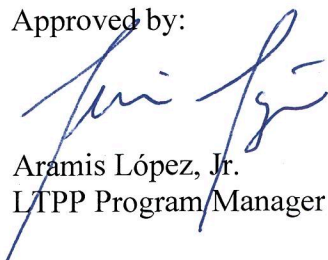
Examples

Illustrative examples of this naming convention include the following:

BA01 - Core test section 01, at the second SPS-10 logical project site in a state or province.
AA03 - Core test section 03, at the first SPS-10 logical project site in a state or province.
BA03 - Core test section 03, at the second SPS-10 logical project site in a state or province.
AB60 - Agency supplemental test section on first SPS-11 project site in a state or province.
CC02 - Core test section 02, on the third SPS-12 logical project site in a state or province.

Prepared by: TSSC Team

Approved by:



Aramis López, Jr.
LTPP Program Manager