APPENDIX A
DISTRESS SURVEY FORMS

The distress survey forms included in this appendix were developed by Caltrans (Caltrans, 2002 and 2003). They have been used in prior experimental projects and were used as the basis for collecting distress survey data from the performance evaluation sections in each of the RAC Warranty projects. The forms and overall procedure are the proposed standard for all experimental projects.

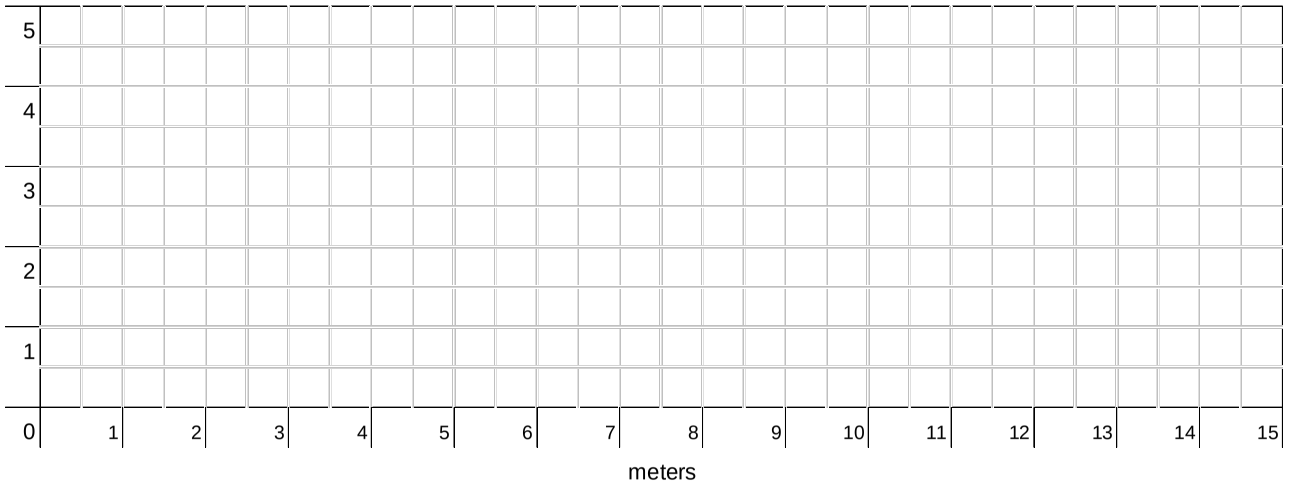
The forms are designed for use on 150-m (500-ft) performance evaluation sections (PESs). The first five forms are used to graphically record the type of distress observed in 15-m (100-ft) intervals along the PES. The last five tables are for recording the actual severity and extent associated with each distress within those same 15-m (100-ft) intervals.

DISTRESS MAP (PAGE 1)

Project Name: _____ EA#: _____ Date: _____

Test Section: _____ PES ID: _____ Surveyor: _____

ID	Distress Type
1	Longitudinal cracking
2	Fatigue cracking
3	Transverse cracking
4	Reflective cracking
5	Block cracking
6	Edge cracking
7	Rutting
8	Corrugation
9	Shoving
10	Depression
11	Overlay bumps
12	Delamination
13	Potholes
14	Patching
15	Raveling
16	Stripping
17	Polished aggregate
18	Pumping
19	Segregation
20	Checking
21	Bleeding



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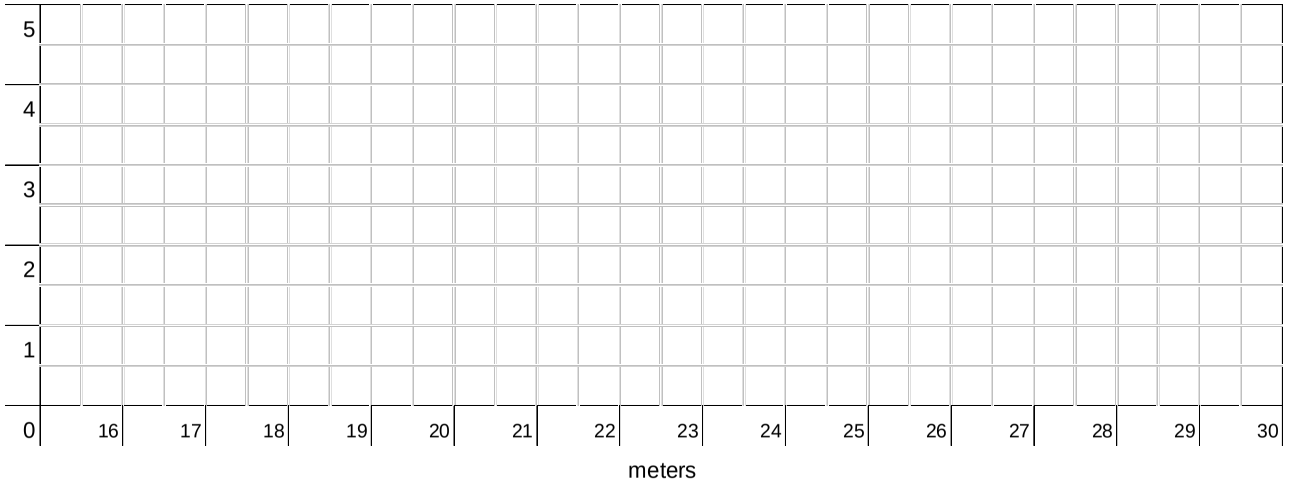


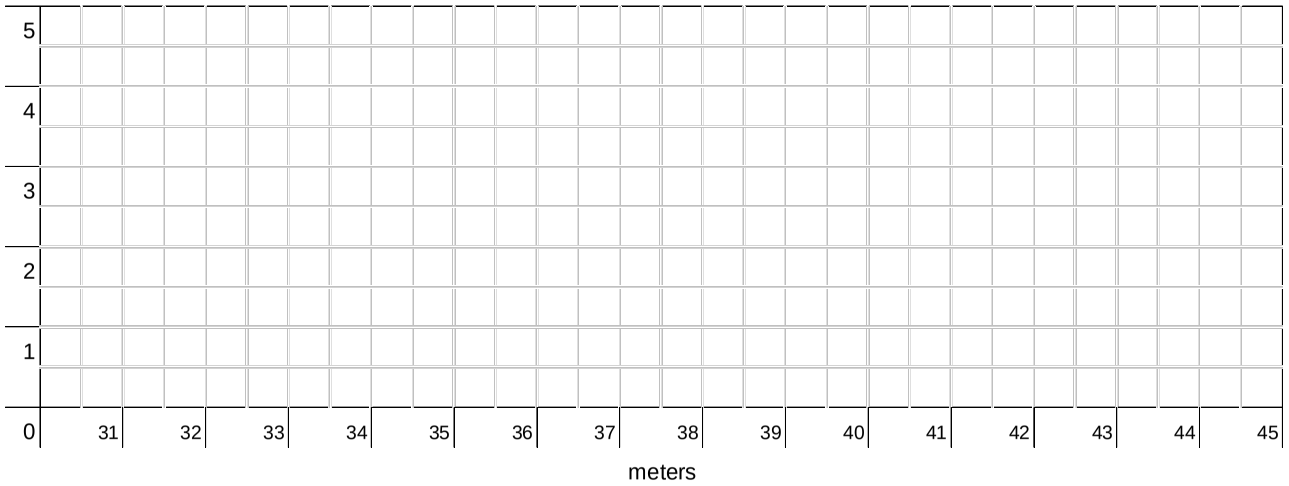
Comments: _____

DISTRESS MAP (PAGE 2)

Project Name: _____ EA#: _____ Date: _____

Test Section: _____ PES ID: _____ Surveyor: _____

ID	Distress Type
1	Longitudinal cracking
2	Fatigue cracking
3	Transverse cracking
4	Reflective cracking
5	Block cracking
6	Edge cracking
7	Rutting
8	Corrugation
9	Shoving
10	Depression
11	Overlay bumps
12	Delamination
13	Potholes
14	Patching
15	Raveling
16	Stripping
17	Polished aggregate
18	Pumping
19	Segregation
20	Checking
21	Bleeding



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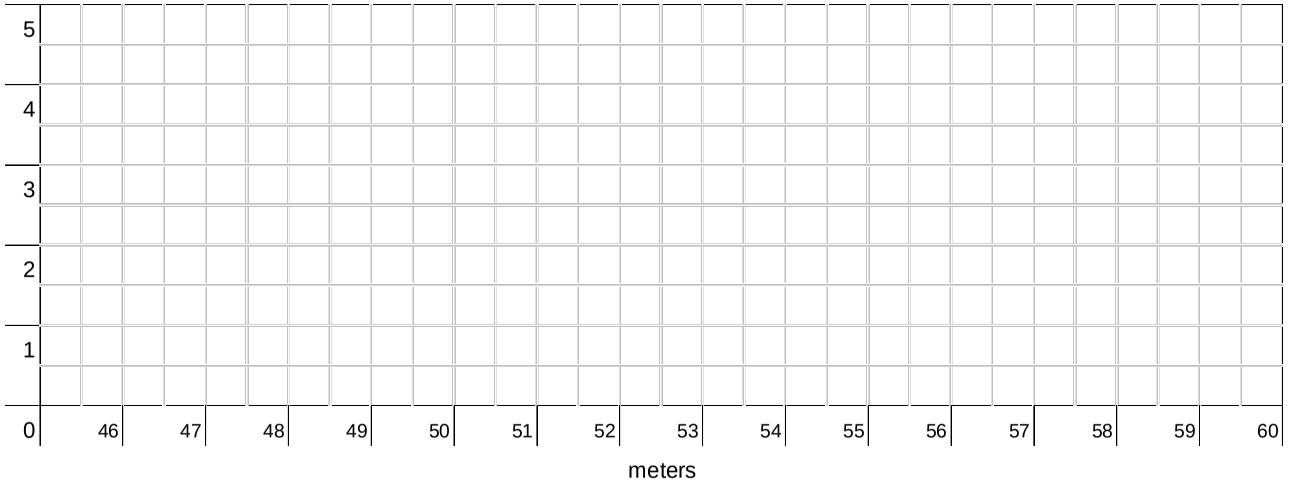


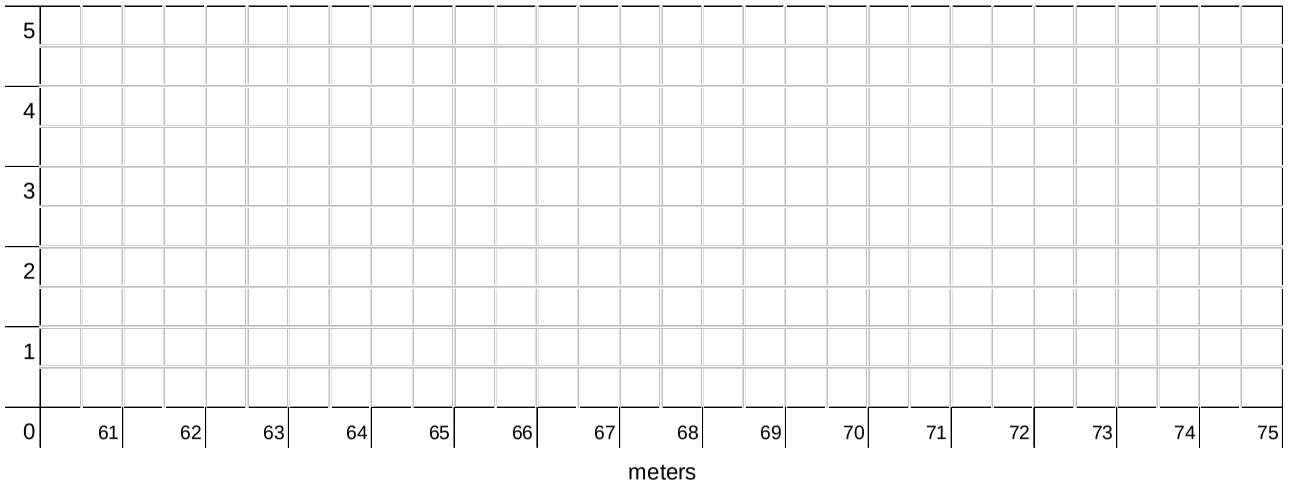
Comments: _____

DISTRESS MAP (PAGE 3)

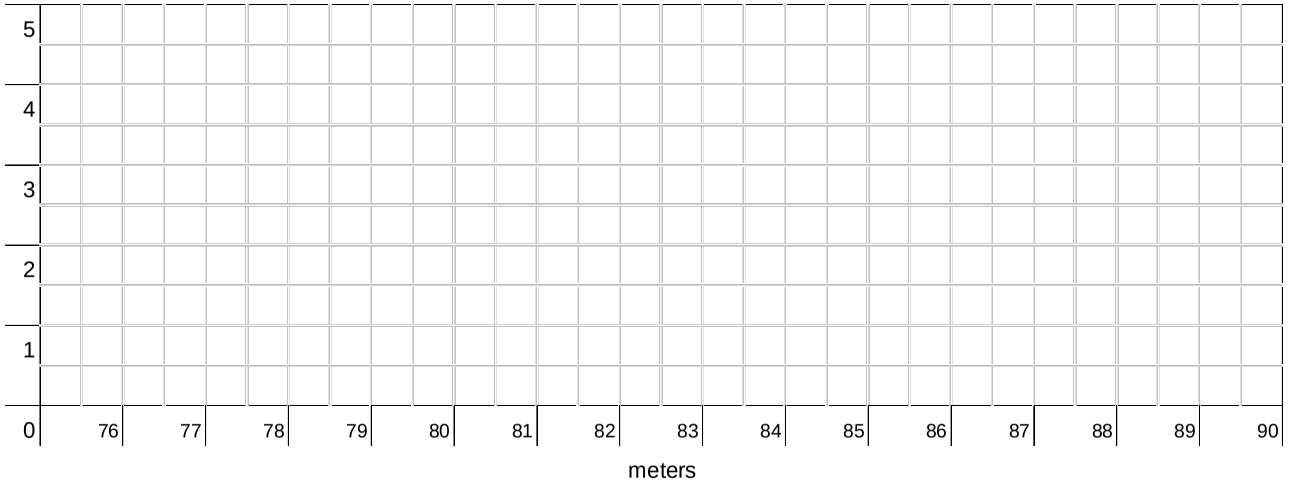
Project Name: _____ EA#: _____ Date: _____

Test Section: _____ PES ID: _____ Surveyor: _____

ID	Distress Type
1	Longitudinal cracking
2	Fatigue cracking
3	Transverse cracking
4	Reflective cracking
5	Block cracking
6	Edge cracking
7	Rutting
8	Corrugation
9	Shoving
10	Depression
11	Overlay bumps
12	Delamination
13	Potholes
14	Patching
15	Raveling
16	Stripping
17	Polished aggregate
18	Pumping
19	Segregation
20	Checking
21	Bleeding



Comments: _____



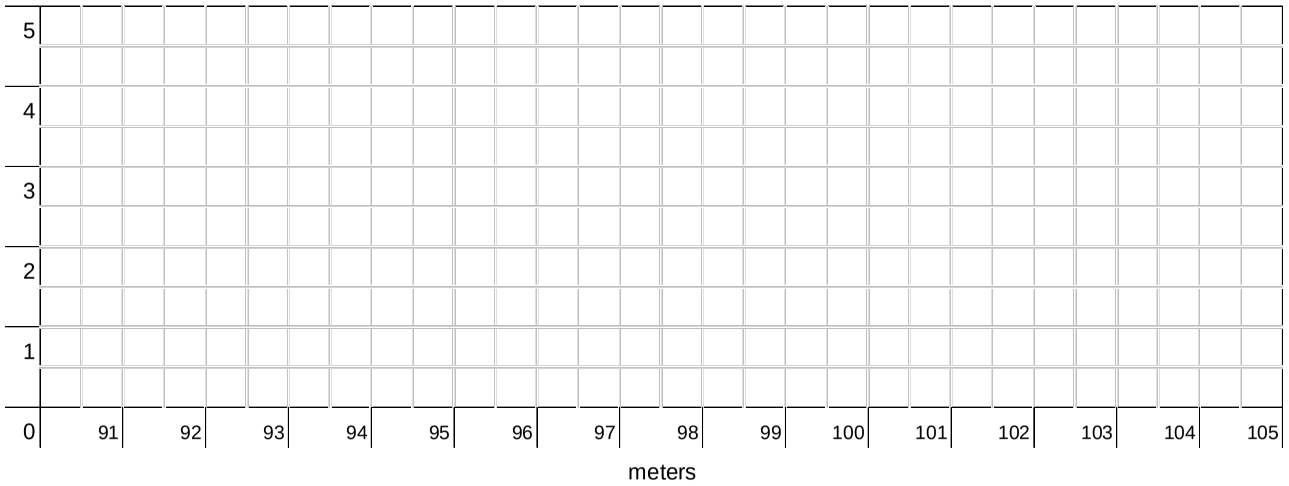
Comments: _____

DISTRESS MAP (PAGE 4)

Project Name: _____ EA#: _____ Date: _____

Test Section: _____ PES ID: _____ Surveyor: _____

ID	Distress Type
1	Longitudinal cracking
2	Fatigue cracking
3	Transverse cracking
4	Reflective cracking
5	Block cracking
6	Edge cracking
7	Rutting
8	Corrugation
9	Shoving
10	Depression
11	Overlay bumps
12	Delamination
13	Potholes
14	Patching
15	Raveling
16	Stripping
17	Polished aggregate
18	Pumping
19	Segregation
20	Checking
21	Bleeding



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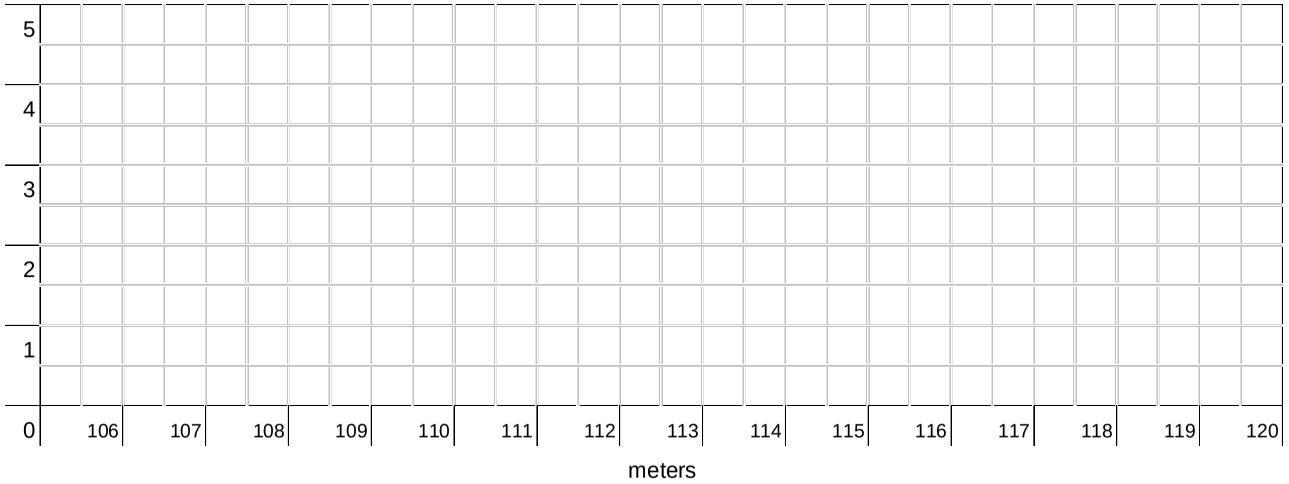


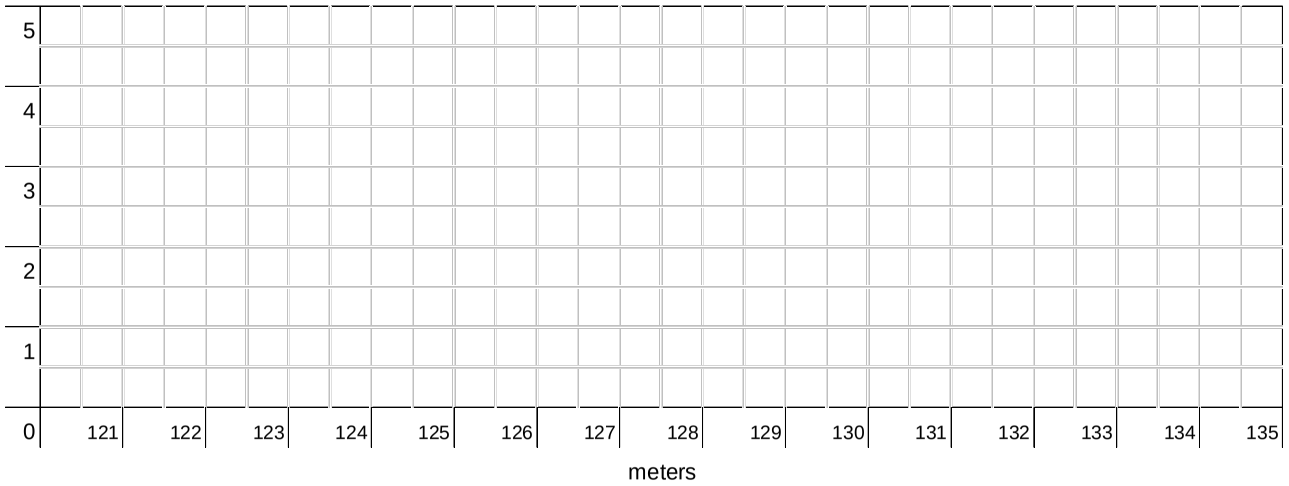
Comments: _____

DISTRESS MAP (PAGE 5)

Project Name: _____ EA#: _____ Date: _____

Test Section: _____ PES ID: _____ Surveyor: _____

ID	Distress Type
1	Longitudinal cracking
2	Fatigue cracking
3	Transverse cracking
4	Reflective cracking
5	Block cracking
6	Edge cracking
7	Rutting
8	Corrugation
9	Shoving
10	Depression
11	Overlay bumps
12	Delamination
13	Potholes
14	Patching
15	Raveling
16	Stripping
17	Polished aggregate
18	Pumping
19	Segregation
20	Checking
21	Bleeding



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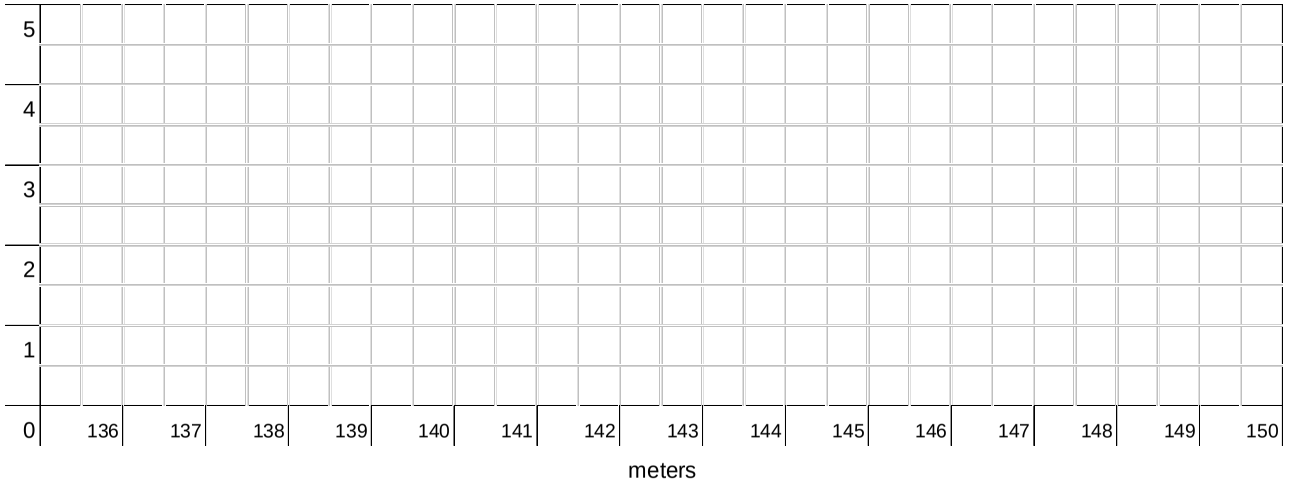


Comments: _____

DISTRESS SURVEY SUMMARY FOR PERFORMANCE EVALUATION SECTION (PAGE 1)

DATE OF DISTRESS SURVEY: _____ EA # _____

SURVEYORS INITIALS: _____ COUNTY _____

PHOTOS, VIDEO, OR BOTH WITH SURVEY (P,V,E _____ PES ID# _____

AIR TEMP BEFORE ____ °C AFTER ____ °C

PAVEMENT SURFACE TEMP BEFORE ____ °C AFTER ____ °C

			SUBSECTION AND SEVERITY LEVEL																	
			1			2			3			4			5			SUM		
			0-30 (m) [0-100 (ft)]			30-60 (m) [100-200 (ft)]			60-90 (m) [200-300 (ft)]			90-120 (m) [300-400 (ft)]			120-150 (m) [400-500 (ft)]					
	ITEM NO.	DISTRESS TYPE	L	M	H	L	M	H	L	M	H	L	M	H	L	M	H	L	M	H
CRACKING	1	LONGITUDINAL NON-WHEELPATH (a)																		
	2a	FATIGUE (Long. in wheelpath) (a)																		
	2b	FATIGUE (b)																		
	3	TRANSVERSE (c)																		
	4	REFLECTIVE (c)																		
	5	BLOCK (b)																		
	6	EDGE (a)																		
DEFORMATION	7	RUTTING (d)																		
	8	CORRUGATION (b)																		
	9	SHOVING (e)																		
	10	DEPRESSION (b)																		
	11	OVERLAY BUMPS (c)																		

a = Length, meter; b = Area, square meter; c = Number and length, meter; d = Maximum depth, mm; e = Number and square meter; f = Yes/No/Unknown

DISTRESS SURVEY SUMMARY FOR PERFORMANCE EVALUATION SECTION (PAGE 2)

DATE OF DISTRESS SURVEY: _____ EA # _____

SURVEYORS INITIALS: _____ COUNTY _____

PHOTOS, VIDEO, OR BOTH WITH SURVEY (P,V,E _____ PES ID# _____

AIR TEMP BEFORE ____ °C AFTER ____ °C

PAVEMENT SURFACE TEMP BEFORE ____ °C AFTER ____ °C

			SUBSECTION AND SEVERITY LEVEL																	
			1			2			3			4			5			SUM		
			0-30 (m) [0-100 (ft)]			30-60 (m) [100-200 (ft)]			60-90 (m) [200-300 (ft)]			90-120 (m) [300-400 (ft)]			120-150 (m) [400-500 (ft)]					
	ITEM NO.	DISTRESS TYPE	L	M	H	L	M	H	L	M	H	L	M	H	L	M	H	L	M	H
DETERIORATION	12	DELAMINATION (b)																		
	13	POTHOLES (e)																		
	14	PATCHING (e)																		
	15	RAVELING (b)																		
	16	STRIPPING (f)																		
	17	POLISHED AGGREGATE (b)																		
	18	PUMPING (c)																		
MAT PROBLEMS	19	SEGREGATION (b)																		
	20	CHECKING (b)																		
	21	BLEEDING (b)																		

COMMENTS: _____

a = Length, meter; b = Area, square meter; c = Number and length, meter; d = Maximum depth, mm; e = Number and square meter; f = Yes/No/Unknown

RUTTING MEASUREMENTS SUMMARY FOR PERFORMANCE EVALUATION SECTION (PAGE 3)

DATE OF DISTRESS SURVEY: _____ EA # _____

SURVEYORS INITIALS: _____ COUNTY _____

PHOTOS, VIDEO, OR BOTH WITH SURVEY (P,V,B) _____ PES ID# _____

AIR TEMP BEFORE _____ °C AFTER _____ °C

PAVEMENT SURFACE TEMP BEFORE _____ °C AFTER _____ °C

			LONGITUDINAL DISTANCE										
			0 (m) (0 ft)	15 (m) (50 ft)	30 (m) (100 ft)	45 (m) (150 ft)	60 (m) (200 ft)	75 (m) (250 ft)	90 (m) (300 ft)	105 (m) (350 ft)	120 (m) (400 ft)	135 (m) (450 ft)	150 (m) (500 ft)
TRANSVERSE DISTANCE	EDGE OF PAVEMENT	Depth (mm)											
		Location (m)											
	WHEEL PATH	Depth (mm)											
		Location (m)											
	MID LANE	Depth (mm)											
		Location (m)											
	WHEEL PATH	Depth (mm)											
		Location (m)											
	CENTER LINE	Depth (mm)											
		Location (m)											

COMMENTS: _____

APPENDIX B
DEFLECTION TEST PROTOCOL FOR CALTRANS PES

B.1 Overview

Pavement surface deflections are a structural response of the pavement system to an applied load and provide the basis for:

- Evaluating pavement structural capacity,
- Assessing the variability of existing support,
- Characterizing the in-situ material properties of the layers, and
- Developing rational rehabilitation designs.

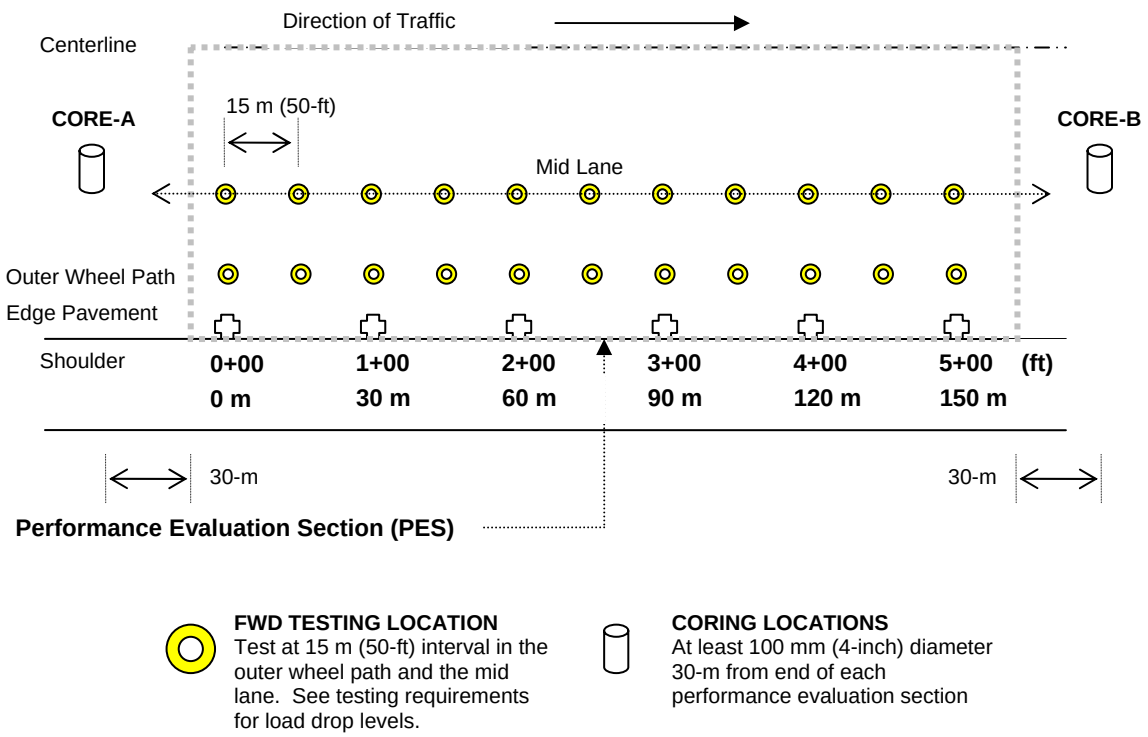
For the purpose of collecting deflection data on a Caltrans performance evaluation section (PES), which has a length of 152.4 m (500 ft), the deflections should be measured at specific, pre-determined locations under certain load levels with specific sensor configurations, for a desired monitoring period. These conditions must be followed for the data to be meaningful and useful. Procedures associated with the FWD testing on PESs are described below.

B.2 FWD Test Requirements

Based on an evaluation of the schemes, a proposed FWD test plan was developed following extensive discussions with Caltrans and UC PPRC. The recommended FWD test requirements are summarized in Table B.1.

Table B.1. Summary of FWD testing requirements.

Item	Description	Comments
Sensor Layout (Configuration)	Distance from load plate: 0, 203, 305, 610, 914, 1219, 1524 mm (0, 8, 12, 24, 36, 48, and 60 inches)	Requires only seven sensors.
Load Drop Sequence and Magnitude	1. 40.0 kN (9 kip, seating load, do not store) 2. 26.7 kN (6 kip) 3. 40.0 kN (9 kip) 4. 53.4 kN (12 kip)	Only one drop at each load level.
Air and Pavement Temperatures	At each test location	Temperatures measured using device mounted on the FWD.
Test Locations	1. Outer wheel path, 11 deflections 2. Mid-lane, 11 deflections	Test at 15 m (50 ft) intervals. See Figure B.1.



Note: Not to Scale

Figure B.1. FWD test locations for Caltrans PESs.

APPENDIX C
PAVEMENT CONDITION SURVEY RESULTS

APPENDIX C.1

Ventura County, Highway 150
(EA 07-105484)

Table C.1.1 Condition survey data for section EB-1.

	Item No.	Distress Type	Survey Date February 9, 2005					
			L		M		H	
Cracking	1	Longitudinal Wheel Path (a)	0		0		0	
	1a	Longitudinal Non-Wheel Path (a)	0		0		0	
	2	Fatigue (b)	0		0		0	
	3	Transverse (c)	0	0	0	0	0	0
	4	Reflective (c)	0	0	0	0	0	0
	5	Block (b)	0		0		0	
	6	Edge (a)	0		0		0	
Deformation	7	Rutting (d)	Not Measured					
	8	Corrugation (b)	0					
	9	Shoving (e)	0			0		
	10	Depression (b)	0					
	11	Overlay Bumps (c)	0			0		
	12	Delamination (b)	0					
Deterioration	13	Potholes (e)	0	0	0	0	0	0
	14	Patching (e)	0	0	0	0	0	0
	15	Raveling (b)	0		0		0	
	16	Stripping (f)	0					
	17	Polished Aggregate (b)	0					
	18	Water Bleeding (c)	0		0		0	
Mat Prob.	19	Segregation (b)	0					
	20	Checking (b)	0					
	21	Bleeding (b)	0		0		0	

a=Length; b=Area, square meter; c=Number and length; meter; d=Maximum depth, mm; e=Number and square meter; f=Yes/No/Unknown

Figure C.1.1. Full-length and close-up views of section EB-1

Table C.1.2 Condition survey data for section EB-2.

	Item No.	Distress Type	Survey Date February 9, 2005					
			L		M		H	
Cracking	1	Longitudinal Wheel Path (a)	0		0		0	
	1a	Longitudinal Non-Wheel Path (a)	0		0		0	
	2	Fatigue (b)	0		0		0	
	3	Transverse (c)	0	0	0	0	0	0
	4	Reflective (c)	0	0	0	0	0	0
	5	Block (b)	0		0		0	
	6	Edge (a)	0		0		0	
Deformation	7	Rutting (d)	Not Measured					
	8	Corrugation (b)	0					
	9	Shoving (e)	0			0		
	10	Depression (b)	0					
	11	Overlay Bumps (c)	0			0		
	12	Delamination (b)	0					
Deterioration	13	Potholes (e)	0	0	0	0	0	0
	14	Patching (e)	0	0	0	0	0	0
	15	Raveling (b)	0		0		0	
	16	Stripping (f)	0					
	17	Polished Aggregate (b)	0					
	18	Water Bleeding (c)	0		0		0	
Mat Prob.	19	Segregation (b)	0					
	20	Checking (b)	0					
	21	Bleeding (b)	0		0		0	

a=Length; b=Area, square meter; c=Number and length; meter; d=Maximum depth, mm; e=Number and square meter; f=Yes/No/Unknown

Figure C.1.2. Full-length and close-up views of section EB-2

Table C.1.3 Condition survey data for section WB-3.

	Item No.	Distress Type	Survey Date February 9, 2005					
			L		M		H	
Cracking	1	Longitudinal Wheel Path (a)	0		0		0	
	1a	Longitudinal Non-Wheel Path (a)	0		0		0	
	2	Fatigue (b)	0		0		0	
	3	Transverse (c)	9	20.5	0	0	0	0
	4	Reflective (c)	0	0	0	0	0	0
	5	Block (b)	0		0		0	
	6	Edge (a)	0		0		0	
Deformation	7	Rutting (d)	Not Measured					
	8	Corrugation (b)	0					
	9	Shoving (e)	0			0		
	10	Depression (b)	0					
	11	Overlay Bumps (c)	0			0		
	12	Delamination (b)	0					
Deterioration	13	Potholes (e)	0	0	0	0	0	0
	14	Patching (e)	0	0	0	0	0	0
	15	Raveling (b)	0		0		0	
	16	Stripping (f)	0					
	17	Polished Aggregate (b)	0					
	18	Water Bleeding (c)	0		0		0	
Mat Prob.	19	Segregation (b)	0					
	20	Checking (b)	0					
	21	Bleeding (b)	0		0		0	

a=Length; b=Area, square meter; c=Number and length; meter;
d=Maximum depth, mm; e=Number and square meter;
f=Yes/No/Unknown

Figure C.1.3. Full-length and close-up views of section WB-3

Table C.1.4 Condition survey data for section WB-4.

	Item No.	Distress Type	Survey Date February 9, 2005					
			L		M		H	
Cracking	1	Longitudinal Wheel Path (a)	0		0		0	
	1a	Longitudinal Non-Wheel Path (a)	0		0		0	
	2	Fatigue (b)	0		0		0	
	3	Transverse (c)	0	0	0	0	0	0
	4	Reflective (c)	0	0	0	0	0	0
	5	Block (b)	0		0		0	
	6	Edge (a)	0		0		0	
Deformation	7	Rutting (d)	Not Measured					
	8	Corrugation (b)	0					
	9	Shoving (e)	0			0		
	10	Depression (b)	0					
	11	Overlay Bumps (c)	0			0		
	12	Delamination (b)	0					
Deterioration	13	Potholes (e)	0	0	0	0	0	0
	14	Patching (e)	0	0	0	0	0	0
	15	Raveling (b)	0		0		0	
	16	Stripping (f)	0					
	17	Polished Aggregate (b)	0					
	18	Water Bleeding (c)	0		0		0	
Mat Prob.	19	Segregation (b)	0					
	20	Checking (b)	0					
	21	Bleeding (b)	0		0		0	

a=Length; b=Area, square meter; c=Number and length; meter; d=Maximum depth, mm; e=Number and square meter; f=Yes/No/Unknown

Figure C.1.4. Full-length and close-up views of section WB-4

Table C.1.5 Condition survey data for section WB-5.

	Item No.	Distress Type	Survey Date February 9, 2005					
			L		M		H	
Cracking	1	Longitudinal Wheel Path (a)	0		0		0	
	1a	Longitudinal Non-Wheel Path (a)	0		0		0	
	2	Fatigue (b)	0		0		0	
	3	Transverse (c)	1	1	0	0	0	0
	4	Reflective (c)	0	0	0	0	0	0
	5	Block (b)	0		0		0	
	6	Edge (a)	0		0		0	
Deformation	7	Rutting (d)	Not Measured					
	8	Corrugation (b)	0					
	9	Shoving (e)	0			0		
	10	Depression (b)	0					
	11	Overlay Bumps (c)	0			0		
	12	Delamination (b)	0					
Deterioration	13	Potholes (e)	0	0	0	0	0	0
	14	Patching (e)	0	0	0	0	0	0
	15	Raveling (b)	0		0		0	
	16	Stripping (f)	0					
	17	Polished Aggregate (b)	0					
	18	Water Bleeding (c)	0		0		0	
Mat Prob.	19	Segregation (b)	0					
	20	Checking (b)	0					
	21	Bleeding (b)	0		0		0	

a=Length; b=Area, square meter; c=Number and length; meter; d=Maximum depth, mm; e=Number and square meter; f=Yes/No/Unknown

Figure C.1.5. Full-length and close-up views of section WB-5

Table C.1.6 Condition survey data for section WB-6.

	Item No.	Distress Type	Survey Date February 9, 2005					
			L		M		H	
Cracking	1	Longitudinal Wheel Path (a)	0		0		0	
	1a	Longitudinal Non-Wheel Path (a)	0		0		0	
	2	Fatigue (b)	0		0		0	
	3	Transverse (c)	0	0	0	0	0	0
	4	Reflective (c)	0	0	0	0	0	0
	5	Block (b)	0		0		0	
	6	Edge (a)	0		0		0	
Deformation	7	Rutting (d)	Not Measured					
	8	Corrugation (b)	0					
	9	Shoving (e)	0			0		
	10	Depression (b)	0					
	11	Overlay Bumps (c)	0			0		
	12	Delamination (b)	0					
Deterioration	13	Potholes (e)	0	0	0	0	0	0
	14	Patching (e)	0	0	0	0	0	0
	15	Raveling (b)	0		0		0	
	16	Stripping (f)	0					
	17	Polished Aggregate (b)	0					
	18	Water Bleeding (c)	0		0		0	
Mat Prob.	19	Segregation (b)	0					
	20	Checking (b)	0					
	21	Bleeding (b)	0		0		0	

a=Length; b=Area, square meter; c=Number and length; meter; d=Maximum depth, mm; e=Number and square meter; f=Yes/No/Unknown

Figure C.1.6. Full-length and close-up views of section WB-6

APPENDIX C.2

Fresno County, Highway 33
(EA 06-343534)

Table C.2.1 Condition survey data for section NB-1.

	Item No.	Distress Type	Survey Date February 14, 2005					
			L		M		H	
Cracking	1	Longitudinal Wheel Path (a)	0		0		0	
	1a	Longitudinal Non-Wheel Path (a)	0		0		0	
	2	Fatigue (b)	0		0		0	
	3	Transverse (c)	0	0	0	0	0	0
	4	Reflective (c)	0	0	0	0	0	0
	5	Block (b)	0		0		0	
	6	Edge (a)	0		0		0	
Deformation	7	Rutting (d)	Not Tested					
	8	Corrugation (b)	0					
	9	Shoving (e)	0			0		
	10	Depression (b)	0					
	11	Overlay Bumps (c)	0			0		
	12	Delamination (b)	0					
Deterioration	13	Potholes (e)	0	0	0	0	0	0
	14	Patching (e)	0	0	0	0	0	0
	15	Raveling (b)	0		0		0	
	16	Stripping (f)	0					
	17	Polished Aggregate (b)	0					
	18	Water Bleeding (c)	0		0		0	
Mat Prob.	19	Segregation (b)	0					
	20	Checking (b)	0					
	21	Bleeding (b)	0		0		0	

a=Length; b=Area, square meter; c=Number and length; meter; d=Maximum depth, mm; e=Number and square meter; f=Yes/No/Unknown

Figure C.2.1. Full-length and close-up views of section NB-1

Table C.2.2 Condition survey data for section NB-2.

	Item No.	Distress Type	Survey Date February 14, 2005					
			L		M		H	
Cracking	1	Longitudinal Wheel Path (a)	0		0		0	
	1a	Longitudinal Non-Wheel Path (a)	0		0		0	
	2	Fatigue (b)	0		0		0	
	3	Transverse (c)	0	0	0	0	0	0
	4	Reflective (c)	0	0	0	0	0	0
	5	Block (b)	0		0		0	
	6	Edge (a)	0		0		0	
Deformation	7	Rutting (d)	Not Tested					
	8	Corrugation (b)	0					
	9	Shoving (e)	0			0		
	10	Depression (b)	0					
	11	Overlay Bumps (c)	0			0		
	12	Delamination (b)	0					
Deterioration	13	Potholes (e)	0	0	0	0	0	0
	14	Patching (e)	0	0	0	0	0	0
	15	Raveling (b)	0		0		0	
	16	Stripping (f)	0					
	17	Polished Aggregate (b)	0					
	18	Water Bleeding (c)	0		0		0	
Mat Prob.	19	Segregation (b)	0					
	20	Checking (b)	0					
	21	Bleeding (b)	0		0		0	

a=Length; b=Area, square meter; c=Number and length; meter; d=Maximum depth, mm; e=Number and square meter; f=Yes/No/Unknown

Figure C.2.2. Full-length and close-up views of section NB-2

Table C.2.3 Condition survey data for section NB-3.

	Item No.	Distress Type	Survey Date February 14, 2005					
			L		M		H	
Cracking	1	Longitudinal Wheel Path (a)	0		0		0	
	1a	Longitudinal Non-Wheel Path (a)	0		0		0	
	2	Fatigue (b)	0		0		0	
	3	Transverse (c)	0	0	0	0	0	0
	4	Reflective (c)	0	0	0	0	0	0
	5	Block (b)	0		0		0	
	6	Edge (a)	0		0		0	
Deformation	7	Rutting (d)	Not Measured					
	8	Corrugation (b)	0					
	9	Shoving (e)	0			0		
	10	Depression (b)	0					
	11	Overlay Bumps (c)	0			0		
	12	Delamination (b)	0					
Deterioration	13	Potholes (e)	0	0	0	0	0	0
	14	Patching (e)	0	0	0	0	0	0
	15	Raveling (b)	0		0		0	
	16	Stripping (f)	0					
	17	Polished Aggregate (b)	0					
	18	Water Bleeding (c)	0		0		0	
Mat Prob.	19	Segregation (b)	0					
	20	Checking (b)	0					
	21	Bleeding (b)	0		0		0	

a=Length; b=Area, square meter; c=Number and length; meter; d=Maximum depth, mm; e=Number and square meter; f=Yes/No/Unknown

Figure C.2.3. Full-length and close-up views of section NB-3

Table C.2.4 Condition survey data for section SB-1.

	Item No.	Distress Type	Survey Date February 14, 2005					
			L		M		H	
Cracking	1	Longitudinal Wheel Path (a)	0		0		0	
	1a	Longitudinal Non-Wheel Path (a)	0		0		0	
	2	Fatigue (b)	0		0		0	
	3	Transverse (c)	0	0	0	0	0	0
	4	Reflective (c)	0	0	0	0	0	0
	5	Block (b)	0		0		0	
	6	Edge (a)	0		0		0	
Deformation	7	Rutting (d)	Not Measured					
	8	Corrugation (b)	0					
	9	Shoving (e)	0			0		
	10	Depression (b)	0					
	11	Overlay Bumps (c)	0			0		
	12	Delamination (b)	0					
Deterioration	13	Potholes (e)	0	0	0	0	0	0
	14	Patching (e)	0	0	0	0	0	0
	15	Raveling (b)	.375		0		0	
	16	Stripping (f)	0					
	17	Polished Aggregate (b)	0					
	18	Water Bleeding (c)	0		0		0	
Mat Prob.	19	Segregation (b)	0					
	20	Checking (b)	0					
	21	Bleeding (b)	0		0		0	

a=Length; b=Area, square meter; c=Number and length; meter; d=Maximum depth, mm; e=Number and square meter; f=Yes/No/Unknown

Figure C.2.4. Full-length and close-up views of section SB-1

Table C.2.5 Condition survey data for section SB-2.

	Item No.	Distress Type	Survey Date February 14, 2005					
			L		M		H	
Cracking	1	Longitudinal Wheel Path (a)	0		0		0	
	1a	Longitudinal Non-Wheel Path (a)	0		0		0	
	2	Fatigue (b)	0		0		0	
	3	Transverse (c)	0	0	0	0	0	0
	4	Reflective (c)	0	0	0	0	0	0
	5	Block (b)	0		0		0	
	6	Edge (a)	0		0		0	
Deformation	7	Rutting (d)	Not Measured					
	8	Corrugation (b)	0					
	9	Shoving (e)	0			0		
	10	Depression (b)	0					
	11	Overlay Bumps (c)	0			0		
	12	Delamination (b)	0					
Deterioration	13	Potholes (e)	0	0	0	0	0	0
	14	Patching (e)	0	0	0	0	0	0
	15	Raveling (b)	0		0		0	
	16	Stripping (f)	0					
	17	Polished Aggregate (b)	0					
	18	Water Bleeding (c)	0		0		0	
Mat Prob.	19	Segregation (b)	0					
	20	Checking (b)	0					
	21	Bleeding (b)	0		0		0	

a=Length; b=Area, square meter; c=Number and length; meter; d=Maximum depth, mm; e=Number and square meter; f=Yes/No/Unknown

Figure C.2.5. Full-length and close-up views of section SB-2

Table C.2.6 Condition survey data for section SB-3.

	Item No.	Distress Type	Survey Date February 14, 2005					
			L		M		H	
Cracking	1	Longitudinal Wheel Path (a)	0		0		0	
	1a	Longitudinal Non-Wheel Path (a)	0		0		0	
	2	Fatigue (b)	0		0		0	
	3	Transverse (c)	0	0	0	0	0	0
	4	Reflective (c)	0	0	0	0	0	0
	5	Block (b)	0		0		0	
	6	Edge (a)	0		0		0	
Deformation	7	Rutting (d)	Not Measured					
	8	Corrugation (b)	0					
	9	Shoving (e)	0			0		
	10	Depression (b)	0					
	11	Overlay Bumps (c)	0			0		
	12	Delamination (b)	0					
Deterioration	13	Potholes (e)	0	0	0	0	0	0
	14	Patching (e)	0	0	0	0	0	0
	15	Raveling (b)	0		0		0	
	16	Stripping (f)	0					
	17	Polished Aggregate (b)	0					
	18	Water Bleeding (c)	0		0		0	
Mat Prob.	19	Segregation (b)	0					
	20	Checking (b)	0					
	21	Bleeding (b)	0		0		0	

a=Length; b=Area, square meter; c=Number and length; meter; d=Maximum depth, mm; e=Number and square meter; f=Yes/No/Unknown

Figure C.2.6. Full-length and close-up views of section SB-3

APPENDIX C.3

Merced County, Highway 140
(EA 10-0A5804)

Table C.3.1 Condition survey data for section WB-1.

	Item No.	Distress Type	Survey Date February 9, 2005					
			L		M		H	
Cracking	1	Longitudinal Wheel Path (a)	0		0		0	
	1a	Longitudinal Non-Wheel Path (a)	0		0		0	
	2	Fatigue (b)	0		0		0	
	3	Transverse (c)	0	0	0	0	0	0
	4	Reflective (c)	0	0	0	0	0	0
	5	Block (b)	0		0		0	
	6	Edge (a)	0		0		0	
Deformation	7	Rutting (d)	Not Measured					
	8	Corrugation (b)	0					
	9	Shoving (e)	0			0		
	10	Depression (b)	0					
	11	Overlay Bumps (c)	0			0		
	12	Delamination (b)	0					
Deterioration	13	Potholes (e)	0	0	0	0	0	0
	14	Patching (e)	0	0	0	0	0	0
	15	Raveling (b)	0		0		0	
	16	Stripping (f)	0					
	17	Polished Aggregate (b)	0					
	18	Water Bleeding (c)	0		0		0	
Mat Prob.	19	Segregation (b)	0					
	20	Checking (b)	0					
	21	Bleeding (b)	0		0		0	

a=Length; b=Area, square meter; c=Number and length; meter; d=Maximum depth, mm; e=Number and square meter; f=Yes/No/Unknown

Figure C.3.1. Full-length and close-up views of section WB-1

Table C.3.2 Condition survey data for section WB-2.

	Item No.	Distress Type	Survey Date February 9, 2005					
			L		M		H	
Cracking	1	Longitudinal Wheel Path (a)	0		0		0	
	1a	Longitudinal Non-Wheel Path (a)	0		0		0	
	2	Fatigue (b)	0		0		0	
	3	Transverse (c)	0	0	0	0	0	0
	4	Reflective (c)	0	0	0	0	0	0
	5	Block (b)	0		0		0	
	6	Edge (a)	0		0		0	
Deformation	7	Rutting (d)	Not Measured					
	8	Corrugation (b)	0					
	9	Shoving (e)	0			0		
	10	Depression (b)	0					
	11	Overlay Bumps (c)	0			0		
	12	Delamination (b)	0					
Deterioration	13	Potholes (e)	0	0	0	0	0	0
	14	Patching (e)	0	0	0	0	0	0
	15	Raveling (b)	0		0		0	
	16	Stripping (f)	0					
	17	Polished Aggregate (b)	0					
	18	Water Bleeding (c)	0		0		0	
Mat Prob.	19	Segregation (b)	0					
	20	Checking (b)	0					
	21	Bleeding (b)	0		0		0	

a=Length; b=Area, square meter; c=Number and length; meter; d=Maximum depth, mm; e=Number and square meter; f=Yes/No/Unknown

Figure C.3.2. Full-length and close-up views of section WB-2

Table C.3.3 Condition survey data for section WB-3.

	Item No.	Distress Type	Survey Date February 9, 2005					
			L		M		H	
Cracking	1	Longitudinal Wheel Path (a)	0		0		0	
	1a	Longitudinal Non-Wheel Path (a)	0		0		0	
	2	Fatigue (b)	0		0		0	
	3	Transverse (c)	9	20.5	0	0	0	0
	4	Reflective (c)	0	0	0	0	0	0
	5	Block (b)	0		0		0	
	6	Edge (a)	0		0		0	
Deformation	7	Rutting (d)	Not Measured					
	8	Corrugation (b)	0					
	9	Shoving (e)	0			0		
	10	Depression (b)	0					
	11	Overlay Bumps (c)	0			0		
	12	Delamination (b)	0					
Deterioration	13	Potholes (e)	0	0	0	0	0	0
	14	Patching (e)	0	0	0	0	0	0
	15	Raveling (b)	0		0		0	
	16	Stripping (f)	0					
	17	Polished Aggregate (b)	0					
	18	Water Bleeding (c)	0		0		0	
Mat Prob.	19	Segregation (b)	0					
	20	Checking (b)	0					
	21	Bleeding (b)	0		0		0	

a=Length; b=Area, square meter; c=Number and length; meter;
d=Maximum depth, mm; e=Number and square meter;
f=Yes/No/Unknown

Figure C.3.3. Full-length and close-up views of section WB-3

Table C.3.4 Condition survey data for section EB-1.

	Item No.	Distress Type	Survey Date February 9, 2005					
			L		M		H	
Cracking	1	Longitudinal Wheel Path (a)	0		0		0	
	1a	Longitudinal Non-Wheel Path (a)	0		0		0	
	2	Fatigue (b)	0		0		0	
	3	Transverse (c)	0	0	0	0	0	0
	4	Reflective (c)	0	0	0	0	0	0
	5	Block (b)	0		0		0	
	6	Edge (a)	0		0		0	
Deformation	7	Rutting (d)	Not Measured					
	8	Corrugation (b)	0					
	9	Shoving (e)	0			0		
	10	Depression (b)	0					
	11	Overlay Bumps (c)	0			0		
	12	Delamination (b)	0					
Deterioration	13	Potholes (e)	0	0	0	0	0	0
	14	Patching (e)	0	0	0	0	0	0
	15	Raveling (b)	0		0		0	
	16	Stripping (f)	0					
	17	Polished Aggregate (b)	0					
	18	Water Bleeding (c)	0		0		0	
Mat Prob.	19	Segregation (b)	0					
	20	Checking (b)	0					
	21	Bleeding (b)	0		0		0	

a=Length; b=Area, square meter; c=Number and length; meter; d=Maximum depth, mm; e=Number and square meter; f=Yes/No/Unknown

Figure C.3.4. Full-length and close-up views of section EB-1

Table C.3.5 Condition survey data for section EB-2.

	Item No.	Distress Type	Survey Date February 9, 2005					
			L		M		H	
Cracking	1	Longitudinal Wheel Path (a)	0		0		0	
	1a	Longitudinal Non-Wheel Path (a)	0		0		0	
	2	Fatigue (b)	0		0		0	
	3	Transverse (c)	1	1	0	0	0	0
	4	Reflective (c)	0	0	0	0	0	0
	5	Block (b)	0		0		0	
	6	Edge (a)	0		0		0	
Deformation	7	Rutting (d)	Not Measured					
	8	Corrugation (b)	0					
	9	Shoving (e)	0			0		
	10	Depression (b)	0					
	11	Overlay Bumps (c)	0			0		
	12	Delamination (b)	0					
Deterioration	13	Potholes (e)	0	0	0	0	0	0
	14	Patching (e)	0	0	0	0	0	0
	15	Raveling (b)	0		0		0	
	16	Stripping (f)	0					
	17	Polished Aggregate (b)	0					
	18	Water Bleeding (c)	0		0		0	
Mat Prob.	19	Segregation (b)	0					
	20	Checking (b)	0					
	21	Bleeding (b)	0		0		0	

a=Length; b=Area, square meter; c=Number and length; meter; d=Maximum depth, mm; e=Number and square meter; f=Yes/No/Unknown

Figure C.3.5. Full-length and close-up views of section EB-2

Table C.3.6 Condition survey data for section EB-3.

	Item No.	Distress Type	Survey Date February 9, 2005					
			L		M		H	
Cracking	1	Longitudinal Wheel Path (a)	0		0		0	
	1a	Longitudinal Non-Wheel Path (a)	0		0		0	
	2	Fatigue (b)	0		0		0	
	3	Transverse (c)	0	0	0	0	0	0
	4	Reflective (c)	0	0	0	0	0	0
	5	Block (b)	0		0		0	
	6	Edge (a)	0		0		0	
Deformation	7	Rutting (d)	Not Measured					
	8	Corrugation (b)	0					
	9	Shoving (e)	0			0		
	10	Depression (b)	0					
	11	Overlay Bumps (c)	0			0		
	12	Delamination (b)	0					
Deterioration	13	Potholes (e)	0	0	0	0	0	0
	14	Patching (e)	0	0	0	0	0	0
	15	Raveling (b)	0		0		0	
	16	Stripping (f)	0					
	17	Polished Aggregate (b)	0					
	18	Water Bleeding (c)	0		0		0	
Mat Prob.	19	Segregation (b)	0					
	20	Checking (b)	0					
	21	Bleeding (b)	0		0		0	

a=Length; b=Area, square meter; c=Number and length; meter; d=Maximum depth, mm; e=Number and square meter; f=Yes/No/Unknown

Figure C.3.6. Full-length and close-up views of section EB-3

APPENDIX C.4

San Diego County, Highway 75
(EA 11-230104)

Table C.4.1 Condition survey data for section SB-1.

	Item No.	Distress Type	Survey Date February 7, 2005					
			L		M		H	
Cracking	1	Longitudinal Wheel Path (a)	0		0		0	
	1a	Longitudinal Non-Wheel Path (a)	0		0		0	
	2	Fatigue (b)	0		0		0	
	3	Transverse (c)	0	0	0	0	0	0
	4	Reflective (c)	0	0	0	0	0	0
	5	Block (b)	0		0		0	
	6	Edge (a)	0		0		0	
Deformation	7	Rutting (d)	Not Measured					
	8	Corrugation (b)	0					
	9	Shoving (e)	0			0		
	10	Depression (b)	0					
	11	Overlay Bumps (c)	0			0		
	12	Delamination (b)	0					
Deterioration	13	Potholes (e)	0	0	0	0	0	0
	14	Patching (e)	0	0	0	0	0	0
	15	Raveling (b)	0		0		0	
	16	Stripping (f)	0					
	17	Polished Aggregate (b)	0					
	18	Water Bleeding (c)	0		0		0	
Mat Prob.	19	Segregation (b)	0					
	20	Checking (b)	0					
	21	Bleeding (b)	0		0		0	

a=Length; b=Area, square meter; c=Number and length; meter; d=Maximum depth, mm; e=Number and square meter; f=Yes/No/Unknown

Figure C.4.1. Full-length and close-up views of section SB-1

Table C.4.2 Condition survey data for section SB-2.

	Item No.	Distress Type	Survey Date February 7, 2005					
			L		M		H	
Cracking	1	Longitudinal Wheel Path (a)	0		0		0	
	1a	Longitudinal Non-Wheel Path (a)	0		0		0	
	2	Fatigue (b)	0		0		0	
	3	Transverse (c)	0	0	0	0	0	0
	4	Reflective (c)	0	0	0	0	0	0
	5	Block (b)	0		0		0	
	6	Edge (a)	0		0		0	
Deformation	7	Rutting (d)	Not Measured					
	8	Corrugation (b)	0					
	9	Shoving (e)	0			0		
	10	Depression (b)	0					
	11	Overlay Bumps (c)	0			0		
	12	Delamination (b)	0					
Deterioration	13	Potholes (e)	0	0	0	0	0	0
	14	Patching (e)	0	0	0	0	0	0
	15	Raveling (b)	0		0		0	
	16	Stripping (f)	0					
	17	Polished Aggregate (b)	0					
	18	Water Bleeding (c)	0		0		0	
Mat Prob.	19	Segregation (b)	0					
	20	Checking (b)	0					
	21	Bleeding (b)	0		0		0	

a=Length; b=Area, square meter; c=Number and length; meter; d=Maximum depth, mm; e=Number and square meter; f=Yes/No/Unknown

Figure C.4.2. Full-length and close-up views of section SB-2

Table C.4.3 Condition survey data for section SB-3.

	Item No.	Distress Type	Survey Date February 7, 2005					
			L		M		H	
Cracking	1	Longitudinal Wheel Path (a)	0		0		0	
	1a	Longitudinal Non-Wheel Path (a)	0		0		0	
	2	Fatigue (b)	0		0		0	
	3	Transverse (c)	0	0	0	0	0	0
	4	Reflective (c)	0	0	0	0	0	0
	5	Block (b)	0		0		0	
	6	Edge (a)	0		0		0	
Deformation	7	Rutting (d)	Not Measured					
	8	Corrugation (b)	0					
	9	Shoving (e)	0			0		
	10	Depression (b)	0					
	11	Overlay Bumps (c)	0			0		
	12	Delamination (b)	0					
Deterioration	13	Potholes (e)	0	0	0	0	0	0
	14	Patching (e)	0	0	0	0	0	0
	15	Raveling (b)	0		0		0	
	16	Stripping (f)	0					
	17	Polished Aggregate (b)	0					
	18	Water Bleeding (c)	0		0		0	
Mat Prob.	19	Segregation (b)	0					
	20	Checking (b)	0					
	21	Bleeding (b)	0		0		0	

a=Length; b=Area, square meter; c=Number and length; meter; d=Maximum depth, mm; e=Number and square meter; f=Yes/No/Unknown

Figure C.4.3. Full-length and close-up views of section SB-3

Table C.4.4 Condition survey data for section SB-4.

	Item No.	Distress Type	Survey Date February 7, 2005					
			L		M		H	
Cracking	1	Longitudinal Wheel Path (a)	0		0		0	
	1a	Longitudinal Non-Wheel Path (a)	0		0		0	
	2	Fatigue (b)	0		0		0	
	3	Transverse (c)	0	0	0	0	0	0
	4	Reflective (c)	0	0	0	0	0	0
	5	Block (b)	0		0		0	
	6	Edge (a)	0		0		0	
Deformation	7	Rutting (d)	Not Measured					
	8	Corrugation (b)	0					
	9	Shoving (e)	0			0		
	10	Depression (b)	0					
	11	Overlay Bumps (c)	0			0		
	12	Delamination (b)	0					
Deterioration	13	Potholes (e)	0	0	0	0	0	0
	14	Patching (e)	0	0	0	0	0	0
	15	Raveling (b)	0		0		0	
	16	Stripping (f)	0					
	17	Polished Aggregate (b)	0					
	18	Water Bleeding (c)	0		0		0	
Mat Prob.	19	Segregation (b)	0					
	20	Checking (b)	0					
	21	Bleeding (b)	0		0		0	

a=Length; b=Area, square meter; c=Number and length; meter; d=Maximum depth, mm; e=Number and square meter; f=Yes/No/Unknown

Figure C.4.4. Full-length and close-up views of section SB-4

APPENDIX C.5

Lassen County, Highway 395
(EA 02-258504)

Table C.5.1 Condition survey data for section NB-1.

	Item No.	Distress Type	Survey Date February 13, 2005					
			L		M		H	
Cracking	1	Longitudinal Wheel Path (a)	0		0		0	
	1a	Longitudinal Non-Wheel Path (a)	0		0		0	
	2	Fatigue (b)	0		0		0	
	3	Transverse (c)	0	0	0	0	0	0
	4	Reflective (c)	0	0	0	0	0	0
	5	Block (b)	0		0		0	
	6	Edge (a)	0		0		0	
Deformation	7	Rutting (d)	0					
	8	Corrugation (b)	0					
	9	Shoving (e)	0			0		
	10	Depression (b)	0					
	11	Overlay Bumps (c)	0			0		
	12	Delamination (b)	0					
Deterioration	13	Potholes (e)	0	0	0	0	0	0
	14	Patching (e)	0	0	0	0	0	0
	15	Raveling (b)	0		0		0	
	16	Stripping (f)	0					
	17	Polished Aggregate (b)	0					
	18	Water Bleeding (c)	0		0		0	
Mat Prob.	19	Segregation (b)	0					
	20	Checking (b)	0					
	21	Bleeding (b)	0		0		0	

a=Length; b=Area, square meter; c=Number and length; meter; d=Maximum depth, mm; e=Number and square meter; f=Yes/No/Unknown

Figure C.5.1. Full-length and close-up views of section NB-1

Table C.5.2 Condition survey data for section NB-2.

	Item No.	Distress Type	Survey Date February 13, 2005					
			L		M		H	
Cracking	1	Longitudinal Wheel Path (a)	0		0		0	
	1a	Longitudinal Non-Wheel Path (a)	0		0		0	
	2	Fatigue (b)	0		0		0	
	3	Transverse (c)	0	0	0	0	0	0
	4	Reflective (c)	0	0	0	0	0	0
	5	Block (b)	0		0		0	
	6	Edge (a)	0		0		0	
Deformation	7	Rutting (d)	0					
	8	Corrugation (b)	0					
	9	Shoving (e)	0			0		
	10	Depression (b)	0					
	11	Overlay Bumps (c)	0			0		
	12	Delamination (b)	0					
Deterioration	13	Potholes (e)	0	0	0	0	0	0
	14	Patching (e)	0	0	0	0	0	0
	15	Raveling (b)	0		0		0	
	16	Stripping (f)	0					
	17	Polished Aggregate (b)	0					
	18	Water Bleeding (c)	0		0		0	
Mat Prob.	19	Segregation (b)	0					
	20	Checking (b)	0					
	21	Bleeding (b)	0		0		0	

a=Length; b=Area, square meter; c=Number and length; meter; d=Maximum depth, mm; e=Number and square meter; f=Yes/No/Unknown

Figure C.5.2. Full-length and close-up views of section NB-2

Table C.5.3 Condition survey data for section NB-3.

	Item No.	Distress Type	Survey Date February 13, 2005					
			L		M		H	
Cracking	1	Longitudinal Wheel Path (a)	0		0		0	
	1a	Longitudinal Non-Wheel Path (a)	0		0		0	
	2	Fatigue (b)	0		0		0	
	3	Transverse (c)	0	0	0	0	0	0
	4	Reflective (c)	0	0	0	0	0	0
	5	Block (b)	0		0		0	
	6	Edge (a)	0		0		0	
Deformation	7	Rutting (d)	0					
	8	Corrugation (b)	0					
	9	Shoving (e)	0			0		
	10	Depression (b)	0					
	11	Overlay Bumps (c)	0			0		
	12	Delamination (b)	0					
Deterioration	13	Potholes (e)	0	0	0	0	0	0
	14	Patching (e)	0	0	0	0	0	0
	15	Raveling (b)	0		0		0	
	16	Stripping (f)	0					
	17	Polished Aggregate (b)	0					
	18	Water Bleeding (c)	0		0		0	
Mat Prob.	19	Segregation (b)	0					
	20	Checking (b)	0					
	21	Bleeding (b)	0		0		0	

a=Length; b=Area, square meter; c=Number and length; meter; d=Maximum depth, mm; e=Number and square meter; f=Yes/No/Unknown

Figure C.5.3. Full-length and close-up views of section NB-3

Table C.5.4 Condition survey data for section NB-4.

	Item No.	Distress Type	Survey Date February 9, 2005					
			L		M		H	
Cracking	1	Longitudinal Wheel Path (a)	0		0		0	
	1a	Longitudinal Non-Wheel Path (a)	0		0		0	
	2	Fatigue (b)	0		0		0	
	3	Transverse (c)	0	0	0	0	0	0
	4	Reflective (c)	0	0	0	0	0	0
	5	Block (b)	0		0		0	
	6	Edge (a)	0		0		0	
Deformation	7	Rutting (d)	0					
	8	Corrugation (b)	0					
	9	Shoving (e)	0			0		
	10	Depression (b)	0					
	11	Overlay Bumps (c)	0			0		
	12	Delamination (b)	0					
Deterioration	13	Potholes (e)	0	0	0	0	0	0
	14	Patching (e)	0	0	0	0	0	0
	15	Raveling (b)	0		0		0	
	16	Stripping (f)	0					
	17	Polished Aggregate (b)	0					
	18	Water Bleeding (c)	0		0		0	
Mat Prob.	19	Segregation (b)	0					
	20	Checking (b)	0					
	21	Bleeding (b)	0		0		0	

a=Length; b=Area, square meter; c=Number and length; meter; d=Maximum depth, mm; e=Number and square meter; f=Yes/No/Unknown

Figure C.5.4. Full-length and close-up views of section NB-4

Table C.5.5 Condition survey data for section NB-5.

	Item No.	Distress Type	Survey Date February 13, 2005					
			L		M		H	
Cracking	1	Longitudinal Wheel Path (a)	0		0		0	
	1a	Longitudinal Non-Wheel Path (a)	0		0		0	
	2	Fatigue (b)	0		0		0	
	3	Transverse (c)	0	0	0	0	0	0
	4	Reflective (c)	0	0	0	0	0	0
	5	Block (b)	0		0		0	
	6	Edge (a)	0		0		0	
Deformation	7	Rutting (d)	0					
	8	Corrugation (b)	0					
	9	Shoving (e)	0			0		
	10	Depression (b)	0					
	11	Overlay Bumps (c)	0			0		
	12	Delamination (b)	0					
Deterioration	13	Potholes (e)	0	0	0	0	0	0
	14	Patching (e)	0	0	0	0	0	0
	15	Raveling (b)	0		0		0	
	16	Stripping (f)	0					
	17	Polished Aggregate (b)	0					
	18	Water Bleeding (c)	0		0		0	
Mat Prob.	19	Segregation (b)	0					
	20	Checking (b)	0					
	21	Bleeding (b)	0		0		0	

a=Length; b=Area, square meter; c=Number and length; meter; d=Maximum depth, mm; e=Number and square meter; f=Yes/No/Unknown

Figure C.5.5. Full-length and close-up views of section NB-5

Table C.5.6 Condition survey data for section NB-6.

	Item No.	Distress Type	Survey Date February 13, 2005					
			L		M		H	
Cracking	1	Longitudinal Wheel Path (a)	0		0		0	
	1a	Longitudinal Non-Wheel Path (a)	0		0		0	
	2	Fatigue (b)	0		0		0	
	3	Transverse (c)	0	0	0	0	0	0
	4	Reflective (c)	0	0	0	0	0	0
	5	Block (b)	0		0		0	
	6	Edge (a)	0		0		0	
Deformation	7	Rutting (d)	0					
	8	Corrugation (b)	0					
	9	Shoving (e)	0			0		
	10	Depression (b)	0					
	11	Overlay Bumps (c)	0			0		
	12	Delamination (b)	0					
Deterioration	13	Potholes (e)	0	0	0	0	0	0
	14	Patching (e)	0	0	0	0	0	0
	15	Raveling (b)	0		0		0	
	16	Stripping (f)	0					
	17	Polished Aggregate (b)	0					
	18	Water Bleeding (c)	0		0		0	
Mat Prob.	19	Segregation (b)	0					
	20	Checking (b)	0					
	21	Bleeding (b)	0		0		0	

a=Length; b=Area, square meter; c=Number and length; meter; d=Maximum depth, mm; e=Number and square meter; f=Yes/No/Unknown

Figure C.5.6. Full-length and close-up views of section NB-6

Table C.5.7 Condition survey data for section NB-7.

	Item No.	Distress Type	Survey Date February 13, 2005					
			L		M		H	
Cracking	1	Longitudinal Wheel Path (a)	0		0		0	
	1a	Longitudinal Non-Wheel Path (a)	0		0		0	
	2	Fatigue (b)	0		0		0	
	3	Transverse (c)	0	0	0	0	0	0
	4	Reflective (c)	0	0	0	0	0	0
	5	Block (b)	0		0		0	
	6	Edge (a)	0		0		0	
Deformation	7	Rutting (d)	Not Measured					
	8	Corrugation (b)	0					
	9	Shoving (e)	0			0		
	10	Depression (b)	0					
	11	Overlay Bumps (c)	0			0		
	12	Delamination (b)	0					
Deterioration	13	Potholes (e)	0	0	0	0	0	0
	14	Patching (e)	0	0	0	0	0	0
	15	Raveling (b)	0		0		0	
	16	Stripping (f)	0					
	17	Polished Aggregate (b)	0					
	18	Water Bleeding (c)	0		0		0	
Mat Prob.	19	Segregation (b)	0					
	20	Checking (b)	0					
	21	Bleeding (b)	0		0		0	

a=Length; b=Area, square meter; c=Number and length; meter; d=Maximum depth, mm; e=Number and square meter; f=Yes/No/Unknown

Figure C.5.7. Full-length and close-up views of section NB-7

Table C.5.8 Condition survey data for section SB-8.

	Item No.	Distress Type	Survey Date February 13, 2005					
			L		M		H	
Cracking	1	Longitudinal Wheel Path (a)	0		0		0	
	1a	Longitudinal Non-Wheel Path (a)	0		0		0	
	2	Fatigue (b)	0		0		0	
	3	Transverse (c)	0	0	0	0	0	0
	4	Reflective (c)	0	0	0	0	0	0
	5	Block (b)	0		0		0	
	6	Edge (a)	0		0		0	
Deformation	7	Rutting (d)	0					
	8	Corrugation (b)	0					
	9	Shoving (e)	0			0		
	10	Depression (b)	0					
	11	Overlay Bumps (c)	0			0		
	12	Delamination (b)	0					
Deterioration	13	Potholes (e)	0	0	0	0	0	0
	14	Patching (e)	0	0	0	0	0	0
	15	Raveling (b)	0		0		0	
	16	Stripping (f)	0					
	17	Polished Aggregate (b)	0					
	18	Water Bleeding (c)	0		0		0	
Mat Prob.	19	Segregation (b)	0					
	20	Checking (b)	0					
	21	Bleeding (b)	0		0		0	

a=Length; b=Area, square meter; c=Number and length; meter; d=Maximum depth, mm; e=Number and square meter; f=Yes/No/Unknown

Figure C.5.8. Full-length and close-up views of section NB-8

Table 6.5.9 Condition survey data for section SB-9.

	Item No.	Distress Type	Survey Date February 13, 2005 L		M		H	
Cracking	1	Longitudinal Wheel Path (a)	0		0		0	
	1a	Longitudinal Non-Wheel Path (a)	0		0		0	
	2	Fatigue (b)	0		0		0	
	3	Transverse (c)	0	0	0	0	0	0
	4	Reflective (c)	0	0	0	0	0	0
	5	Block (b)	0		0		0	
	6	Edge (a)	0		0		0	
Deformation	7	Rutting (d)	0					
	8	Corrugation (b)	0					
	9	Shoving (e)	0			0		
	10	Depression (b)	0					
	11	Overlay Bumps (c)	0			0		
	12	Delamination (b)	0					
Deterioration	13	Potholes (e)	0	0	0	0	0	0
	14	Patching (e)	0	0	0	0	0	0
	15	Raveling (b)	0		0		0	
	16	Stripping (f)	0					
	17	Polished Aggregate (b)	0					
	18	Water Bleeding (c)	0		0		0	
Mat Prob.	19	Segregation (b)	0					
	20	Checking (b)	0					
	21	Bleeding (b)	0		0		0	

a=Length; b=Area, square meter; c=Number and length; meter; d=Maximum depth, mm; e=Number and square meter; f=Yes/No/Unknown

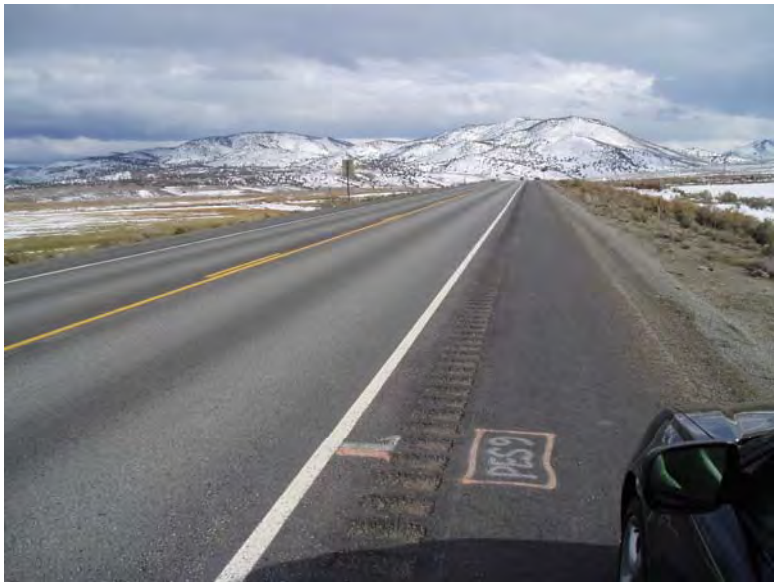


Figure C.5.9. Full-length and close-up views of section NB-9

APPENDIX D
DEFLECTION DATABASE

A relational database for storing the deflection data has been developed using the Microsoft Access software. The database contains three tables: Project Information, PES Information, and RAC Warranty Deflection. Definiation of each data element is described below:

Table - Project Information

- EA – Caltrans project EA number
- District – District number
- County – County name
- Region – project location (mountanoius, central valley, or coastal)
- Begin PM – Project beginning postmile
- End MP – Project end postmile

Table – PES Information

- EA – Caltrans project EA number
- PES – Performance evaluation section ID
- PM – PES beginning postmile
- Deflection Level – Deflection level: low, moderate, or high
- MillorFill – Mill or fill

Table – RAC Warranty Deflection

- EA – Caltrans project EA number
- Date – Deflection testing date
- PES – Performance evaluation section ID
- Loc – Deflection testing lane (right wheel path or mid-lane)
- Station – Deflection test location in station
- Drop – FWD drop sequence
- Load – FWD load, pound
- 0 – Deflection at 0” from the load plate, mils (1/1000 inch)
- 8 – Deflection at 8” from the load plate, mils (1/1000 inch)
- 12 – Deflection at 12” from the load plate, mils (1/1000 inch)
- 24 – Deflection at 24” from the load plate, mils (1/1000 inch)
- 36 – Deflection at 36” from the load plate, mils (1/1000 inch)
- 48 – Deflection at 48” from the load plate, mils (1/1000 inch)
- 60 – Deflection at 60” from the load plate, mils (1/1000 inch)
- Time – Deflection testing time
- Surface – Pavement surface temperature, °F
- Air – Air temperature, °F
- Comments – Comments provided by the FWD operator during the FWD testing

A screen print showing the relationship among the tables is illustrated in Figure D-1. The database is attached with this report.

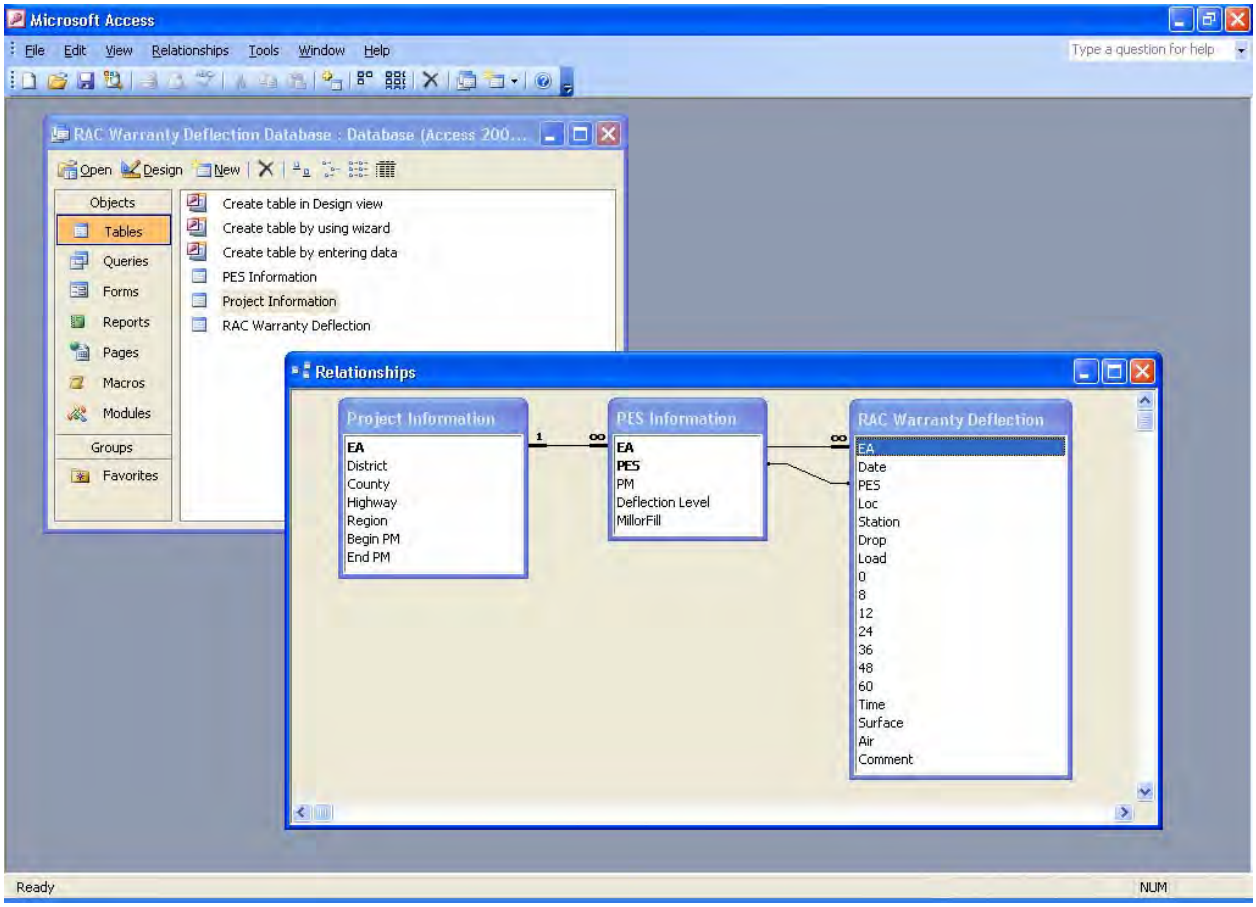


Figure D.1. Screen print of the database for storing the RAC Warranty project deflection data.