

Appendix E

Pavement Condition Assessment and Photographs

CONTENTS

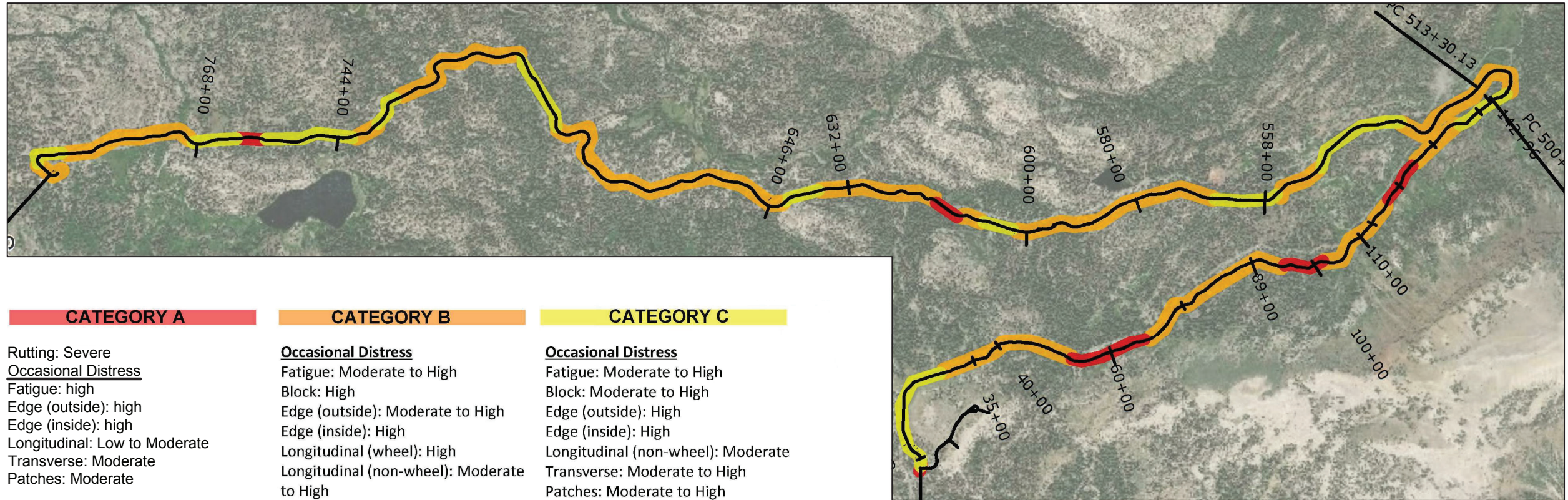
- Table E-1, Summary of Existing Pavement Thicknesses
- Figure E-1, Pavement Condition Categories
- Figure E-2, Pavement Assessment Photographs

Table E-1
Summary of Existing Pavement Section

Boring	Thickness (ft.)	HACP Thickness (in.)	Subgrade (USCS)
SW-B-01	0.2	2.0	SP
SW-B-02	0.2	2.5	SP
SW-B-03	0.2	2.5	SP
SW-B-04	0.2	2.0	SP
SW-B-05	0.2	2.5	SP
SW-B-06	0.3	3.5	SP
SW-B-07	0.3	3.4	SP
SW-B-08	0.3	3.6	SP
SW-B-09	0.3	3.0	SP
SW-B-10	0.3	3.0	GP
SW-B-11	0.2	2.4	SP
SW-B-12	0.2	2.2	SP
SW-B-13	0.3	3.7	SP
SW-B-14	0.3	3.6	SP
SW-B-15	0.3	3.6	SP
SW-B-16	0.3	3.4	SP
SW-B-17	0.3	3.1	GP
SW-B-18	0.4	4.6	SP-SC
SW-B-19	0.2	2.5	SP
SW-B-20	0.3	3.2	SP
SW-B-21	0.2	2.0	SP
SW-B-22	0.2	2.0	SP
SW-B-23	0.2	2.0	SP
SW-B-24	0.2	2.4	SP
SW-B-25	0.2	1.8	SP
SW-B-26	0.3	3.1	SP
SW-B-27	0.2	2.4	SP
SW-B-28	0.3	3.2	GP
SW-B-29	0.2	2.6	SP
SW-B-30A	0.2	2.8	SP
SW-B-30B	0.2	2.5	SP
SW-B-31A	0.3	3.0	GP
SW-B-31B	0.3	3.0	GP
SW-B-32	0.3	3.1	GP
SW-B-33	0.3	3.2	SP
SW-B-34	0.2	2.9	SP
SW-B-35	0.3	3.2	SP
SW-B-36	0.2	2.9	SP
SW-B-37	0.3	3.2	SP
SW-B-38	0.3	3.1	SP
SW-B-39	0.2	2.9	GP
SW-B-40	0.3	3.1	SP
SW-B-41	0.3	3.2	SP
SW-B-42	0.2	2.5	SP
SW-B-43	0.2	2.5	SP
SW-B-44	0.3	3.1	SP-SM
SW-B-45	0.2	2.8	SP
SW-B-46	0.2	2.5	SW-SM
SW-B-47	0.3	3.0	SM
SW-B-48	0.3	3.0	SP
SW-B-49	0.3	3.5	SM
SW-B-50	0.3	3.0	SP
SW-B-51	0.3	3.5	GM

Notes:

HACP = hot-asphalt concrete pavement.



CATEGORY A	CATEGORY B	CATEGORY C
Rutting: Severe <u>Occasional Distress</u> Fatigue: high Edge (outside): high Edge (inside): high Longitudinal: Low to Moderate Transverse: Moderate Patches: Moderate	Occasional Distress Fatigue: Moderate to High Block: High Edge (outside): Moderate to High Edge (inside): High Longitudinal (wheel): High Longitudinal (non-wheel): Moderate to High Transverse: High Patches: Low to Moderate Potholes: Moderate to High Rutting: present/occasional Raveling: some raveling in high fatigue areas Drop Off: present/occasional	Occasional Distress Fatigue: Moderate to High Block: Moderate to High Edge (outside): High Edge (inside): High Longitudinal (non-wheel): Moderate Transverse: Moderate to High Patches: Moderate to High Potholes: Low Raveling: in some high fatigue areas

NOTE

Map adapted from drawing titled Site Map, U.S. Department of Transportation, Dated 5/20/2016.

The category descriptions provide the distress type and level of severity.

Reds Meadow Road Improvements FTFS 03S11(1) Madera County, California	
PAVEMENT CONDITION CATEGORIES	
January 2021	100062-003
SHANNON & WILSON, INC. <small>GEOTECHNICAL AND ENVIRONMENTAL CONSULTANTS</small>	
FIG. E-1	



Photograph 1. Severe rutting at station 0+00. View looking north.



Photograph 2. Severe rutting at station 758+00. View looking west.

Reds Meadow Road Improvements
FTFS 03S11(1)
Madera County, California

**PAVEMENT ASSESSMENT
PHOTOGRAPHS CATEGORY A**

January 2021

100062-003

SHANNON & WILSON, INC.
Geotechnical and Environmental Consultants

FIG. E-2
Sheet 1 of 3



Photograph 3. Moderate severity longitudinal cracking at station 84+50 View looking northeast.



Photograph 4. Moderate to high severity block and fatigue cracking at station 685+00. View looking west.

Reds Meadow Road Improvements
FTFS 03S11(1)
Madera County, California

**PAVEMENT ASSESSMENT
PHOTOGRAPHS CATEGORY B**

January 2021 100062-003

SHANNON & WILSON, INC.
Geotechnical and Environmental Consultants

FIG. E-2
Sheet 2 of 3



Photograph 5. Moderate severity transverse cracking at station 13+50. View looking southwest.



Photograph 6. Low severity fatigue cracking and rutting at station 358+00. View looking south.

Reds Meadow Road Improvements
FTFS 03S11(1)
Madera County, California

**PAVEMENT ASSESSMENT
PHOTOGRAPHS CATEGORY C**

January 2021 100062-003

SHANNON & WILSON, INC.
Geotechnical and Environmental Consultants

FIG. E-2
Sheet 3 of 3