

APPENDIX A: PHOTOGRAPHS



PHOTO 1 NORTH APPROACH LOOKING SOUTH



PHOTO 2 SOUTH APPROACH LOOKING NORTH

Farrington Highway Bridge No. 3 Over Palehua Stream
Bridge No. 902
Structure No. 003902001100001



PHOTO 3 UPSTREAM ELEVATION



PHOTO 4 DOWNSTREAM ELEVATION



PHOTO 5 UPSTREAM SOUTH APPROACH GUARDRAIL



PHOTO 6 UPSTREAM NORTH APPROACH GUARDRAIL



PHOTO 7 DOWNSTREAM SOUTH APPROACH GUARDRAIL



PHOTO 8 DOWNSTREAM NORTH APPROACH GUARDRAIL WITH VEGETATION



PHOTO 9 COLLISION DAMAGE TO UPSTREAM NORTH APPROACH
GUARDRAIL AND END TREATMENT



PHOTO 10 3'X3'X4" SPALL WITH EXPOSED REBAR (3FT 1080 CS3)
ON EXTERIOR FACE OF UPSTREAM RAILING, 2' FROM
NORTH END OF BRIDGE



PHOTO 11 9"X1'-8"X2-1/2" SPALL (1FT 1080 CS3) ON INTERIOR FACE OF UPSTREAM RAILING, 2' FROM NORTH END OF BRIDGE



PHOTO 12 5'-3"X1'-6"X3" SPALL WITH EXPOSED REBAR (6FT 1080 CS3) ON EXTERIOR FACE OF UPSTREAM RAILING, 10' FROM NORTH END OF BRIDGE



PHOTO 13 4'X1'-6"X2" SPALL WITH EXPOSED REBAR (4FT 1080 CS3)
ON EXTERIOR FACE OF UPSTREAM RAILING, 2' FROM
SOUTH END OF BRIDGE



PHOTO 14 DELAMINATION (8FT 1080 CS2) ON EXTERIOR FACE OF
UPSTREAM RAILING



PHOTO 15 TYPICAL SOUND CONCRETE PATCHES (8FT 1080 CS2)
ON EXTERIOR FACE OF DOWNSTREAM RAILING



PHOTO 16 1'X1'-6"X2" SPALL WITH EXPOSED REBAR WITH 0.31 SQ.
IN SECTION LOSS (1FT 1090 CS3) ON INTERIOR FACE OF
UPSTREAM RAILING, 10' FROM NORTH END OF BRIDGE



PHOTO 17 1'X1'X2" SPALL WITH EXPOSED REBAR WITH 0.31 SQ. IN SECTION LOSS (1FT 1090 CS3) ON INTERIOR FACE OF UPSTREAM RAILING, 12' FROM NORTH END OF BRIDGE



PHOTO 18 1'X1'-6"X2" SPALL WITH EXPOSED REBAR WITH 0.31 SQ. IN SECTION LOSS (1FT 1090 CS3) ON INTERIOR FACE OF UPSTREAM RAILING, 14' FROM NORTH END OF BRIDGE



PHOTO 19 TYPICAL MODERATE WIDTH CRACK (1130 CS2) ON BOTH BRIDGE RAILINGS



PHOTO 20 WEARING SURFACE



PHOTO 21 3'X1' DELAMINATION (3SF 1080 CS3) ON UPSTREAM
FACE OF SLAB ADJACENT TO ABUTMENT 1



PHOTO 22 14'X2' DELAMINATION (28SF 1080 CS3) ON SLAB SOFFIT
ALONG ABUTMENT 1 STARTING FROM UPSTREAM END



PHOTO 23 8'X2' DELAMINATION (16SF 1080 CS3) ON SLAB SOFFIT
ALONG ABUTMENT 1, 5' FROM DOWNSTREAM END



PHOTO 24 2'X2' DELAMINATION AND SPALL WITH EXPOSED REBAR
(4SF 1080 CS3) ON DOWNSTREAM FACE OF SLAB AT
ABUTMENT 2



PHOTO 25 2'X2' SPALL WITH EXPOSED REBAR WITH 0.0123 SQ. IN SECTION LOSS (4SF 1090 CS3) ON SLAB SOFFIT AT DOWNSTREAM END OF SLAB SOFFIT ADJACENT TO ABUTMENT 1



PHOTO 26 12'X2' SPALL WITH EXPOSED REBAR WITH 0.0123 SQ. IN SECTION LOSS (24SF 1090 CS3) ON SLAB SOFFIT ALONG ABUTMENT 1, 10' FROM DOWNSTREAM END



PHOTO 27 10'X2' SPALL WITH EXPOSED REBAR WITH 0.0123 SQ. IN SECTION LOSS (20SF 1090 CS3) ON SLAB SOFFIT ALONG ABUTMENT 2 STARTING FROM UPSTREAM END



PHOTO 28 8'X3' SPALL WITH EXPOSED REBAR WITH 0.0123 SQ. IN SECTION LOSS (24SF 1090 CS3) ON SLAB SOFFIT ALONG ABUTMENT 2 STARTING FROM DOWNSTREAM END



PHOTO 29 ABUTMENT 1



PHOTO 30 ABUTMENT 2



PHOTO 31 MODERATE WIDTH VERTICAL CRACK (1FT 1130 CS2) ON ABUTMENT 2



PHOTO 32 UPSTREAM CHANNEL



PHOTO 33 DOWNSTREAM CHANNEL WITH VEGETATION GROWTH