DATE 10/17/11

REQUEST FOR BRIDGE DECK SURVEY

REQUEST MADE BY Terry Mackie DATE OF REQUEST 8-29-11

PROJECT NO. _____ COUNTY Wilson

BRIDGE NO. 95-140-7.43 (LL) OVER Wilson Creek

PROJECT TYPE (WIDENING, SEAL, PAVING, REPAIRS, ETC.) Repairs / Widening

BRIDGE LENGTH 154'-8" FT. BRIDGE WIDTH 41'-11" FT. (CURB TO CURB)

STRUCTURE TYPE Concrete I-Beam ORIG. LAYOUT DWG. NO. K-18-41 M-216-1

SCHEDULED LETTING DATE Request For Proposal (Need Soon) APPROX. AGE OF STRUCTURE 50 YEARS

NOTE TO THE DESIGNER: PLEASE INCLUDE LAYOUT AND/OR PRELIMINARY DRAWING

DRAWING INCLUDED: YES X NO _____

SURVEYED BY _____

_____

_____

ADDITIONAL INFORMATION REQUIRED:

Wearing surface thickness = ____ ?

70 S.Y. Partial (10%)

DATE 10/17/11

BRIDGE DECK SURVEY

(TO BE FILLED OUT BY INSPECTION TEAM)

BRIDGE DECK: VOLTAGE TEST N/A DATE OF TEST PAVED OVER

CORES (CHLORIDE SAMPLES) ✓ DATE OF TEST 10/17/11

CHAIN DRAG N/A DATE OF TEST PAVED OVER

VISUAL INSPECTION ✓ DATE OF TEST 10/17/11

OTHER ✓ DATE OF TEST 10/17/11

BRIDGE DECK CONDITION REPORT INCLUDED: YES ✓ NO _____
(SEE ATTACHED SHEET)

MATERIAL AND TESTS REPORT INCLUDED: YES _____ NO _____
(SEE ATTACHED SHEET)

COMPUTER VOLTAGE PRINTOUT INCLUDED: YES _____ NO ✓
(SEE ATTACHED SHEET)

COMMENTS AND RECOMMENDATIONS

DATE 10-17-11

BRIDGE DECK SURVEY (CON'T)

JOINTS

NUMBER: None

TYPE: —

CONDITION: —

APPROACHES

APPROACH SLAB: ✓

FILL: ✓

COMMENTS: Fair

GUARDRAIL

YES: ✓ NO

COMMENTS: Standard — At Abut. #2 End Only.

BRIDGERAIL

TYPE: Conc. Parapet. N.J shape

CONDITION: Fair

COMMENTS: Standard.

DECK SURFACE CONDITION

ASPHALT OVERLAY: YES ✓ NO ____ APPROX THICKNESS 1¼" TO 1½" INCHES

IS DECK SMOOTH ENOUGH FOR SEAL: YES ____ NO ____

BRIDGE DECK EVALUATION

COUNTY: _____ ROUTE: _____

BRIDGE NUMBER: _____ OVER _____

BRIDGE LENGTH: _____ BRIDGE WIDTH: _____

TOTAL DECK AREA EVALUATED _____ SQ. FT.

VISUAL

CORROSION

OVER 0.35v

_____ SQ. FT.

_____ %

SPALLS

_____ SQ. FT.

_____ %

SCALLING

_____ SQ. FT.

_____ %

DELAMINATIONS

CHAIN DRAG

_____ SQ. FT.

_____ %

CHLORIDES

NO. TESTS OVER 2 lbs/ yd^3 _____

TOTAL NO. OF TESTS _____

% TEST OVER 2 lbs/ yd^3 _____

CALCULATIONS

TOTAL SQ. FT. > 0.35v CORROSION POTENTIAL _____ SQ. FT.

SQ. FT. SPALLS OUTSIDE > 0.35v _____ SQ. FT.

SQ. FT. DELAMINATION OUTSIDE > 0.35v _____ SQ. FT.

TOTAL CONTAMINATED DECK AREA (-CHLORIDE) _____ SQ. FT.

TOTAL DECK AREA _____ SQ. FT.

TOTAL CONTAMINATED DECK AREA (-CHLORIDE) _____ SQ. FT.

TOTAL DECK NOT > 0.35v, SPALLED, DELAMINATED _____ SQ. FT.

$$\frac{\text{CHLORIDE TESTS OVER 2 lbs/ yd}^3}{100} \times \text{TOTAL DECK NOT} > 0.35\text{v, SPALLED, DELAMINATED} = \text{CONTAMINATED DECK AREA}$$

_____ X _____ = _____

TOTAL CONTAMINATED DECK AREA (-CHLORIDE) _____ SQ. FT.

TOTAL CONTAMINATED DECK AREA _____ SQ. FT.

TOTAL CONTAMINATED DECK AREA ÷ TOTAL AREA = _____ %