

IOWA DEPARTMENT OF TRANSPORTATION

To Office Bridges and Structures

Date September 1, 2009

Attention All Employees

Ref No. 521.1

From Gary Novey

Office Bridges and Structures

Subject MM No. 219 (Guidelines for signed standard bridge plans)

On new projects that are using the standard bridge or culvert plans, (J series, H series, RS series, HSI series, single RCBC, twin RCBC, triple RCBC and flume box culvert standards), the front sheet should include in the index of seals Norm McDonald's name for the structural design of the signed standards. See attachment A and attachment B for examples.

If you have any questions check with Dean Bierwagen or me.

GAN/dgb/bj

RCB CULVERT EXTENSION - SINGLE BOX LETTING DATE 9-15-09 ER-037-1(44)-28-67

MONONA COUNTY

PLANS OF PROPOSED IMPROVEMENTS ON THE
PRIMARY ROAD SYSTEM
MONONA COUNTY
 RCB CULVERT EXTENSION - SINGLE BOX
 IA 37 OVER TRIB. TO S. WILLOW CREEK
 0.1 MI. NW OF CRAWFORD CO. LINE

THE IOWA DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS FOR HIGHWAY AND BRIDGE CONSTRUCTION, SERIES 2001, PLUS APPLICABLE GENERAL SUPPLEMENTAL SPECIFICATIONS, DEVELOPMENTAL SPECIFICATIONS, SUPPLEMENTAL SPECIFICATIONS AND SPECIAL PROVISIONS SHALL APPLY TO CONSTRUCTION WORK ON THIS PROJECT.

VALUE ENGINEERING SAVES. REFER TO THE GENERAL NOTES IN THESE PLANS.

ENGLISH STANDARD CULVERT PLANS		
STANDARD	ISSUED	REVISED
RCB-01-97	5-97	1-09
RCB-10-97	5-97	6-99
FBJ-03-04	1-04	4-07
RFJ-01-04	1-04	
RCB-03-04	1-04	4-07

INDEX OF SHEETS	
NO.	DESCRIPTION
1	TITLE SHEET
2	ESTIMATE SHEET - DESIGN 908
2-9	DESIGN 908
SPS.1	SOIL PROFILE SHEET
C.1	ESTIMATE SHEET FOR ROADWAY
A.1-X.6	ROADWAY SHEETS

INDEX OF SEALS		
SHEET NO.	NAME	TYPE
1	WILLIAM D. TUCKER	STRUCTURAL DESIGN
1	DAVID R. CLAMAN	HYDRAULIC DESIGN
SPS.1	ROBERT L. STANLEY	GEOTECHNICAL DESIGN
A.1	JAMES R. SCHOENROCK	ROADWAY DESIGN
CULVERT STANDARDS	NORMAN L. McDONALD	STRUCTURAL DESIGN

STANDARD ROAD PLANS	
STANDARD ROAD PLANS ARE LISTED ON SHEET C-3	
DESIGN DATA RURAL	
2006 AADT	330 V.P.D.
202 AADT	V.P.D.
202 B/W	V.P.D.
TRUCKS	13 %
Total Design ESALs	

HYDRAULIC DESIGN	STRUCTURAL DESIGN
<p>I hereby certify that this engineering document was prepared by me or under my direct personal supervision and that I am a duly licensed Professional Engineer under the laws of the State of Iowa.</p> <p><i>David R. Claman</i> 7-2-09 David R. Claman Printed on 7/2/09 My license renewal date is December 31, 2010</p>	<p>I hereby certify that this engineering document was prepared by me or under my direct personal supervision and that I am a duly licensed Professional Engineer under the laws of the State of Iowa.</p> <p><i>William D. Tucker</i> 7-2-09 William D. Tucker Printed on 7/2/09 My license renewal date is December 31, 2009</p>

DESIGN TEAM: DAW/BSK

PROJECT DIRECTORY NAME: 4703702008

ENGLISH IOWA DOT # OFFICE OF BRIDGES AND STRUCTURES FILE NO. 30286 MONONA COUNTY PROJECT NUMBER ER-037-1(44)-28-67 SHEET NUMBER 1

INDEX OF SEALS		
SHEET NO.	NAME	TYPE
1	WILLIAM D. TUCKER	STRUCTURAL DESIGN
1	DAVID R. CLAMAN	HYDRAULIC DESIGN
SPS.1	ROBERT L. STANLEY	GEOTECHNICAL DESIGN
A.1	JAMES R. SCHOENROCK	ROADWAY DESIGN
CULVERT STANDARDS	NORMAN L. McDONALD	STRUCTURAL DESIGN

CERRO GORDO COUNTY

BRIDGE REPLACEMENT - STEEL GIRDER
BRN-065-846J-39-17
12-16-08

PLANS OF PROPOSED IMPROVEMENTS ON THE
PRIMARY ROAD SYSTEM
CERRO GORDO COUNTY
BRIDGE REPLACEMENT - STEEL GIRDER
SB US65 OVER WINNEBAGO RIVER
0.6 MILES NORTH OF MASON CITY

THE IOWA DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS FOR HIGHWAY AND BRIDGE CONSTRUCTION, SERIES 2001, PLUS APPLICABLE GENERAL, SUPPLEMENTAL, SPECIFICATIONS, DEVELOPMENTAL SPECIFICATIONS, SUPPLEMENTAL SPECIFICATIONS AND SPECIAL PROVISIONS SHALL APPLY TO CONSTRUCTION WORK ON THIS PROJECT.

VALUE ENGINEERING SAVES. REFER TO THE GENERAL NOTES IN THESE PLANS.

TOTAL SHEETS		
PROJECT NUMBER		
BRN-065-846J-39-17		
R.O.W. PROJECT NUMBER		
PROJECT IDENTIFICATION NUMBER		
06-17-065-010		
INDEX OF SHEETS		
NO.	DESCRIPTION	
1	TITLE SHEET	
2	ESTIMATE SHEET - DESIGN 105	
2-22	DESIGN 105	
PS-01-PS-06	SOIL PROFILE SHEETS	
C1	ESTIMATE SHEET FOR ROADWAY	
A1-R-6	ROADWAY SHEETS	
REVISIONS		
INDEX OF SEALS		
SHEET NO.	NAME	TYPE
1	CHRISTINE E. KING	HYDRAULIC DESIGN
1	WILLIAM D. TUCKER	STRUCTURAL DESIGN
SPS.01, C.9	ROBERT L. STANLEY	GEOTECHNICAL DESIGN
A.1	YANXIAO JIA	ROADWAY DESIGN
BRIDGE STALLBAEDS	NORMAN L. MCDONALD	STRUCTURAL DESIGN

STANDARD	ISSUED	REVISED
RS40-01-04	3-07	
RS40-02-04	3-07	
RS40-03-04	3-07	
RS40-04-04	3-07	
RS40-05-04	3-07	
RS40-06-04	3-07	
RS40-07-04	3-07	
RS40-08-04	3-07	
RS40-09-04	3-07	
RS40-10-04	3-07	
RS40-11-04	3-07	
RS40-12-04	3-07	

STANDARD ROAD PLANS ARE LISTED ON SHEET	DESIGN DATA RURAL
C.5	2005 AADT - 7850 V.P.D.
	2025 AADT - 10100 V.P.D.
	2025 DRY - 102 V.P.M.
	TRUCKS - 8 %
	TOTAL DESIGN ESALS -

HYDRAULIC DESIGN	STRUCTURAL DESIGN
I hereby certify that this engineering document was prepared by me or under my direct personal supervision and that I am a duly licensed Professional Engineer under the laws of the State of Iowa. <i>Christine E. King</i> 10-3-08 Signature: Christine E. King My license renewal date is December 31, 2008. Pages or sheets covered by this seal: SHEET 5 OF 67	I hereby certify that this engineering document was prepared by me or under my direct personal supervision and that I am a duly licensed Professional Engineer under the laws of the State of Iowa. <i>William D. Tucker</i> 10-3-08 Signature: William D. Tucker My license renewal date is December 31, 2008. Pages or sheets covered by this seal: SHEETS 1 THRU 22 OF 67

DESIGN TEAM: H.A./D.A.V./D.R.E. PROJECT DIRECTORY NAME: 1706501000 ENGLISH IOWA DOT OFFICE OF BRIDGES AND STRUCTURES FILE NO. 29064 CERRO GORDO COUNTY PROJECT NUMBER BRN-065-846J-39-17 SHEET NUMBER 1

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