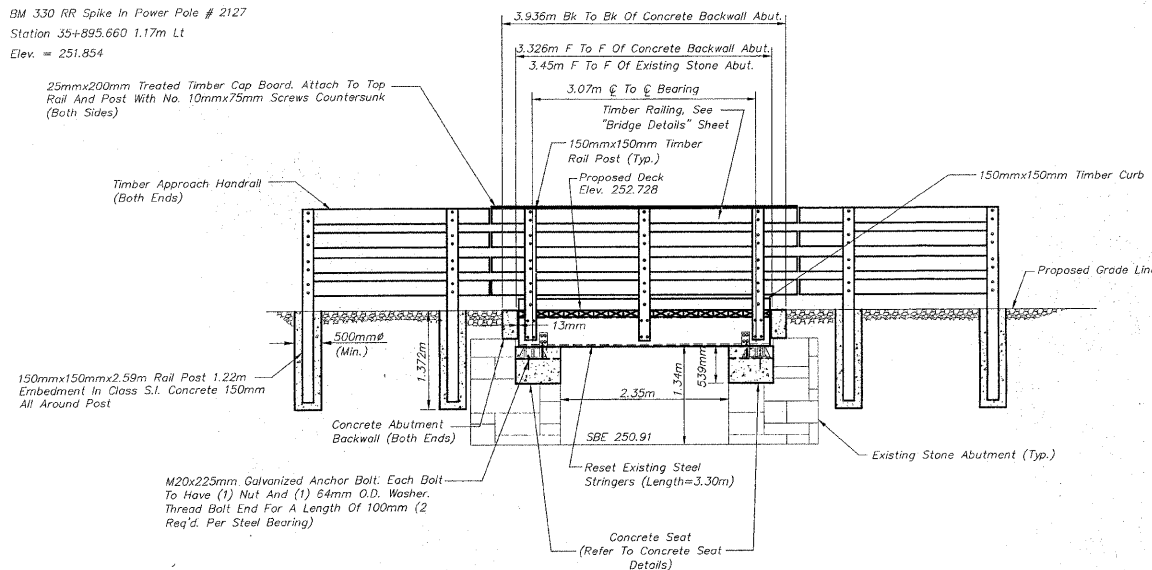


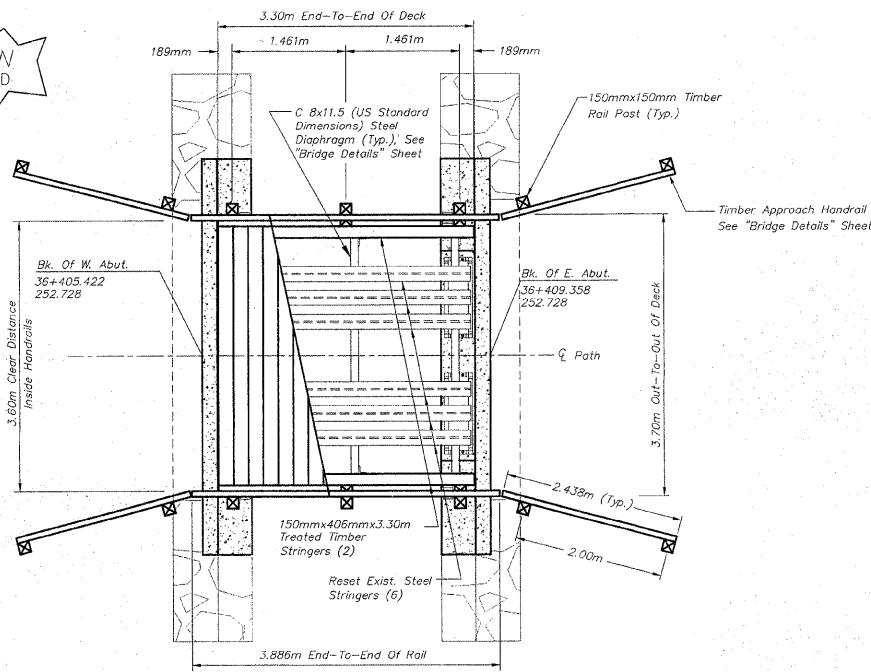
**BENCH MARK**

BM 330 RR Spike In Power Pole # 2127  
 Station 35+895.660 1.17m Lt  
 Elev. = 251.854



**ELEVATION**

NOT TO SCALE



**PLAN**

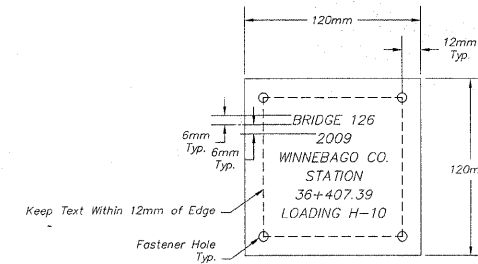
NOT TO SCALE

**BILL OF MATERIALS - BRIDGE 126**

ITEM	UNIT	QUANTITY
REMOVE & RESET EXISTING STEEL STRINGER ASSEMBLIES	EA	1
REMOVAL OF EXISTING SUPERSTRUCTURE	EA	1
CONCRETE STRUCTURES	CM	3.99
REINFORCEMENT BARS	Kg	342
TREATED TIMBER	CM	2.43
HARDWARE	Kg	123
WOOD RAILING	M	9.75
DRILL AND GROUT BARS	EA	216
ANCHOR BOLTS, M20	EA	12
MASONRY CLEANING & TUCKPOINTING	LS	1
NAME PLATE	EA	1
REFLECTORS	EA	12
POROUS GRANULAR EMBANKMENT	CM	5

**BRIDGE 126 NOTES**

- REFER TO "BRIDGE GENERAL NOTES" SHEET FOR ADDITIONAL TIMBER BRIDGE GENERAL NOTES.
- THE CONTRACTOR SHALL REMOVE ALL ELEMENTS OF THE EXISTING TIMBER DECKING AND PROPERLY DISPOSE OF OFF-SITE. THIS INCLUDES THE TRANSVERSE RAILROAD TIES, TIMBER WALKWAY, STEEL ANGLE RAIL POSTS AND CABLE, TIMBER BEARING SUPPORTS, AND ANY OTHER ITEMS AS APPLICABLE TO THE EXISTING TIMBER DECKING. ALL ITEMS TO BE REMOVED SHALL BE DISPOSED OF IN CONFORMANCE WITH THE REQUIREMENTS OF SECTION 202.03 OF THE IDOT STANDARD SPECIFICATIONS. ALL MATERIAL AND LABOR NECESSARY TO COMPLETE THIS ITEM OF WORK SHALL BE INCLUDED IN THE CONTRACT UNIT PRICE FOR REMOVAL OF EXISTING SUPERSTRUCTURE WITH NO ADDITIONAL COMPENSATION ALLOWED.
- THE INTENT OF THE PLAN IS TO REUSE/RESET THE EXISTING S 15x50 (US STANDARD DIMENSIONS) STEEL STRINGERS AS AN ASSEMBLY AFTER MODIFYING THE EXISTING ABUTMENTS. THE ASSEMBLY INCLUDES THE EXISTING STEEL STRINGERS WITH THE CONNECTED DIAPHRAGMS AND STEEL BEARINGS. THE CONTRACTOR SHALL TAKE THE NECESSARY PRECAUTIONS SO AS NOT TO CAUSE DAMAGE WHEN REMOVING THE EXISTING STEEL STRINGER ASSEMBLIES. THE CONTRACTOR WILL BE RESPONSIBLE FOR THE REPAIR OR REPLACEMENT OF ANY ITEM DAMAGED WITH NO ADDITIONAL COMPENSATION ALLOWED. CONTRACTOR SHALL COORDINATE THE SCHEDULE OF THIS WORK WITH THE ENGINEER TO ALLOW FOR DETAILED INSPECTION OF THE STEEL STRINGER ASSEMBLIES IF REQUIRED. ALL MATERIAL AND LABOR NECESSARY TO COMPLETE THIS ITEM OF WORK SHALL BE INCLUDED IN THE CONTRACT UNIT PRICE FOR REMOVE AND RESET EXISTING STEEL STRINGER ASSEMBLIES AND SHALL BE MEASURED AS ONE (1) UNIT EACH PER BRIDGE AS APPLICABLE.
- CONTRACTOR SHALL REMOVE ANY LOOSE OR DETERIORATED MORTAR FROM THE EXISTING MASONRY LIMESTONE ABUTMENT JOINTS, CLEAN, AND TUCK POINT IN ACCORDANCE WITH THE CONTRACT SPECIAL PROVISIONS. THIS WORK WILL BE PAID FOR AS LUMP SUM AT THE CONTRACT UNIT PRICE FOR MASONRY CLEANING & TUCKPOINTING.
- ALL TREE REMOVAL AND SELECTIVE BRUSH CLEARING SHALL BE IN ACCORDANCE WITH THE PLANS AND SPECIAL PROVISIONS OR AS DIRECTED BY THE ENGINEER. TREE REMOVAL AND SELECTIVE CLEARING WILL BE MEASURED AND PAID FOR AT THE CONTRACT UNIT PRICE FOR THE APPROPRIATE ITEM.
- CONTRACTOR SHALL FURNISH AND INSTALL A BRASS NAME PLATE IN ACCORDANCE WITH SECTION 515 OF THE IDOT STANDARD SPECIFICATIONS EXCEPT THAT IT SHALL BE INSTALLED WITH FOUR (4) TAMPER RESISTANT SCREWS TO THE TOP TIMBER BRIDGE RAIL ON THE RIGHTHAND SIDE OF APPROACH END WHILE LOOKING IN THE DIRECTION OF INCREASING STATIONING. THE PLATE SHALL BE MADE OF SOLID BRASS 3mm THICK WITH IMPRINTED STAMP LETTERING 6mm HIGH. THIS ITEM WILL BE MEASURED AND PAID FOR AT THE CONTRACT UNIT PRICE FOR NAME PLATES.



**NAME PLATE**

**DESIGN LOADING**

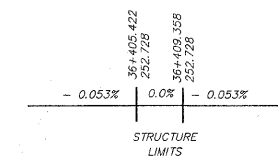
H-10  
**DESIGN STRESSES**  
 $f_c = 24 \text{ MPa}$   
 Reinforcing  $f_y = 420 \text{ MPa}$   
 Fasteners  $f_y = 250 \text{ MPa}$   
 Diaphragm Steel  $f_y = 250 \text{ MPa}$   
 Structural Timber  $F_b = 9.3 \text{ MPa}$   
 Structural Timber  $F_v = 1.14 \text{ MPa}$

**DESIGN SPECIFICATIONS**

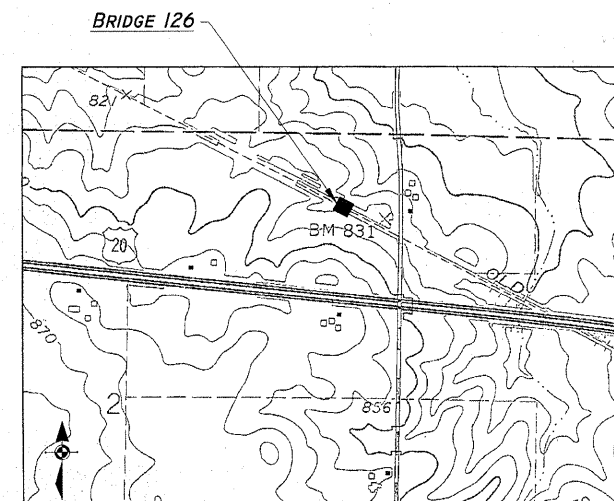
2002 AASHTO Standard Specifications - 17th Edition

**SEISMIC DATA**

Seismic Performance Category (SPC) = A  
 Bedrock Acceleration Coefficient (A) = 3.25%  
 Site Coefficient(s) = 1.0



**PROFILE GRADE**



**LOCATION SKETCH**



Signature: *Ali A. Gharami*  
 Date: 3/5/09  
 Exp. Date: 11/30/10

GENERAL PLAN & ELEVATION  
 OVER A TRIBUTARY DITCH TO  
 PECATONICA RIVER  
 SECTION 94-00267-00-BT  
 WINNEBAGO COUNTY  
 STATION 36+407.39

**REVISIONS**

NO.	ITEM	DATE
2	IDOT Review Comments and Internal Review	1/28/2009

PLOTTING SCALE: 1 : 1  
 DRAWN BY: PLH/JRC/CDS  
 CHECKED BY:  
 DATE: DECEMBER, 2008

**McClure**  
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 Design Firm License: Illinois 184-000816  
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**BRIDGE NO. 126 STA. 36+407.39**  
 PECATONICA PRAIRIE PATH Contract 85443  
 WINNEBAGO COUNTY HIGHWAY DEPARTMENT SECTION 94-00267-00-BT  
 FILE NAME: G:\surveys\PECPATH\1ST RELEASE\98-037 b126.dwg JOB NUMBER: 04-28-98-037

SHEET NO.  
**84**  
 OF  
**98**