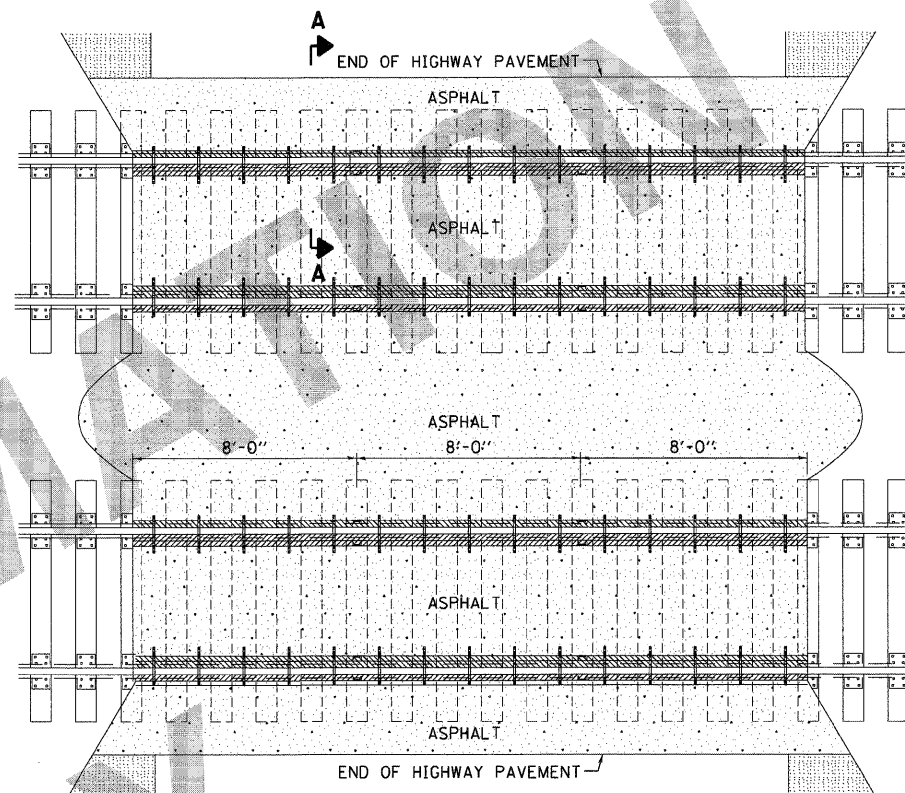


ACUTE ANGLE CROSSING

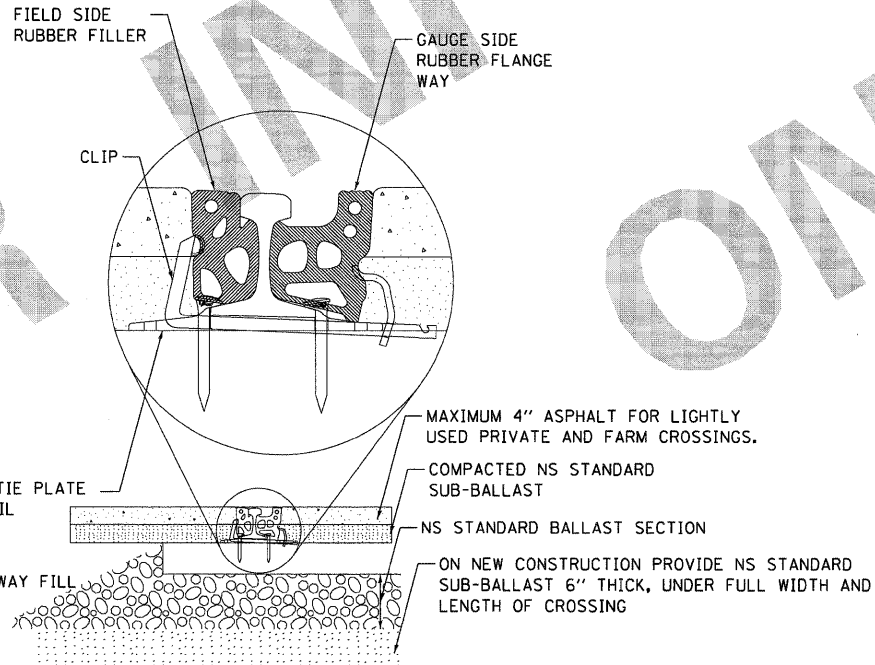
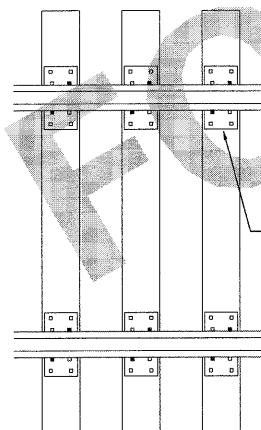


RIGHT ANGLE CROSSING

**RUBBER FLANGE WAY NOTES**  
 CLEAN BASE, WEB AND UNDER THE HEAD OF THE RAIL.  
 FASTEN LENGTHS TOGETHER WITH END CLIPS AND LAY RUBBER AGAINST THE RAIL.  
 INSTALL CLIPS UNDER BOTH RAILS BETWEEN EVERY TIE IN THE CROSSING.  
 RUBBER FLANGE WAY FOR 100-LB RAIL 270 995291  
 RUBBER FLANGE WAY FOR 110RE THROUGH 115RE RAIL 270 991789  
 RUBBER FLANGE WAY FOR 132RE THROUGH 141AB RAIL 270 008791  
 (INCLUDES ALL HARDWARE AND IS FURNISHED IN 8 TRACK FOOT SECTION).

**TIE PLATE NOTES**  
 WORN PLATES MUST BE REPLACED WHEN CROSSING IS RENEWED.  
 STANDARD TIE PLATES TO BE USED FOR 6" BASE RAIL ARE 7 3/4"x 14 3/4".

**SPIKING PATTERN**  
 ALL SPIKES FOR 110\* THRU 141\* RAIL SHALL BE DRIVEN IN HOLES AS SHOWN BELOW.



SECTION A-A

**PAVING NOTES**  
 PAVEMENT TO BE FULL DEPTH ASPHALT, EXCEPT LIGHTLY USED PRIVATE CROSSING AND FARM CROSSINGS. THESE TYPE CROSSINGS ARE TO HAVE COMPACTED NS STANDARD SUB-BALLAST WITH 4" MAXIMUM ASPHALT.

WHERE HIGHWAY OR STREET HAVE SEPARATE SIDEWALKS, THE ENTIRE WIDTH OF CROSSING TO THE OUTSIDE EDGE OF SIDEWALK, WILL BE PAVED, WHERE PRACTICAL.

WHEN NECESSARY PROVIDE DRAINAGE BETWEEN TRACKS.

TO ALLOW FOR COMPACTION OF PAVING UNDER VEHICULAR TRAFFIC, THE SURFACE OF THE ASPHALT PAVING SHALL BE RAISED 3/8" ABOVE THE TOP OF THE RUBBER FLANGE WAYS FOR THE WIDTH OF THE ROADWAY.

IN FULL DEPTH CROSSINGS, LAY ASPHALT IN TWO LIFTS.

JAM STONE OR ASPHALT UNDER RUBBER FLANGE WAY BETWEEN TIES - BOTH FIELD AND GAUGE SIDES. FILL ALL VOIDS.

\\FS-0644\AMV\VAULT\TRANS\97\2282\20868-081\CIVIL\CAD\99 ALL CONTRACTS\CDNN\SHEETS CONTRACT 85\ADBCONN-05-SHT-PVT\DETAIL1.DGN  
 BONDHJJO  
 6-03-2010 14:57:20  
 TENG & ASSOCIATES, INC.  
 ENGINEERS/ARCHITECTS/PLANNERS  
 CHICAGO, ILLINOIS

FILE NAME =	USER NAME = #USER#	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>NORFOLK SOUTHERN RAILWAY COMPANY HIGHWAY GRADE CROSSING ASPHALT PAVING WITH RUBBER FLANGE WAY</b>	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
#FILEL#	PLOT SCALE = #SCALE#	DRAWN - JFS	REVISED -			998	82-2-1HVB	ST. CLAIR	285	107	
	PLOT DATE = #DATE#	CHECKED -	REVISED -			SCALE: SHEET NO. OF SHEETS STA. TO STA.		FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT		CONTRACT NO. 76C44	
		DATE - 06/04/10	REVISED -			I-70 CONNECTION					