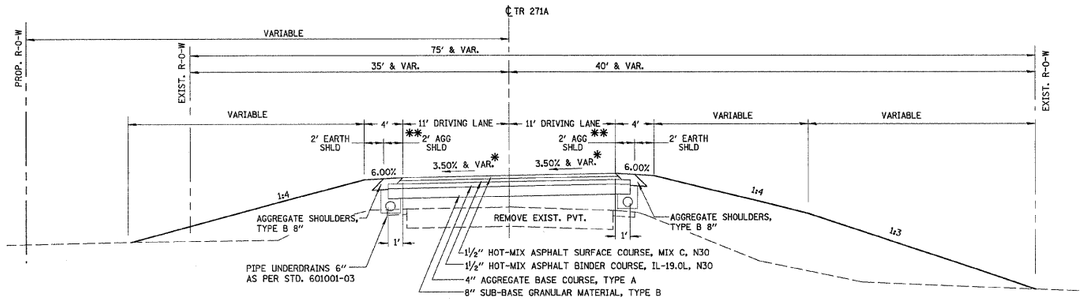


TR 271A

*STA. 54+90.00 TO STA. 59+40.56

AND

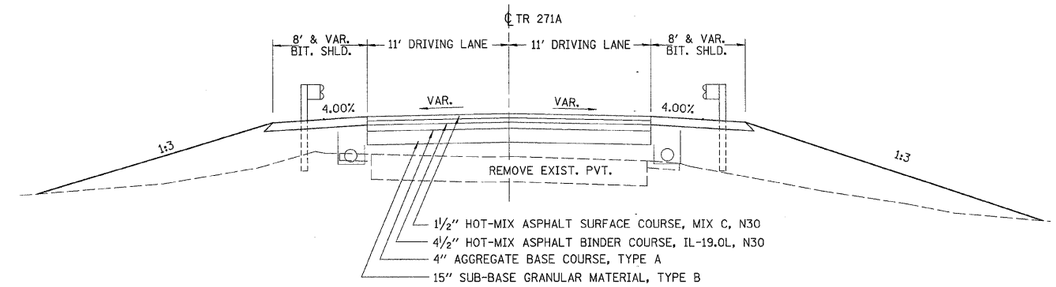
STA. 61.25.58 TO STA. 64+59.75

* BRIDGE OMMISSION STA 59+11.25 TO 60+88.75

** BIT. SHOULDERS FROM STATION:

LT 58+19.61 TO 59+40.75
LT 60+59.25 TO 62+30.67
RT 57+70.18 TO 59+40.75
RT 60+59.25 TO 61+80.32

ALL OTHER LOCATIONS ARE AGGREGATE



TR 271A

BRIDGE APPROACH PAVEMENT CONNECTOR (FLEXIBLE)

STA. 58+11.25 TO 59+11.25

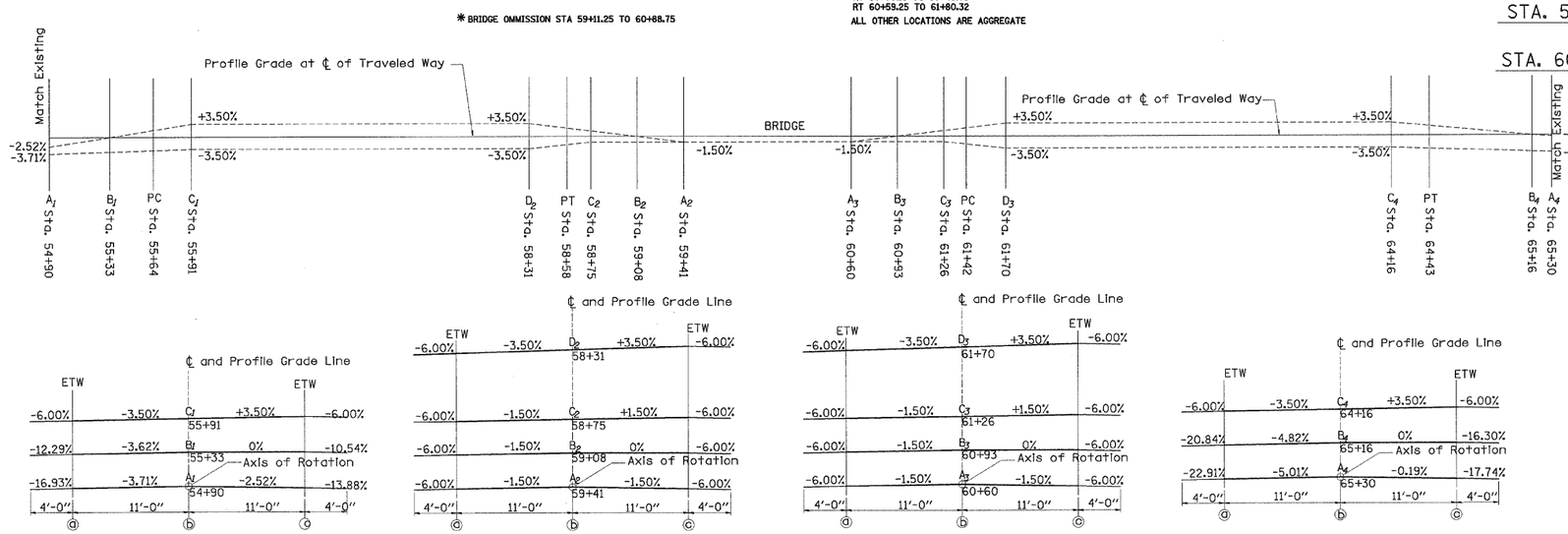
AND

STA. 60+88.75 TO 61+88.75

NOTE:

1) SEE STANDARD 420401-08 FOR TRANSITION INTO BRIDGE APPROACH PAVEMENT.

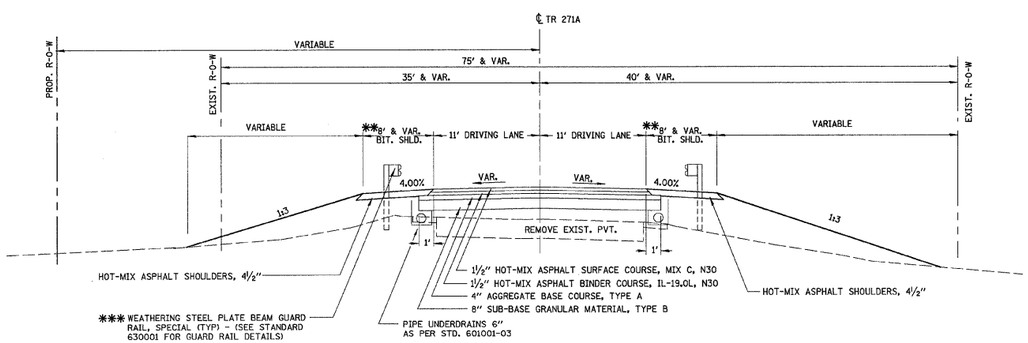
2) ALL PAVEMENT ITEMS INCLUDED IN THE PAY ITEM, BRIDGE APPROACH PAVEMENT CONNECTOR (FLEXIBLE), SHALL BE INCIDENTAL TO SAID ITEM.



PAVEMENT MIXTURE REQUIREMENTS

	CONSTRUCTION		
	HMA BINDER	HMA SURFACE	HMA SHOULDERS
PG GRADE**	PG58-22	PG58-22	PG58-22
DESIGN AIR VOIDS	4.0% @ N30	4.0% @ N30	2.0% @ N30
MIXTURE COMPOSITION (GRADATION MIXTURE)	IL 12.5L	IL 9.5L	IL 19.0
FRICTION AGGREGATE		MIXTURE C	
DENSITY TEST METHOD	CORES	CORES	CORES

** WHEN MORE THAN 20% RAP IS USED, A SOFTER ASPHALT BINDER (PG58-22) MAY BE REQUIRED AS DETERMINED BT THE ENGINEER.



*** GAURD RAIL FROM STATION:

LT 59+03.57 TO 59+28.55
LT 60+71.45 TO 61+46.28
RT 58+53.78 TO 59+28.55
RT 60+71.45 TO 60+96.42

TR 271A

*STA. 59+40.56 TO STA. 61+25.58

AND

STA. 64+59.75 TO STA. 65+30.00

PAVEMENT STRUCTURAL DESIGN
TR 271A

STRUCTURAL DESIGN TRAFFIC (S.D.T.) = YEAR 2020

CLASS III STREET

80,000# TRUCK DESIGN

P.V. 517
S.U. 13
M.U. 3
533 ADT

E_{R1} : (ASSUMED) 2 ksi
TF = 0.03
HMA MIX TEMP. 74°F
HMA E_{AC} = 700 ksi
HMA DESIGN STRAIN 395 microstrain

USE
1½" HOT-MIX ASPHALT SURFACE COURSE, MIX C, N30
1½" HOT-MIX ASPHALT BINDER COURSE, IL-19.0L, N30
12" AGGREGATE BASE

PLAN | NOTE BOOK NO. | SURVEYED | PLOTTED | ALIGNMENT CHECKED | R.O.W. STAKED | PLAN & FIELD CHECKED | BY | DATE

PROFILE | NOTE BOOK NO. | SURVEYED | PLOTTED | GRADES CHECKED | B.M. NOTED | STRUCTURE NOTATNS CHKD | BY | DATE

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WILLETT, HOFMANN & ASSOCIATES, INC.
CONSULTING ENGINEERS
809 East Second Street Dixon, IL 61021
Phone 815.284.3381 Fax 815.284.3385
Design Firm # 184-000918
www.willetthofmann.com

USER NAME =	DESIGNED -	REVISED -	
	DRAWN -	REVISED -	
PLOT SCALE =	CHECKED -	REVISED -	
PLOT DATE =	DATE -	REVISED -	

BUREAU COUNTY
BRIDGE REPLACEMENT
FAS 188 (C.H. 8) OVER IAIS RAILROAD & THE HENNEPIN CANAL

TR 271A – TYPICAL SECTIONS

F.A.S RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
188	05-00195-00-BR	BUREAU	127	100
STA.	TO STA.	CONTRACT NO. 87380		
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT	BRS-0188(118)	