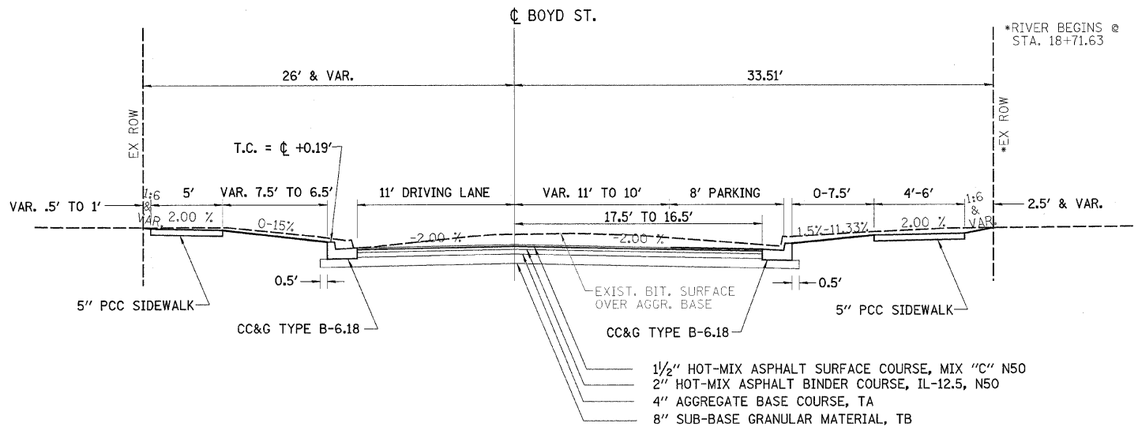
TYPICAL SECTIONS
BOYD STREET



STA. 17+18.97 TO STA. 21+05.00
BRINTON AVE TO DIXON AVE

PAVEMENT STRUCTURAL DESIGN
EAST BOYD ST., DIXON AVE., AND DEMENT AVE.

STRUCTURAL DESIGN TRAFFIC (S.D.T.) = YEAR 2018

CLASS III STREET

80,000# TRUCK DESIGN

P.V. 475
S.U. 25
M.U. 0
500 ADT

E_{RI} : (ASSUMED) 2 ksi
TF = 0.03
HMA MIX TEMP. 73.5°F
HMA E_{AC} = 720 ksi
HMA DESIGN STRAIN N/A

USE

1.5" HOT-MIX ASPHALT SURFACE COURSE, MIX "C" N50
2" HOT-MIX ASPHALT BINDER COURSE, IL 12.5, N50
4" AGGREGATE BASE COURSE, TA
8" SUB-BASE GRANULAR MATERIAL, TB

PAVEMENT MIXTURE REQUIREMENTS

	CONSTRUCTION	
	BINDER	SURFACE
PG:	PG 64-22	PG 64-22
DESIGN AIR VOIDS	4.0 @ N50	4.0 @ N50
MIXTURE COMPOSITION (GRADATION MIXTURE)	IL 12.5	IL 12.5 or 9.5
FRICTION AGGREGATE	N/A	C

PLAN: SURVEYED ___ PLOTTED ___ ALIGNMENT CHECKED ___ R.O.W. MARKED ___ CADD FILE NAME ___ NOTE BOOK NO. ___ BY ___ DATE ___

PROFILE: SURVEYED ___ PLOTTED ___ GRADES CHECKED ___ B.M. NOTED ___ STRUCTURE NOTATIONS CHKD ___ NOTE BOOK NO. ___ BY ___ DATE ___

S:\Trans\1050D07\typicals.dgn

FILE NAME = $FILEL$	USER NAME = $USER$	DESIGNED - ___	REVISED - ___	WILLETT, HOFMANN & ASSOCIATES, INC. CONSULTING ENGINEERS DIXON, IL	TYPICAL SECTIONS	F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS / SHEET NO.
		DRAWN - ___	REVISED - ___			5482	07-00171-00-FP	LEE	25 / 3
	PLOT SCALE = $SCALE$	CHECKED - ___	REVISED - ___					CONTRACT NO. 85429	
	PLOT DATE = $DATE$	DATE - _____	REVISED - ___		SCALE: _____ SHEET NO. __ OF ___ SHEETS STA. _____ TO STA. _____	FED. ROAD DIST. NO. _	ILLINOIS	FED. AID PROJECT	