



DRAINAGE AREA = 23.0 ACRES				
EXISTING LOW GRADE ELEVATION: 819.00 FT. @ 1116+54				
PROPOSED LOW GRADE ELEVATION: 819.00 FT. @ 1116+54				
FLOOD YEAR	FREQUENCY YEAR	DISCHARGE CFS	HEADWATER ELEV. (FT) EXISTING	HEADWATER ELEV. (FT) PROPOSED
TEN-YEAR	10	37	816.08	815.38
DESIGN	50	52	816.29	815.82
BASE	100	60	816.41	816.05
MAX CALC	500	83	816.88	816.63

10-YEAR VELOCITY THROUGH EXISTING CULVERT= 2.9 FPS
 10-YEAR VELOCITY THROUGH PROPOSED CULVERT= 6.7 FPS



FILE NAME = ...load sheets\200793PLN20.dgn	USER NAME = Elgin 110	DESIGNED - MJS	REVISED -
		DRAWN - RMH	REVISED -
		CHECKED - RLH	REVISED -
		DATE - APRIL 30, 2013	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**ROADWAY PLANS
 IL 173 FROM ALPINE ROAD TO I-90**

SCALE: 1"=20' SHEET NO. OF SHEETS STA. 1117+00 TO STA. 1123+00

F.A.P. RTE. 303	SECTION 129R	COUNTY WINNEBAGO	TOTAL SHEETS 968	SHEET NO. 165
			CONTRACT NO. 64988	
ILLINOIS FED. AID PROJECT				