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**STRUCTURE INFORMATION:**

EXISTING SN 056-3123  
 EXISTING 3-SPAN STRUCTURE CONSISTS OF PRECAST, PRESTRESSED CONCRETE DECK BEAMS WITH AN OUT-TO-OUT WIDTH OF 36'-0" AND A TOTAL LENGTH OF 130'-2" BK. TO BK. ABUTMENTS WITH NO SKEW. THE SUBSTRUCTURE CONSISTS OF METAL SHELL PILE BENT PIERS AND ABUTMENTS. STRUCTURE TO BE REMOVED AS SHOWN WITH NO SALVAGE

PROPOSED SN 056-6123:  
 PROPOSED 3-SPAN STRUCTURE CONSISTS OF A 5" THICK REINFORCED CONCRETE WEARING SURFACE ON 27" DEEP PRECAST, PRESTRESSED CONCRETE DECK BEAMS WITH AN OUT-TO-OUT WIDTH OF 48'-0" AND A TOTAL LENGTH OF 142'-7 1/4" BK. TO BK. ABUTMENTS WITH AN 8 DEGREE AHEAD LEFT SKEW. THE SUBSTRUCTURE CONSISTS OF METAL SHELL PILE BENT ABUTMENTS AND CONCRETE ENCASED METAL SHELL PILE BENT PIERS.

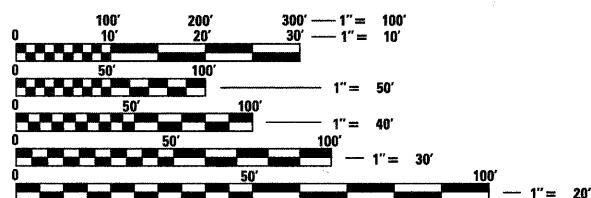
**TRAFFIC DATA**

ADT: WINN ROAD 6,300 VPD (2008) 12,000 VPD (2030)

POSTED SPEED 35 MPH (EXISTING) 40 MPH (PROPOSED)  
 DESIGN SPEED 35 MPH (PROPOSED)

**DESIGN DESIGNATION**

FUNCTIONAL CLASSIFICATION - COLLECTOR (URBAN)



FULL SIZE PLANS HAVE BEEN PREPARED USING STANDARD ENGINEERING SCALES. REDUCED SIZED PLANS WILL NOT CONFORM TO STANDARD SCALES. IN MAKING MEASUREMENTS ON REDUCED PLANS, THE ABOVE SCALES MAY BE USED.

J.U.L.I.E.  
 JOINT UTILITY LOCATION INFORMATION FOR EXCAVATION  
 CALL 811



Illinois Professional Design Firm # 184-000108



**SEC GROUP, INC.**  
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PROJECT ENGINEER: KEVIN M. ARFT, P.E.  
 PROJECT MANAGER: ROBERT G. DAVIES, S.E., P.E.

CONTRACT NO. 63544

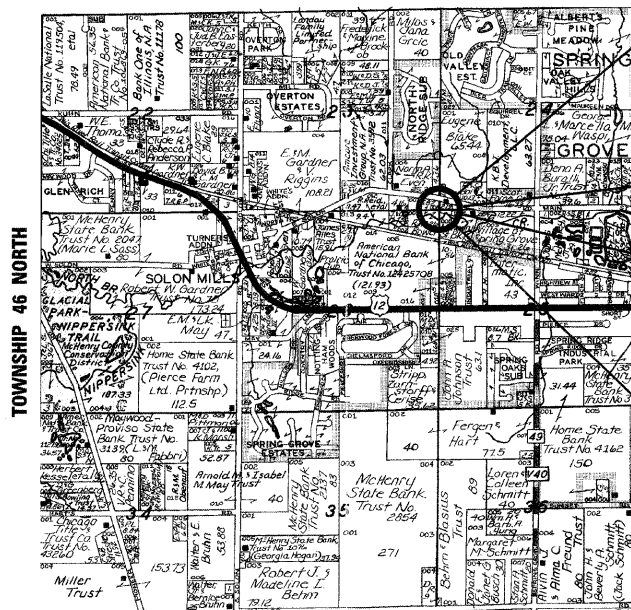
STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION  
 DIVISION OF HIGHWAYS

**PLANS FOR PROPOSED  
 FEDERAL AID HIGHWAY**

FAU ROUTE 0157 (WINN ROAD)  
 BRIDGE REPLACEMENT OVER NIPPERSINK CREEK  
 SECTION 07-00012-00-BR  
 PROJECT NO: BRM-8003-(922)  
 STRUCTURE NO: 056-6123  
 VILLAGE OF SPRING GROVE  
 McHENRY COUNTY  
 JOB NO: C-91-141-08

**PROJECT LOCATION MAP**

RANGE 8 EAST



END PROJECT  
 STA. 33 + 38

PROJECT  
 LOCATION

BRIDGE REMOVAL  
 AND REPLACEMENT  
 STA. 29 + 85.48 TO  
 STA. 31 + 28.08  
 L = 142.6 FT  
 EX SN: 056-3123  
 PR SN: 056-6123

BEGIN PROJECT  
 STA. 28 + 00

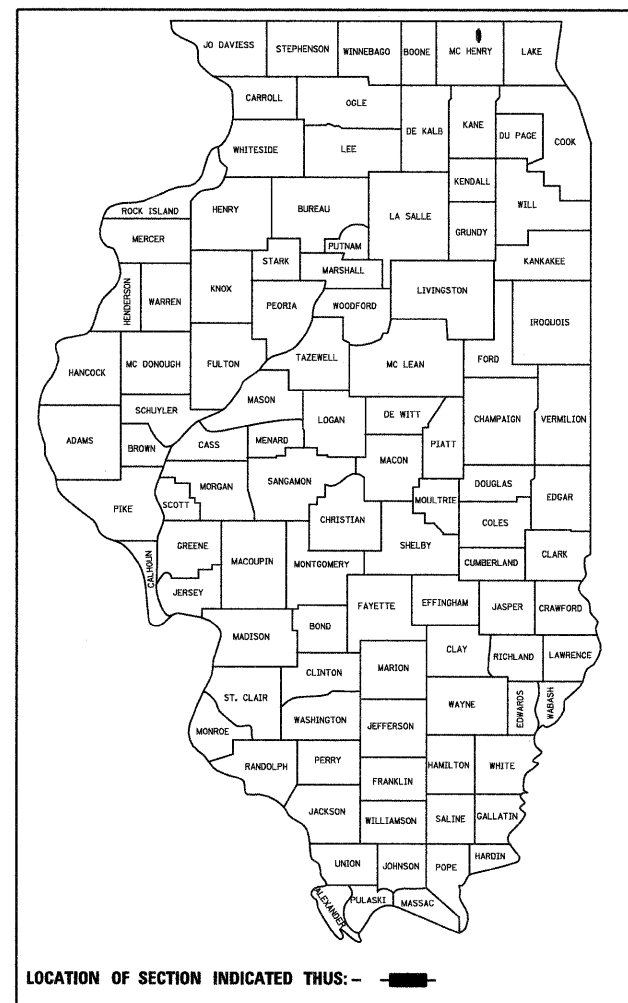
3rd P.M. RICHMOND TOWNSHIP

**PROJECT LENGTH**

NET LENGTH OF PROJECT (WINN ROAD) = 337.4 FT (0.064 MI)  
 STRUCTURE LENGTH (056-6123) = 142.6 FT  
 GROSS LENGTH OF PROJECT = 537.8 FT (0.10 MI)

PROJECT IS LOCATED IN THE  
 VILLAGE OF SPRING GROVE

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0157	07-00012-00-BR	MCHENRY	41	1
FED. ROAD DIST. NO.		ILLINOIS	CONTRACT NO. 63544	



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STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION  
 DIVISION OF HIGHWAYS

APPROVED JUNE 29, 2011  
*Mark R. ...*  
 VILLAGE OF SPRING GROVE

PASSED JULY 15, 2011  
*Chris Christopher*  
 DISTRICT ONE ENGINEER OF LOCAL ROADS AND STREETS

RELEASING FOR BID  
 BASED ON LIMITED REVIEW JULY 18, 2011  
*Deane M. O'Keefe*  
 DEPUTY DIRECTOR OF HIGHWAYS, REGION ONE ENGINEER

STRUCTURAL ENGINEER'S SIGN & SEAL

*Robert G. Davies* 6/27/2011  
 ROBERT G. DAVIES, S.E., P.E.  
 EXPIRES: 11-30-2012

PROFESSIONAL ENGINEER'S SIGN & SEAL

*Kevin M. Arft* 6/27/2011  
 KEVIN M. ARFT, P.E.  
 EXPIRES: 11-30-2011

COMPANY NAME: SEC GROUP, INC.  
 PROJECT CONTACT: Robert G. Davies  
 DATE PLOTTED: 6/27/2011 2:00:15 PM  
 FILE NAME: 090212\_CIV.dwg  
 PLOT DRIVER: pdl.plt  
 STANDARD: TRANS.TBL  
 PROGRAM AND OFFICE ENGINEER: CHARLES F. RIDDLE, P.E. (847) 705-4406, SCHAUMBURG, IL