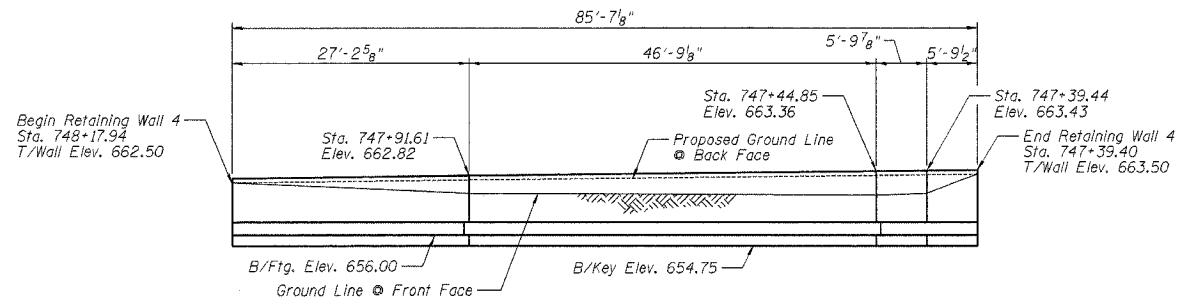


STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

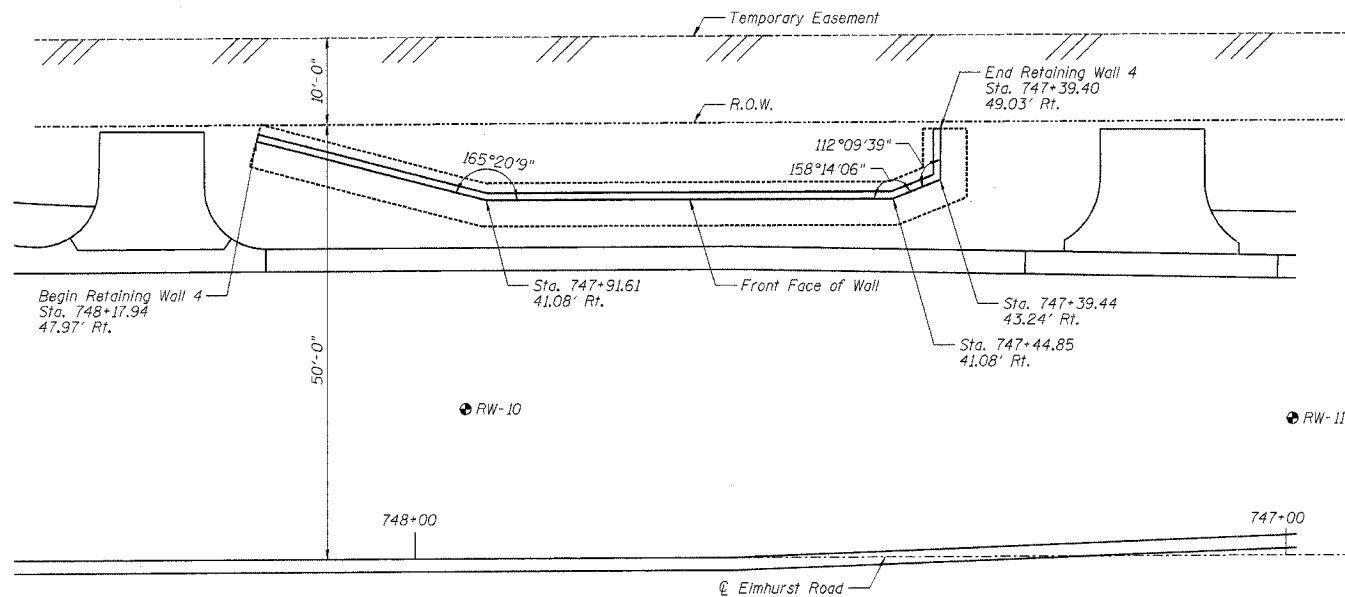
ROUTE NO.	SECTION	COUNTY	SHEETS	SHEET NO.
S. B. I.	#	COOK	193	168
FED. ROAD DIST.	ILLINOIS	FED. AID PROJECT		
1313J B		Contract No. 62878		

Benchmark: ACEI Chiseled "□" in south side of concrete cantilever traffic signal foundation located at the N.E. corner of Elmhurst Rd. & the Eastbound Palatine Frontage Rd. Elev. = 662.25

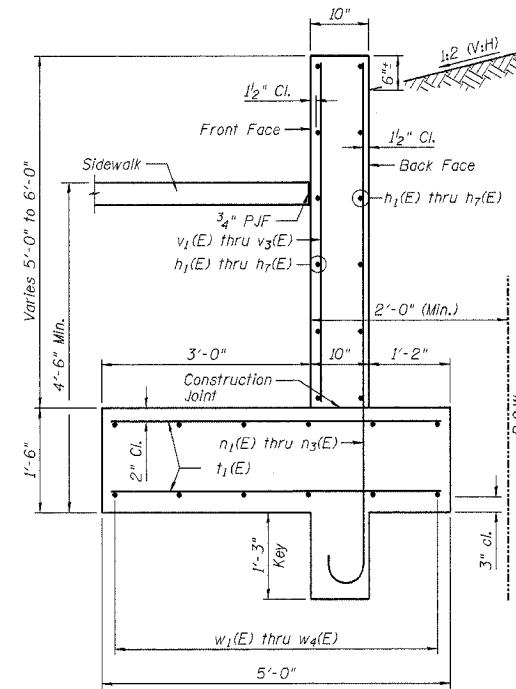
Existing Structure: None



DEVELOPED ELEVATION
(Looking North & East)

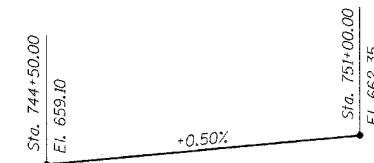


PLAN

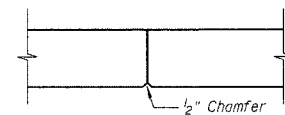


CROSS-SECTION

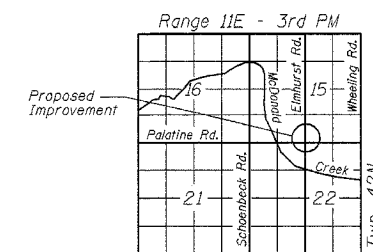
Maximum Soil Pressure Under Footing = 1500 psf



PROFILE GRADE
ELMHURST RD.
(E Roadway)



CONSTRUCTION JOINT



LOCATION SKETCH

TOTAL BILL OF MATERIAL

ITEM	UNIT	QUANTITY
Concrete Structures	Cu. Yd.	41.9
Reinforcement Bars, Epoxy Coated	Pound	3,140
Structure Excavation	Cu. Yd.	192.0

GENERAL NOTES:

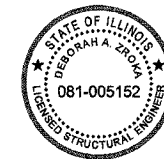
1. Reinforcement bars shall conform to the requirements of AASHTO M-31, M-42 or M-53, Grade 60.
2. The Back Face of the Retaining Wall shall be waterproofed according to Article 503.18 of the Standard Specifications.
3. The Footing Key shall be placed against undisturbed soil.

DESIGN SPECIFICATIONS

2002 AASHTO

DESIGN STRESSES

$f'_c = 3,500$ psi
 $f_y = 60,000$ psi (reinforcement)



Signature: *Dimitry J. Zorka*
Date: 12/20/04
Expires: 11-30-06

GENERAL PLAN & ELEVATION

RETAINING WALL NO. 4

FAP 305/PALATINE ROAD

SECTION 1313.1 B

COOK COUNTY

STA. 748+23.64 TO STA. 747+21.92

STRUCTURE NO. 016-W789

BRANCO & ZROKA ENGINEERING, P.C.

DESIGNED	LAS
CHECKED	DAZ
DRAWN	SAW
CHECKED	LAS

LEGEND

• Soil Boring

November 2004