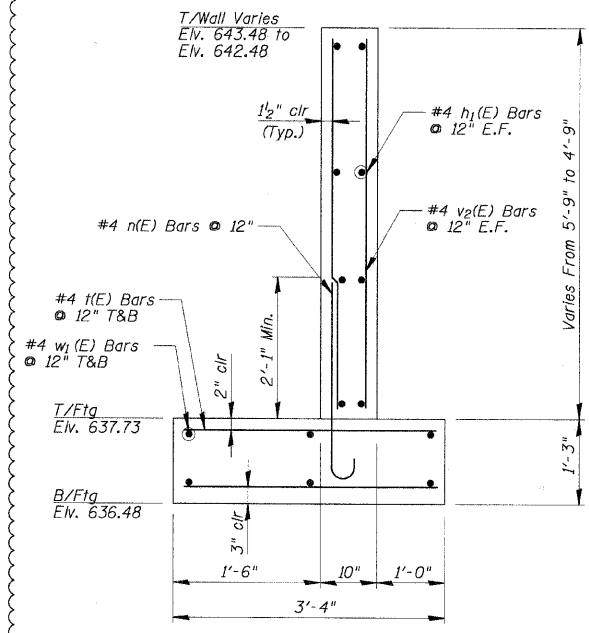
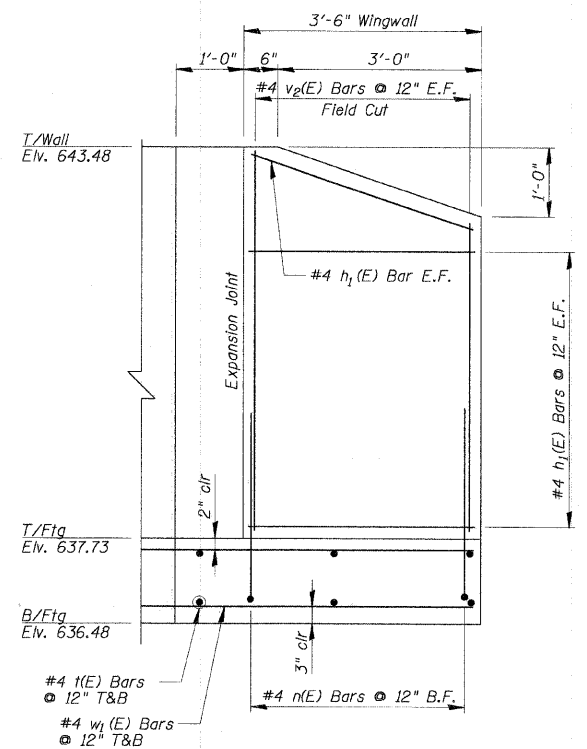


DATE: \_\_\_\_\_ BY: \_\_\_\_\_  
 CHECKED: \_\_\_\_\_  
 ALIGNED: \_\_\_\_\_  
 NOTE BOOK NO. \_\_\_\_\_  
 CAD FILE NAME: \_\_\_\_\_

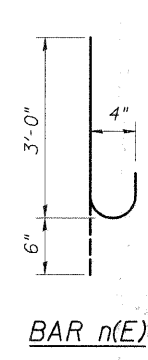
DATE: \_\_\_\_\_ BY: \_\_\_\_\_  
 CHECKED: \_\_\_\_\_  
 BRIDGE NO. \_\_\_\_\_  
 STRUCTURE NO. \_\_\_\_\_



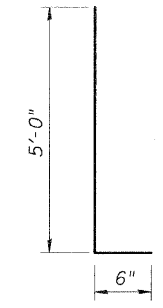
**TYPICAL WINGWALL SECTION**



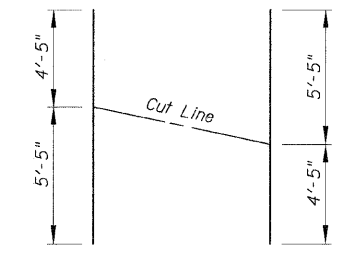
**TYPICAL WINGWALL ELEVATION**



**BAR n(E)**



**BAR v(E)**

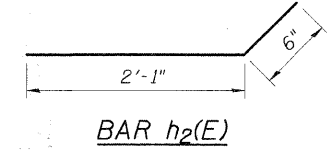


**CUTTING DIAGRAM v2(E) BARS**

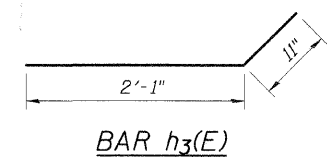
**BILL OF MATERIAL PER ABUTMENT**

Bar	No.	Size	Length	Shape
a(E)	10	#4	15'-8"	—
b(E)	17	#4	9'-8"	—
h(E)	16	#4	18'-8"	—
h1(E)	24	#4	3'-2"	—
h2(E)	12	#4	2'-7"	┘
h3(E)	12	#4	3'-0"	—
n(E)	12	#4	3'-6"	┘
k(E)	66	#4	3'-0"	—
u(E)	30	#4	5'-4"	┘
v(E)	40	#4	5'-6"	┘
v1(E)	40	#4	3'-2"	—
v2(E)	8	#4	9'-10"	—
v3(E)	4	#4	5'-5"	—
w(E)	8	#4	19'-8"	—
w1(E)	16	#4	6'-1"	—
Concrete Structures		Cu. Yd.	20.5	
Reinforcement Bars, Epoxy Coated		Pound	1,250	

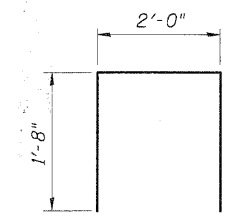
\* Includes Approach Slab and Wingwalls



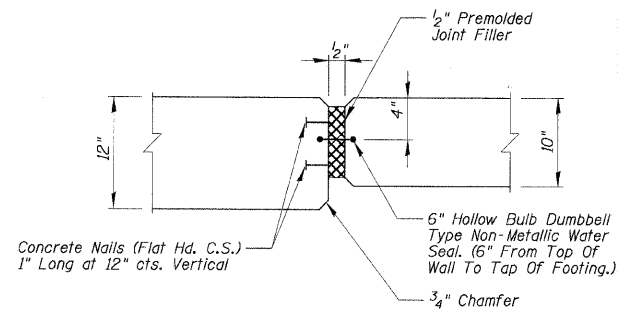
**BAR h2(E)**



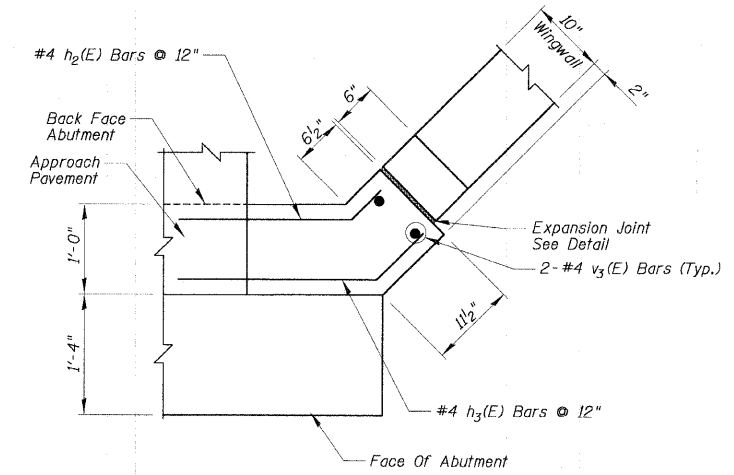
**BAR h3(E)**



**BAR u(E)**



**TYPICAL EXPANSION JOINT DETAIL**



**CORNER DETAIL**

REVISIONS	
NAME	DATE
1. PER IDOT COMMENTS	5/22/09

ILLINOIS DEPARTMENT OF TRANSPORTATION  
**BRIDGE 1**  
**STA. 19 + 20.00**  
**WINGWALL AND DETAILS**

SCALE: NOT TO SCALE  
 DATE: 5/22/2009  
 DRAWN BY: PDR  
 CHECKED BY: PLB