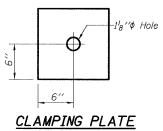


- \*\* Existing Dowel Rods shall be cut flush with the top of abutment seat. After beams have been erected, holes shall be drilled into substructure and anchor dowels placed.
- \*\*\* h(E) bars in backwall at Concrete Median  $h_1(E)$  bars in backwall at Sidewalk





## SHEAR KEY CLAMPING DETAILS AT STAGE CONST. JT.

Cost included with Precast Prestressed Concrete Deck Beams. See Stage Construction Details for traffic lanes.

\*\* Cast semicircular recesses in the sides of each beam adjacent to the stage construction line. These recesses should align to form a hole at the appropriate locations for the clamping device bolts.

## $u_1(E)$ u(E)

BAR u(E) and  $u_1(E)$ 

## BILL OF MATERIAL

Bar	No.	Size	Length	Shape	
h(E)	12	#5	6'-2"		
h1(E)	8	#5	9′-9"		
u(E)	6	#5	4'-9"		
u1(E)	4	#5	5′-1′′	П	
Approach Slab Removal			Sq. Yd.	130	
Concrete Removal			Cu. Yd.	2.1	
Concrete Structures			Cu. Yd.	1.8	
Reinforcement Bars, Epoxy Coated			Pound	420	

LEGEND:

Limits of Approach Slab Removal

Limits of Concrete removal

Limits of Removal of Existing Superstructure

**MACTEC** 

FILE NAME =	USER NAME = 3202080907	DESIGNED - KO	REVISED -
0493040-63531-012-AbutDetails.dgn		CHECKED ~ WPM	REVISED ~
	PLOT SCALE = 2.0000 '/ IN.	DRAWN - KO	REVISED -
	PLOT DATE = 10/25/2010	CHECKED - WPM	REVISED -

x 12'' x 1'' Steel Plate

(M-270 Grade 36) Top & Bottom

1" \$\phi\$ Stud Bolt threaded 6" Each

End with washers and nuts.

Coat with a water soluble

(Min. Fy=50 ksi)

lubricant.

Steel Shims, Top and

Bottom (If required)

1'-6"

Stage Construction Line -

Grouted Key-

3" x 3" x ¼" № Washer

Top and Bottom

Formed hole

-12" x 12" x 1" Steel Plates at 3'-0" cts. Top and Bottom., Each Span

PLAN

Ψ

**SECTION** 

STATE OF ILLINOIS **DEPARTMENT OF TRANSPORTATION** 

ABUTMENT DETAILS							
STRUCTURE	NO. 049-3040 (NB)						
	10 OF 15 CUESTS						

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.		
2626	2626 05-00193-04-BR		36	23		
CONTRACT NO. 63531						
ILLINOIS FED. AID PROJECT						