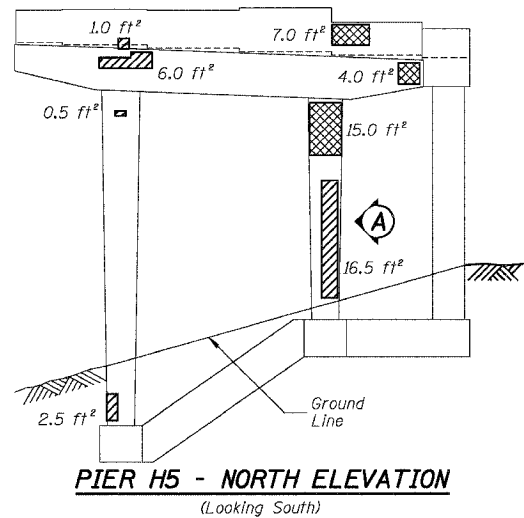
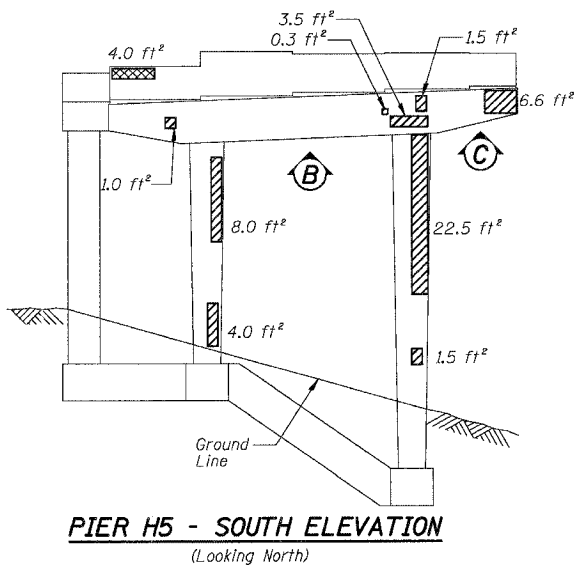


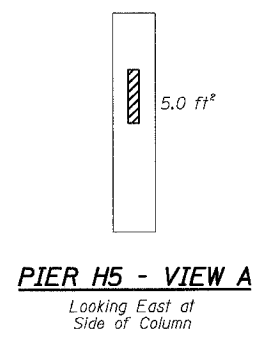
F.A.I.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94/90	2003-028F	COOK	419	253
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		
62580				



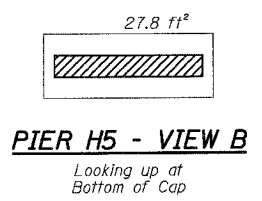
PIER H5 - NORTH ELEVATION
(Looking South)



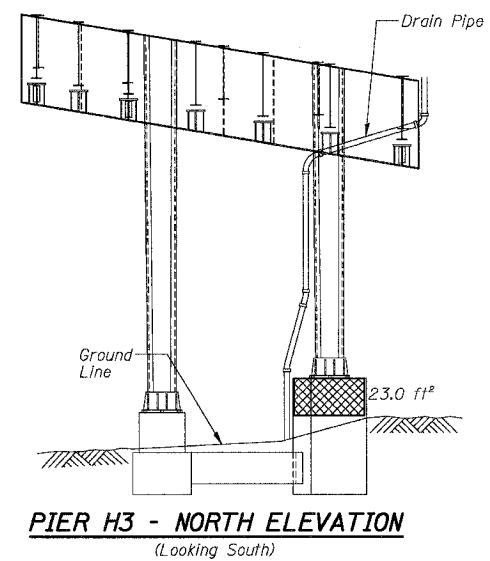
PIER H5 - SOUTH ELEVATION
(Looking North)



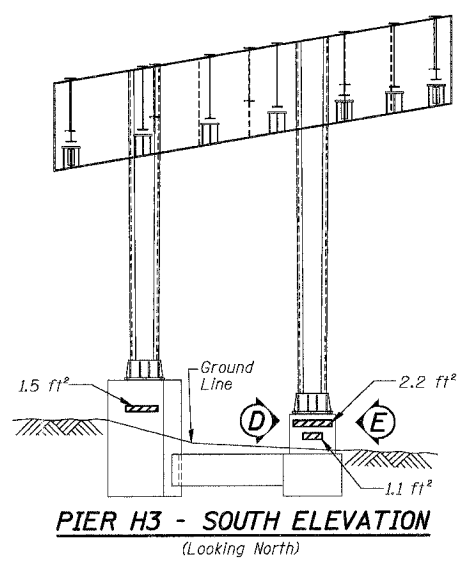
PIER H5 - VIEW A
Looking East at Side of Column



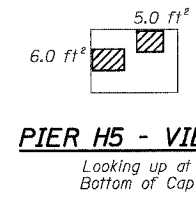
PIER H5 - VIEW B
Looking up at Bottom of Cap



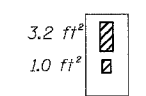
PIER H3 - NORTH ELEVATION
(Looking South)



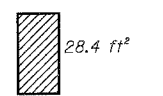
PIER H3 - SOUTH ELEVATION
(Looking North)



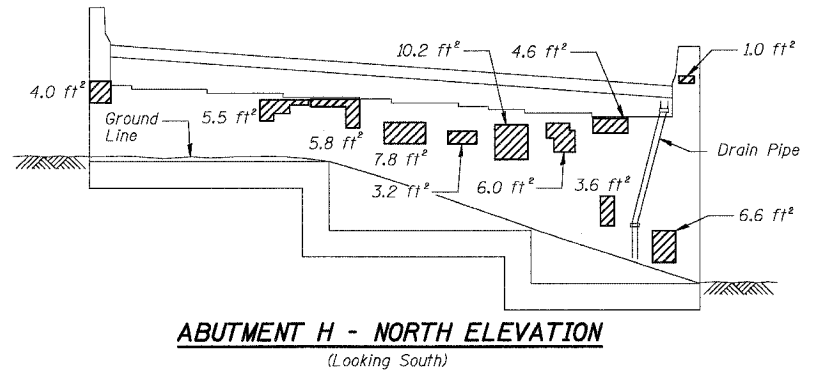
PIER H5 - VIEW C
Looking up at Bottom of Cap



PIER H3 - VIEW D
Looking East at Side of Pedestal



PIER H3 - VIEW E
Looking West at Side of Pedestal



ABUTMENT H - NORTH ELEVATION
(Looking South)

LEGEND

- High Performance Enhanced Shotcrete
- Formed Concrete Repair (Depth Greater than 5")
- Cracks to be Epoxy Sealed
- View Indicator

BOWMAN, BARRETT & ASSOCIATES INC
CONSULTING ENGINEERS
Chicago, Illinois
312.228.0100
www.bbainc.com

Notes:

- If top of pier cap concrete repairs extend under the bearings the Engineer shall determine if bearing removal is required to accomplish the repair. If directed to remove bearings, the Contractor shall jack and remove bearings according to the procedures outlined on sheet and the Special Provisions. The bearing removal and resetting will be paid at the contract unit price for "Jack and Remove Existing Bearings". New anchor bolts, if required, shall be provided as directed by the Engineer and will be paid at the contract unit price for "Anchor Bolts".
- For concrete repairs greater than 5 inches in depth at cantilevered pier caps, temporary support shall be provided by the Contractor. Details for the temporary support system shall be submitted for review and approval. Concrete repairs at these locations shall be done one side at a time and coordinated with the MOT to assure no live load is directly above. The cost of shoring shall be included in the cost for "Temporary Shoring & Cribbing".
- Defect Locations and Areas based on inspections during Summer 2003. Total repair quantities have been increased by 15% to account for defect growth. Actual locations and areas of repair shall be determined in field by the Engineer.
- Extra care shall be taken by the Contractor during the Concrete Repairs not to damage any conduits, junction boxes or drainage down spouts attached to the columns or pier caps. The Contractor shall repair any such damages caused by this operation as directed by the Engineer at no additional cost to the department. The Contractor shall remove and re-install any conduits, junction boxes or drainage down spouts that interfere with the concrete repairs at no additional cost to the department.
- Repair one face of column at a time.
- Views shown for piers with Found Defects only.
- For Drainage Repairs, See Drainage Repair Detail Sheets.

BILL OF MATERIAL

ITEM	UNIT	QUANTITY
High Performance Enhanced Shotcrete	SQ. FT.	247.1
Formed Concrete Repair (Depth Greater than 5")	SQ. FT.	61.0

REVISIONS NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
F.A.I. 94/90 (DAN RYAN EXPRESSWAY)
NB DAN RYAN ELEVATED BRIDGE
REPAIR FROM 15TH TO 28TH STREETS
CONCRETE PIER REPAIRS
SN 016-1118, PIERS H-3,H-5, S. ABUTMENT
SCALE: NTS
DATE: 7/22/2005
DRAWN BY: BDC
CHECKED BY: BLU