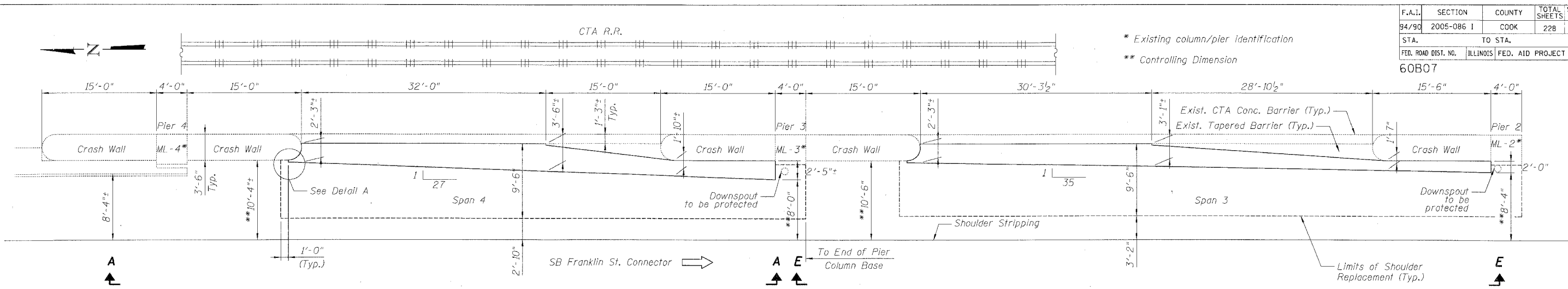


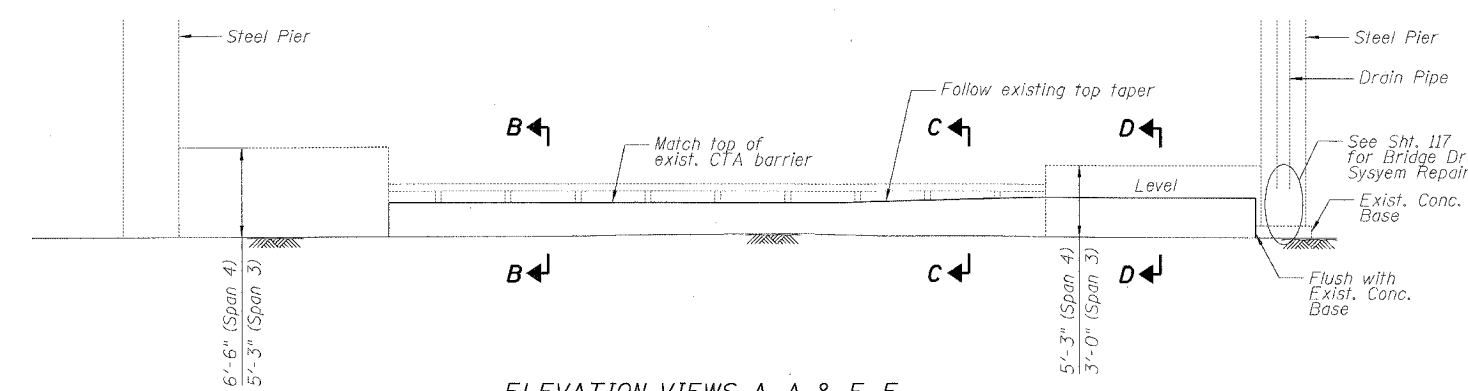
F.A.I.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94/90	2005-086 1	COOK	228	117B
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

60B07

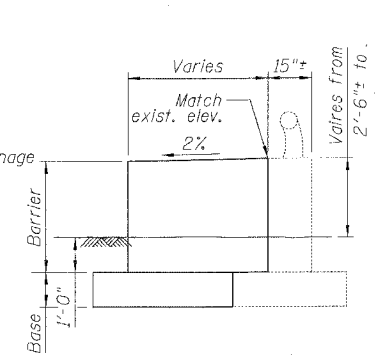
* Existing column/pier identification
 ** Controlling Dimension



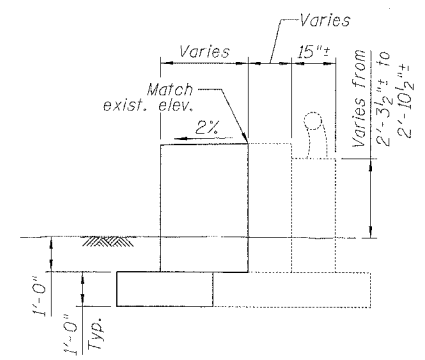
PLAN



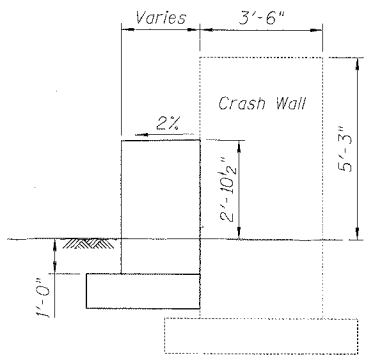
ELEVATION VIEWS A-A & E-E



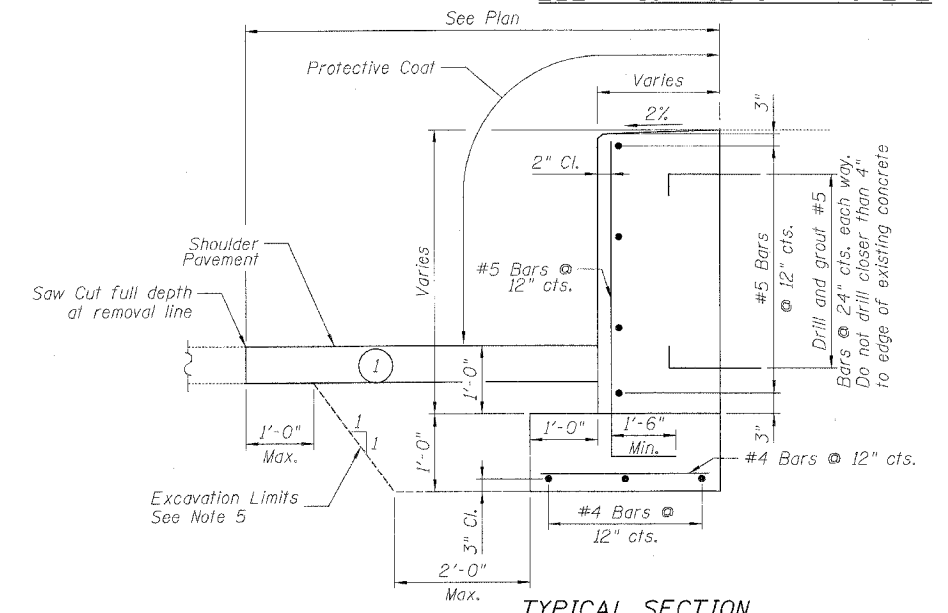
SECTION B-B



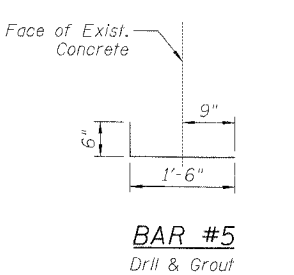
SECTION C-C



SECTION D-D



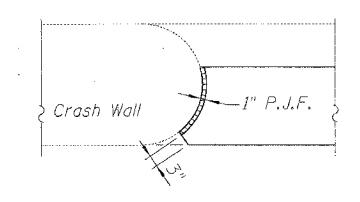
TYPICAL SECTION



BAR #5
Drill & Grout

MIN. BAR LAP

- #4 - 1'-8"
- #5 - 2'-2"



DETAIL A

NOTES:

1. Proposed dimensions shall be field verified prior to ordering of materials. Costs shall be included in "Pier Protection System".
2. Controlling dimensions shown shall be used to control taper rates.
3. Provide 1" P.J.F. between new concrete and existing crash walls.
4. Remove any loose spalled concrete from existing barrier and clean reinforcement bars as required prior to capping with new concrete.
5. Excavation as required to install barrier and base. Backfill with Subbase Granular Material, Type C. Limits shall be minimized as practical.

SN 016-1117 DOWNSPOUT-PROTECTIVE BARRIER

Contractor shall provide Barrier Protection as shown, based on field conditions and as directed by the Engineer. See Special Provisions.

1
 Hot-Mix Asphalt Shoulders, 10"
 AC Type: PG 64-22/58-22
 Percent Air Voids: 4% @ 70Gyr
 Max Rap%: 15/25
 Mix Type: HMA Shoulder (HMA Binder IL-19mm)
 Contractor has option to vary RAP%.
 When RAP exceeds 20%, the new asphalt binder in the mix shall be PG 58-22.

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

BILL OF MATERIAL

ITEM DESCRIPTION	UNIT	QUANTITY
Pier Protection System	L. SUM	1

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
 F.A.I. 94/90 (DAN RYAN EXPRESSWAY)
 DAN RYAN ELEVATED BRIDGE
 BEARING REPLACEMENT & STEEL REPAIR
 S.N. 016-1117
 DOWNSPOUT PROTECTION
 SCALE: NTS
 DATE: 3/7/2008
 DRAWN BY: LAM
 CHECKED BY: BLU

I:\660\040\BRIDGE\21\AS\117\60B07.DWG
 B:\117\21\2008