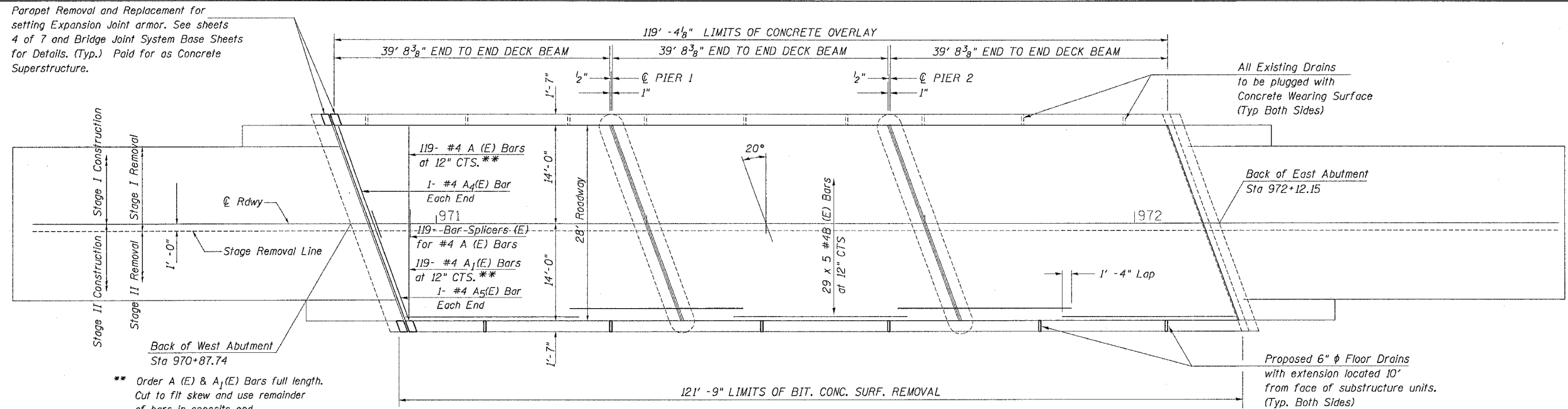
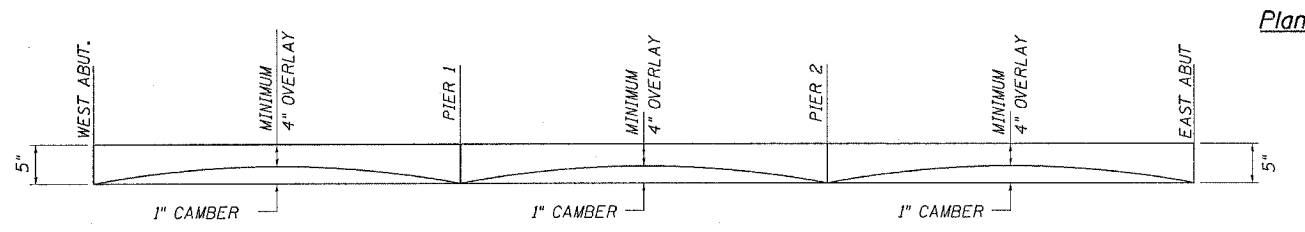


| F.A.S. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---------------------|---------|----------|------------------|-----------|
| 2079 | 16BR-M | OGLE | 14 | 7 |
| STA. | | TO STA. | | |
| FED. ROAD DIST. NO. | | ILLINOIS | FED. AID PROJECT | |



** Order A (E) & A₁(E) Bars full length. Cut to fit skew and use remainder of bars in opposite end.



Note: The Contractor shall install 12 new 6" φ Floor Drains by core-drilling through the parapet wall as shown on the plans or as directed by the Engineer. All cost associated with installing the drains shall be included in concrete superstructure. The contractor shall plug all existing drains with concrete as directed by the Engineer. All cost associated with this work shall be included in Concrete Wearing Surface.

GRADE PROFILE

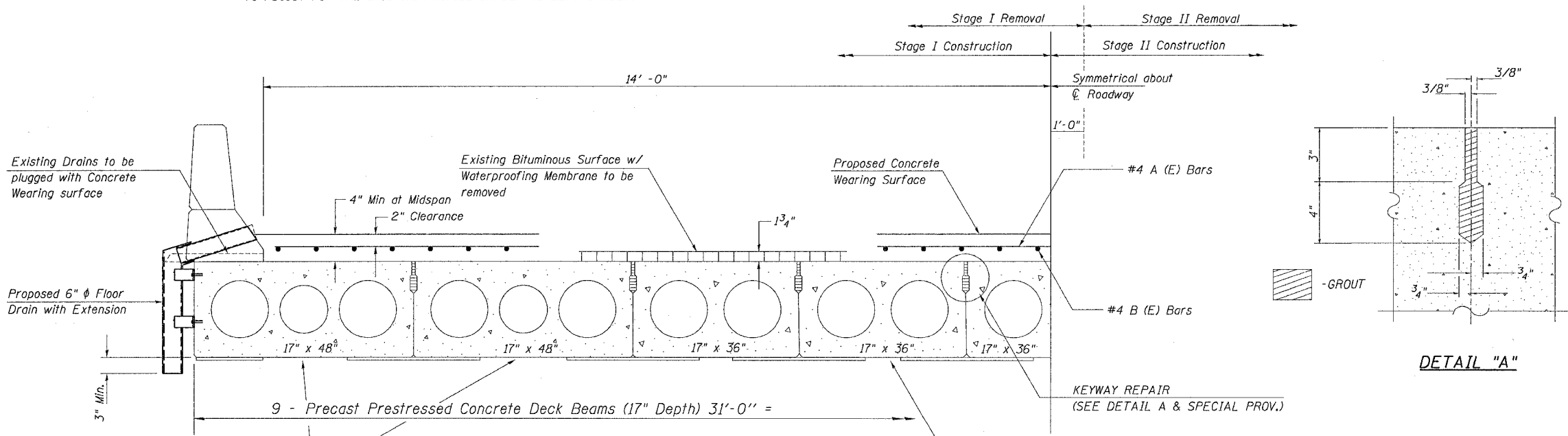
THE MINIMUM THICKNESS OF THE CONCRETE OVERLAY VARIES AS REQUIRED TO ADJUST FOR THE EXISTING PROFILE GRADE AND BEAM CAMBER.

Bill of Material

| BAR | NO. | SIZE | LENGTH | SHAPE |
|--------------------|-----|------|-----------|-------|
| A (E) | 121 | 4 | 13' - 9" | — |
| A ₁ (E) | 121 | 4 | 13' - 11" | — |
| A ₂ (E) | 3 | 5 | 14' - 7" | — |
| A ₃ (E) | 3 | 5 | 14' - 11" | — |
| A ₄ (E) | 2 | 4 | 14' - 7" | — |
| A ₅ (E) | 2 | 4 | 14' - 11" | — |
| B (E) | 145 | 4 | 24' - 10" | — |
| H (E) | 6 | 6 | 14' - 9" | — |
| H ₁ (E) | 6 | 6 | 17' - 3" | — |
| U (E) | 29 | 5 | 3' - 8" | — |

| | | |
|---|-------|------|
| BIT CONC SUR REM COMPLETE | SQ YD | 379 |
| CONC WEARING SURF 4" | SQ YD | 372 |
| BR DECK GROOVING | SQ YD | 345 |
| CONC SUPERSTRUCTURE | CU YD | 3.3 |
| CONC REM | CU YD | 2.9 |
| F & E STRUCT STEEL | POUND | 418 |
| REINF BARS, EPOXY CTD | POUND | 5176 |
| KEYWAY REPAIR | FT | 960 |
| DOWEL REPAIR | EA | 90 |
| BEARING PAD ADJUSTMENT | EA | 78 |
| BRIDGE JOINT SYSTEM (EXPANSION), 1 5/8" | FT | 31 |
| PROTECTIVE COAT | SQ YD | 372 |
| BAR SPLICERS | EA | 130 |
| FLOOR DRAIN EXTENSION | EA | 12 |

REINFORCEMENT BARS DESIGNATED (E) SHALL BE EPOXY COATED. BARS INDICATED THUS 34X3-#4 BARS INDICATES 34 LINES OF BARS WITH 3 LENGTHS PER LINE.



DETAIL "A"

FILL OPENINGS SURROUNDING FABRIC BEARING PADS AT PIERS AND EAST ABUTMENT WITH EPOXY GROUT. TO BE PAID FOR AS BEARING PAD ADJUSTMENT.

HALF CROSS SECTION

THE CONTRACTOR SHALL INSTALL 1/8" X 9" X 9" STAINLESS STEEL SHIMS AT BEARING PADS, WHERE REQUIRED ON WEST ABUTMENT. TO BE PAID FOR AS BEARING PAD ADJUSTMENT.

NOTE: THE QUANTITY GIVEN FOR KEYWAY REPAIR INCLUDES THE FULL LENGTH OF ALL KEYWAYS. THE ACTUAL KEYWAY REPAIR LOCATIONS SHALL BE DETERMINED BY THE ENGINEER AFTER REMOVAL OF THE EXISTING WEARING SURFACE.

**DECK PLAN & CROSS SECTION
US 52 OVER ELKHORN CREEK
FAS ROUTE 2079 (US 52)
SECTION 16BR-M
OGLE COUNTY
STRUCTURE NUMBER 071-0070**

PLT DATE = Tue Feb 08 08:35:25 2005
FILE NAME = D:\BR\16BR-M\Ogle County\0710070.dgn
PLOT SCALE = 1/8" = 1'-0"
REFERENCE = SHEET 2