| F.A.I. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---|---|---|---|---|
| 80 | * | WILL | 160 | 1 |
| FED. ROAD DIST. NO. | ILLINOIS | FED. AID PROJECT | | |

* 99-4-1RS-3 & 99-4-1VB-1

D-91-225-93

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

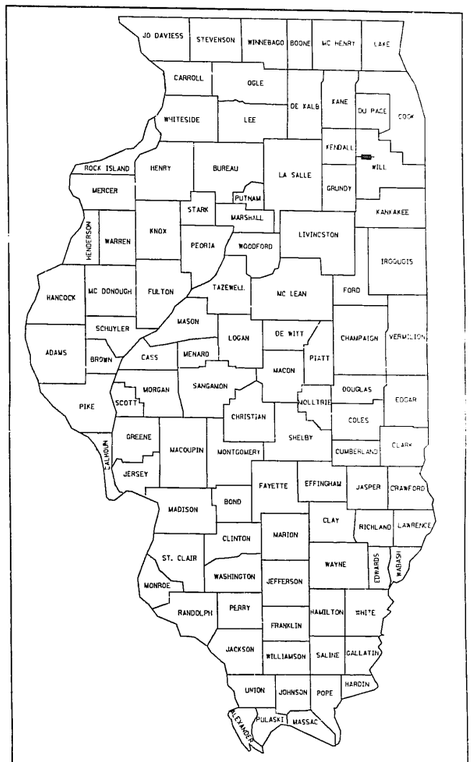
# PLANS FOR PROPOSED HIGHWAY

FOR INDEX OF SHEETS, SEE SHEET NO. 2

IMPROVEMENT LOCATED IN THE CITY OF JOLIET

SCALES: PLAN / PROFILE HORIZ. / PROFILE VERT. / CROSS SECTIONS

## F.A.I. ROUTE 80
## SECTION 99-4-1RS-3 & 99-4-1VB-I
## WEST OF ROWELL AVENUE TO U.S. ROUTE 30
## RESURFACING MAINTENANCE AND BRIDGE DECK REPAIRS
## WILL COUNTY
## C-91-225-93




LOCATION OF SECTION INDICATED THUS:-

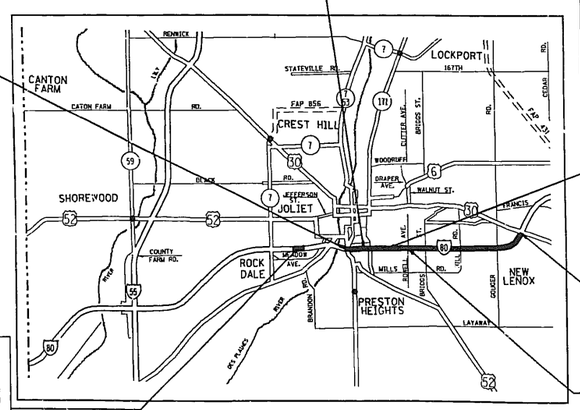
**POSTED SPEED LIMIT**
F.A.I.-80: 55 MPH

**TRAFFIC DATA**
F.A.I. 80
1995 ADT = 75,200

STA. EQUATION
STA. 456+00 BK=
STA.457+06.03 AH

R. 10 E. R. 11 E.

IMPROVEMENT BEGINS
STA. 432+05




N

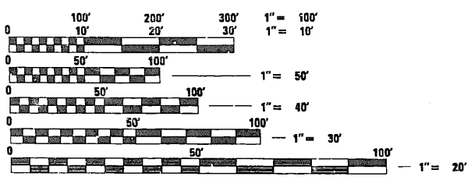
T. 35 N.

STA. EQUATION
STA. 487+92.54 BK(PT)=
STA.488+81.44 AH

IMPROVEMENT ENDS
STA. 664+00

F.A.I. 80 OVER SB MEADOW AVE (S.N. 099-0052/0053)
F.A.I. 80 AT SOUTHBOUND CENTER STREET TO EASTBOUND I-80 (S.N. 099-0054/0055)
F.A.I. 80 AT DES PLAINES RIVER (S.N. 099-0056/0057)
F.A.I. 80 AT IL. ROUTE 53 (S.N. 099-0058/0059)
F.A.I. 80 AT ATSF / GMO RR & GARDNER STREET (S.N. 099-0060/0061)
F.A.I. 80 AT HICKORY CREEK (S.N. 099-0062/0063)
F.A.I. 80 AT RICHARDS STREET (S.N. 099-0064/0065)
F.A.I. 80 RAMP CA OVER SB CENTER ST (S.N. 099-0074)
BRIDGE DECK PATCHING
JOINT REPAIR

F.A.I. 80 AT ROWELL AVENUE AND E.J. & E. R.R. (S.N. 099-0066/0067)
DECK PATCHING, SCARIFICATION & LATEX OVERLAY
PROPOSED ELASTOMERIC BEARINGS
BRIDGE JOINT REPAIRS
BRIDGE SIDEWALK REPAIRS
STEEL BRIDGE RAIL RETROFIT




FULL SIZE PLANS HAVE BEEN PREPARED USING STANDARD ENGINEERING SCALES. REDUCED SIZED PLANS WILL NOT CONFORM TO STANDARD SCALES, IN MAKING MEASUREMENTS ON REDUCED PLANS, THE ABOVE SCALES MAY BE USED.

J.U.L.I.E.
JOINT UTILITY LOCATION INFORMATION FOR EXCAVATION
1-800-892-0123

IMPROVEMENT LIMITS
BRIDGE REPAIRS ONLY
STA. 362+94 TO STA 432+05

LAYOUT SCALE: 1" = 0.45 MILE

CONTRACT NO. 82263

JOLIET AND NEW LENOX TOWNSHIPS

GROSS AND NET LENGTH OF IMPROVEMENT = 22,999.67 FT. = 4.356 MI.

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

SUBMITTED August 19 19 98
DISTRICT ENGINEER
19
ENGINEER OF PROJECT DEVELOPMENT AND IMPLEMENTATION
October 2 19 98
ENGINEER OF DESIGN AND ENVIRONMENT
October 2 19 98
DIRECTOR, DIVISION OF HIGHWAYS

PRINTED BY AUTHORITY OF THE STATE OF ILLINOIS

PLAN PREPARATION ENGINEER: T. HOLTZ / J. POLLASTRINI (847) 705-4240

Wed Aug 19 08:55:45 1998
c:\projects\d122593\micsdetails.m32 LV=1-63

| FAI RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO |
|---|---|---|---|---|
| 80 | * | WILL | 160 | 2 |
| STA. | | TO STA. | | |
| FED. ROAD DIST. NO. | ILLINOIS | FED. AID PROJECT | | |

*99-4-IRS-3 & 99-4-IVB-1

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| 7-12 | TYPICAL SECTIONS |
| 13-34 | SUGGESTED STAGING AND TRAFFIC CONTROL |
| 35 | CROSSOVER PLAN |
| 36-48 | ROADWAY PLAN |
| 49-65 | DRAINAGE & UTILITIES |
| 66-79 | PAVEMENT MARKING & LANDSCAPING |
| 80-81 | CROSSOVER PLAN TEMPORARY LIGHTING |
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| 108 | I-80 OVER SOUTHBOUND MEADOW AVE |
| 109 | I-80 OVER SOUTHBOUND CENTER ST TO EASTBOUND I-80 |
| 110-113 | I-80 OVER DES PLAINES RIVER |
| 114 | I-80 OVER IL53 |
| 115 | I-80 OVER ATSF & GMO RR & GARDNER ST |
| 116 | I-80 OVER HICKORY CREEK |
| 117 | I-80 OVER RICHARDS ST |
| 118-119 | I-80 RAMP OVER SOUTHBOUND CENTER ST |
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| 121-122 | I-80 HICKORY CREEK TO US30 DETAILS |
| 123 | CONCRETE COLLAR DETAILS |
| 124 | PAVED DITCH REMOVAL & REPLACEMENT, EXPANSION JOINT REHABILITATION, TEMPORARY SIGNING |
| 125 | CONSTRUCTION OF LUG SYSTEM |
| 126 | TEMPORARY INFORMATION SIGNING |
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| 128 | DETAILS FOR FRAME & LID ADJUSTMENT WITH MILLING |
| 129 | PAVEMENT PATCHING FOR BITUMINOUS SURFACED PAVEMENT (CLASS A OR B) |
| 130 | PAVEMENT PATCHING FOR BITUMINOUS SURFACED PAVEMENT |
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| 132 | BUTT JOINTS & BITUMINOUS TAPER DETAIL |
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| 135 | PAVEMENT RELIEF JOINT |
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| 149-150 | I-80 MEDIAN AT CHERRY HILL CROSS SECTION |
| 151-152 | I-80 MEDIAN AT GOUGAR CROSS SECTION |
| 152A-152B | I-80 MEDIAN CROSS SECTION AT ATTENTUATOR LOCATION STA 658+00 |
| 153-154 | I-80 MEDIAN AT ROCK EXCAVATION LOCATION |
| 155-157 | I-80 MEDIAN AT CROSSOVER WEST OF ROWELL AVE |
| 158-160 | I-80 MEDIAN AT CROSSOVER EAST OF ROWELL AVE |
| *95 | DELETED |

## STATE STANDARDS

| STANDARD NO | DESCRIPTION |
|---|---|
| 000001-02 | STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS |
| 280001-01 | TEMPORARY EROSION CONTROL SYSTEMS |
| 420001-01 | PAVEMENT JOINT |
| 420401-01 | BRIDGE APPROACH PAVEMENT |
| 421201-01 | 7.2M CONTINOUSLY REINFORCED PCC PAVEMENT WITH LUG SYSTEM |
| 424001-01 | CURB RAMPS ACCESIBLE TO THE DISABLED |
| 442001-01 | CLASS A PATCHES |
| 442101-01 | CLASS B PATCHES |
| 482011-01 | BITUMINOUS SHOULDER STRIPS/SHOULDERS WITH RESURFACING OR WIDENING & RESURFACING |
| 482101 | RUMBLE STRIP FOR PCC OR BITUMINOUS SHOULDER |
| 542601 | REINFORCED CONCRETE PIPE ELBOW |
| 542606 | REINFORCED CONCRETE PIPE TEE |
| 601001 | SUB-SURFACE DRAINS |
| 601101 | CONCRETE HEADWALL FOR PIPE DRAINS |
| 602001 | CATCH BASIN, TYPE A |
| 604086 | FRAME & GRATE, TYPE 23 |
| 604091 | FRAME & GRATE, TYPE 24 |
| 606001-01 | CONCRETE CURB & COMBINATION CONCRETE CURB & GUTTER |
| 606401 | PAVED DITCH, TYPE A & B |
| 630001-01 | STEEL PLATE BEAM GUARD RAIL |
| 630201-01 | PCC/BIT STABILIZATION AT STEEL PLATE BEAM GUARD RAIL |
| 631011-01 | TRAFFIC BARRIER TERMINAL, TYPE 2 |
| 631026-01 | TRAFFIC BARRIER TERMINAL, TYPE 5 & 5A |
| 631031-01 | TRAFFIC BARRIER TERMINAL, TYPE 6 |
| 635001 | DELINEATORS |
| 701101 | OFF-ROAD OPERATIONS, MULTILANE, <15' AWAY, SPEED ≥45 MPH |
| 701106 | OFF-ROAD OPERATIONS, MULTILANE, >15' AWAY, SPEED ≥45 MPH |
| 701411-01 | LANE CLOSURE, MULTILANE, AT ENTRANCE OR EXIT RAMP FOR SPEED ≥45 MPH |
| 701416-01 | LANE CLOSURE, MULTILANE, DIV. WITH CROSSOVER & BARRIER FOR SPEED ≥45 MPH |
| 701426 | LANE CLOSURE, MULTILANE, INTERMITTENT OR MOVING OPERATION FOR SPEED ≥45 MPH |
| 702001 | TRAFFIC CONTROL BARRIER |
| 704001 | TEMPORARY CONCRETE BARRIER |
| 720011 | METAL POSTS (SIGNS, MARKERS & DELINEATORS) |
| 814001 | CONCRETE HANDHOLES |
| 846001 | DETECTOR LOOP INSTALLATIONS |
| 846006 | TYPICAL LAYOUT FOR DETECTION LOOPS |

## GENERAL NOTES

BEFORE STARTING ANY EXCAVATION, THE CONTRACTOR SHALL CALL "JULIE" AT 1-800-892-0123 FOR FIELD LOCATIONS OF BURIED ELECTRIC, TELEPHONE AND GAS FACILITIES. (48 HOURS NOTIFICATION IS REQUIRED.)

10 FEET TRANSITIONS SHALL BE USED TO MATCH PROPOSED CURB AND GUTTER AND MEDIAN ITEMS OF WORK TO EXISTING CURBS & GUTTERS AND MEDIANS IN THE FIELD, UNLESS OTHERWISE SHOWN. THE TRANSITIONS SHALL BE PAID FOR AT THE CONTRACT UNIT PRICE FOR THE PROPOSED ITEMS OF WORK SPECIFIED.

THE CONTRACTOR SHALL COORDINATE CONSTRUCTION ACTIVITIES WITH UTILITY COMPANIES.

THE CONTRACTOR WILL NOT BE ALLOWED TO SET UP A YARD OR FIELD OFFICE ON STATE PROPERTY WITHOUT WRITTEN PERMISSION FROM THE DEPARTMENT.

BARRICADES: THE CONTRACTOR SHALL PROVIDE & INSTALL TWO WEIGHTED SAND BAGS ON EACH TYPE I OR TYPE II BARRICADE USED ONE WEIGHTED SANDBAG ACROSS EACH BOTTOM RAIL.

WHEN ARTIFICAL LIGHTING IS USED IN NIGHT OPERATIONS THE CONTRACTOR SHALL EXERCISE THE UTMOST PRECAUTIONS IN PREVENTING ADVERSE VISIBILITY TO THE MOTORING PUBLIC & ADJOINTING RESIDENTIAL AREAS.

USE #8 EPOXY-COATED TIE BARS CONFORMING TO ART 1006.10(B)(2) OF THE STANDARD SPECIFICATIONS FOR LONGITUDINAL CONSTRUCTION JOINT GROUTED-IN-PLACE TIE BAR AS SHOWN ON STATE STANDARD 420001 & FOR TIEING PC CONCRETE WIDENING TO EXISTING CONCRETE PAVEMENT AS SHOWN ON THE PLANS. THE TIE BARS WILL NOT BE PAID FOR SEPARATELY BUT SHALL BE INCLUDED IN THE COST OF THE PAVEMENT ITEMS BEING CONSTRUCTED.

WHEN MILLED PAVEMENT IS OPEN TO TRAFFIC THE MAXIMUM GRADE DIFFERENTIAL BETWEEN PASSES OF THE MILLING MACHINE SHALL NOT EXCEED 1½" WHERE THE SPEED LIMIT IS 45 MPH OR LESS & 1" WHERE THE SPEED LIMIT IS GREATER THAN 45 MPH WITH WRITTEN APPROVAL FROM THE ENGINEER. A MAXIMUM GRADE DIFFERENTIAL OF 3" MAY BE ALLOWED IF THE EDGE OF THE MILLING IS SLOPED A MINIMUM 1:3 (V:H).

BUTT JOINTS WILL BE INSTALLED AT THE ENDS OF ALL RESURFACING (WHERE RESURFACING MEETS EXISTING PAVEMENT), IN ACCORDANCE WITH THE "BUTT JOINT & BITUMINOUS TAPER DETAILS" SHEET INCLUDED IN THE PLANS, UNLESS OTHERWISE SPECIFIED.

STRIP REFLECTIVE CRACK CONTROL TREATMENT SHALL BE INSTALLED IMMEDIATELY IN FRONT OF THE BITUMINOUS SURFACING OPERATION IN SUCH A MANNER SO THAT TRAFFIC WILL NOT DISTURB IT PRIOR TO BEING COVERED BY BITUMINOUS SURFACING. ANY CRACK TREATMENT DISTURBED BY TRAFFIC WILL BE REPLACED AT THE CONTRACTOR'S EXPENSE.

ALL DRAINAGE STRUCTURES CLEANED AS PART OF THE CONTRACT MUST BE CLEANED AT THE COMPLETION OF THE CONTRACT.

| REVISIONS | |
|---|---|
| NAME | DATE |
| | |
| | |
| | |
| | |
| | |
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| | |

Rev.

ILLINOIS DEPARTMENT OF TRANSPORTATION

INDEX OF SHEETS

STATE STANDARDS

GENERAL NOTES

SCALE | DRAWN BY

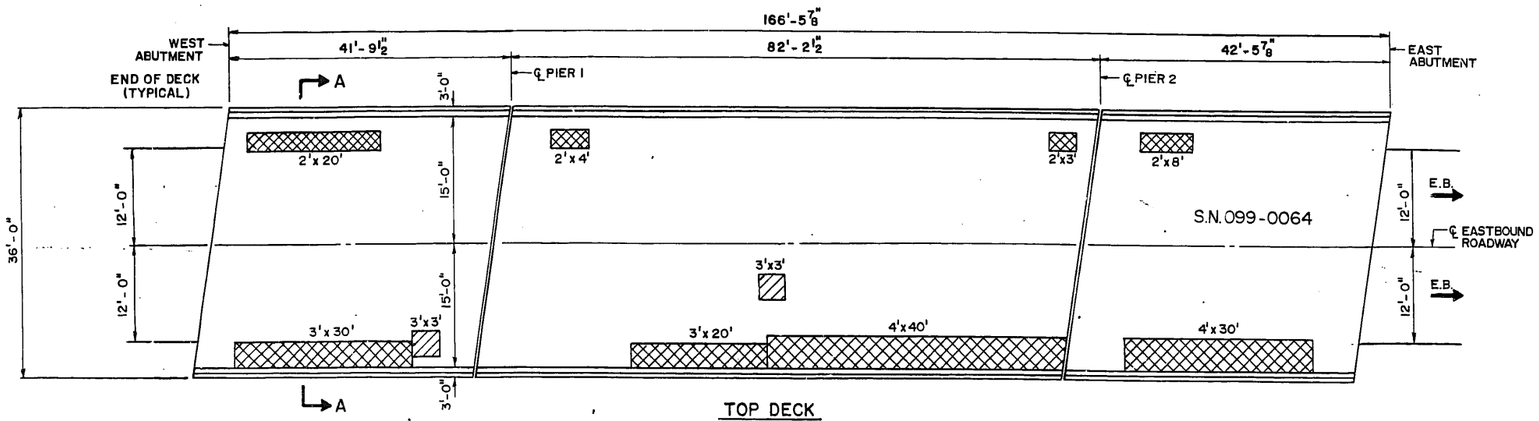
DATE | CHECKED BY

FEC DEV 2 VOLUME 1550
c:\projects\d122593\micsdetails.m32 LV=1-63

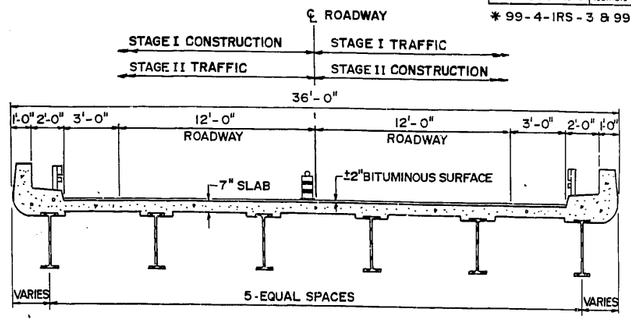
| F.A. RTE | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---|---|---|---|---|
| 80 | * | WILL | 160 | 117 |
| STA. | | TO STA. | | |
| FED. ROAD DIST. NO. 7 | ILLINOIS | FED. A.D. PROJECT | | |

SHEET S1 OF S1

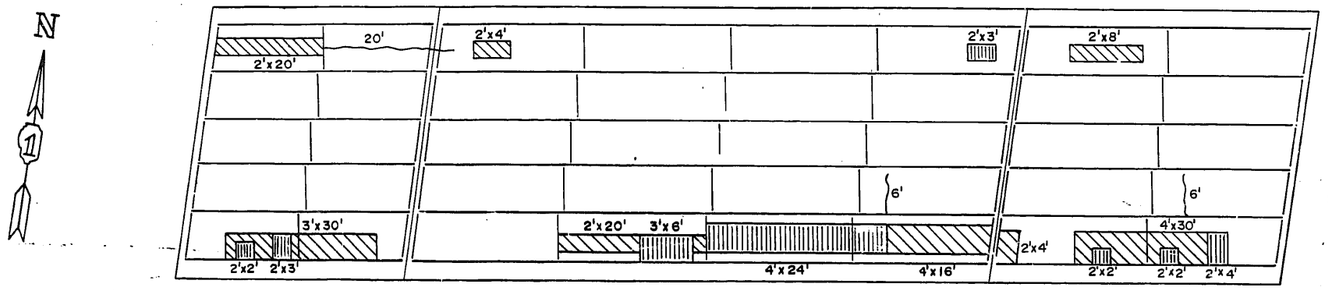
* 99-4-IRS-3 & 99-4-IVB-1



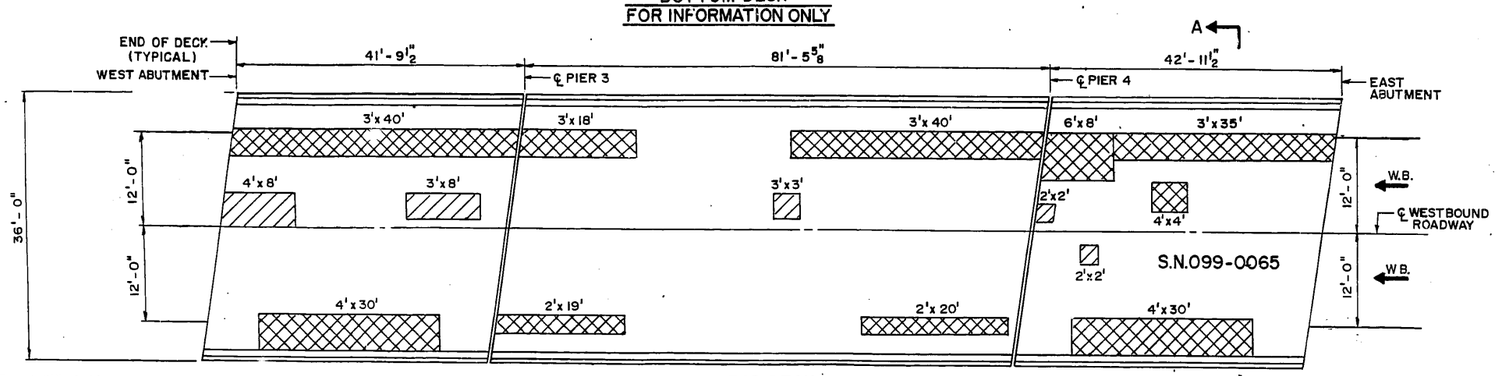

TOP DECK



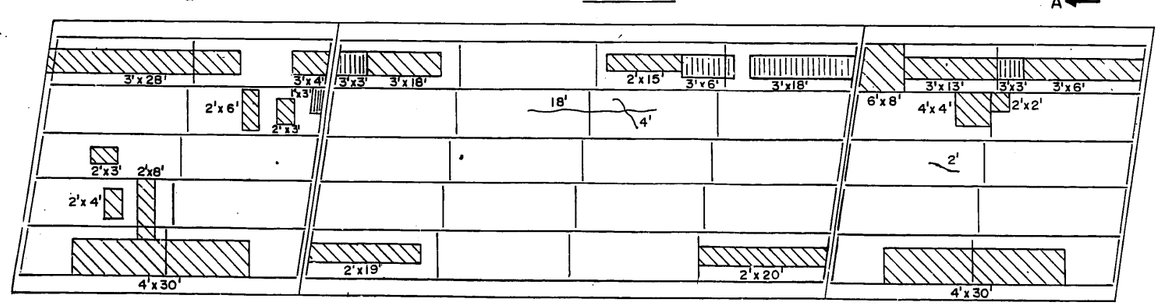

CROSS SECTION A-A



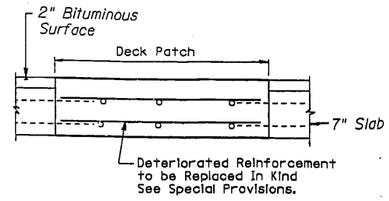

BOTTOM DECK
FOR INFORMATION ONLY




TOP DECK

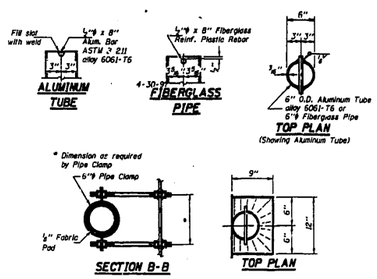



BOTTOM DECK
FOR INFORMATION ONLY




## DECK PATCHING DETAIL

THE FINAL FINISH SURFACE OF THE DECK SLAB REPAIRS SHALL MATCH THE LINE AND GRADE OF THE EXISTING ADJACENT BITUMINOUS SURFACE BOTH LONGITUDINALLY AND TRANSVERSELY.




## GENERAL NOTES:

PLAN DIMENSIONS AND DETAILS RELATIVE TO EXISTING STRUCTURES HAVE BEEN TAKEN FROM EXISTING PLANS AND ARE SUBJECT TO NOMINAL CONSTRUCTION VARIATIONS. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY SUCH DIMENSION AND DETAILS IN THE FIELD AND MAKE NECESSARY APPROVED ADJUSTMENTS PRIOR TO CONSTRUCTION OR ORDERING OF MATERIALS. SUCH VARIATION SHALL NOT BE CAUSE FOR ADDITIONAL COMPENSATION FOR A CHANGE IN THE SCOPE, HOWEVER, THE CONTRACTOR WILL BE PAID FOR THE QUANTITY ACTUALLY FURNISHED AT THE UNIT BID PRICE FOR THE WORK.

THE CONTRACTOR MUST USE EXTREME CARE DURING CONCRETE REMOVAL AS NOT TO NICK, CUT, OR DAMAGE ANY EXISTING REINFORCING TO BE INCORPORATED INTO THE NEW CONSTRUCTION. ANY DAMAGE SHALL BE REPAIRED AT CONTRACTORS EXPENSE

AREAS OF DECK REPAIRS ARE ESTIMATED THE ACTUAL TYPE AND LOCATION OF THE DECK REPAIRS ARE TO BE DETERMINED BY THE ENGINEER DURING CONSTRUCTION.

THE ENGINEER SHALL MARK THE LOCATIONS OF THE REPAIRS ON THE AS-BUILT PLANS.

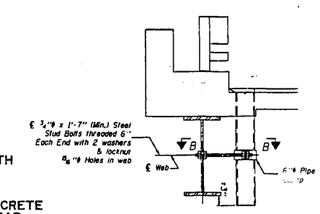
DATE OF SURVEY JANUARY 1998.

## BILL OF MATERIAL

| ITEM | UNIT | QUANTITY |
|---|---|---|
| DECK SLAB REPAIR (FULL DEPTH, TYPE II) | SQ. YDS. | 143 |
| DECK SLAB REPAIR (PARTIAL) | SQ. YDS. | 11 |
| PROTECTIVE SHIELD | SQ. YDS. | 265 |
| FLOOR DRAIN | EACH | 12 |

## LEGEND:

- FULL DEPTH
- PARTIAL DEPTH
- SPALLED CONCRETE EXPOSED REBAR
- SPALLED AREA
- CRACK




FLOOR DRAIN

ENGINEER TO LOCATE WHICH EXIST. DRAINS ARE TO BE REPLACED. COST OF REMOVAL INCL. IN "FLOOR DRAINS".

| REVISIONS | |
|---|---|
| NAME | DATE |
| | |
| | |
| | |
| | |

ILLINOIS DEPARTMENT OF TRANSPORTATION

INTERSTATE ROUTE 80

OVER RICHARD STREET

S.N.099-0064
S.N.099-0065

SCALE: VERT. HORIZ.

DATE FEBRUARY, 1998

DRAWN BY MVT

CHECKED BY TMS

D C B A 0 A B C D

TAMERAN