STATE OF ILLINOIS

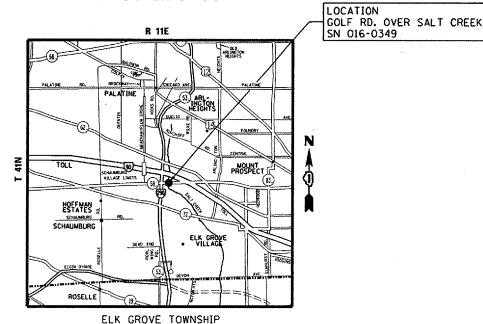
**DEPARTMENT OF TRANSPORTATION** 

**DIVISION OF HIGHWAYS** 

# **PROPOSED** HIGHWAY PLANS

FAP ROUTE 559: IL 58 (GOLF ROAD) **OVER SALT CREEK** SN 016-0349 **SECTION: 582R-1-I-3** PPC DECK BEAM REPLACEMENT **COOK COUNTY** 

C-91-275-06



LOCATION OF SECTION INDICATED THUS:

SECTION

C-91-275-06

582-R-1-I-3

PRINTED BY THE AUTHORITY OF THE STATE OF ILLINOIS

JOINT UTILITY LOCATION INFORMATION FOR EXCAVATION 1-800-892-0123

FOR INDEX OF SHEETS, SEE SHEET NO. 2

IN THE VILLAGE OF ROLLING MEADOWS

THIS IMPROVEMENT IS LOCATED

TRAFFIC DATA:

ADT (2004): 56500 SPEED LIMIT: 40 MPH

CONTRACT NO. 60B12

|         |              | CONTR           | ACT NO.   |              |
|---------|--------------|-----------------|-----------|--------------|
| F.A.P.  | SECTION      | COUNTY          | TOTAL     | SHEET<br>NO. |
| 557     | 582 R-1      | 13 COOK.        |           | .d.          |
| STA.    |              | TO STA.         |           |              |
| FED. RO | AD DIST. NO. | LLINOIS FED. AI | D PROJECT | ſ            |

### INDEX OF SHEETS

- COVER SHEET
- 2. INDEX OF SHEETS, GENERAL NOTES, STATE STANDARDS
- 3. SUMMARY OF QUANTITIES
- 4. TRAFFIC STAGING DETAIL
- 5. 9. BRIDGE PLANS

### STATE STANDARDS

701301-02 LANE CLOSURE, 2L, 2W, SHORT TIME OPERATIONS

701601-04URBAN LANE CLOSURE, MULTILANE,
1W OR 2W WITH NONTRAVERSABLE MEDIAN

701801-03 LANE CLOSURE, MULTILANE 1W OR 2W CROSSWALK OR SIDEWALK CLOSURE

702001-06TRAFFIC CONTROL DEVICES

704001-02TEMPORARY CONCRETE BARRIER

## GENERAL NOTES

BEFORE STARTING ANY EXCAVATION, THE CONTRACTOR SHALL CALL "J.U.L.I.E" AT (800) 892-0123 FOR FIELD LOCATIONS OF BURIED ELECTRIC, TELEPHONE AND GAS UTILITIES. 48 HOUR NOTIFICATION IS REQUIRED.

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

THE DETACHMENT AND REATTACHMENT OF GUARDRAIL TERMINAL SECTIONS SHALL BE INCLUDED IN THE COST OF TRAFFIC CONTROL AND PROTECTION.

ALL DAMAGE TO EXISTING PAVEMENT MARKINGS OR RAISED REFLECTIVE PAVEMENT MARKERS OUTSIDE THE REMOVAL LINE SHOWN ON THE PLANS SHALL BE REPLACED AT THE CONTRACTOR'S EXPENSE.

BEFORE BEGINNING ANY WORK, THE CONTRACTOR SHALL RETAIN AND RECORD FOR FUTURE REFERENCE, ALL EXISTING PAVEMENT MARKING LINES AND RAISED REFLECTIVE PAVEMENT MARKERS IN ORDE THAT THESE LOCATIONS CAN BE RE-ESTABLISHED FOR STRIPING. EXACT LOCATIONS OF ALL PAVEMENT MARKINGS SHALL BE AS DIRECTED BY THE ENGINEER.

IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY ALL DIMENSIONS AND CONDITIONS EXISTING IN THE FIELD PRIOR TO CONSTRUCTION AND ORDERING OF MATERIALS.

THE CONTRACTOR SHALL CONTACT THE DISTRICT ONE TRAFFIC CONTROL SUPERVISOR AT (847) 705-4470 A MINIMUM OF 72 HOURS IN ADVANCE OF BEGINNING WORK.

THESE PLANS HAVE BEEN PREPARED FROM NOTES RECEIVED FROM BRIDGE INSPECTORS.

DO NOT SCALE PLANS FOR CONSTRUCTION DIMENSIONS.

| NT OF TRANSPORTATION            | REVISIONS         |      |      |
|---------------------------------|-------------------|------|------|
| NI OF INMASSIONIATION           | ICCINOIS DEFANTME | DATE | NAME |
| . INDEX OF SHEETS.<br>STANDARDS |                   |      |      |
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| CHECKED BY                      | DATE              |      |      |

CONTRACT: 60812

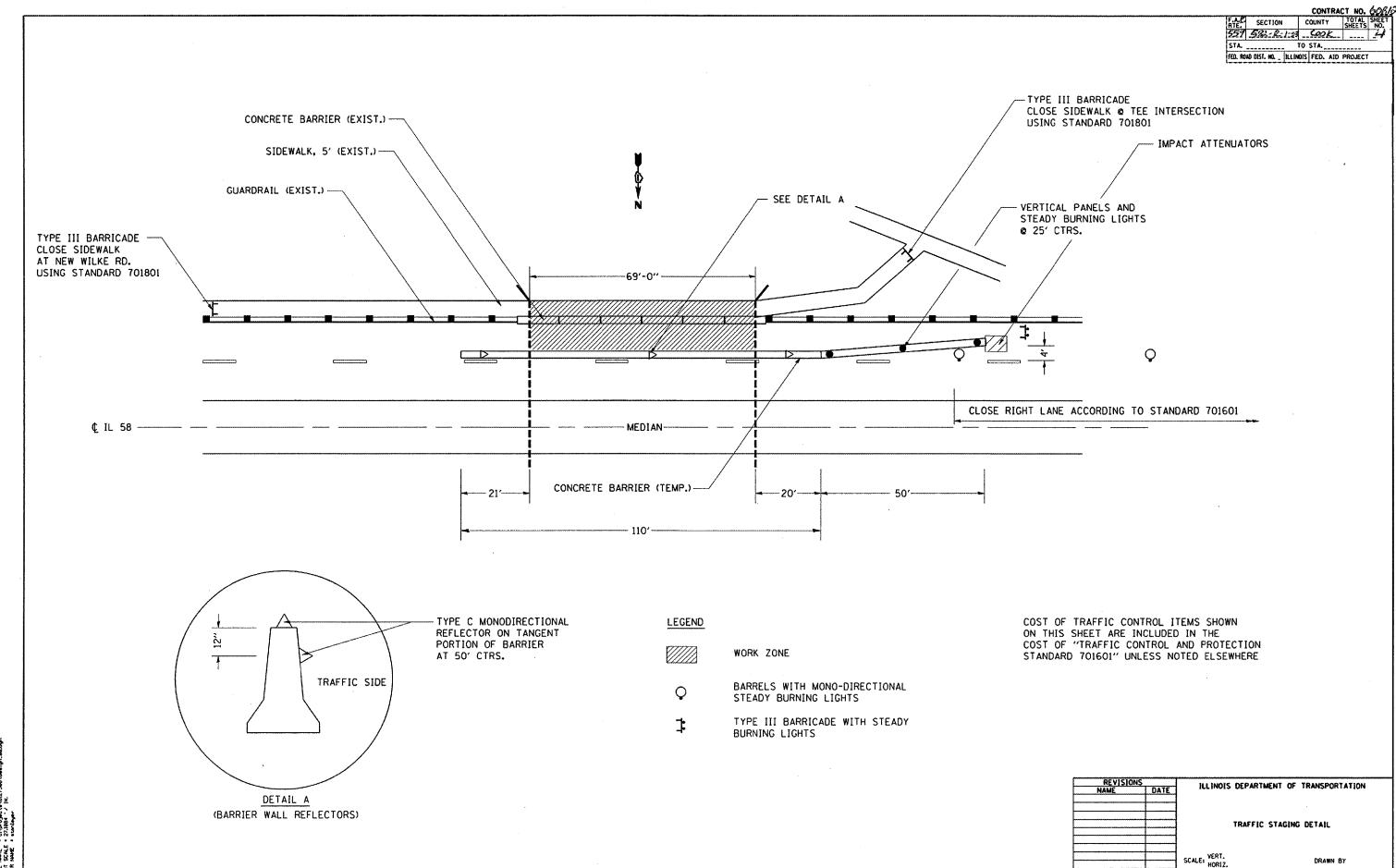
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| RTE. | SECTION          |      | COUNT | Ψ.  | TOTAL<br>SHEETS | SHEET<br>MO. |
| 559  | 582:R:L:1-3      |      | 000   | Ľ.  |                 | 3            |
| FED. | ROAD DIST, NO. 1 | 18 1 | INOIS | HIG | HWAY PRO        | JECT         |

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|          | SUMMARY OF QUANTITIES   |        |                     | CONSTRUCTION TYPE CODE         |    |
|----------|---|--------|---------------------|--------------------------------|----|
| CODE NO  | ITEM  | UNIT   | TOTAL<br>QUANTITIES | URBAN<br>1001.STATE<br>SFTY-2A |    |
| 50102400 | CONCRETE REMOVAL  | CU YD  | 10.6                | 10.6                           |    |
| 50300255 | CONCRETE SUPERSTRUCTURE   | CU YD  | 10.8                | 10.8                           |    |
| 50301200 | CONCRETE WEARING SURFACE  | SO YD  | 108.8               | 108.8                          |    |
| 50400605 | PRECAST PRESTRESSED CONCRETE DECK BEAMS (33" DEPTH)               | SO FT  | 1055                | 1055                           |    |
| 50500405 | FURNISHING AND ERECTING STRUCTURAL STEEL                          | POUND  | 760                 | 760                            |    |
| 50800205 | REINFORCEMENT BARS, EPOXY COATED                                  | POUND  | 3600                | 3600                           |    |
| 67000500 | ENGINEER'S FIELD OFFICE. TYPE B                                   | CAL MO | 4                   | 4                              |    |
| 67100100 | MOBILIZATION  | L SUM  | . 1                 | 1                              |    |
| 70102630 | TRAFFIC CONTROL AND PROTECTION,<br>STANDARD 701601                | L SUM  | 1                   | 1                              |    |
| 70102640 | TRAFFIC CONTROL AND PROTECTION,<br>STANDARD 701801                | L SUM  | 1                   | 1                              |    |
| 70400100 | TEMPORARY CONCRETE BARRIER  | FOOT   | 160                 | 160                            |    |
| X0320047 | REMOVAL OF EXISTING PRECAST PRESTRESSED CONCRETE DECK BEAMS       | SO FT  | 844                 | 844                            |    |
| X0321781 | MECHANICAL SPLICE   | EACH   | 71                  | 71                             |    |
| x0322933 | SILICONE JOINT SEALER, 2.5"                                       | FOOT   | 102                 | 102                            |    |
| x0323076 | SILICONE JOINT SEALER. 1 3/4"                                     | FOOT   | 102                 | 102                            | j. |
| Z0003900 | BICYCLE RAILING   | FOOT   | 70                  | 70                             |    |
| Z0001900 | ASBESTOS BEARING PAD REMOVAL                                      | EACH   | 8                   | 8                              |    |
| Z0030240 | IMPACT ATTENUATORS. TEMPORARY (NON-<br>REDIRECTIVE). TEST LEVEL 2 | EACH   | 1                   | 1                              |    |

OSFTY-3N

| REVISIONS |      | ILLINOIS DEPARTMENT OF TRANSPORTATION |
|-----------|------|---------------------------------------|
| HAME      | DATE | SUMMARY OF QUANTITIES                 |
|           |      |                                       |



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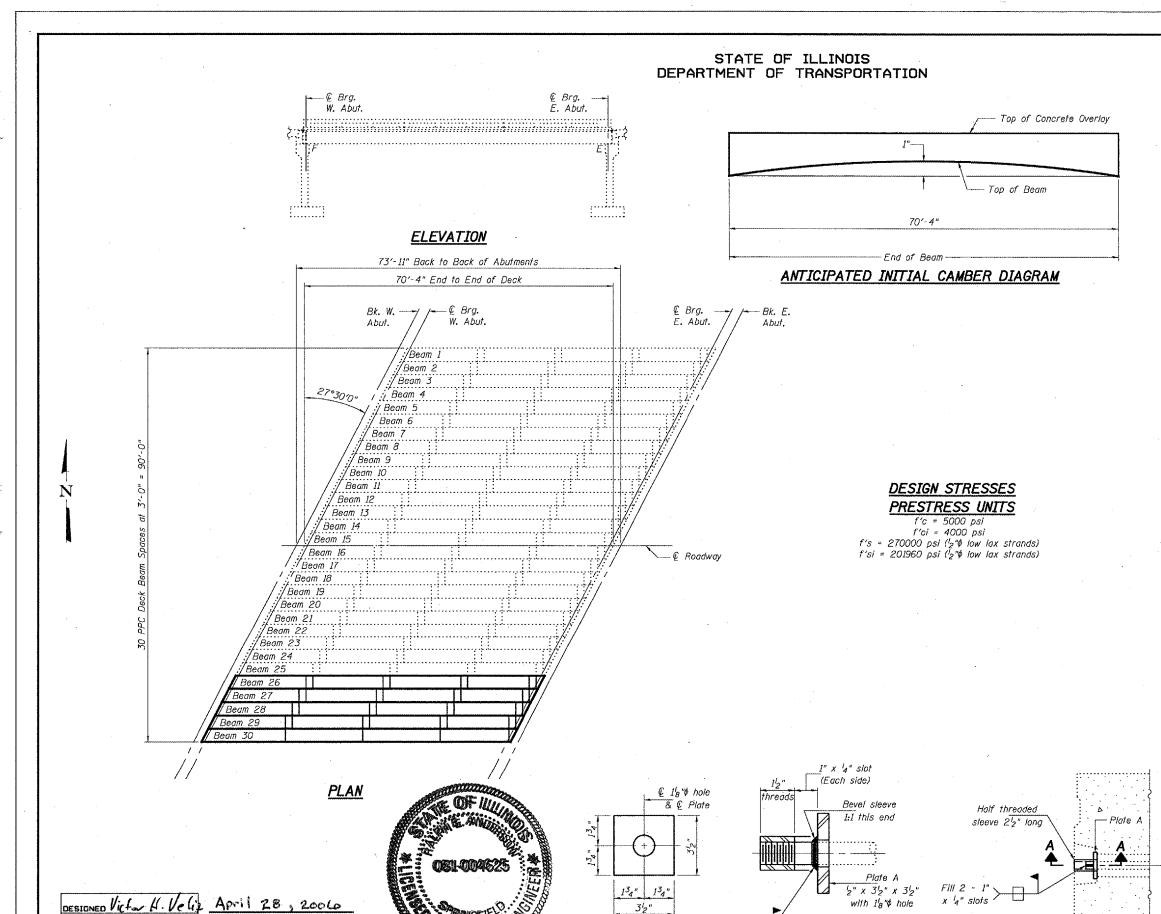


PLATE A (4 Required)

Contract Number: 60812

## GENERAL NOTES

Plan dimensions and details relative to existing structure have been taken from existing plans and are subject to nominal construction variations. It shall be the Contractor's responsibility to verify such dimensions and details in the field and make necessary approved adjustments prior to construction or ordering of materials. Such variations shall not be cause for additional compensation for a change in the scope of the work, however, the Contractor will be paid for the quantity actually furnished at the unit price bid for the work.

Any damage done to the bridge during beam removal shall be repaired by the Contractor. Cost to be included in the cost of "Removal of Existing P.P.C. Deck Beams".

Temporary concrete barrier shall only be anchored into the overlay and not the PPC Deck Beams.

All structural steel shall be shop painted with the inorganic zinc rich primer per AASHTO M300, Type 1. Cost included with Furnishing and Erecting Structural Steel.

All construction joints shall be banded.

The cut strands at each beam end shall be given two coats of zinc dust spray or paint meeting the requirements of ASTM A780. The zinc dust spray or paint shall be applied before corrosion appears and allowed to dry according to the manufacturer's specifications prior to another coal of zinc. A concrete sealer meeting the requirements of Section 587 of the Standard Specifications shall be applied to the exterior face and 9" in on the underside of the fascia beams. The sealer shall be applied after visible crack growth has subsided. This work shall be performed by the producer and included with the cost of the beam.

Existing reinforcement extending into the removal area shall be cleaned, straightened and incorporated into the new construction. Any reinforcement bars that are damaged during concrete removal shall be replaced with an approved bar splicer or anchorage system. Cost shall be included with Concrete Removal.

## TOTAL BILL OF MATERIAL

| - 1 | ITEM                                     | UNIT    | QUANTITY |
|-----|--|---------|----------|
|     | PPC Deck Beams (33" Depth)               | Sg. Ft. | 1055     |
| *   | Removal of Existing PPC Deck Beams       | Sq. Ft. | 844      |
|     | Concrete Wearing Surface                 | Sq. Yd. | 108.8    |
|     | Bicycle Railing                          | Foot    | 70       |
|     | Reinforcement Bars Epoxy Coated          | Pound   | 3600     |
|     | Asbestos Bearing Pad Removal             | Each    | . 8      |
|     | Concrete Superstructure                  | Cu. Yd. | 10.8     |
|     | Silicone Joint Sealer 1 <sup>3</sup> 4"  | Foot    | 102      |
|     | Silicone Joint Sealer 2½"                | Foot    | 102      |
|     | Concrete Removal                         | Cu. Yd. | 10.6     |
|     | Mechanical Splicers                      | Each    | 71       |
|     | Furnishing and Erecting Structural Steel | Pound   | 760      |

\*Existing Beam 30 already removed.

€ Exist.

\_\_\_\_ 1"⊅ tie rod

DETAIL A

Weld Plate A to

exist. 1"\$ tie rod

SECTION A-A

(4 Required)

PLAN AND ELEVATION
F.A.P. RT. 559/339
COOK COUNTY
SN 016-0349

CHECKED VHV AT.H.

EXAMINED John a. Morris

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Expires: November 30, 2006

