04-24-2015 LETTING ITEM 081

STATE OF ILLINOIS

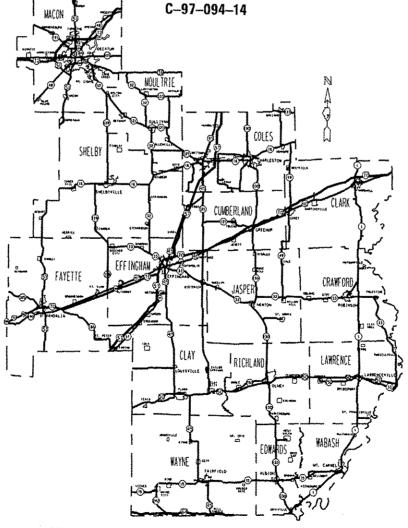
**DEPARTMENT OF TRANSPORTATION** 

**DIVISION OF HIGHWAYS** 

## PROPOSED HIGHWAY PLANS

VARIOUS ROUTES
SECTION D7 GUARDRAIL 2015-1

## TYPE of IMPROVEMENT MAINTENANCE VARIOUS COUNTIES



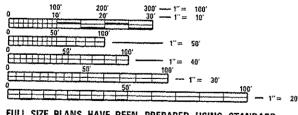
GROSS LENGTH = x.xx FT. = x.xxx MILE

NET LENGTH = x.xx FT. = x.xxx MILE

FOR INDEX OF SHEETS, SEE SHEET NO. 2

0

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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 OR 811

PROJECT ENGINEER ROB MACKLIN
PROJECT MANAGER LYNN McCLELLAN

CONTRACT NO. 74688

RTE. SECTION COUNTY TOTAL SHEET NO.

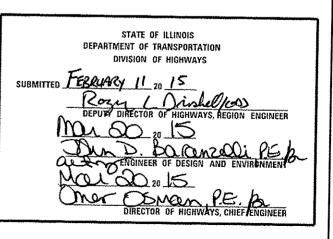
VARIOUS 5 1

ILLIPOIS CONTRACT NO. 74688

-D7 GUARDRAIL 2015

D-97-048-14





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## GENERAL NOTES

THIS PROJECT IS LOCATED ON VARIOUS ROUTES IN VARIOUS COUNTIES ALL LOCATED WITHIN REGION 4-DISTRICT 7. THE WORK INCLUDED IN THIS SECTION CONSISTS OF VARIOUS TYPES OF GUARDRAIL REPAIR AND ALL OTHER WORK NECESSARY TO COMPLETE THIS SECTION.

ALL WORK IS TO BE REPLACED IN KIND OR. AS INDICATED ON THE CONTRACT PLANS OR PROVISIONS.

THE LOCATIONS OF THE REPAIR AREAS WILL BE DETERMINED BY THE ENGINEER.

GUARDRAIL WORK SHALL INCLUDE ALIGNMENT AS NECESSARY TO RESTORE THE RAIL TO THE ORIGINAL CONDITIONS.

REMOVAL OF DAMAGED MATERIALS SHALL INCLUDE DISMANTLING, LOADING, HAULING AND DISPOSAL. THE WORK SITE SHALL BE LEFT IN A SAFE AND ORDERLY CONDITION.

NO MATERIAL SHALL BE LEFT ON OR NEAR THE ROADWAY DURING NON-WORKING HOURS,

ANY NECESSARY TRAFFIC CONTROL SHALL BE PROVIDED BY THE CONTRACTOR; APPROPRIATE STANDARDS ARE LISTED ON SHEET NO. 2.

THE LIMITS OF THE DAMAGED GUARDRAIL WILL BE MARKED WITH PAINT. THE REPLACEMENT PARTS AND THE QUANTITIES INDICATED ARE WITHIN THESE LIMITS AS MARKED.

REMOVED GUARDRAIL THAT IS NOT REPLACED ON THE SAME DAY MUST BE DELINEATED WITH LIGHTED BARRICADES. NO LOCATIONS SHALL BE LEFT WITHOUT EITHER LIGHTED BARRICADES OR RESTORED GUARDRAIL AT ANY TIME.

GUARDRAIL MARKERS SHALL NOT BE ATTACHED TO TERMINAL SECTIONS.

ILLINOIS STATE LAW REQUIRES A 48-HOUR NOTICE TO BE GIVEN TO UTILITIES BEFORE DIGGING. FIELD MARKING OF FACILITIES MAY BE OBTAINED BY CONTACTING J.U.L.I.E. (PH. 800-892-0123) OR FOR NON-MEMBER, THE UTILITY COMPANY DIRECTLY.

ANY WORK ORDER MAY BE CANCELLED AT THE ENGINEER'S DISCRETION.

SELF WEATHERING STEEL ITEMS (CORTEN) WILL BE PAID FOR THE SAME AS REGULAR ITEMS.

NO OVERNIGHT LANE CLOSURES WILL BE ALLOWED.

THE CONTRACTOR IS ADVISED THAT THE GUARDRAIL PAY ITEMS INCLUDED IN THE PLANS MAY BE USED TO REPLACE/REPAIR SPBCR AND TRAFFIC BARRIER TERMINALS FOR THE NEW MIDWEST STANDARD AS SHOWN IN THE HIGHWAY STANDARDS AS WELL AS SPBGR AND TRAFFIC BARRIER TERMINAL INSTALLED PRIOR TO JAN. 1, 2007. NO ADDITIONAL COMPENSATION WILL BE ALLOWED FOR UTILIZING THE CURRENT MIDWEST STANDARDS.

## INDEX OF SHEETS

|            | COVER SHEET  |
|------------|--|
|            | INDEX OF SHEETS AND GENERAL NOTES                                  |
|            | SUMMARY OF QUANTITIES  |
| 5          | DETAIL OF IMPACT ATTENUATORS (NON-DIRECTIVE) TL 3                  |
| THE FOLL   | OWING STANDARDS ARE A PART OF THESE PLANS AND ARE                  |
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| 630106-0   | 1 LONG-SPAN GUARDRAIL OVER CULVERT                                 |
| 630201-0   | 6 PCC/HMA STABILIZATION AT STEEL PLATE BEAM GUARDRAIL              |
| 630301-0   | 6 SHOULDER WIDENING FOR TYPE 1 (SPECIAL) GUARDRAIL TERMINALS       |
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| 631026-0   | 6 TRAFFIC BARRIER TERMINAL, TYPE 5                                 |
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| 665001-0   | 2 WOVEN WIRE FENCE   |
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| 701006-0   | 5 OFF-ROAD OPERATIONS, 2L, 2W, 15' TO 24" FROM PAVEMENT EDGE       |
| 701011-0   | 4 OFF-ROAD MOVING OPERATION, 2L. 2W. DAY ONLY                      |
| 701101-0   | 4 OFF-ROAD OPERATIONS, MULTILANE, 15' TO 24" FROM PAVEMENT EDGE    |
| 701106-0   |  |
| 701201-0   | 4 LANE CLOSURE, 2L, 2W, DAY ONLY, FOR SPEEDS >/= 45 MPH            |
| 701301-0   | 4 LANE CLOSURE, 2L, 2W. SHORT TIME OPERATIONS                      |
| 701400-0   | 8 APPROACH TO LANE CLOSURE, FREEWAY/EXPRESSWAY                     |
| 701406-0   | 9 LANE CLOSURE, FREEWAY/EXPRESSWAY, DAY OPERATIONS ONLY            |
| 701421-0   | 7 LANE CLOSURE, MULTILANE, DAY OPERATIONS ONLY, FOR                |
|            | SPEEDS >/=45 MPH TO 55 MPH   |
| 701501~0   | 6 URBAN LANE CLOSURE, 2L, 2W UNDIVIDED                             |
| 701601-0   | 9 URBAN LANE CLOSURE, MULTILANE, 1W OR 2W WITH NONTRAVERSABLE MEDI |
| 701606-1   | O URBAN SINGLE LANE CLOSURE MULTILANE, 2W WITH MOUNTABLE MEDIAN    |
| 701611     | URBAN HALF ROAD CLOSURE, MULTILANE, 2W WITH MOUNTABLE MEDIAN       |
| 701701-0   | 9 URBAN LANE CLOSURE, MULTILANE INTERSECTION                       |
| 701901-0   | 4 TRAFFIC CONTROL DEVICES  |
| 000001-0   | 6 STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS                     |

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|           | INDEX | OF SHEE  | 5    | RTE.    | SECTION | COUNTY | TOTAL           |            |     |
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|           | GEA   | ERAL NOT | FC   |         |         |        | •               | VARIOUS    | 5   |
| <br>      | ULI   | LINE NO  | LU   |         |         |        |                 | CONTRACT   | NO. |
| <br>SHEET | QF    | SHEETS   | STA. | TO STA. |         |        | ILLINOIS FED. A | ED PROJECT |     |
| <br>      |       |          |      |         | -07     | GUARI  | DRAIL 2015-1    |            |     |

100% STATE

100% STATE CONSTRUCTION TYPE CODE SUMMARY OF QUANTITIES

|          | CUMMADY OF QUANTITIES                                 | T T                                     | CON                                       | STRUCTION TYPE | CODE         | CUMMADY OF QUANTITIES |  |  |  | CONSTRUCTION TYPE CODE |      |              |
|----------|---|---|---|----------------|--------------|-----------------------|--|--|--|------------------------|------|--------------|
| - m. "   | SUMMARY OF QUANTITIES                                 |   | TOTAL                                     | 0021           | 0021         |                       |  | SUMMARY OF QUANTITIES                  | ·····                                  | TOTAL                  | 0021 | 0021         |
| CODE NO  | (TEM  | UNIT                                    | OUANTITIES                                | MCHD           | CONT. MAINT. |                       | CODE NO  | ITEM                                   | UNIT                                   | QUANTITIES             | MCHD | CONT. MAINT. |
| (0100002 | GRADING AND SHAPING SPECIAL                           | SQ YD                                   | 3300                                      | 3000           | 300          | <u> </u>              | 63400105   | GUARD POSTS                            | EACH                                   | 10                     | 10   |              |
|          |   | *************************************** |   |                |              |                       | The state of the s |  |  |                        |      |              |
| 63000025 | STEEL PLATE BEAM GUARDRAIL, ATTACHED TO               | FOOT                                    | 45  | 30             | 15           |                       | 63600105   | CABLE ROAD GUARD, SINGLE STRAND        | FOOT                                   | 100                    | 100  |              |
|          |   |   |   |                |              |                       | 64300260   | IMPACT ATTENUATORS (FULLY REDIRECTIVE, | EACH                                   | 1                      | I    |              |
| 63100045 | TRAFFIC BARRIER TERMINAL, TYPE 2                      | EACH                                    |   | -              |              |                       |  | NARROW), TEST LEVEL 3                  | ************************************** |                        |      |              |
| 63100070 | TRAFFIC BARRIER TERMINAL, TYPE 5                      | EACH                                    | 4-4                                       | 1              |              | -                     | 66500105   | WOVEN WIRE FENCE, 4'                   | FOOT                                   | 1700                   | 1600 | 100          |
| 63100085 | TRAFFIC BARRIER TERMINAL. TYPE 6                      | EACH                                    | 44  | 1              |              |                       | 67100100   | MOBILIZATION                           | L SUM                                  | 1                      | 0.75 | 0.25         |
| 63100087 | TRAFFIC BARRIER TERMINAL, TYPE 6A                     | EACH                                    | 1   | 1              |              | -                     | 78200410   | GUARDRAIL MARKERS, TYPE A              | EACH                                   | 70                     | 60   | 10           |
| 63100089 | TRAFFIC BARRIER TERMINAL, TYPE 68                     | EACH                                    | 2   | 1              | 1            | noah Andrea           | 78201000   | TERMINAL MARKER - DIRECT APPLIED       | EACH                                   | 11                     | 10   | L            |
| 63100167 | TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) TANGENT    | EACH                                    | 22  | 20             | 2            |                       | X6300210   | GUARDRAIL BLOCKS                       | EACH                                   | 325                    | 250  | 75           |
|          |   |   | And a |                |              |                       | X6300215   | RAIL ELEMENT PLATES                    | EACH                                   | 275                    | 270  | 5            |
| 63100169 | TRAFFIC BARRIER TERMINAL, TYPE I (SPECIAL) FLARED     | EACH                                    | 3   | 2              | #E           |                       | x6300217   | RAIL ELEMENT PLATES (RADIUS)           | EACH                                   | 11                     | 10   | 1            |
| 63301210 | REMOVE AND REERECT STEEL PLATE BEAM                   | FOOT                                    | 163                                       | 150            | 13           |                       | V6300220   | EXTRUDER HEAD                          | EACH                                   | 8                      | 7    | ı            |
| 03301210 | GUARDRAIL, TYPE A                                     | , 001                                   | 2   | 130            |              |                       | X6300220   | EATRODER READ                          | LACH                                   | 0                      | *    |              |
|          |   |   | renderators and the second                |                |              |                       | X6300225   | SINGLE END SECTION                     | EACH                                   | 51                     | 50   | 1            |
| 63301215 | REMOVE AND REERECT STEEL PLATE BEAM GUARDRAIL, TYPE B | FOOT                                    | 33  | 20             | 13           |                       | X6300231   | STEEL POST, ATTACHED TO STRUCTURES     | EACH                                   |                        | 10   | -            |
|          |   |   |   |                |              |                       |  |  |  | - *                    |      | -            |
|          |   |   |   | 5              |              |                       | Panal and American   |  |  |                        |      |              |

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| 1 |  | PLOT SCALE * 188.8888 '/ in. | CHECKED -  | REVISED - |  |
| 1 | Default                                  | P: 01 SATE = 2/11/2015       | DATE =     | REVISED - |  |

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

|   | SUMMARY OF QUANTITIES |       |   |    |   |        |      | F,A.<br>RTE, | SECTION | COUNTY                                 | TOTAL<br>SHEETS | SHEET<br>NO. |       |
|---|-----------------------|-------|---|----|---|--------|------|--------------|---------|--|-----------------|--------------|-------|
| 1 |                       |       |   |    |   |        |      |              |         | •                                      | VARIOUS         | 5            | 3     |
|   |                       |       |   |    |   |        | ···· |              | _       | ************************************** | CONTRACT        |              | 74688 |
|   | SCALE;                | SHEET | 1 | OF | 2 | SHEETS | STA. | TO STA.      |         | ILLINOIS FED.                          | ID PROJECT      |              |       |
|   |                       |       |   |    |   |        |      |              | DT GUAR | RDRAIL 2015-1                          |                 |              |       |

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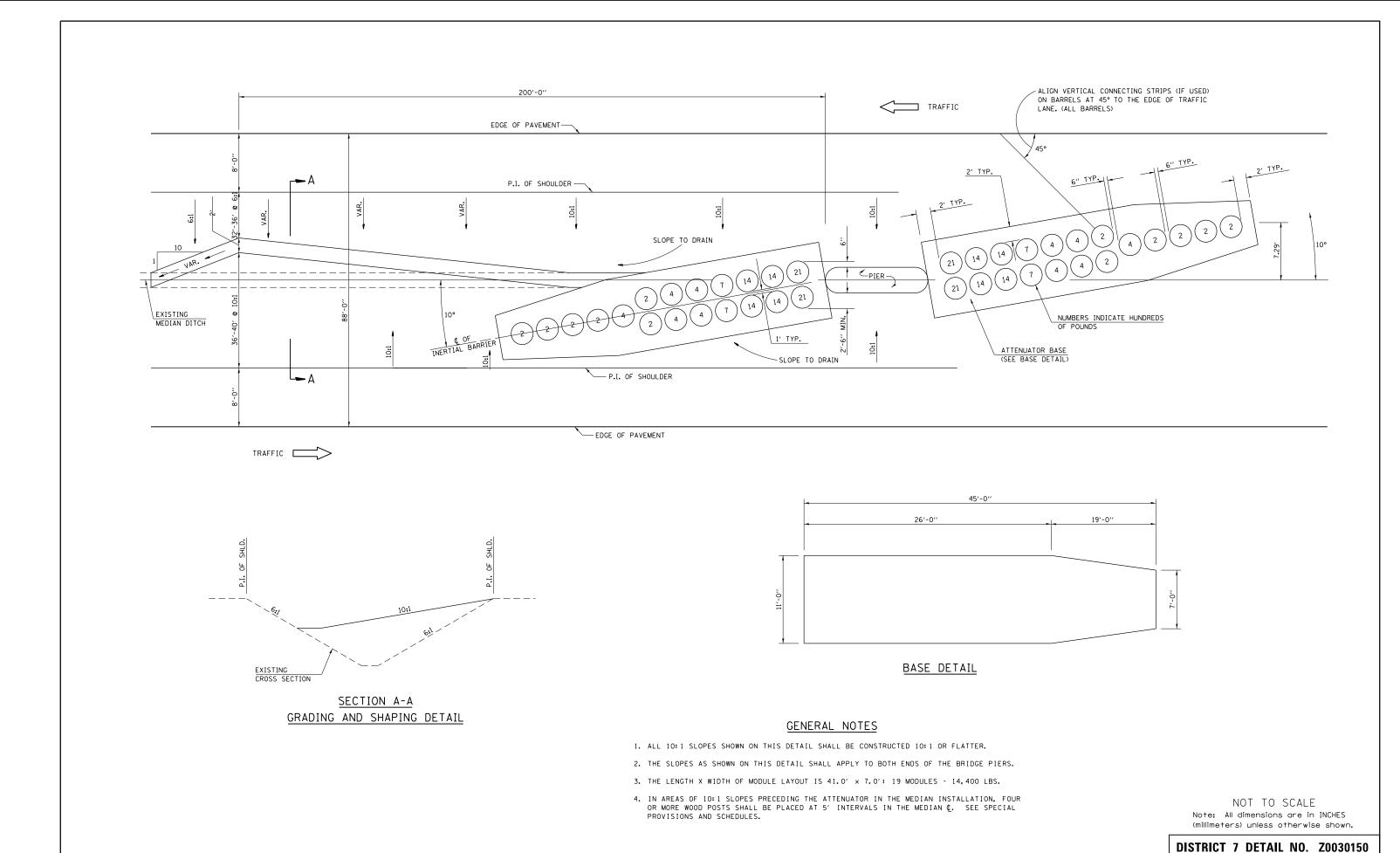
| IMMARY OF QUANTITIES  ITEM  D POSTS  | UN[T  | TOTAL<br>QUANTITIES  | 0021<br>MCHD   | OO21 CONT. MAINT.  | CODE NO  | SUMMARY OF QUANTITIES   | S UNIT                                    | TOTAL OUANTITIES              | 0021<br>MCHD                   | OO21 CONT. MAINT.             |                               |
|--------------------------------------|---|--|--|--|--|---|---|-------------------------------|--------------------------------|-------------------------------|-------------------------------|
|                                      | UN(T  | f  |  |  | CODE NO  | ITFM  | UNIT                                      | 1 1                           |                                |                               |                               |
| D POSTS                              |   |  |  | <del></del>  |  |   |   | ODARTITIES                    |                                | CORT. WATER                   |                               |
|                                      | EACH  | 16   | 15   | The state of the s | Z005241  | REPAIR TRAFFIC BARRIER TERMINAL, TYPE I SPECIAL (TANGENT)   | EACH                                      | 32                            | 30                             | 2                             |                               |
| EL POSTS 6'                          | EACH  | 245  | 200  | 45   |  |   |   |                               |                                |                               |                               |
| EL POSTS 9'                          | EACH  | 38   | 35   | 3  | Z005241  | SPECIAL (FLARED)  | EACH                                      | 2                             | 2                              |                               |                               |
| OVE AND REINSTALL EXTRUDER HEAD      | EACH  | 3  | 2  | 1  | Z005260  | D REPAIR TRAFFIC BARRIER TERMINAL, TYPE 2   | EACH                                      | 1                             | 1                              |                               |                               |
| EL POSTS, SPECIAL                    | EACH  | 6  | 5  | 1  | Z005290  | REPAIR TRAFFIC BARRIER TERMINAL, TYPE 4   | EACH                                      | 4+1                           | 1                              |                               |                               |
| OVE AND REINSTALL IMPACT ATTENUATORS | EACH  | 14   | 10   | 4  | Z005300  | REPAIR TRAFFIC BARRIER TERMINAL, TYPE 5   | EACH                                      | 44                            | 1                              |                               |                               |
| IN LINK FENCE (SPECIAL)              | FOOT  | 180  | 150  | 30   | Z005320  | D REPAIR TRAFFIC BARRIER TERMINAL, TYPE 6   | EACH                                      | 4                             | 3                              | 1                             |                               |
| IN LINK GATES (SPECIAL)              | EACH  | 1  | 1  |  | Z005321  | REPAIR TRAFFIC BARRIER TERMINAL, TYPE 6A  | EACH                                      | ***                           | 1                              |                               |                               |
| IN LINK FENCE POST                   | EACH  | 50   | 50   |  | Z005322  | REPAIR TRAFFIC BARRIER TERMINAL, TYPE 68  | EACH                                      | 1                             | 1                              |                               |                               |
| CRETE STRUCTURE REPAIR               | CU FT   | 4  | 4  |  | Z005966  |   | EACH                                      | 5                             | . 4                            | ±.                            |                               |
| L POST ARRANGEMENT                   | EACH  | 8  | 8  |  | nacida por la suche trada manera la suche tr | SI ECIAL MAIL CLEMENT I CAIL  |   |                               |                                |                               |                               |
|                                      |   |  |  |  | Z007648  | TRAFFIC BARRIER TERMINAL CONNECTOR  | EACH                                      | 2                             | 2                              |                               |                               |
| AIR TRAFFIC BARRIER TERMINAL TYPE 1  | EACH  | 25   | 20   | 5  |  |   |   |                               |                                |                               |                               |
| DVING AND RESETTING POSTS            | EACH  | 13   | 01   | 3  |  |   |   | ·                             |                                |                               |                               |
| OV                                   | VE AND REINSTALL EXTRUDER HEAD  L POSTS, SPECIAL  VE AND REINSTALL IMPACT ATTENUATORS  N LINK FENCE (SPECIAL)  N LINK GATES (SPECIAL)  N LINK FENCE POST  RETE STRUCTURE REPAIR  POST ARRANGEMENT  IR TRAFFIC BARRIER TERMINAL TYPE 1  IAL - POST | VE AND REINSTALL EXTRUDER HEAD  L POSTS, SPECIAL  VE AND REINSTALL IMPACT ATTENUATORS  EACH  N LINK FENCE (SPECIAL)  N LINK GATES (SPECIAL)  EACH  N LINK FENCE POST  EACH  RETE STRUCTURE REPAIR  CU FT  POST ARRANGEMENT  EACH  IR TRAFFIC BARRIER TERMINAL TYPE 1  EACH  IAL - POST | VE AND REINSTALL EXTRUDER HEAD  L POSTS, SPECIAL  EACH  VE AND REINSTALL IMPACT ATTENUATORS  EACH  14  N LINK FENCE (SPECIAL)  N LINK GATES (SPECIAL)  EACH  1  N LINK FENCE POST  EACH  POST ARRANGEMENT  EACH  8  IR TRAFFIC BARRIER TERMINAL TYPE 1  EACH  EACH  25  IAL - POST | VE AND REINSTALL EXTRUDER HEAD  L POSTS, SPECIAL  EACH  G  S  VE AND REINSTALL IMPACT ATTENUATORS  EACH  14  10  N LINK FENCE (SPECIAL)  FOOT  180  150  N LINK GATES (SPECIAL)  EACH  1  1  POST ARRANGEMENT  EACH  EACH  EACH  1  1  1  POST ARRANGEMENT  EACH   | VE AND REINSTALL EXTRUDER HEAD  L POSTS, SPECIAL  EACH  EACH  EACH  EACH  EACH  EACH  I  I  I  I  I  I  I  I  I  I  I  I  I  | L POSTS 9'  EACH 38 35 3  VE AND REINSTALL EXTRUDER HEAD EACH 3 2 1  ZO05260  L POSTS, SPECIAL EACH 6 5 1  ZO05290  VE AND REINSTALL IMPACT ATTENUATORS EACH 14 10 4  ZO05300  N LINK FENCE (SPECIAL) FOOT 180 150 30 ZO05320  N LINK GATES (SPECIAL) EACH 1 1  ZO053210  N LINK FENCE POST EACH 50 50 ZO053220  RETE STRUCTURE REPAIR CU FT 4 4  ZO05966  POST ARRANGEMENT EACH 8 8  ZO076480  IR TRAFFIC BARRIER TERMINAL TYPE 1 EACH 25 20 5 | NE AND REINSTALL EXTRUDER HEAD  EACH  2 1 | POSTS 9"   EACH   38   35   3 | NE AND REINSTALL EXTRUDER HEAD | POSTS 9'   EACH   38   35   3 | POSTS 9'   EACH   38   35   3 |

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| 1 | Qofault                                  | PLOT DATE = 2/11/2015        | DATE -     | REVISED - |  |

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

|        | SUMMARY OF QUANTITIES F. |   |    |   |        |      |         | F.A.<br>RTÉ. | SECTION                                 | COUNTY      | TOTA | L SHEET<br>S NO. |
|--------|--------------------------|---|----|---|--------|------|---------|--------------|---|-------------|------|------------------|
|        |                          |   |    |   |        |      |         |              | •                                       | VARIOUS     | 5    | 4                |
|        | ·                        |   |    |   |        |      |         |              | *************************************** | CONTRACT    | NO.  | 74688            |
| SCALE: | SHEET                    | 2 | OF | 2 | SHEETS | STA. | TO STA. |              | ILLINOIS FED.                           | ATO PROJECT |      |                  |
|        |                          |   |    |   |        |      |         | *DI GUARDR   | AIL 2015-1                              |             |      |                  |



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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

| SCALE: | SHEET NO. | OF | SHEETS | STA. | TO STA. | SECTION | COUNTY | OF | SHEETS | STA. | TO STA. | ILLINOIS FED. AID PROJECT | SHEETS | SHEETS | SHEETS | SHEETS | STA. | TO STA. | ILLINOIS FED. AID PROJECT | SHEETS | SHEETS | SHEETS | SHEETS | SHEETS | SHEETS | STA. | SECTION | COUNTY | OF | SHEETS | STA. | TO STA. | ILLINOIS FED. AID PROJECT | SHEETS | STA. | SHEETS | S

•D7 GUARDRAIL 2015-1