

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

PLANS FOR PROPOSED
FEDERAL AID HIGHWAY

| | | | | |
|---------------------|----------------|------------------|--------------|-----------|
| F.A.U. RTE. | SECTION NO. | COUNTY | TOTAL SHEETS | SHEET NO. |
| 2860 | 05-00022-00-SW | COOK | 8 | 1 |
| STA. | TO STA. | | | |
| FED. ROAD DIST. NO. | ILLINOIS | FED. AID PROJECT | | |

CONTRACT NO. 83967

INDEX OF SHEETS

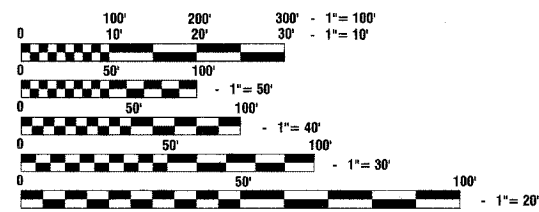
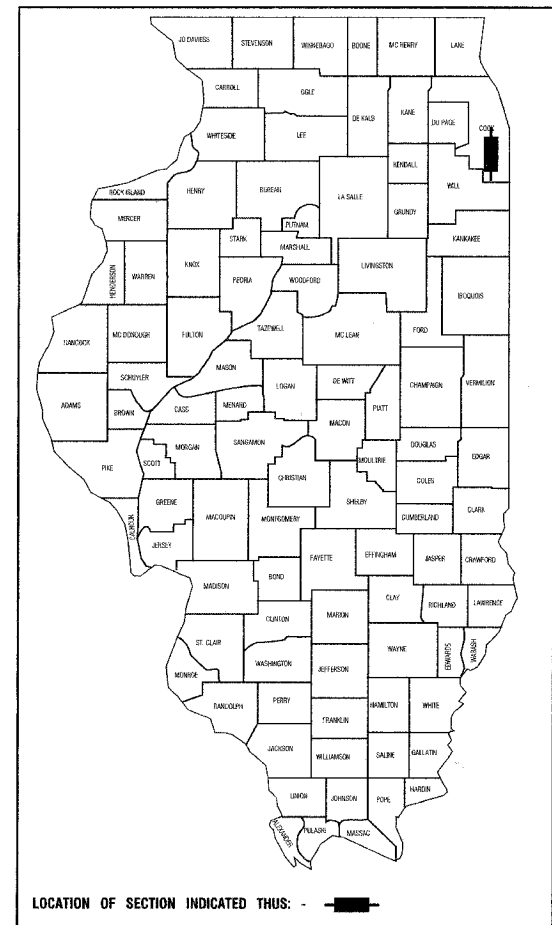
- COVER SHEET
- SUMMARY OF QUANTITIES, GENERAL NOTES & TYPICAL CROSS SECTIONS
- 5. PLAN SHEETS
- 7. TRAFFIC SIGNALS
- DISTRICT 1 TYPICAL PAVEMENT MARKINGS

STATE STANDARDS

- 000001-04 STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
- 280001-03 TEMPORARY EROSION CONTROL SYSTEMS
- 424001-04 CURB RAMPS FOR SIDEWALKS
- 606001-03 CONCRETE CURB TYPE B AND COMBINATION CURB AND GUTTER
- 701006-02 OFF-ROAD OPERATIONS, 2L, 2W, 4.5m(15') TO 600mm(24") FROM PAVEMENT EDGE
- 701201-02 LANE CLOSURE, 2L, 2W, DAY ONLY, FOR SPEEDS ≥ 45 MPH
- 701801-03 LANE CLOSURE, MULTI LANE 1W OR 2W CROSSWALK OR SIDEWALK CLOSURE
- 702001-06 TRAFFIC CONTROL DEVICES

SCALES
 PLAN - 1"=20'
 PROFILE HORIZ. - 1"=50'
 PROFILE VERT. - 1"=5'
 CROSS SECTIONS - 1"=10'

F.A.U. ROUTE 2860
 ASHLAND AVENUE SIDEWALK IMPROVEMENT
 175TH STREET TO 172ND STREET
 PROJECT NO.: CMM-8003(558)
 SECTION NO.: 05-00022-00-SW
 VILLAGE OF EAST HAZEL CREST
 COOK COUNTY
 C-91-134-06



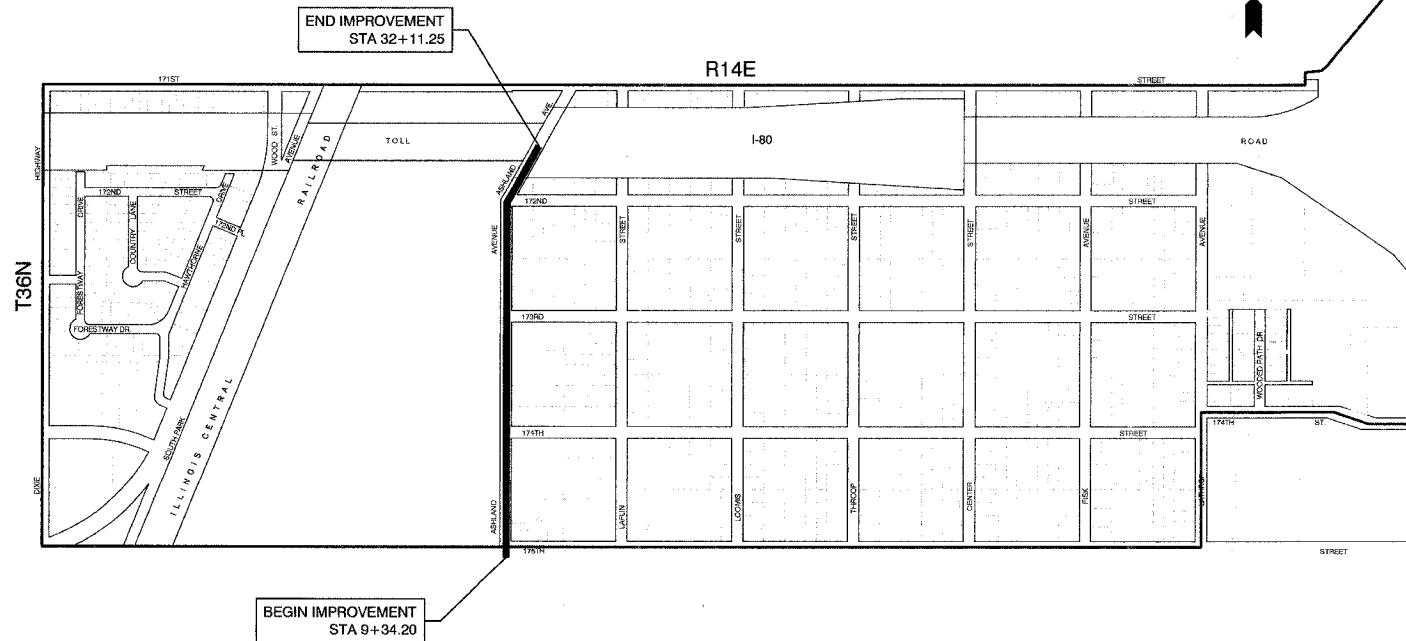
FULL SIZE PLANS HAVE BEEN PREPARED USING STANDARD ENGINEERING SCALES, REDUCED SIZED PLANS WILL NOT CONFORM TO STANDARD SCALES, IN MAKING MEASUREMENTS ON REDUCED PLANS, THE ABOVE SCALES MAY BE USED.

JOINT UTILITY LOCATING INFORMATION FOR EXCAVATORS

CALL J.U.L.I.E. TOLL FREE
 1-800-892-0723

48 hours before you dig
 (EXCLUDING SAT., SUN. & HOL.)

Call



LOCATION MAP-N.T.S.

GROSS LENGTH=2,277 FEET=0.431 MILES
 NET LENGTH=2,277 FEET=0.431 MILES

DESIGN DESIGNATION COLLECTOR

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION
 DIVISION OF HIGHWAYS

APPROVED: *July 25, 2007*
 ADMINISTRATOR: *[Signature]* VILLAGE OF EAST HAZEL CREST

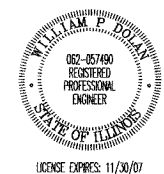
PASSED: *SEPTEMBER 13, 2007*
 REGION ONE ENGINEER OF LOCAL ROADS & STREETS: *[Signature]*

RELEASED FOR BID BASED ON LIMITED REVIEW: *Sept. 14, 2007*
 DEPUTY DIRECTOR OF HIGHWAYS, REGION ONE ENGINEER: *[Signature]*

PRINTED BY AUTHORITY OF THE STATE OF ILLINOIS

PREPARED BY OR UNDER THE DIRECT SUPERVISION OF:

[Signature]
 7-25-07



ASSOCIATE FIELD ENGINEER: KEVIN STALLWORTH (847)705-4169
 CONSULTANTS: ROBINSON ENGINEERING, LTD. 708-331-6700

CONTRACT NO. 83967

| | | | | |
|---------------------|----------------|------------------|--------------|-----------|
| F.A.U. NO. | SECTION NO. | COUNTY | TOTAL SHEETS | SHEET NO. |
| 2860 | 05-00022-00-SW | COOK | 8 | 2 |
| STA. | TO STA. | | | |
| FED. ROAD DIST. NO. | ILLINOIS | FED. AID PROJECT | | |

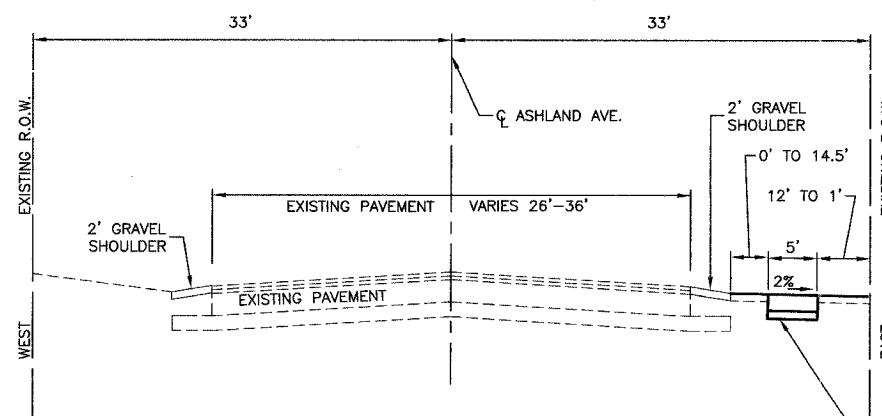
CONTRACT NO. 83967

| S.I. CODE NO. | PAY ITEM | UNIT | QUAN | SIDEWALKS | MARKINGS | LANDSCAPE | SIGNALS |
|---------------|---|-------|------|------------------------|----------|-----------|---------|
| | | | | CONSTRUCTION TYPE CODE | | | |
| | | | | SFTY-1B | SFTY-1D | Y003 | Y031-1F |
| 20100210 | TREE REMOVAL (OVER 15 UNITS DIAMETER) | UNIT | 90 | 90 | | | |
| 20200100 | EARTH EXCAVATION | CU YD | 285 | 285 | | | |
| 21101615 | TOPSOIL FURNISH AND PLACE, 4" | SQ YD | 2175 | | | 2175 | |
| 25000210 | SEEDING, CLASS 2A | ACRE | 0.5 | | | 0.5 | |
| 25000400 | NITROGEN FERTILIZER NUTRIENT | POUND | 45 | | | 45 | |
| 25000500 | PHOSPHORUS FERTILIZER NUTRIENT | POUND | 45 | | | 45 | |
| 25000600 | POTASSIUM FERTILIZER NUTRIENT | POUND | 45 | | | 45 | |
| 25100630 | EROSION CONTROL BLANKET | SQ YD | 2175 | 2175 | | | |
| 31101200 | SUB-BASE GRANULAR MATERIAL, TYPE B 4" | SQ YD | 1140 | 1140 | | | |
| 42400200 | PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH | SQ FT | 8950 | 8950 | | | |
| 42400400 | PORTLAND CEMENT CONCRETE SIDEWALK 7 INCH | SQ FT | 1305 | 1305 | | | |
| 42400800 | DETECTABLE WARNINGS | SQ FT | 64 | 64 | | | |
| 44000200 | DRIVEWAY PAVEMENT REMOVAL | SQ YD | 145 | 145 | | | |
| 63200310 | GUARDRAIL REMOVAL | FOOT | 40 | 40 | | | |
| 67100100 | MOBILIZATION | L SUM | 1 | 1 | | | |
| 70100450 | TRAFFIC CONTROL AND PROTECTION, STANDARD 701201 | L SUM | 1 | 1 | | | |
| 70102640 | TRAFFIC CONTROL AND PROTECTION, STANDARD 701801 | L SUM | 1 | 1 | | | |
| * 78000400 | THERMOPLASTIC PAVEMENT MARKING - LINE 6" | FOOT | 466 | | 466 | | |
| * 78000650 | THERMOPLASTIC PAVEMENT MARKING - LINE 24" | FOOT | 22 | | 22 | | |
| 78300100 | PAVEMENT MARKING REMOVAL | SQ FT | 50 | | 50 | | |
| * 85000200 | MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION | EACH | 1 | | | | 1 |
| * 87301215 | ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C | FOOT | 219 | | | | 219 |
| * 87301225 | ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C | FOOT | 238 | | | | 238 |
| * 88102710 | PEDESTRIAN SIGNAL HEAD, L.E.D., 1 FACE, BRACKET MOUNTED | EACH | 2 | | | | 2 |
| * 88800100 | PEDESTRIAN PUSH-BUTTON | EACH | 2 | | | | 2 |
| XX003560 | CURB AND GUTTER REMOVAL AND REPLACEMENT | FOOT | 25 | 25 | | | |

* - INDICATES SPECIALTY ITEMS

GENERAL NOTES

- ANY REFERENCE TO STANDARDS THROUGHOUT THE PLANS OR SPECIAL PROVISIONS SHALL BE INTERPRETED TO BE THE LATEST STANDARDS OF THE ILLINOIS DEPARTMENT OF TRANSPORTATION.
- ITEMS OF WORK LISTED IN THE SUMMARY OF QUANTITIES WHICH ARE NOT SPECIFICALLY INDICATED IN THE PLANS SHALL BE PERFORMED AT LOCATIONS AS DIRECTED BY THE ENGINEER.
- WHEN, IN THE CONSTRUCTION OPERATION, ANY LOOSE MATERIAL IS DEPOSITED IN THE FLOW LINE OF DITCHES, GUTTERS OR OTHER DRAINAGE STRUCTURES SO THAT THE NATURAL FLOW OF WATER IS OBSTRUCTED, IT SHALL BE REMOVED AT THE CLOSE OF EACH DAY BY THE CONTRACTOR AT HIS EXPENSE. AT THE CONCLUSION OF THE CONSTRUCTION OPERATIONS, ALL DRAINAGE STRUCTURES SHALL BE FREE FROM ALL DIRT AND DEBRIS. THIS WORK SHALL NOT BE PAID FOR SEPARATELY BUT SHALL BE CONSIDERED INCIDENTAL TO THE CONTRACT.
- THE APPROXIMATE LOCATION OF KNOWN PUBLIC UTILITIES ARE SHOWN ON THE PLANS. HOWEVER, THE DEPARTMENT DOES NOT GUARANTEE ITS ACCURACY. PRIOR TO COMMENCING OPERATIONS ON THE PROJECT WHICH MAY IN ANY WAY CREATE THE POSSIBILITY OF INVOLVEMENT WITH EXISTING UTILITIES, THE CONTRACTOR SHALL CONTACT THE UTILITY COMPANY INVOLVED. ADJUSTMENT OF ALL PUBLIC UTILITIES WITHIN THE LIMITS OF THIS IMPROVEMENT WILL BE DONE BY THE RESPECTIVE OWNERS. NO ADDITIONAL COMPENSATION WILL BE ALLOWED DUE TO DELAYS OR INCONVENIENCE CAUSED BY THESE ADJUSTMENTS. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY LOCATIONS OF UNDERGROUND INSTALLATION BEFORE STARTING CONSTRUCTION OPERATIONS. PLANS FOR THESE ADJUSTMENTS WILL BE ON FILE IN THE OFFICE OF THE COOK COUNTY HIGHWAY DEPARTMENT, BUREAU OF CONSTRUCTION FOR INFORMATION AND USE.
- BEFORE STARTING ANY EXCAVATION, THE CONTRACTOR SHALL CALL "JULIE" AT 800-892-0123 FOR FIELD LOCATIONS OF BURIED ELECTRIC, TELEPHONE AND GAS FACILITIES. (48 HOURS NOTIFICATION IS REQUIRED).
- THE CONTRACTOR SHALL COORDINATE CONSTRUCTION ACTIVITIES WITH UTILITY COMPANIES.
- THE CONTRACTOR SHALL CONTACT THE DISTRICT ONE TRAFFIC CONTROL SUPERVISOR AT (847) 705-4150 A MINIMUM OF 5 WORKING DAYS IN ADVANCE OF BEGINNING WORK. THE CONTRACTOR SHALL ALSO CONTACT ROBINSON ENGINEERING (708) 331-6700, AND THE VILLAGE OF EAST HAZEL CREST (708) 957-7360 A MINIMUM OF 72 HOURS IN ADVANCE OF BEGINNING WORK.
- ALL PAVEMENT, CURB AND SIDEWALK REMOVALS SHALL BE MADE BY MEANS OF STRAIGHT SAW CUT JOINT. THE COST FOR SAW CUTTING SHALL BE INCIDENTAL TO THE CONTRACT.
- CONTRACTOR SHALL BE RESPONSIBLE AT ALL TIMES FOR TRAFFIC CONTROL AND PROTECTION IN ACCORDANCE WITH THE IDOT STANDARD SPECIFICATIONS ADOPTED JANUARY 1, 2007, THE LATEST EDITION OF THE ILLINOIS MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAYS, AND THE STANDARD SPECIFICATIONS FOR TRAFFIC CONTROL ITEMS.



EARTHWORK QUANTITIES

| | |
|-------------------|--------|
| TOTAL FILL | 0 CY |
| TOTAL CUT | 285 CY |
| TOTAL CUT TO FILL | 0 CY |

TYPICAL CROSS SECTION
STA. 9+34.20 TO STA. 32+11.25

NOTE: RESTORATION SHALL BE LIMITED FROM E.O.P. TO EXISTING R.O.W. UNLESS OTHERWISE APPROVED BY THE ENGINEER.

PROP. P.C.C. SIDEWALK, 5"
SUB-BASE GRANULAR MATERIAL, TYPE B, 4"

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

ILLINOIS DEPARTMENT OF TRANSPORTATION

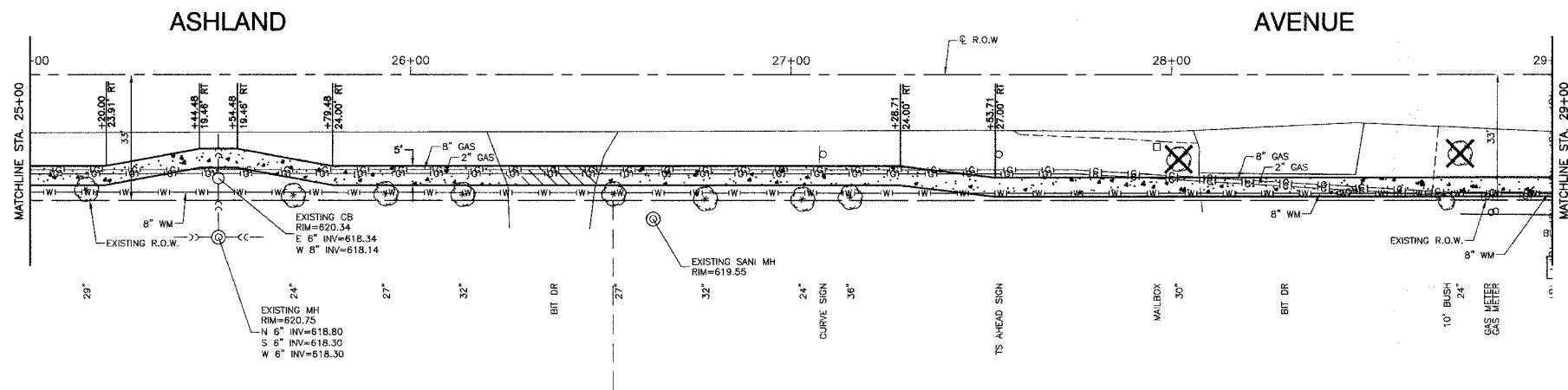
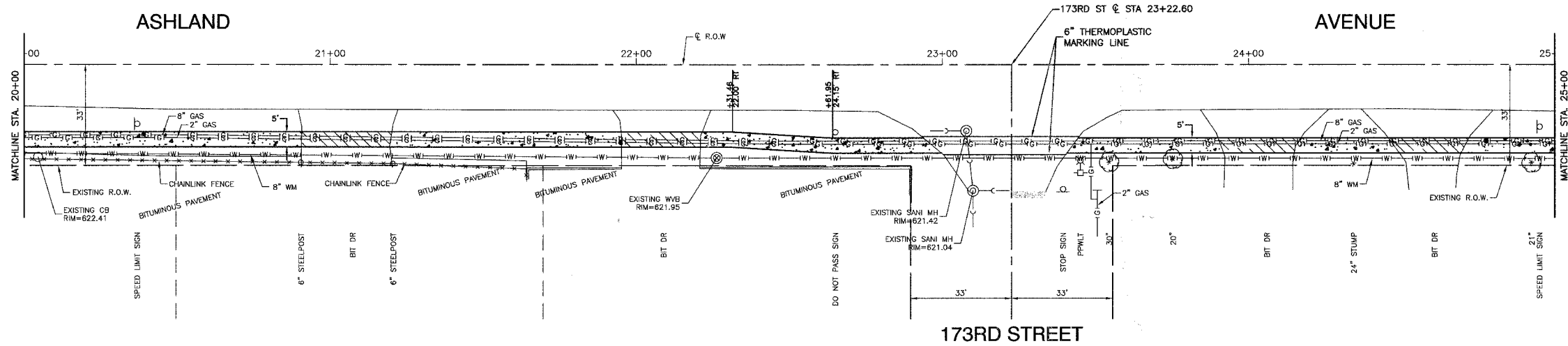
**ASHLAND AVENUE
SIDEWALK IMPROVEMENT
SUMMARY OF QUANTITIES,
GENERAL NOTES, & TYPICAL SECTION**

SCALE: VERT. NA
HORIZ. NA
DATE 07-27-07





DRAWN BY JZ
CHECKED BY WPD

| | | | | |
|---------------------|----------------|------------------|--------------|-----------|
| FILE NO. | SECTION NO. | COUNTY | TOTAL SHEETS | SHEET NO. |
| 2860 | 05-00022-00-SW | COOK | 8 | 4 |
| STA. 20+00 | TO STA. 29+00 | | | |
| FED. ROAD DIST. NO. | ILLINOIS | FED. AID PROJECT | | |

CONTRACT NO. 83967



LEGEND

-  DRIVEWAY PAVEMENT REMOVAL TO BE REPLACED WITH PCC SIDEWALK, 7"
-  PROPOSED PCC SIDEWALK, 5" SUB-BASE GRANULAR MATERIAL TYPE B, 4"
-  COMBINATION CURB & GUTTER REMOVAL AND REPLACEMENT
-  TREE REMOVAL

BENCH MARK:

SPIKE NAIL SET IN WEST FACE OF PP WITH LIGHT AT NE CORNER ASHLAND AVENUE AND 174TH STREET. ELEVATION = 624.01

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

ILLINOIS DEPARTMENT OF TRANSPORTATION

**ASHLAND AVENUE
SIDEWALK IMPROVEMENT
PLAN SHEET**

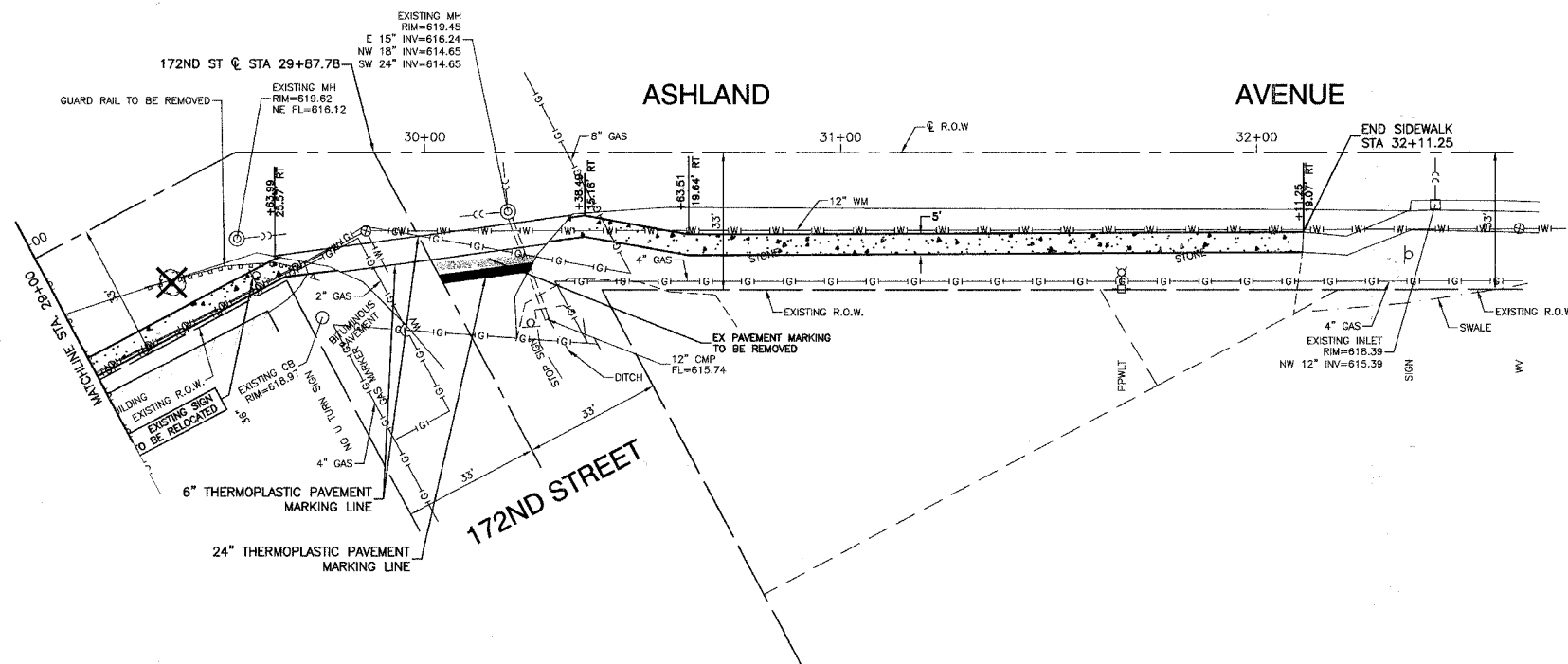
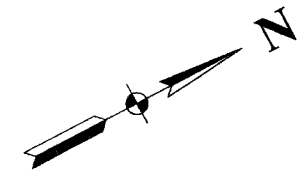
SCALE: VERT. NA
HORIZ. 1"=20'

DATE 07-27-07



DRAWN BY JZ
CHECKED BY WPD

| | | | | |
|---------------------|-------------------------|------------------|--------------|-----------|
| F.A.U. NO. | SECTION NO. | COUNTY | TOTAL SHEETS | SHEET NO. |
| 2860 | 05-00022-00-SW | COOK | 8 | 5 |
| STA. 29+00 | TO STA. END IMPROVEMENT | | | |
| FED. ROAD DIST. NO. | ILLINOIS | FED. AID PROJECT | | |

CONTRACT NO. 83967



LEGEND

-  DRIVEWAY PAVEMENT REMOVAL TO BE REPLACED WITH PCC SIDEWALK, 7"
-  PROPOSED PCC SIDEWALK, 5\"/>

BENCH MARK:

SPIKE NAIL SET IN WEST FACE OF PP WITH LIGHT AT NE CORNER ASHLAND AVENUE AND 174TH STREET. ELEVATION = 624.01

ILLINOIS DEPARTMENT OF TRANSPORTATION

**ASHLAND AVENUE
SIDEWALK IMPROVEMENT
PLAN SHEET**

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

SCALE: VERT. NA
HORIZ. 1"=20'
DATE 07-27-07

DRAWN BY JZ
CHECKED BY WPD

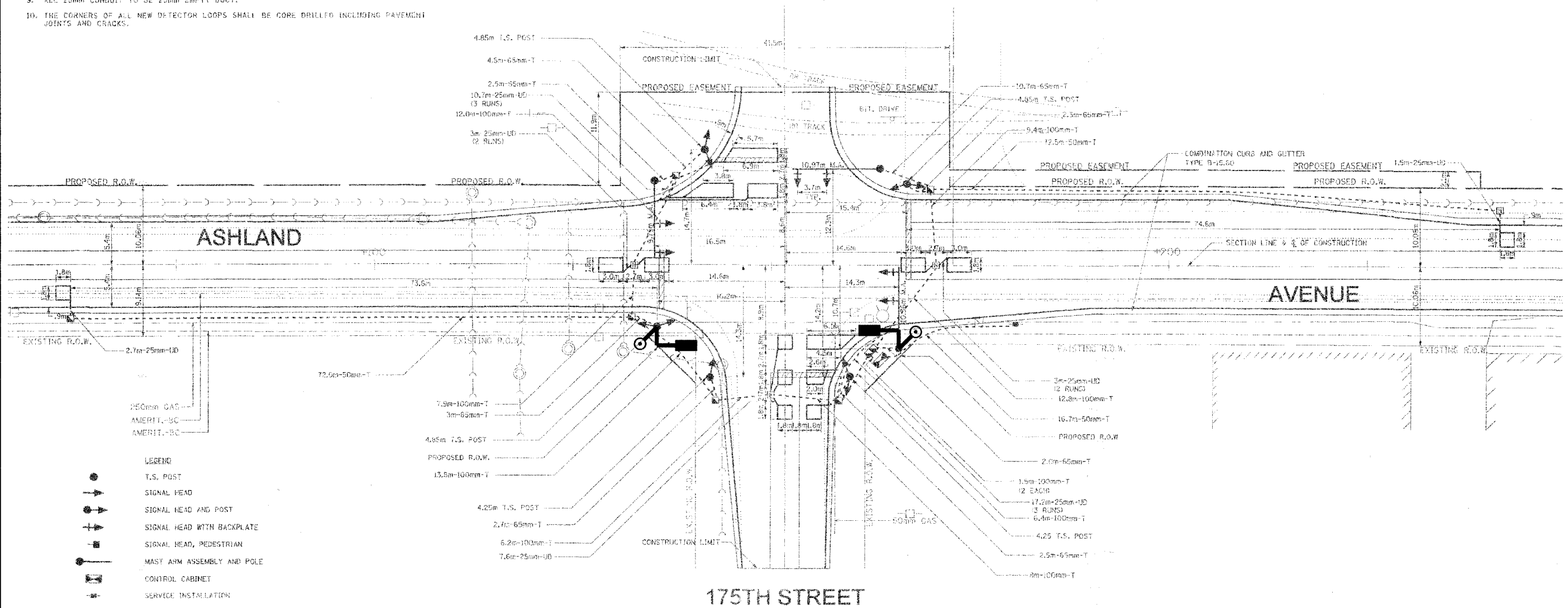
| | | | | |
|---------------------|----------------|------------------|--------------|-----------|
| FED. DIST. NO. | SECTION NO. | COUNTY | TOTAL SHEETS | SHEET NO. |
| | 05-00022-00-SW | COOK | 8 | 6 |
| STA. | TO STA. | | | |
| FED. ROAD DIST. NO. | ILLINOIS | FED. AID PROJECT | | |

CONTRACT NO. 83967

- NOTES:**
1. THE EXACT LOCATIONS OF ALL UTILITIES SHALL BE FIELD VERIFIED BY THE CONTRACTOR BEFORE THE INSTALLATION OF ANY COMPONENTS OF THE TRAFFIC SIGNAL SYSTEM. FOR EXACT LOCATIONS OF THE UTILITIES, CALL C.U.I.L.E. TOLL FREE AT (800) 892-0123.
 2. VEHICLE LOOP DETECTOR SHALL BE COMPATIBLE WITH THE CONTROL EQUIPMENT AND CONDUITS.
 3. ALL ELECTRICAL CABLE SHALL HAVE POLYVINYL JACKET.
 4. THE CONTRACTOR SHALL INFORM THE CCHD DESIGN ENGINEER AT (312) 603-1730 PRIOR TO THE START OF 2-Y WORK ON THE CONTRACT. A MINIMUM OF FIVE (5) WORKING DAYS ADVANCE NOTICE IS REQUIRED.
 5. THE CONTRACTOR SHALL MARK THE LOCATIONS OF ALL DETECTOR LOOPS AND CONTACT THE CCHD DESIGN ENGINEER AT (312) 603-1730 FOR LOCATION APPROVAL PRIOR TO THE CUTTING OF THE LOOPS. A MINIMUM OF FIVE (5) WORKING DAYS ADVANCE NOTICE IS REQUIRED.
 6. ALL SIGNAL POSTS SHALL BE SET BACK 1.2 METER (4 FEET) MINIMUM AND ALL MAST ARM POLES SHALL BE SET BACK 1.8 METER (6 FEET) MINIMUM FROM THEIR CENTERLINE TO THE BACK OF CURB UNLESS OTHERWISE NOTED. IN NON-CURBED AREAS THE MAST ARM POLE AND SIGNAL POST SHALL BE LOCATED A MINIMUM OF 3.0 METER (10 FEET) BEHIND THE EDGE OF PAVEMENT OR 0.6 METER (2 FEET) BEHIND THE EDGE OF SHOULDER, WHICHEVER DISTANCE IS GREATER.
 7. CONDUIT UNDER ROADWAYS AND DRIVEWAYS TO BE PLACED IN TRENCH BEFORE PAVEMENT IS PLACED.
 8. ALL MAST ARM MOUNTED SIGNAL HEADS ARE TO BE ATTACHED 0.6 METER (2 FEET) FROM THE END OF THE MAST ARM UNLESS OTHERWISE NOTED.
 9. ALL 25mm CONDUIT TO BE 25mm EMPTY DUCT.
 10. THE CORNERS OF ALL NEW DETECTOR LOOPS SHALL BE CORE DRILLED INCLUDING PAVEMENT JOINTS AND CRACKS.



**IC RAILROAD
ENTRANCE**



- LEGEND**
- T.S. POST
 - SIGNAL HEAD
 - SIGNAL HEAD AND POST
 - SIGNAL HEAD WITH BACKPLATE
 - SIGNAL HEAD, PEDESTRIAN
 - MAST ARM ASSEMBLY AND POLE
 - CONTROL CABINET
 - SERVICE INSTALLATION
 - HANDHOLE:
 - HEAVY DUTY HANDHOLE
 - DOUBLE HANDHOLE
 - VEHICLE LOOP DETECTOR
 - GALVANIZED STEEL CONDUIT

NOTE:
THE CONTRACTOR SHALL MARK THE LOCATIONS OF ALL DETECTOR LOOPS AND CONTACT THE CCHD DESIGN ENGINEER AT (312) 603-1730 FOR LOCATION APPROVAL PRIOR TO THE CUTTING OF THE LOOPS. A MINIMUM OF FIVE (5) WORKING DAYS ADVANCE NOTICE IS REQUIRED.

- IN TRENCH
- SIZE OF CONDUIT
- LENGTH OF CONDUIT
- PUSHED

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

ILLINOIS DEPARTMENT OF TRANSPORTATION

**ASHLAND AVENUE
SIDEWALK IMPROVEMENT
TRAFFIC SIGNALS**

SCALE: VERT. NA
HORIZ. NA
DATE: 07-27-07

DRAWN BY: JZ/RG
CHECKED BY: WPD

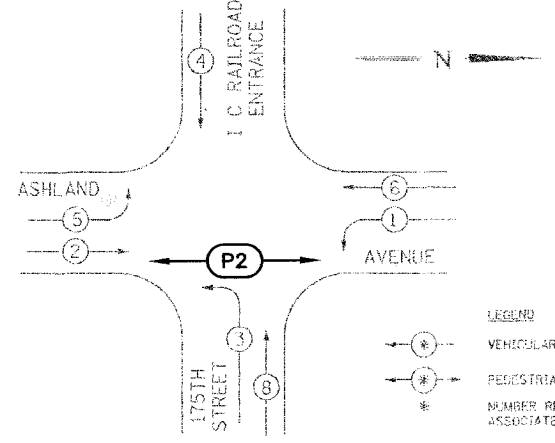
| | | | | |
|---------------------|----------------|------------------|--------------|-----------|
| F.A.L. NO. | SECTION NO. | COUNTY | TOTAL SHEETS | SHEET NO. |
| 2860 | 05-00022-00-SW | COOK | 8 | 7 |
| STA. | | TO STA. | | |
| FED. ROAD DIST. NO. | MILES | FED. AID PROJECT | | |

CONTRACT NO. 83967

CABLE PLAN LEGEND

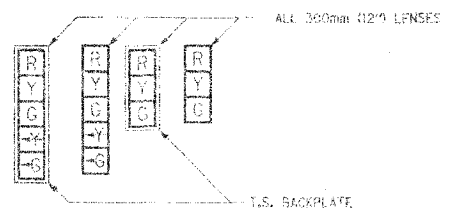
| | PROPOSED | EXISTING |
|--|----------|----------|
| CONTROLLER CABINET | | |
| SERVICE INSTALLATION | | |
| 300mm TRAFFIC SIGNAL SECTION (LED) | | |
| DENOTES NUMBER OF CONDUCTORS ALL CABLE NO. 14 EXCEPT AS INDICATED. ALL LOOP DETECTOR CABLE TO BE TWISTED AND SHIELDED. | | |
| VEHICLE DETECTOR, INDUCTION LOOP | | |
| SHIELDED & TWISTED | | |
| EMERGENCY VEHICLE LIGHT DETECTOR | | |
| CONFIRMATION BEACON | | |
| OPTICOM CABLE | | |
| 300mm PEDESTRIAN SIGNAL HEAD | | |
| PUSHBUTTON DETECTOR | | |
| GROUND ROD AT HANDHOLE (H), DOUBLE HANDHOLE (D), OR CONTROLLER (C). | | |
| GROUND ROD AT POST (P), OR MAST ARM POLE (MA). | | |
| GROUND ROD AT ELECTRIC SERVICE INSTALLATION | | |

CONTROLLER SEQUENCE

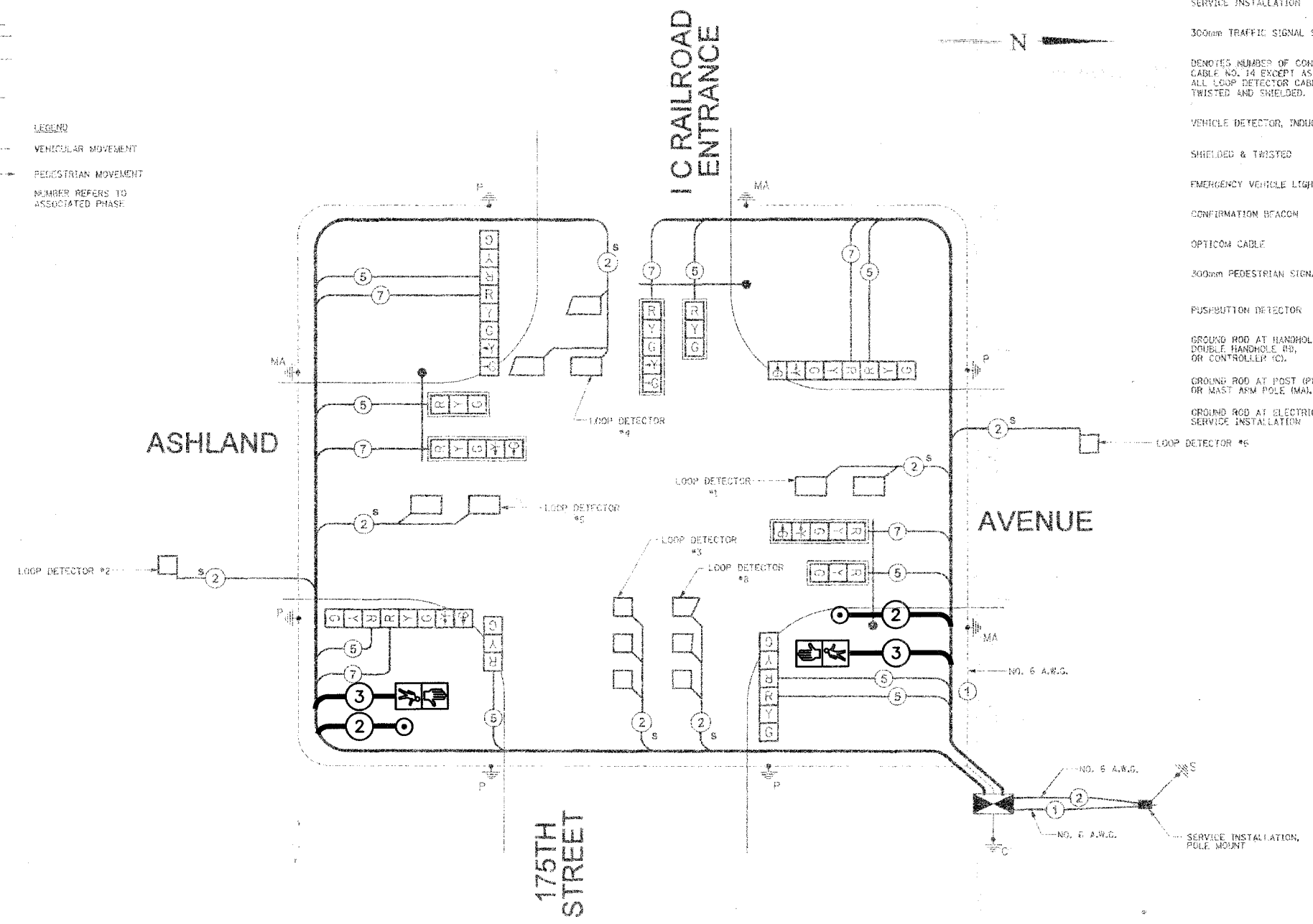


PHASE DESIGNATION DIAGRAM
DUAL ENTRY - ALL LEGS
PROTECTED / PERMITTED LEFT TURN PHASING

SIGNAL FACES



- SIGNAL LENSES
- R RED
 - Y YELLOW
 - G GREEN
 - Y+ YELLOW TURN INDICATOR
 - G+ GREEN TURN INDICATOR



CABLE PLAN
NOT TO SCALE

- NOTE:
- THIS IS A SYSTEM GROUND THAT SHALL INTERCONNECT ALL GROUND RODS WITH NO. 6 10 COPPER AWG.
 - THE NEUTRAL AND GROUND SHALL BE TIED AT THE SERVICE INSTALLATION BUT SEPARATE AT THE TRAFFIC CABINET.

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

ILLINOIS DEPARTMENT OF TRANSPORTATION

**ASHLAND AVENUE
SIDEWALK IMPROVEMENT
TRAFFIC SIGNALS**

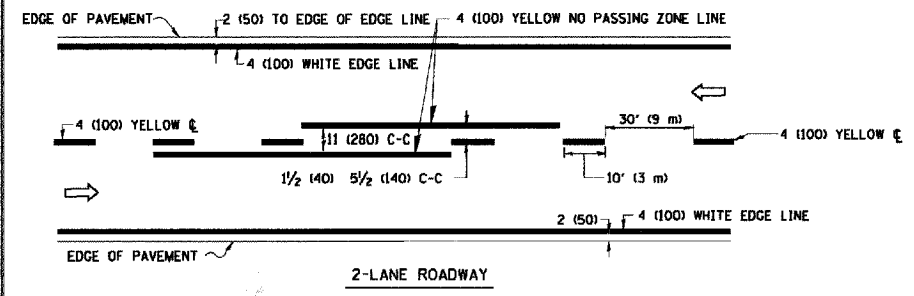
SCALE: VERT. NA
HORIZ. NA
DATE 07-27-07

DRAWN BY JZ/RG
CHECKED BY WPD

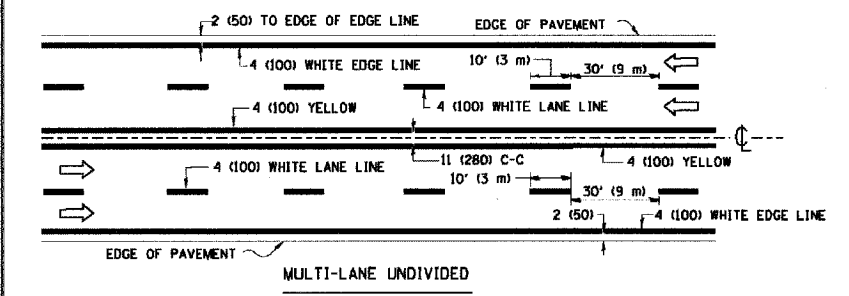
ROBINSON ENGINEERING, LTD.
1700 SOUTH PARK AVENUE, SOUTH HAVEN, ILLINOIS 60476
(708) 351-6700 FAX (708) 351-6828
ILLINOIS DESIGN FIRM REGISTRATION NO. 154001-02

04205-SIGNAL-01

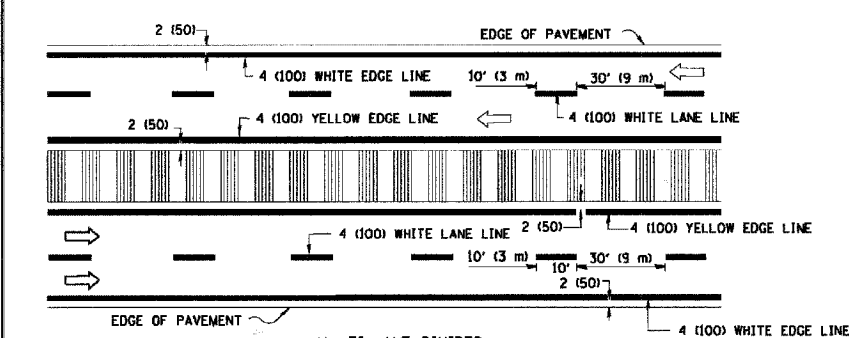
CONTRACT NO. 83967



2-LANE ROADWAY



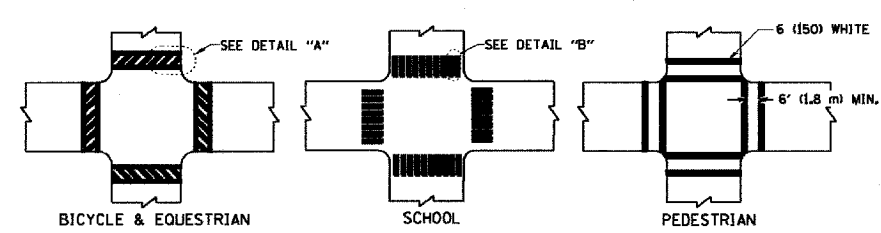
MULTI-LANE UNDIVIDED



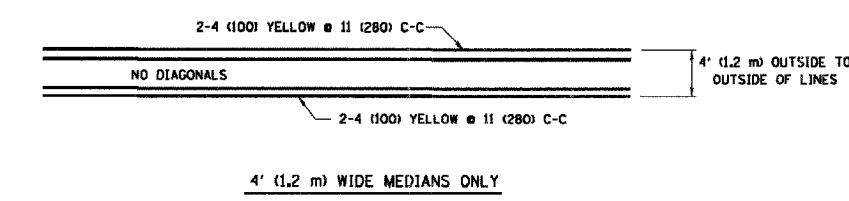
MULTI-LANE DIVIDED WITH MOUNTABLE MEDIAN

NOTE: MEDIANS WITH BARRIER CURB DO NOT REQUIRE AN EDGE LINE

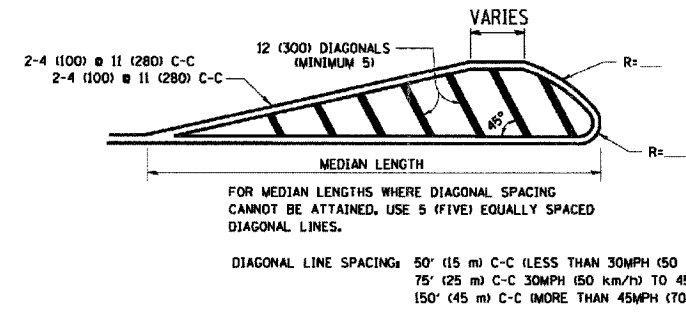
TYPICAL LANE AND EDGE LINE MARKING



TYPICAL CROSSWALK MARKING

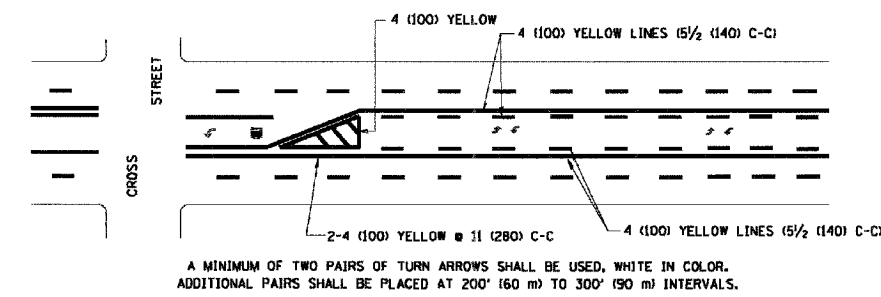


4' (1.2 m) WIDE MEDIANS ONLY

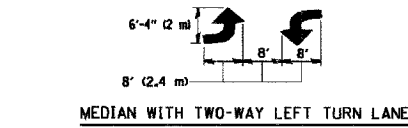


DIAGONAL LINE SPACING: 50' (15 m) C-C (LESS THAN 30MPH (50 km/h))
75' (25 m) C-C 30MPH (50 km/h) TO 45MPH (70 km/h)
150' (45 m) C-C (MORE THAN 45MPH (70 km/h))

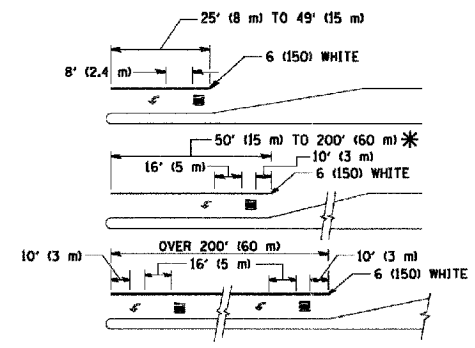
MEDIANS OVER 4' (1.2 m) WIDE



A MINIMUM OF TWO PAIRS OF TURN ARROWS SHALL BE USED, WHITE IN COLOR. ADDITIONAL PAIRS SHALL BE PLACED AT 200' (60 m) TO 300' (90 m) INTERVALS.



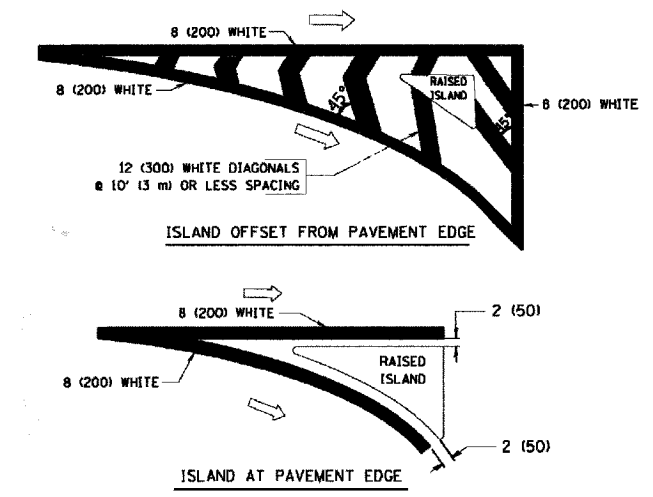
TYPICAL PAINTED MEDIAN MARKING



FULL SIZE LETTERS 8' (2.4 m) AND ARROWS SHALL BE USED. AREA = 15.6 SQ. FT. (1.5 m²) AREA = 20.8 SQ. FT. (1.9 m²)
* TURN LANES IN EXCESS OF 400' (120 m) IN LENGTH MAY HAVE AN ADDITIONAL SET OF ARROW - "ONLY" INSTALLED MIDWAY BETWEEN THE OTHER TWO SETS OF ARROW - "ONLY".

TYPICAL LEFT (OR RIGHT) TURN LANE MARKING

TYPICAL TURN LANE MARKING



TYPICAL ISLAND MARKING

| TYPE OF MARKING | WIDTH OF LINE | PATTERN | COLOR | SPACING / REMARKS |
|---|--|---------------------------------|---|--|
| CENTERLINE ON 2 LANE PAVEMENT | 4 (100) | SKIP-DASH | YELLOW | 10' (3 m) LINE WITH 30' (9 m) SPACE |
| CENTERLINE ON MULTI-LANE UNDIVIDED PAVEMENT | 2 @ 4 (100) | SOLID | YELLOW | 11 (280) C-C |
| NO PASSING ZONE LINES FOR BOTH DIRECTIONS | 4 (100) 2 @ 4 (100) | SOLID SOLID | YELLOW YELLOW | 5 1/2 (140) C-C FROM SKIP-DASH CENTERLINE 11 (280) C-C OMIT SKIP-DASH CENTERLINE BETWEEN |
| LANE LINES | 4 (100) 5 (125) ON FREEWAYS | SKIP-DASH SKIP-DASH | WHITE WHITE | 10' (3 m) LINE WITH 30' (9 m) SPACE |
| DOTTED LINES (EXTENSIONS OF CENTER, LANE OR TURN LANE MARKINGS) | SAME AS LINE BEING EXTENDED | SKIP-DASH | SAME AS LINE BEING EXTENDED | 2' (600) LINE WITH 6' (1.8 m) SPACE |
| EDGE LINES | 4 (100) | SOLID | YELLOW-LEFT WHITE-RIGHT | OUTLINE MOUNTABLE MEDIANS (N YELLOW, E LINES ARE NOT USED NEXT TO BARRIER CURB) |
| TURN LANE MARKINGS | 6 (150) LINE, FULL SIZE LETTERS & SYMBOLS (8' (2.4m)) | SOLID | WHITE | SEE TYPICAL TURN LANE MARKING DETAIL |
| TWO WAY LEFT TURN MARKING | 2 @ 4 (100) EACH DIRECTION 8' (2.4m) LEFT ARROW | SKIP-DASH AND SOLID IN PAIRS | YELLOW WHITE | 10' (3 m) LINE WITH 30' (9 m) SPACE FOR SKIP-DASH 5 1/2 (140) C-C BETWEEN SOLID LINE AND SKIP-DASH LINE SEE TYPICAL TWO-WAY LEFT TURN MARKING DETAIL |
| CROSSWALK LINES (PEDESTRIAN) A. DIAGONALS (BIKE & EQUESTRIAN) B. LONGITUDINAL BARS (SCHOOL) | 2 @ 6 (150) 12 (300) @ 45° 12 (300) @ 90° | SOLID SOLID SOLID | WHITE WHITE WHITE | NOT LESS THAN 6' (1.8 m) APART 2' (600) APART 2' (600) APART SEE TYPICAL CROSSWALK MARKING DETAILS. |
| STOP LINES | 24 (600) | SOLID | WHITE | PLACE 4' (1.2 m) IN ADVANCE OF AND PARALLEL TO CROSSWALK, IF PRESENT. OTHERWISE, PLACE AT DESIRED STOPPING POINT, PARALLEL TO CROSSROAD CENTERLINE, WHERE POSSIBLE |
| PAINTED MEDIANS | 2 @ 4 (100) WITH 12 (300) DIAGONALS @ 45° NO DIAGONALS USED FOR 4' (1.2 m) WIDE MEDIANS | SOLID | YELLOW: TWO WAY TRAFFIC WHITE: ONE WAY TRAFFIC | 11 (280) C-C FOR THE DOUBLE LINE SEE TYPICAL PAINTED MEDIAN MARKING. |
| GORE MARKING AND CHANNELIZING LINES | 8 (200) WITH 12 (300) DIAGONALS @ 45° | SOLID | WHITE | DIAGONALS: 15' (4.5 m) C-C (LESS THAN 30MPH (50 km/h)) 20' (6 m) C-C 30MPH (50 km/h) TO 45MPH (70 km/h) 30' (9 m) C-C (OVER 45MPH (70 km/h)) |
| RAILROAD CROSSING | 24 (600) TRANSVERSE LINES; "RR" 15 6' (1.8 m) LETTERS; 16 (400) LINE FOR "X" | SOLID | WHITE | SEE STATE STANDARD 780001 AREA OF: "R"=3.6 SQ. FT. (0.33 m ²) EACH "X"=54.0 SQ. FT. (5.0 m ²) |
| SHOULDER DIAGONALS | 12 (300) @ 45° | SOLID | WHITE - RIGHT YELLOW - LEFT | 50' (15 m) C-C (LESS THAN 30MPH (50 km/h)) 75' (25 m) C-C (30 MPH (50 km/h) TO 45MPH (70 km/h)) 150' (45 m) C-C (OVER 45MPH (70 km/h)) |

FOR FURTHER DETAILS ON PAVEMENT MARKING REFER TO STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION AND STATE STANDARD 780001.

All dimensions are in inches (millimeters) unless otherwise shown.

| REVISIONS | |
|--------------|----------|
| NAME | DATE |
| EVERS | 03-19-90 |
| T. RAMMACHER | 10-27-94 |
| ALEX HOUSEH | 10-09-96 |
| ALEX HOUSEH | 10-17-96 |
| T. RAMMACHER | 01-06-00 |

ILLINOIS DEPARTMENT OF TRANSPORTATION
DISTRICT ONE
TYPICAL PAVEMENT MARKINGS

SCALE: NONE DRAWN BY CADD CHECKED BY