FOR INDEX OF SHEETS, SEE SHEET NO. 2
FOR LIST OF HIGHWAY STANDARDS, SEE SHEET NO. 2

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2508	02-00039-00-PV	KENDALL	146	1
FED. ROAD DIST. NO. _	ILLINOIS	FED. AID PROJECT		

87333

1-18-08 Letting, Item 136

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

PLANS FOR PROPOSED FEDERAL AID HIGHWAY

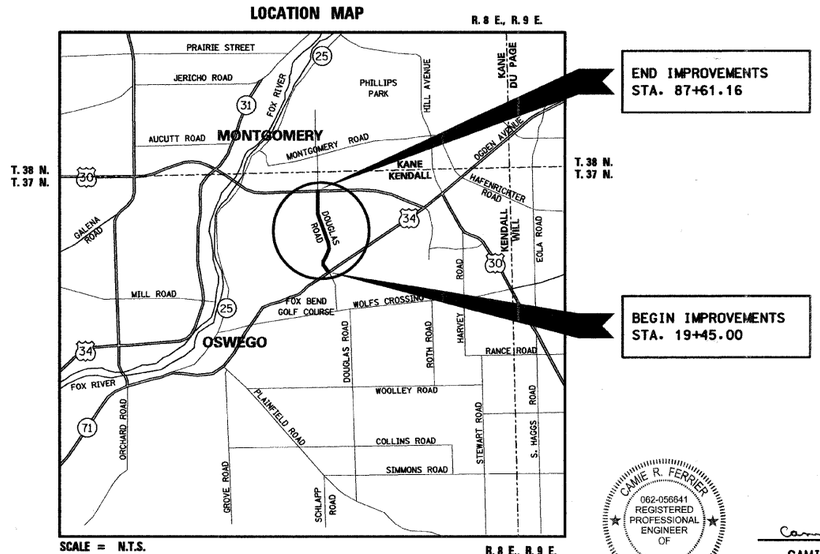
F.A.U. 2508 (DOUGLAS ROAD)
SECTION: 02–00039–00–PV
PROJECT: ACM–8003 (252)
KENDALL COUNTY
C–93–055–03
RESURFACING, WIDENING, AND RECONSTRUCTION FROM U.S. ROUTE 30 TO U.S. ROUTE 34 IN VILLAGE OF OSWEGO, ILLINOIS

LOCATION OF SECTION INDICATED THUS:- ■

FUNCTIONAL CLASSIFICATION – URBAN COLLECTOR
2002 ADT = 19,285
2025 ADT = 41,460
PV = 97.5% SU = 1.7% MU = 0.8%
DESIGN SPEED = 40 MPH
POSTED SPEED = 35 MPH

FUNDING TYPE – STP

LOCATION MAP



END IMPROVEMENTS
STA. 87+61.16

BEGIN IMPROVEMENTS
STA. 19+45.00

NET LENGTH OF IMPROVEMENT = 6,816 FT = 1.29 MILES
GROSS LENGTH OF IMPROVEMENT = 6,816 FT = 1.29 MILES

100' 200' 300' 1" = 100'
0 10' 20' 30' 1" = 10'
0 50' 100' 1" = 50'
0 50' 100' 1" = 40'
0 50' 100' 1" = 30'
0 50' 100' 1" = 20'

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

CONTRACT NO. 87333

CAMIE R. FERRIER
062-056641
REGISTERED PROFESSIONAL ENGINEER OF ILLINOIS

Camie R Ferrier 3-26-07
CAMIE R FERRIER
NO. 062–056641
EXP. DATE NOVEMBER 30, 2007
SMITH ENGINEERING CONSULTANTS

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

SUBMITTED March 30 20 07
VILLAGE PRESIDENT
3/30 20 07
DISTRICT 3 ENGINEER OF LOCAL ROADS AND STREETS
3/30 20 07
DEPUTY DIRECTOR, REGION 2 ENGINEER

Illinois Professional Design Firm # 184-000108
SEC GROUP, INC.
Smith Engineering Consultants • SEC Automation • SEC Planning
759 John Street, Yorkville, IL 60560
t. 630.553.7560 f. 630.553.7646
www.secgroupinc.com engineering@secgroupinc.com

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2508	02-00039-00-PV	KENDALL	146	2
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

87333

INDEX OF SHEETS

LIST OF STANDARDS

280001-04	TEMPORARY EROSION CONTROL SYSTEMS
424001-05	CURB RAMPS FOR SIDEWALKS
442201-03	CLASS C AND D PATCHES
482001-02	HMA SHOULDER ADJACENT TO FLEXIBLE PAVEMENT
482011-03	HMA SHOULDER STRIPS/SHOULDERS WITH RESURFACING OR WIDENING AND RESURFACING PROJECTS
515001-02	NAME PLATE FOR BRIDGE
542401	METAL END SECTION FOR PIPE CULVERTS
542406	METAL END SECTION FOR PIPE ARCHES
602301-01	INLET - TYPE A
602306-01	INLET - TYPE B
602401-01	MANHOLE - TYPE A
602701-01	CAST IRON STEPS
604001-02	FRAME AND LIDS, TYPE 1
604006-03	FRAME AND GRATE, TYPE 3
604036-01	GRATE, TYPE 8
604091-01	FRAME AND GRATE, TYPE 24
606001-03	CONCRETE CURB TYPE B AND COMBINATION CONCRETE CURB AND GUTTER
606006-01	OUTLET FOR CONCRETE CURB AND GUTTER TYPE B-15.60 (B-6.24)
666001	RIGHT-OF-WAY MARKERS
667101	PERMANENT SURVEY MARKERS
668001	METHOD OF RESETTING U.S. GEOLOGICAL SURVEY AND NATIONAL GEODETIC SURVEY BENCHMARKS
701001-01	OFF-ROAD OPERATIONS 2L, 2W, MORE THAN 4.5m (15') AWAY
701006-02	OFF-ROAD OPERATIONS 2L, 2W, 4.5m (15') TO 600mm (24") FROM PAVEMENT EDGE
701011-01	OFF-ROAD MOVING OPERATIONS 2L, 2W, DAY ONLY
701101-01	OFF-ROAD OPERATIONS, MULTILANE, 4.5m (15') TO 600mm (24") FROM PAVEMENT EDGE
701301-02	LANE CLOSURE 2L, 2W, SHORT TIME OPERATIONS
701311-02	LANE CLOSURE 2L, 2W, MOVING OPERATIONS - DAY ONLY
701501-04	URBAN LANE CLOSURE 2L, 2W, UNDIVIDED
701602-03	URBAN LANE CLOSURE, MULTILANE, 2W, WITH BIDIRECTIONAL TURN LANE
701606-05	URBAN LANE CLOSURE, MULTILANE, 2W, WITH MOUNTABLE MEDIAN
701701-05	URBAN LANE CLOSURE, MULTILANE, INTERSECTION
701901	TRAFFIC CONTROL DEVICES
704001-04	TEMPORARY CONCRETE BARRIER
720001	SIGN PANEL MOUNTING DETAILS
720006-01	SIGN PANEL ERECTION DETAILS
720011	METAL POSTS FOR SIGNS, MARKERS & DELINEATORS
720016-01	MAST ARM MOUNTED STREET NAME SIGNS
729001	APPLICATIONS OF TYPES A AND B METAL (FOR SIGNS AND MARKERS)
780001-01	TYPICAL PAVEMENT MARKINGS
781001-02	TYPICAL APPLICATIONS RAISED REFLECTIVE PAVEMENT MARKERS
805001	ELECTRICAL SERVICE INSTALLATION DETAILS
814001-01	CONCRETE HANDHOLES
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857001	STANDARD PHASE DESIGNATION DIAGRAMS AND PHASE SEQUENCES
862001	UNINTERUPTABLE POWER SUPPLY (UPS)
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880001	SPAN WIRE MOUNTED SIGNALS AND FLASHING BEACON INSTALLATION
880006	TRAFFIC SIGNAL MOUNTING DETAILS
886001	DETECTOR LOOP INSTALLATIONS
886006	TYPICAL LAYOUT FOR DETECTION LOOPS

PLAN: SURVEYED, PLOTTED, ALIGNMENT CHECKED, RT. OF WAY CHECKED, CADD FILE NAME, NOTE BOOK, NO. ____, BY, DATE

PROFILE: SURVEYED, PLOTTED, PROFILE CHECKED, ELEV. NOTED, STRUCTURE NOTATING CHKD, NOTE BOOK, NO. ____, BY, DATE

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ILLINOIS DEPARTMENT OF TRANSPORTATION

F.A.U. 2508 – DOUGLAS ROAD
(U.S. RTE 34 TO U.S. RTE 30)

INDEX OF SHEETS AND HIGHWAY STANDARDS

SCALE: VERT. HORIZ. DRAWN BY
DATE CHECKED BY

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2508	02-00039-00-PV	KENDALL	146	3
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

87333

GENERAL NOTES

THE THICKNESS OF BITUMINOUS MIXTURES SHOWN ON THE PLANS IS THE NOMINAL THICKNESS. DEVIATIONS FROM THE NOMINAL THICKNESS WILL BE PERMITTED WHEN SUCH DEVIATIONS OCCCUR DUE TO IRREGULARITIES IN THE EXISTING SURFACE OR BASE ON WHICH THE BITUMINOUS MIXTURE IS PLACED.

THE BITUMINOUS SURFACE OF ALL MAILBOX TURNOUTS, PRIVATE ENTRANCES, COMMERCIAL ENTRANCES, AND SIDE ROADS SHALL BE MADE NEATLY, IN A WORKMANLIKE MANNER, AND SHALL ACCURATELY CONFORM TO THE SHAPES AND DIMENSIONS SHOWN ON THE PLAN DETAILS. IF REQUIRED BY THE ENGINEER, THE CONTRACTOR SHALL BE REQUIRED TO SAW CUT THE BITUMINOUS SURFACE TO CONFORM TO THE SHAPES AND DIMENSIONS SHOWN ON THE PLAN DETAILS. THIS WORK SHALL BE INCLUDED IN THE COST OF THE BITUMINOUS SURFACE.

THE BASE COURSE WIDENING SHALL BE CARRIED THROUGH ALL ENTRANCES, SIDE ROADS, AND MAILBOX TURNOUTS. EXCEPTIONS WILL BE SHOWN ON THE PLANS.

EXCEPT AS NOTED ON THE PLANS, PAVEMENT GRADES SHOWN ARE AT THE TOP OF PAVEMENT SURFACES.

ESTIMATED QUANTITIES OF EXPLORATION TRENCH, STORM SEWER SPECIAL, AND FIELD TILE JUNCTION VAULTS HAVE BEEN INCLUDED IN THE PLANS. THESE ITEMS ARE NOT SCHEDULED. EXACT LOCATIONS FOR THESE ITEMS SHALL BE DETERMINED BY THE ENGINEER.

AGGREGATE (PRIME COAT): FA 20 MAY BE USED IN ADDITION TO THE GRADATIONS LISTED IN THE 3RD PARAGRAPH OF ARTICLE 1003.03(c) OF THE STANDARD SPECIFICATIONS.

THE ENGINEER WILL BE THE SOLE JUDGE CONCERNING CURING TIME FOR THE VARIOUS BITUMINOUS LIFTS.

FOR STABILIZATION, ALL TYPE III BARRICADES SHALL REQUIRE A MINIMUM OF FOUR SAND BAGS PER BARRICADE.

SEEDING SHALL NOT BE PERMITTED AT ANY TIME WHEN THE GROUND IS FROZEN, WET, OR IN AN UNTILLABLE CONDITION. LOCATIONS TO BE SEEDED WILL BE DETERMINED BY THE ENGINEER.

ONLY THOSE TREES DESIGNATED BY THE ENGINEER OR LISTED IN THE TREE REMOVAL SCHEDULE SHALL BE REMOVED. THE CONTRACTOR SHALL PROTECT ALL REMAINING TREES FROM DAMAGE DUE TO HIS OPERATIONS. THIS WORK WILL NOT BE PAID FOR SEPARATELY, BUT SHALL BE INCLUDED IN THE UNIT PRICES OF THE CONTRACT.

THE FINISHED EARTHWORK SHALL HAVE A VEGETATION SUSTAINING SOIL COVERING THE TOP FOUR INCHES IN ALL AREAS TO BE SEEDED. THE VEGETATION SUSTAINING SOIL REQUIRED WILL NOT BE PAID FOR SEPARATELY, BUT SHALL BE INCLUDED IN THE COST OF EARTH EXCAVATION.

ALL ELEVATIONS REFER TO THE U.S.G.S. MEAN SEA LEVEL DATUM.

ABANDONED UNDERGROUND UTILITIES THAT CONFLICT WITH CONSTRUCTION SHALL BE DISPOSED OF OUTSIDE THE LIMITS OF THE RIGHT OF WAY ACCORDING TO ARTICLE 202.03 OF THE STANDARD SPECIFICATIONS AND AS DIRECTED BY THE ENGINEER. THIS WORK WILL NOT BE PAID FOR SEPARATELY BUT SHALL BE INCLUDED IN THE COST OF EARTH EXCAVATION.

ANY REFERENCE TO A STANDARD IN THESE PLANS SHALL BE INTERPRETED TO MEAN THE EDITION AS INDICATED BY THE SUBNUMBER LISTED ON THE INDEX OF SHEETS OR THE COPY OF THE STANDARD INCLUDED IN THESE PLANS.

SOIL BORINGS FOR THE PROJECT ARE LOCATED IN THE SPECIAL PROVISION BOOKLET

ALL EXISTING ROADWAY SIGNS THAT INTERFERE WITH CONSTRUCTION SHALL BE RELOCATED AS DIRECTED BY THE ENGINEER. SIGNS NO LONGER NEEDED FOR USE SHALL BE STOCKPILED AT A LOCATION DETERMINED BY THE VILLAGE AND SHALL BE PROTECTED FROM DAMAGE. THIS WORK WILL NOT BE PAID FOR SEPARATELY BUT SHALL BE INCLUDED IN THE COST OF EARTH EXCAVATION.

EXISTING DECORATIVE BOULDERS THAT ARE LOCATED WITHIN THE PROJECT SITE SHALL BE RELOCATED AS DIRECETED BY THE VILLAGE. THIS WORK WILL NOT BE PAID FOR SEPARATELY BUT SHALL BE INCLUDED IN THE COST OF EARTH EXCAVATION.

THE FOLLOWING RATES OF APPLICATION HAVE BEEN USED IN CALCULATING PLAN QUANTITIES:

GRANULAR MATERIALS	2.05	TONS / CU YD
BITUMINOUS MAT PRIME COAT	0.08 0.375	GAL / SQ YD OR GAL / SQ YD
AGGREGATE PRIME COAT	0.002	TONS / SQ YD
BITUMINOUS RESURFACING	112	LBS / SQ YD / IN
SHORT TERM PAVEMENT MARKING	10	FT / 100 FT OF APPLICATION
TEMPORARY DITCH CHECKS	9 5	BALES OR TONS AGGREGATE

THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTING UTILITY PROPERTY DURING CONSTRUCTION OPERATIONS AS OUTLINED IN ARTICLE 107.31 OF THE STANDARD SPECIFICATIONS. A MINIMUM OF 48 HOURS ADVANCE NOTICE IS REQUIRED FOR NON-EMERGENCY WORK. THE JULIE NUMBER IS 800-892-0123. THE FOLLOWING LISTED UTILITIES LOCATED WITHIN PROJECT LIMITS OR IMMEDIATELY ADJACENT TO PROJECT LIMITS ARE MEMBERS OF JULIE:

COM ED
1 N 423 SWIFT ROAD
LOMBARD, IL 60148

FOX METRO
682 STATE ROUTE 31
OSWEGO, IL 60543

COMCAST CABLE
688 INDUSTRIAL DRIVE
ELMHURST, IL 60126

SBC AMERITECH
65 W. WEBSTER ST.
FLOOR 4E
JOLIET, IL 60432

NICOR GAS
90 NORTH FINLEY ROAD
GLEN ELLYN, IL 60137

VILLAGE OF OSWEGO
100 THEODORE DRIVE
OSWEGO, IL 60543

THE FOLLOWING LISTED UTILITIES LOCATED WITHIN PROJECT LIMITS OR IMMEDIATELY ADJACENT TO PROJECT LIMITS ARE NON-MEMBERS OF JULIE:

VILLAGE OF MONTGOMERY
1300 S. BROADWAY
MONTGOMERY, IL 60538

COMMITMENTS:

1. ENVIRONMENTAL COORDINATION - REQUIREMENTS OF THE 404 PERMIT AND THE STORM WATER POLLUTION PREVENTION PLAN WHICH ARE INCLUDED IN THE SPECIAL PROVISIONS SHALL BE FOLLOWED.

MAINTENANCE OF TRAFFIC

THE CONTRACTOR SHALL MAINTAIN A MINIMUM OF 2-11' WIDE LANES FOR TWO-WAY TRAFFIC FLOW. INGRESS AND EGRESS TO DRIVEWAYS AND SIDE STREETS SHALL BE MAINTAINED AS SHOWN ON THE PLANS AND/OR AS DIRECTED BY THE ENGINEER. QUANTITIES FOR AGGEGRATE FOR TEMPORARY ACCESS HAVE BEEN INCLUDED IN THE CONTRACT FOR DRIVEWAY AND SIDE STREET ACCESS.

THE CONTRACTOR SHALL MAINTAIN TRAFFIC IN ACCORDANCE WITH THE SPECIAL PROVISIONS, STATE STANDARDS, STANDARD SPECIFICATIONS AND AS DIRECTED BY THE ENGINEER.

THE ENGINEER SHALL BE INFORMED 48 HOURS IN ADVANCE OF ANY CHANGE IN CONSTRUCTION STAGING.

TYPE II BARRICADES AND VERTICAL PANELS SHALL BE EQUIPPED WITH MONO-DIRECTIONAL STEADY BURN LIGHTS AND SHALL BE PLACED AT 50' INTERVALS ALONG THE PROPOPOSED WORK ZONE AND AT 25' INTERVALS WITHIN TAPER SECTIONS AS INDICATED ON THE PLANS OR AS DIRECTED BY THE ENGINEER.

THE CONTRACTOR SHALL BE REQUIRED TO REMOVE ALL EXISTING PAVEMENT MARKINGS WHICH CONFLICT WITH THE DESIGNATED TRAFFIC CONTROL PLAN. THIS WORK SHALL BE PAID FOR AS PAVEMENT MARKING REMOVAL.

ALL TEMPORARY PAVEMENT MARKINGS SHOWING DETERIORATION AFTER 7 DAYS SHALL BE REPLACED BY THE CONTRACTOR AS DIRECTED BY THE ENGINEER. ALL MARKINGS REQUIRING REPLACEMENT SHALL BE REPLACED BY THE CONTRACTOR AT HIS OWN EXPENSE.

THE FURNISHING, INSTALLING, AND RELOCATION OF ALL TRAFFIC SIGNS SHLL BE IN ACCORDANCE WITH THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES AND THE STANDARD SPECIFICATIONS. THIS WORK SHALL BE INCLUDED IN THE COST FOR TRAFFIC CONTROL AND PROTECTION (SPECIAL). ALL CONFLICTING TRAFFIC SIGNS SHALL BE COVERED AS DIRECTED BY THE ENGINEER. THIS SHALL BE INCLUDED IN THE COST OF TRAFFIC CONTROL AND PROTECTION (SPECIAL).

ALL DRIVEWAYS SHALL BE OPEN FOR TRAFFIC DURING THE CONSTRUCTION.

THE CONTRACTOR SHALL PROVIDE AND INSTALL TWO (2) WEIGHTED SAND BAGS ON EACH TYPE II BARRICADE USED - ONE (1) WEIGHTED SAND BAG ACROSS EACH BOTTOM RAIL.

THE CONTRACTOR SHALL BE RESPONSIBLE FOR ENSURING DRAINAGE OF THE ROADWAY DURING ALL STAGES OF CONSTRUCTION.

TEMPORARY PAVEMENT SHALL ADHERE TO SECTION 703 OF THE STANDARD SPECIFICATIONS AND THE PROJECT SPECIAL PROVISIONS.

THE COST TO RELOCATE IMPACT ATTENUATORS SHALL BE INCLUDED IN THE COST OF TRAFFIC CONTROL AND PROTECTION (SPECIAL).

TRAFFIC SIGNALS

THE TRAFFIC SIGNAL SECTION AT THE ILLINOIS DEPARTMENT OF TRANSPORTATION, DISTRICT 3 SHALL BE NOTIFIED AT 815-434-8506 AT LEAST 72 HOURS PRIOR TO TURNING ON ANY FLASHER OR CONTROLLER UNITS.

ALL TRAFFIC SIGNAL HEADS SHALL BE 12-INCH POLYCARBONATE.

TRAFFIC SIGNAL HEADS SHALL BE PROPERLY COVERED PRIOR TO INTERSECTION TURN-ON OR AS DIRECTED BY THE ENGINEER. THIS COST SHALL BE INCLUDED WITH THE COST OF THE ASSOCIATED TRAFFIC SIGNAL PAY ITEMS.

A 1/4" DIAMETER CONTINUOUS RODENT RESISTANT NYLON ROPE SHALL BE FURNISHED AND LEFT IN PLACE IN ALL CONDUITS BETWEEN HANDHOLES AND FOUNDATIONS OR CONTROLLER. THIS COST SHALL BE INCLUDED WITH THE COST OF CONDUIT PAY ITEM.

THE CONTRACTOR SHALL ARRANGE FOR A FACTORY OR SUPPLIER REPRESENTATIVE TO BE PRESENT AT THE INTERSECTION WHEN THE SIGNAL IS TURNED ON. COST TO BE INCLUDED WITH THE TRAFFIC SIGNAL CONTROLLER PAY ITEM.

ALL CONDUIT IN TRENCH SHALL BE P.V.C.. ALL CONDUIT PUSHED MAY BE P.V.C. OR GALVANIZED STEEL. CONDUIT ATTACHED TO STRUCTURES SHALL BE GALVANIZED STEEL.

NO ADDITIONAL COMPENSATION WILL BE ALLOWED FOR PLACING CONDUIT AT A GREATER THAN 2' MINIMUM DEPTH TO AVOID OBSTACLES SUCH AS UNDERGROUND UTILITIES.

ALL MAST ARM MOUNTED SIGNAL HEADS ON AN INDIVIDUAL MAST ARM SHALL BE MOUNTED SO THAT THE RED INDICATIONS ARE LEVEL WITH EACH OTHER.

THE ELECTRICAL CONDUCTORS FOR ALL TRAFFIC SIGNAL HEADS SHALL BE SOLID, SOFT COPPER.

DETECTOR LOOP INSTALLATION SHALL BE COMPLETED AFTER PLACEMENT OF THE LEVELING BINDER AND PRIOR TO THE PLACEMENT OF THE SURFACE COURSE.

ALL THREADS OF BOLTS USED IN THE ASSEMBLY OF TRAFFIC SIGNAL COMPONENTS SHALL BE COATED WITH A NON-LEAD BASED ANTI-SEIZE COMPOUND, SIMILAR TO LEAD PLATE, PRIOR TO ASSEMBLY.

ALL HARDWARE SHALL BE TIGHTENED AND WELL SECURED. CABLES SHALL BE NEATLY WOUND IN HANDHOLES. CABLES SHALL BE NEATLY TRAINED IN THE CONTROLLER CABINET.

ALL SIGNAL BASES SHALL BE LOCATED A MINIMUM OF 6' FROM THE FACE OF CURB UNLESS OTHERWISE DIRECTED BY THE ENGINEER.

ALL TRAFFIC SIGNAL WIRING SHALL EXTEND FROM CONTROLLER TO SIGNAL. SPLICES IN JUNCTION BOXES WILL NOT BE ALLOWED.

DETECTOR LOOPS IN SAME LANE SHALL BE WOUND CLOCKWISE AND COUNTERCLOCKWISE IN ALTERNATING ORDER. LOOPS IN ADJACENT LANES SHALL BE WOUND ALL THE SAME.

THE CONTROLLER CABINET SHALL BE PLACED SO THAT A TECHNICIAN MAY SEE THE INTERSECTION OVER THE TOP OF THE CABINET WHILE WATCHING THE COMPONENTS IN THE CABINET.

THE PROPOSED TRAFFIC SIGNAL CONTROLLER CABINET SHALL BE FURNISHED WITH A MANUAL CONTROL SWITCH AND MANUAL CONTROL CHORD WITHIN THE POLICE DOOR COMPARTMENT. THIS WORK SHALL BE INCLUDED IN THE CONTROLLER CABINET PAY ITEM.

THE CONTRACTOR SHALL PROVIDE A SELF-ADHERED PHASE DIAGRAM ON THE INSIDE OF THE CONTROLLER CABINET DOOR.

THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ELECTRICAL SERVICE FOR THE TRAFFIC SIGNALS. THE CONTRACTOR SHALL CONTACT THE UTILITY COMPANY PRIOR TO BEGINNING WORK TO OBTAIN THE UTILITY COMPANY REQUIREMENTS FOR THE SERVICE INSTALLATION.

ALL DETECTOR LOOP AMPLIFIERS SHALL BE CARD RACK MOUNTED AND FURNISHED WITH PLASTIC TAGS LABELED WITH RESPECTIVE PHASES AND DIRECTION AS LISTED IN THE DETECTOR LOOP CHART. MINIMUM TAG SIZE OF 3/8" X 3/4". TAGS SHALL BE MADE OF MATERIAL THAT DOES NOT ALLOW WRITING TO FADE OVER TIME.

THE LENGTH OF DETECTOR LOOP CABLE FROM THE CURB TO THE JUNCTION BOX OR HANDHOLE IS INCLUDED WITH THE DETECTOR LOOP PAY ITEM.

BACKPLATES SHALL BE POLYCARBONATE WITH DEEP BACK FLANGE.

ALL LED ARROW SECTIONS SHALL HAVE 3 ROWS.

DOUBLE HANDHOLES SHALL BE FURNISHED WITH RECESSED, INTEGRAL HINGED LIDS.

THE ELEVATION OF THE TOP OF THE DOUBLE HANDHOLE SHALL BE LESS THAN THE ELEVATION OF THE TOP OF THE CONTROLLER FOUNDATION.

ALL GROUNDING MATERIALS FOR THE TRAFFIC SIGNAL CONCRETE FOUNDATIONS SHALL REFER TO SECTION 806 OF THE STANDARD SPECIFICATIONS.

A SELF ADHERE PHASING DIAGRAM SHALL BE PLACED INSIDE THE CABINET DOOR.

PLAN / PROFILE
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PLOTTED
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NOTE BOOK
NO.
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FINAL NOTES CHKD
STRUCTURE NOTATNS CHKD
CADD FILE NAME
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DATE

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ILLINOIS DEPARTMENT OF TRANSPORTATION
F.A.U. 2508 – DOUGLAS ROAD
(U.S. RTE 34 TO U.S. RTE 30)

GENERAL NOTES

SCALE: VERT.
HORIZ.
DATE

DRAWN BY
CHECKED BY

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2508	02-00039-00-PV	KENDALL	146	4
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

87333

PLAN / PROFILE — SURVEYED / PLOTTED / ALIGNMENT CHECKED / R.O.W. STAKED / NOTE BOOK / NO. / KLM NOTES / STRUCTURE NOTATNS CHKD / CADD FILE NAME / BY / DATE

GENERAL NOTES

I. GENERAL NOTES

1. THE DEVELOPER/CONTRACTOR IS RESPONSIBLE FOR NOTIFYING THE VILLAGE OF OSWEGO PUBLIC WORKS DEPT. (630) 554-3242 A MINIMUM OF 48 HOURS BEFORE CONSTRUCTION ACTIVITIES. A 24-HOUR NOTICE MUST BE PROVIDED FOR INSPECTIONS AND TESTS. VILLAGE STAFF MUST OPERATE ALL WATER MAIN VALVES AND HYDRANTS ONLY.

II. WATER MAIN CONSTRUCTION

1. ALL WATER MAIN WORK SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE APPLICABLE "STANDARD SPECIFICATIONS FOR WATER AND SEWER MAIN CONSTRUCTION IN ILLINOIS" LATEST EDITION.
2. WATER MAINS SHALL HAVE A MINIMUM COVER OF 5.5' AND SHALL BE INSTALLED IN A STRAIGHT ALIGNMENT UNLESS SPECIFICALLY SHOWN OTHERWISE ON THE APPROVED PLANS. MINIMUM COVER MAY BE REDUCED, AT THE DISCRETION OF THE VILLAGE ENGINEER, PROVIDED THAT SATISFACTORY MEASURES ARE TAKEN TO INSULATE AND PROTECT THE PIPE.
3. ALL WATER MAINS SHALL BE CEMENT LINED DUCTILE IRON PIPE, CLASS 52 CONFORMING TO AWWA C-151 WITH PUSH-ON OR MECHANICAL JOINTS. FITTINGS SHALL BE CEMENT LINED, TAR COATED CAST IRON WITH MECHANICAL JOINTS RATED 250 PSI PER AWWA C110/ANSI 21.20.
4. ALL PIPE AND FITTINGS SHALL BE MANUFACTURED IN THE UNITED STATES OR APPROVED EQUAL.
5. ALL MAIN LINE VALVES SHALL BE "AMERICAN FLOW CONTROL" TYPE GATE VALVES AND HOUSED IN A PRECAST CONCRETE VAULT OF THE APPROPRIATE SIZE.
6. ALL HYDRANTS SHALL BE "WATEROUS PACER" MODEL WB-67-250 AND INCLUDE A GATE VALVE IN A METAL BOX WITH BRACING AND TRENCH ADAPTER.
7. ALL CORPORATION STOPS SHALL BE "A Y MCDONALD" MODEL, COMPRESSION TYPE.
8. ALL CURB STOPS SHALL BE "A Y MCDONALD" MODEL.
9. ALL WATER MAINS SHALL BE PRESSURE TESTED AND DISINFECTED IN ACCORDANCE WITH THE STANDARDS AND PROCEDURES SET BY THE VILLAGE.
10. ONLY VILLAGE STAFF IS ALLOWED TO OPERATE VALVES AND HYDRANTS. A MINIMUM OF 24 HOURS ADVANCE NOTICE MUST BE GIVEN TO THE VILLAGE PUBLIC WORKS DEPARTMENT FOR THE OPERATION OF VALVES AND HYDRANTS.

III. TEMPORARY TRAFFIC SIGNAL INSTALLATION

1. THE CONTRACTOR SHALL VERIFY THE EXACT LOCATION OF ALL UNDERGROUND UTILITIES PRIOR TO BEGINNING CONSTRUCTION. CALL J.U.L.I.E. AT 800-892-0123. THE CONTRACTOR SHALL ALSO VERIFY THAT NO CONFLICTS WITH PROPOSED STORM SEWER, CONDUITS, THE TEMPORARY WOOD POLES, OR OTHER UTILITIES WILL EXIST.
2. THE TRAFFIC SIGNAL SECTION AT THE ILLINOIS DEPARTMENT OF TRANSPORTATION SHALL BE NOTIFIED AT 815-434-8506 AT LEAST 72 HOURS PRIOR TO TURNING ON ANY FLASHER OR CONTROLLER UNITS.
3. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE MAINTENANCE OF THE TEMPORARY TRAFFIC SIGNAL INSTALLATIONS FOR THE DURATION OF THE CONSTRUCTION OR UNTIL THE PERMANENT TRAFFIC SIGNALS ARE OPERATIONAL.
4. ALL TRAFFIC SIGNAL HEADS SHALL BE 12 INCH.
5. THE CONTRACTOR SHALL ARRANGE FOR A FACTORY OR SUPPLIER REPRESENTATIVE TO BE PRESENT AT THE INTERSECTION WHEN THE TEMPORARY SIGNALS ARE TURNED ON AND DURING EACH STAGE CHANGE. COST TO BE INCLUDED WITH THE TEMPORARY TRAFFIC SIGNAL INSTALLATION PAY ITEM.
6. THE ELECTRICAL CONDUCTORS FOR ALL TRAFFIC SIGNAL HEADS SHALL BE SOLID, SOFT COPPER.
7. THE CONTRACTOR IS RESPONSIBLE FOR UNCOVERING OR HAND DIGGING AROUND UTILITIES AS NECESSARY. THE COST OF THIS WORK IS TO BE INCLUDED WITH THE TEMPORARY TRAFFIC SIGNAL INSTALLATION PAY ITEM.
8. ALL TEMPORARY WOOD POLES SHALL BE LOCATED A MINIMUM OF 6 FT FROM THE FACE OF CURB UNLESS OTHERWISE DIRECTED BY THE ENGINEER.
9. THE PROPOSED TEMPORARY TRAFFIC SIGNAL CONTROL CABINET SHALL BE FURNISHED WITH A MANUAL CONTROL SWITCH AND MANUAL CONTROL CORD WITHIN THE POLICE DOOR COMPARTMENT AS INCIDENTAL TO TEMPORARY TRAFFIC SIGNAL INSTALLATION PAY ITEM.
10. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ELECTRICAL SERVICE FOR THE TEMPORARY TRAFFIC SIGNALS. THE CONTRACTOR SHALL CONTACT THE UTILITY COMPANY REQUIREMENTS FOR THE SERVICE INSTALLATION. THE COST OF THIS WORK IS TO BE INCLUDED WITH THE TEMPORARY TRAFFIC SIGNAL INSTALLATION PAY ITEM.
11. ALL TEMPORARY WOOD SUPPORT POLES SHALL BE INSTALLED SO THAT A MINIMUM OF 30 FT OF POLE IS ABOVE THE EXISTING PAVEMENT ELEVATION ADJACENT TO THE POLE. A SUFFICIENT LENGTH OF POLE SHALL BE BURIED AND BACK GUYED TO ALLOW THE INSTALLATION TO WITHSTAND 50 M.P.H. SUSTAINED WIND LOADING.
12. A CABINET OF SUFFICIENT SIZE SHALL BE INSTALLED BY THE CONTRACTOR AT A LOCATION ACCEPTABLE TO THE ENGINEER. THE CABINET SHALL NOT BE LOCATED ON A SPAN WIRE POLE. IT SHALL BE EITHER GROUND MOUNTED ON A WOODEN FOUNDATION OR POST MOUNTED ON A SEPARATE POST. ALL CABLE WITHIN 10 FT OF THE GROUND SHALL BE IN CONDUIT. IT IS ACCEPTABLE FOR 13 FT OR LESS LENGTHS OF CONDUIT TO BE LAID ALONG THE GROUND IN AREAS ACCEPTABLE TO THE ENGINEER.
13. A MINIMUM OF 26 FT OF CABLE SLACK SHALL BE PROVIDED FOR EACH SIGNAL HEAD.
14. REINSTALL EXISTING STREET NAME SIGN TO TEMPORARY SPAN WIRE POLES AS DIRECTED BY THE ENGINEER. THE COST OF THIS WORK IS TO BE INCLUDED WITH THE TEMPORARY TRAFFIC SIGNAL INSTALLATION PAY ITEM.
15. REINSTALL THE EXISTING OR PROVIDE NEW R10-5 (LEFT TURN YIELD ON GREEN). 24" x 30" SIGN IMMEDIATELY RIGHT OF THE 5-SECTION SPAN-WIRE SIGNAL HEADS & BETWEEN THE 3-SECTION SPAN-WIRE SIGNAL HEADS ON THE EAST AND WEST SPAN-WIRES.
16. TEMPORARY SIGNALS TO BE IN OPERATION BEFORE EXISTING SIGNALS ARE REMOVED.
17. CONTRACTOR IS RESPONSIBLE FOR MODIFYING THE CONTROLLER FROM STAGE TO STAGE AS SHOWN IN PHASE DESIGNATION DIAGRAM. THIS COST SHALL BE INCLUDED IN THE COST OF TEMPORARY TRAFFIC SIGNAL INSTALLATION PAY ITEM.
18. SIGNAL HEADS SHALL BE MOVED AS REQUIRED AND BAGGED BY THE CONTRACTOR ACCORDINGLY FROM STAGE TO STAGE. SIGN R10-5 SHALL BE COVERED AS NECESSARY. THIS COST SHALL BE INCLUDED WITH COST OF TEMPORARY TRAFFIC SIGNAL INSTALLATION PAY ITEM.
19. ALL LABOR AND MATERIALS REQUIRED TO COMPLY WITH THESE REQUIREMENTS SHALL BE CONSIDERED INCLUDED WITHIN THE CONTRACTOR UNIT PRICE FOR TEMPORARY TRAFFIC SIGNAL INSTALLATION.

LEGEND

	EXISTING	PROPOSED
SINGLE POST SIGN		
POWER LINE		
TELEPHONE OR TELEGRAPH		
LIGHT STANDARD		
LIGHTING CONTROLLER		
TRAFFIC SIGNAL		
FIRE HYDRANT		
VALVE VAULT		
BUFFALO BOX		
MANHOLE		
CATCH BASIN		
INLET		
RIGHT OF WAY MARKER		
ABOVE GROUND SPLICE BOX		
HANDHOLE		
LOCATED OBJECT		
VEGETATION OUTLINE		
SINGLE TREE OR BUSH		
STUMP		
FENCE		
MAILBOX		
STORM SEWER		
SANITARY SEWER		
WATER MAIN	W	W
FIBER OPTIC	FO	FO
EXISTING ROW		
TEMPORARY EASEMENT		

LEGEND

	EXISTING	PROPOSED
CONTROLLER CABINET		
SIGNAL POST (LENGTH AS INDICATED)		
SIGNAL FACE		
SIGNAL FACE WITH BACKPLATE		
MAST ARM ASSEMBLY AND POLE (LENGTH AS NOTED)		
COMBINATION MAST ARM ASSEMBLY AND POLE (LENGTH AS NOTED)		
HANDHOLE		
DOUBLE HANDHOLE		
HEAVY DUTY HANDHOLE	1'-6"	
GALVANIZED STEEL CONDUIT		
LOOP DETECTOR		
SERVICE INSTALLATION, TYPE B		
LIGHT DETECTOR		
CONFIRMATION BEACON		
TEMPORARY WOOD POLE (CLASS 5 OR BETTER) 45 FOOT (13.7m) MIN.		
JUNCTION BOX		
PEDESTRIAN SIGNAL HEAD		
PEDESTRIAN PUSHBUTTON		

ILLINOIS DEPARTMENT OF TRANSPORTATION

F.A.U. 2508 – DOUGLAS ROAD (U.S. RTE 34 TO U.S. RTE 30)

GENERAL NOTES

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F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2508	02-00039-00-PV	KENDALL	146	5
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

87333

	CODE NUMBER	PAY ITEM	UNIT	TOTAL	I000-2A QUANTITY	X023-2A QUANTITY
	20100110	TREE REMOVAL (6 TO 15 UNITS DIAMETER)	UNIT	406	406	
	20100210	TREE REMOVAL (OVER 15 UNITS DIAMETER)	UNIT	79	79	
•	20200100	EARTH EXCAVATION	CU YD	18545	17245	1300
	20201200	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIALS	CU YD	2585	2585	
•	20700400	POROUS GRANULAR EMBANKMENT (SPECIAL)	CU YD	183		183
	20800150	TRENCH BACKFILL	CU YD	1391	1391	
	20900110	POROUS GRANULAR BACKFILL	CU YD	124		124
	21101615	TOPSOIL FURNISH AND PLACE, 4"	SQ YD	30870	30870	
•	21300010	EXPLORATION TRENCH, SPECIAL	FOOT	200	200	
Δ	25000210	SEEDING, CLASS 2A	ACRE	6	6	
Δ	25000400	NITROGEN FERTILIZER NUTRIENT	POUND	540	540	
Δ	25000500	PHOSPHORUS FERTILIZER NUTRIENT	POUND	540	540	
Δ	25000600	POTASSIUM FERTILIZER NUTRIENT	POUND	540	540	
Δ	25100115	MULCH, METHOD 2	ACRE	6	6	
Δ	25100630	EROSION CONTROL BLANKET	SQ YD	29040	29040	
	28000300	TEMPORARY DITCH CHECKS	EACH	12	12	
	28000400	PERIMETER EROSION BARRIER	FOOT	1798	1798	
	28000500	INLET AND PIPE PROTECTION	EACH	13	13	
	28000510	INLET FILTERS	EACH	58	58	
	28100209	STONE RIP RAP CLASS A5	TON	450		450
	28200200	FILTER FABRIC	SQ YD	400		400
	35101400	AGGREGATE BASE COURSE, TYPE B	TON	48691	48691	
	35501450	HOT-MIX ASPHALT BASE COURSE	TON	17487	17487	
	35600704	HOT-MIX ASPHALT BASE COURSE WIDENING 7"	SQ YD	92	92	
	40201000	AGGREGATE FOR TEMPORARY ACCESS	TON	9804	9804	
•	40600100	BITUMINOUS MATERIALS (PRIME COAT)	GALLON	18944	18944	
	40600300	AGGREGATE (PRIME COAT)	TON	41	41	
	40600982	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT	SQ YD	662	662	
	40600990	TEMPORARY RAMP	SQ YD	34	34	
	40603235	POLYMERIZED HOT-MIX ASPHALT BINDER COURSE , IL-19.0, N70	TON	5829	5829	
•	40603540	POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70	TON	3609	3609	
	42400200	PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH	SQ FT	17267.5	17267.5	
	42400800	DETECTABLE WARNINGS	SQ FT	160	160	
	44000100	PAVEMENT REMOVAL	SQ YD	30756	30756	
	44000152	HOT-MIX ASPHALT SURFACE REMOVAL, 3/4"	SQ YD	8152	8152	
	44000500	COMBINATION CURB AND GUTTER REMOVAL	FOOT	4064	4064	
	44000600	SIDEWALK REMOVAL	SQ FT	9171	9171	
	44201717	CLASS D PATCHES, TYPE II, 6"	SQ YD	51	51	
	44201721	CLASS D PATCHES, TYPE III, 6"	SQ YD	109	109	

	CODE NUMBER	PAY ITEM	UNIT	TOTAL	I000-2A QUANTITY	X023-2A QUANTITY
	44201723	CLASS D PATCHES, TYPE IV, 6"	SQ YD	1509	1509	
	48101600	AGGREGATE SHOULDERS, TYPE B 8"	SQ YD	83	83	
	48203003	HOT-MIX ASPHALT SHOULDERS, 1 1/2"	SQ YD	291	291	
	50100200	REMOVAL OF EXISTING STRUCTURES	L SUM	1		1
•	50105200	REMOVE EXISTING CULVERTS	EACH	3	3	
	50200100	STRUCTURE EXCAVATION	CU YD	1216		1216
	50300225	CONCRETE STRUCTURES	CU YD	225		225
	50300300	PROTECTIVE COAT	SQ YD	80		80
	50800205	REINFORCEMENT BARS, EPOXY COATED	POUND	21440		21440
	50800515	BAR SPLICERS	EACH	80		80
	50901105	STEEL RAILING	FOOT	420		420
	50901750	PARAPET RAILING	FOOT	112		112
	51500100	NAME PLATES	EACH	1		1
	54213675	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 30"	EACH	1	1	
	54247150	GRATING FOR CONCRETE FLARED END SECTION 30"	EACH	1	1	
•	550A0050	STORM SEWERS, CLASS A, TYPE 1 12"	FOOT	2929	2929	
•	550A0070	STORM SEWERS, CLASS A, TYPE 1 15"	FOOT	1619	1619	
•	550A0090	STORM SEWERS, CLASS A, TYPE 1 18"	FOOT	193	193	
•	550A0120	STORM SEWERS, CLASS A, TYPE 1 24"	FOOT	1477	1477	
•	550A0140	STORM SEWERS, CLASS A, TYPE 1 30"	FOOT	137	137	
•	550A0340	STORM SEWERS, CLASS A, TYPE 2 12"	FOOT	200	200	
•	550A0360	STORM SEWERS, CLASS A, TYPE 2 15"	FOOT	20	20	
•	550A0380	STORM SEWERS, CLASS A, TYPE 2 18"	FOOT	396	396	
•	550A0410	STORM SEWERS, CLASS A, TYPE 2 24"	FOOT	266	266	
•	550A0430	STORM SEWERS, CLASS A, TYPE 2 30"	FOOT	78	78	
	55100500	STORM SEWER REMOVAL 12"	FOOT	135	135	
	55100700	STORM SEWER REMOVAL 15"	FOOT	149	149	
	55100900	STORM SEWER REMOVAL 18"	FOOT	83	83	
	55101200	STORM SEWER REMOVAL 24"	FOOT	44	44	
Δ •	56400500	FIRE HYDRANTS TO BE REMOVED	EACH	5	5	
Δ •	56400510	FIRE HYDRANT TO BE REMOVED AND REPLACED	EACH	3	3	
Δ •	56400820	FIRE HYDRANT WITH AUXILIARY VALVE AND VALVE BOX	EACH	6	6	
	59100100	GEOCOMPOSITE WALL DRAIN	SQ YD	155		155
	60107600	PIPE UNDERDRAINS 4"	FOOT	228	228	
•	60218400	MANHOLES, TYPE A, 4'-DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	14	14	
•	60219000	MANHOLES, TYPE A, 4'-DIAMETER, TYPE 8 GRATE	EACH	2	2	
•	60219300	MANHOLES, TYPE A, 4'-DIAMETER, TYPE 11 FRAME AND GRATE	EACH	1	1	
•	60220230	MANHOLES, TYPE A, 4'-DIAMETER, WITH SPECIAL FRAME AND GRATE	EACH	11	11	
•	60221100	MANHOLES, TYPE A, 5'-DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	5	5	

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ILLINOIS DEPARTMENT OF TRANSPORTATION

F.A.U. 2508 – DOUGLAS ROAD
(U.S. RTE 34 TO U.S. RTE 30)

SUMMARY OF QUANTITIES

SCALE: VERT.
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DATE

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F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2508	02-00039-00-PV	KENDALL	146	6
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

87333

	CODE NUMBER	PAY ITEM	UNIT	TOTAL	I000-2A QUANTITY	X023-2A QUANTITY
•	60221700	MANHOLES, TYPE A, 5'-DIAMETER, TYPE B GRATE	EACH	1	1	
•	60222930	MANHOLES, TYPE A, 5'-DIAMETER, WITH SPECIAL FRAME AND GRATE	EACH	3	3	
•	60223800	MANHOLES, TYPE A, 6'-DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	1	1	
•	60224005	MANHOLES, TYPE A, 6'-DIAMETER, TYPE B GRATE	EACH	1	1	
•	60224446	MANHOLES, TYPE A, 7'-DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	1	1	
	60236200	INLETS, TYPE A, TYPE B GRATE	EACH	3	3	
•	60238700	INLETS, TYPE A, WITH SPECIAL FRAME AND GRATE	EACH	2	2	
	60240301	INLETS, TYPE B, TYPE B GRATE	EACH	5	5	
•	60240385	INLETS, TYPE B, WITH SPECIAL FRAME AND GRATE	EACH	42	42	
•	60255800	MANHOLES TO BE ADJUSTED WITH NEW TYPE 1 FRAME, CLOSED LID	EACH	1	1	
•	60260050	SANITARY MANHOLES TO BE RECONSTRUCTED	EACH	2	2	
	60260400	INLETS TO BE ADJUSTED WITH NEW TYPE 1 FRAME, CLOSED LID	EACH	1	1	
	60265700	VALVE VAULTS TO BE ADJUSTED	EACH	7	7	
	60266600	VALVE BOXES TO BE ADJUSTED	EACH	1	1	
•	60500040	REMOVING MANHOLES	EACH	2	2	
•	60500060	REMOVING INLETS	EACH	5	5	
	60605000	COMBINATION CONCRETE CURB AND GUTTER, TYPE B6.24	FOOT	13608	13608	
	60619600	CONCRETE MEDIAN, TYPE SB-6.12	SQ FT	6827	6827	
	67000400	ENGINEER'S FIELD OFFICE, TYPE A	CAL MO	23	23	
	67000600	ENGINEER'S FIELD LABORATORY	CAL MO	23	23	
	67100100	MOBILIZATION	L SUM	1	1	
•	70101800	TRAFFIC CONTROL AND PROTECTION (SPECIAL)	L SUM	1	1	
	70103815	TRAFFIC CONTROL SURVEILLANCE	CAL DA	600	600	
•	70106800	CHANGEABLE MESSAGE SIGN	CAL MO	23	23	
	70300210	TEMPORARY PAVEMENT MARKING LINE - LETTERS AND SYMBOLS	SQ FT	1040	1040	
	70300220	TEMPORARY PAVEMENT MARKING LINE - 4"	FOOT	66997	66997	
	70300240	TEMPORARY PAVEMENT MARKING - 6"	FOOT	9539	9539	
	70300250	TEMPORARY PAVEMENT MARKING LINE - 8"	FOOT	3110	3110	
	70300260	TEMPORARY PAVEMENT MARKING LINE - 12"	FOOT	2994	2994	
	70300280	TEMPORARY PAVEMENT MARKING LINE - 24"	FOOT	963	963	
	70300510	PAVEMENT MARKING TAPE, TYPE III - LETTERS AND SYMBOLS	SQ FT	94	94	
	70300520	PAVEMENT MARKING TAPE, TYPE III 4"	FOOT	1440	1440	
	70300540	PAVEMENT MARKING TAPE, TYPE III 6"	FOOT	1073	1073	
	70300570	PAVEMENT MARKING TAPE, TYPE III 24"	FOOT	78	78	
•	70301000	WORK ZONE PAVEMENT MARKING REMOVAL	SQ FT	22504	22504	
	70400100	TEMPORARY CONCRETE BARRIER	FOOT	400		400
	70400200	RELOCATE TEMPORARY CONCRETE BARRIER	FOOT	400		400
	72000100	SIGN PANEL TYPE 1	SQ FT	55	55	
	72000200	SIGN PANEL TYPE 2	SQ FT	148	148	

		CODE NUMBER	PAY ITEM	UNIT	TOTAL	I000-2A QUANTITY	X023-2A QUANTITY
		72400600	RELOCATE SIGN PANEL ASSEMBLY - TYPE B	EACH	1	1	
△	•	78000100	THERMOPLASTIC PAVEMENT MARKING LINE - LETTERS AND SYMBOLS	SQ FT	697	697	
△	•	78000200	THERMOPLASTIC PAVEMENT MARKING LINE - 4"	FOOT	18429	18429	
△	•	78000400	THERMOPLASTIC PAVEMENT MARKING LINE - 6"	FOOT	1494	1494	
△	•	78000500	THERMOPLASTIC PAVEMENT MARKING LINE - 8"	FOOT	3110	3110	
△	•	78000600	THERMOPLASTIC PAVEMENT MARKING LINE - 12"	FOOT	2994	2994	
△	•	78000650	THERMOPLASTIC PAVEMENT MARKING LINE - 24"	FOOT	658	658	
△		78100100	RAISED REFLECTIVE PAVEMENT MARKER	EACH	615	615	
△	•	78300100	PAVEMENT MARKING REMOVAL	SQ FT	15044	15044	
△		81000300	CONDUIT IN TRENCH, 1" DIA., GALVANIZED STEEL	FOOT	2227	2227	
△		81000600	CONDUIT IN TRENCH, 2" DIA., GALVANIZED STEEL	FOOT	2938	2938	
△		81000700	CONDUIT IN TRENCH, 2 1/2" DIA., GALVANIZED STEEL	FOOT	167	167	
△		81001000	CONDUIT IN TRENCH, 4" DIA., GALVANIZED STEEL	FOOT	582	582	
△	•	81018200	CONDUIT PUSHED, 1" DIA., GALVANIZED STEEL	FOOT	293	293	
△	•	81018500	CONDUIT PUSHED, 2" DIA., GALVANIZED STEEL	FOOT	62	62	
△	•	81018600	CONDUIT PUSHED, 2 1/2" DIA., GALVANIZED STEEL	FOOT	20	20	
△	•	81018900	CONDUIT PUSHED, 4" DIA., GALVANIZED STEEL	FOOT	1092	1092	
△	•	81400100	HANDHOLE	EACH	19	19	
△	•	81400300	DOUBLE HANDHOLE	EACH	4	4	
△		81900200	TRENCH AND BACKFILL FOR ELECTRICAL WORK	FOOT	5228	5228	
△		85000200	MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	4	4	
△	•	85700205	FULL-ACTUATED CONTROLLER AND TYPE IV CABINET, SPECIAL	EACH	3	3	
	△	86200300	UNINTERRUPTABLE POWER SUPPLY, EXTENDED	EACH	6	6	
△		86400100	TRANSCEIVER - FIBER OPTIC	EACH	3	3	
△		87301215	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C	FOOT	1266	1266	
△		87301225	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C	FOOT	2719	2719	
△		87301245	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	3990	3990	
△		87301255	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	4109	4109	
△		87301305	ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 14 1 PAIR	FOOT	10183	10183	
△		87301805	ELECTRIC CABLE IN CONDUIT, SERVICE, NO. 6, 2C	FOOT	150	150	
△		87502440	TRAFFIC SIGNAL POST, GALVANIZED STEEL 10 FT.	EACH	1	1	
△		87502490	TRAFFIC SIGNAL POST, GALVANIZED STEEL 15 FT.	EACH	1	1	
△		87502500	TRAFFIC SIGNAL POST, GALVANIZED STEEL 16 FT.	EACH	3	3	
△		87700200	STEEL MAST ARM ASSEMBLY AND POLE, 32 FT.	EACH	1	1	
△		87700240	STEEL MAST ARM ASSEMBLY AND POLE, 40 FT.	EACH	1	1	
△		87700250	STEEL MAST ARM ASSEMBLY AND POLE, 42 FT.	EACH	1	1	
△		87700260	STEEL MAST ARM ASSEMBLY AND POLE, 44 FT.	EACH	3	3	
△		87700280	STEEL MAST ARM ASSEMBLY AND POLE, 48 FT.	EACH	1	1	
△		87700300	STEEL MAST ARM ASSEMBLY AND POLE, 52 FT.	EACH	1	1	

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ILLINOIS DEPARTMENT OF TRANSPORTATION

F.A.U. 2508 – DOUGLAS ROAD
(U.S. RTE 34 TO U.S. RTE 30)

SUMMARY OF QUANTITIES

SCALE: VERT.
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F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2508	02-00039-00-PV	KENDALL	146	7
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

87333

		CODE NUMBER	PAY ITEM	UNIT	TOTAL	I000-2A QUANTITY	X023-2A QUANTITY
△		87702450	STEEL MAST ARM ASSEMBLY AND POLE WITH DUAL MAST ARMS, 30 FT. AND 38 FT.	EACH	1	1	
△		87800100	CONCRETE FOUNDATION, TYPE A	FOOT	20	20	
△		87800150	CONCRETE FOUNDATION, TYPE C	FOOT	12	12	
△		87800415	CONCRETE FOUNDATION, TYPE E 36-INCH DIAMETER	FOOT	132	132	
△		87900200	DRILL EXISTING HANDHOLE	EACH	3	3	
△	•	88040070	SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED	EACH	6	6	
△	•	88040090	SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 3-SECTION, MAST ARM MOUNTED	EACH	11	11	
△	•	88040150	SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 5-SECTION, BRACKET MOUNTED	EACH	2	2	
△	•	88040160	SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 5-SECTION, MAST ARM MOUNTED	EACH	15	15	
△	•	88102710	PEDESTRIAN SIGNAL HEAD, LED, 1-FACE, BRACKET MOUNTED	EACH	5	5	
△	•	88102718	PEDESTRIAN SIGNAL HEAD, LED, 1-FACE, POST MOUNTED	EACH	2	2	
△		88200410	TRAFFIC SIGNAL BACKPLATE, LOUVERED, FORMED PLASTIC	EACH	40	40	
△	•	88500100	INDUCTIVE LOOP DETECTOR	EACH	60	60	
△		88600100	DETECTOR LOOP, TYPE I	FOOT	7055	7055	
△		88700200	LIGHT DETECTOR	EACH	10	10	
△		88700300	LIGHT DETECTOR AMPLIFIER	EACH	5	5	
△		88800100	PEDESTRIAN PUSH-BUTTON	EACH	7	7	
△		89000100	TEMPORARY TRAFFIC SIGNAL INSTALLATION	EACH	4	4	
△		89502200	MODIFY EXISTING CONTROLLER	EACH	3	3	
△		89502300	REMOVE ELECTRIC CABLE FROM CONDUIT	FOOT	2236	2236	
△		89502375	REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	3	3	
△		89502380	REMOVE EXISTING HANDHOLE	EACH	3	3	
	•	X0322256	TEMPORARY INFORMATION SIGNING	SQ FT	300	300	
△		X0322925	ELECTRIC CABLE IN CONDUIT, TRACER, NO. 14 1C	FOOT	2419	2419	
	•	X0323330	PRECAST CONCRETE SUBSTRUCTURE	L SUM	1		1
	•	X0323819	NOISE ABATEMENT WALL, PRECAST CONCRETE	SQ FT	45026		45026
△	•	X0323841	WATERMAIN LINE STOP, 8"	EACH	1	1	
	•	X0323988	TEMPORARY SOIL RETENTION SYSTEM	SQ FT	1046		1046
	•	X0324450	SEGMENTAL CONCRETE BLOCK WALL, SPECIAL	SQ FT	3530		3530
△	•	X0324915	RELOCATE LIGHTING UNITS AND POLES	EACH	2	2	
	•	X0325680	HMA SIDEWALK	SQ FT	28046.5	28046.5	
	•	X0712400	TEMPORARY PAVEMENT	SQ YD	3677	3677	
	•	X0919000	TEMPORARY PAVEMENT REMOVAL	SQ YD	3677	3677	
	•	X4403300	CONCRETE MEDIAN REMOVAL	SQ FT	547	547	
△	•	X8050010	SERVICE INSTALLATION - GROUND MOUNTED	EACH	3	3	
△	•	X8710020	FIBER OPTIC CABLE IN CONDUIT, NO. 62.5/125, MM12F SM12F	FOOT	2419	2419	
△		X8730027	ELECTRIC CABLE IN CONDUIT, GROUNDING, NO. 6 1C	FOOT	1789	1789	
△		X8730250	ELECTRIC CABLE IN CONDUIT, NO. 20 3C, TWISTED SHIELDED	FOOT	1485	1485	
	•	XX000714	FENCE TO BE REMOVED AND RE-ERECTED	FOOT	36	36	

		CODE NUMBER	PAY ITEM	UNIT	TOTAL	I000-2A QUANTITY	X023-2A QUANTITY
	•	XX001018	REMOVAL AND REPLACEMENT OF CONCRETE DRIVEWAY	SQ YD	26	26	
	•	XX001047	VALVE VAULTS TO BE ABANDONED	EACH	4	4	
	•	XX001306	SIDEWALK REMOVAL AND REPLACEMENT	SQ FT	270	270	
△	•	XX002856	RE-OPTIMIZE TRAFFIC SIGNAL SYSTEM	L SUM	1	1	
△	•	XX003516	CONNECTIONS TO EXISTING WATER MAINS (NON-PRESSURE) - 8"	EACH	1	1	
		XX003551	THREE SIDED PRECAST CONCRETE STRUCTURE	FOOT	93		93
	•	XX003560	CURB AND GUTTER REMOVAL AND REPLACEMENT	FOOT	30	30	
△	•	XX004771	TREE, ULMUS CARPINIFOLIA (ACCOLADE ELM), 2" CALIPER, BALLED AND BURLAPPED	EACH	6	6	
△	•	XX005107	CONNECTIONS TO EXISTING WATER MAINS (NON-PRESSURE) - 12"	EACH	1	1	
		XX005924	TEMPORARY RAMP REMOVAL	SQ YD	34	34	
	•	XX005963	ANTI-GRAFFITI COATING	SQ FT	79130	79130	
△	•	A2000116	TREE, ACER X FREEMANII AUTUMN BLAZE (AUTUMN BLAZE FREEMAN MAPLE), 2" CALIPER, BALLED AND BURLAPPED	EACH	8	8	
△	•	A2001716	TREE, ACER SACCHARUM (SUGAR MAPLE), 2" CALIPER, BALLED AND BURLAPPED	EACH	4	4	
△	•	A2002916	TREE, CELTIS OCCIDENTALIS (COMMON HACKBERRY), 2" CALIPER, BALLED AND BURLAPPED	EACH	4	4	
△	•	A2006416	TREE, QUERCUS ALBA (WHITE OAK), 2" CALIPER, BALLED AND BURLAPPED	EACH	4	4	
△	•	A2006716	TREE, QUERCUS MACROCARPA (BUR OAK), 2" CALIPER, BALLED AND BURLAPPED	EACH	4	4	
△	•	D2002960	EVERGREEN, PINUS STROBUS (EASTERN WHITE PINE), 5' HEIGHT, BALLED AND BURLAPPED	EACH	6	6	
	•	Z0022800	FENCE REMOVAL	FOOT	807	807	
△	•	Z0045100	PRESSURE CONNECTION 12" x 12"	EACH	2	2	
	+	Z0076600	TRAINEES	HOUR	2500	2500	
△		XX007086	STEEL MAST ARM ASSEMBLY AND POLE WITH DUAL MAST ARMS, 40 FT. AND 48 FT.	EACH	1	1	
△	•	XX007087	DUCTILE IRON WATER MAIN, CL.52, 12"	FOOT	1542	1542	
△	•	XX007088	HORIZONTAL DIRECTIONAL DRILL HDPE WATER MAIN, DR11, 14⅜" DIAMETER	FOOT	350	350	
△	•	XX007089	VALVE VAULT, 4' DIAMETER WITH 8" VALVE	EACH	2	2	
△	•	XX007090	VALVE VAULT, 5' DIAMETER WITH 12" VALVE	EACH	5	5	

• = SPECIAL PROVISION
△ = SPECIALTY ITEM
+ = Y080

PLAN: DATE | BY | SURVEYED | PLOTTED | ALIGNMENT CHECKED | R/W OF WAY CHECKED | CADD FILE NAME | NOTE BOOK | NO.

PROFILE: SURVEYED | PLOTTED | GRADES CHECKED | B.M. NOTED | STRUCTURE NOTATIONS CHKD | NOTE BOOK | NO.

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ILLINOIS DEPARTMENT OF TRANSPORTATION

F.A.U. 2508 – DOUGLAS ROAD
(U.S. RTE 34 TO U.S. RTE 30)

SUMMARY OF QUANTITIES

SCALE: VERT. HORIZ. | DRAWN BY
DATE | CHECKED BY

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2508	02-00039-00-PV	KENDALL	146	8
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

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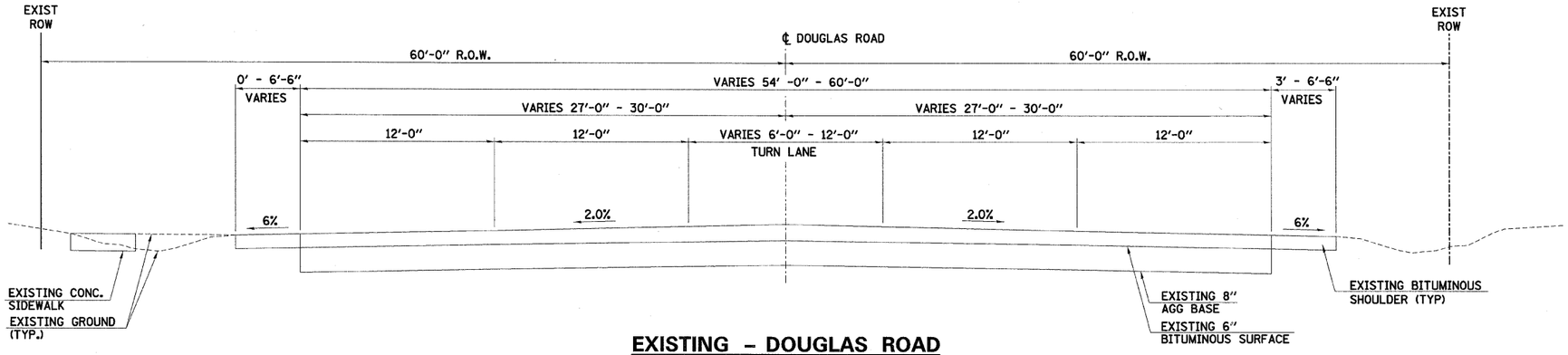
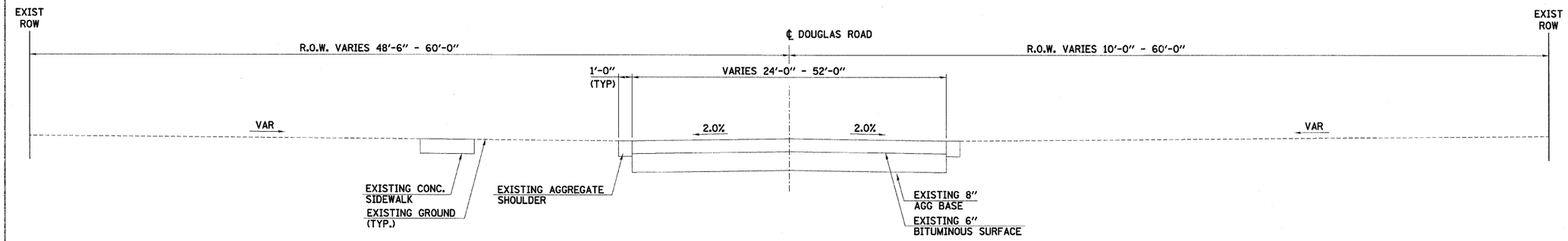
PLAN — DATE / BY / SURVEYED / PLOTTED / DRAWN / CHECKED / ALIGNMENT CHECKED / RT. OF WAY CHECKED / CADD FILE NAME / NOTE BOOK / NO.



EXISTING – DOUGLAS ROAD

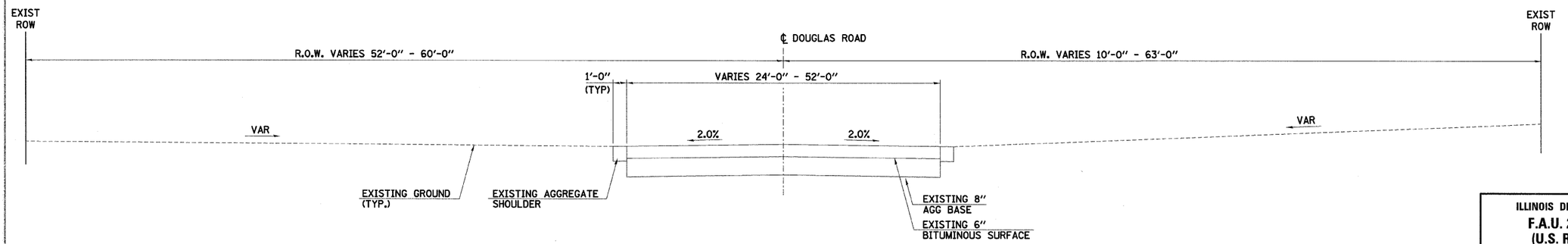
STA 19+45.00 TO STA 34+98.00



EXISTING – DOUGLAS ROAD

STA 34+98.00 TO STA 35+87.00
STA 42+08.00 TO STA 71+31.00

PROFILE — SURVEYED / PLOTTED / DRAWN / CHECKED / ALIGNMENT CHKD / R.O.W. NOTED / STRUCTURE NOTATNS CHKD / NOTE BOOK / NO.



EXISTING – DOUGLAS ROAD

SUPERELEVATION
STA 35+87.00 TO STA 42+08.00

ILLINOIS DEPARTMENT OF TRANSPORTATION

F.A.U. 2508 – DOUGLAS ROAD (U.S. RTE 34 TO U.S. RTE 30)

TYPICAL SECTIONS EXISTING

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F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2508	02-00039-00-PV	KENDALL	146	9
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

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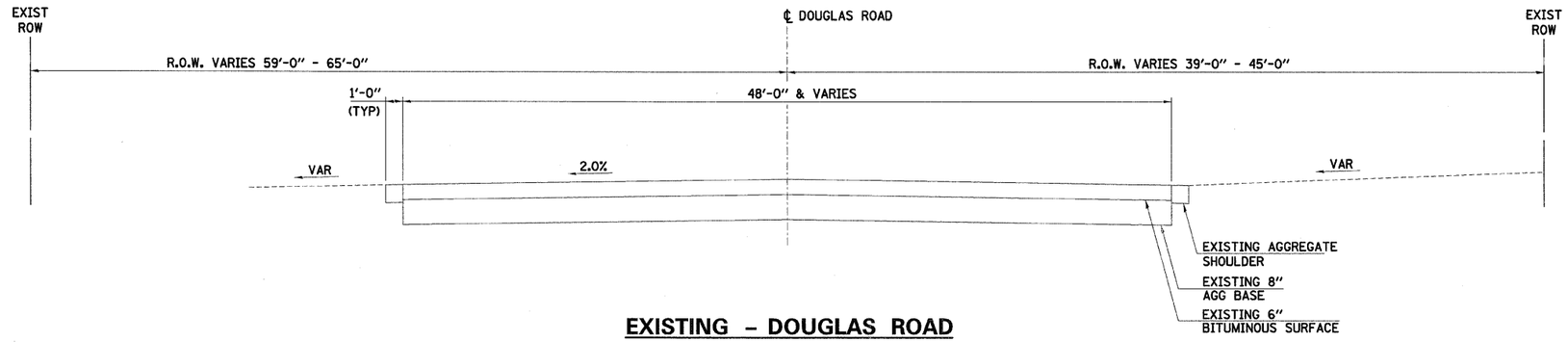
PLAN
NOTE BOOK
NO.
SURVEYED
PLOTTED
LEVELS CHECKED
RT. OF WAY CHECKED
CADD FILE NAME
BY
DATE



EXISTING – DOUGLAS ROAD

STA 71+31.00 TO STA 75+46.00

PROFILE
NOTE BOOK
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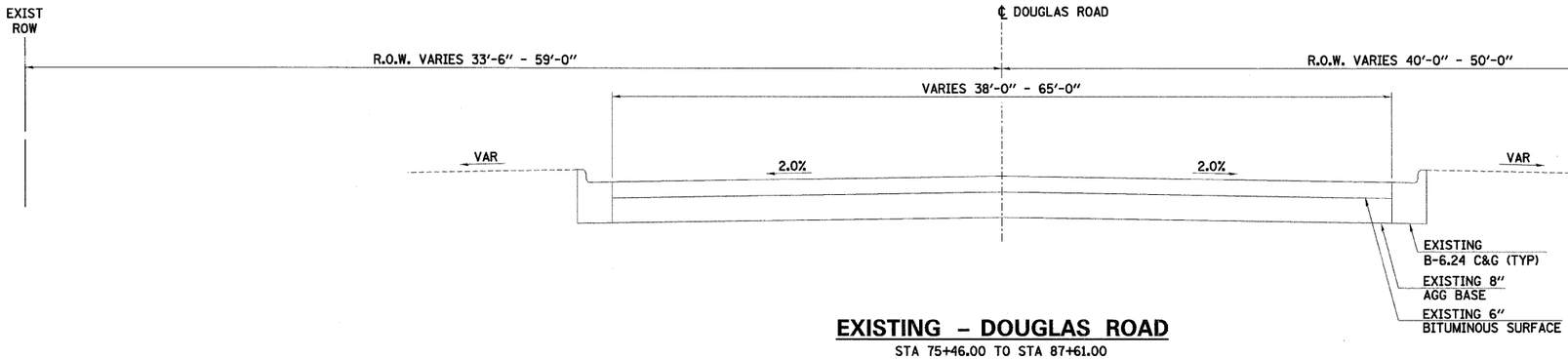
SURVEYED
PLOTTED
LEVELS CHECKED
RT. OF WAY CHECKED
CADD FILE NAME
STRUCTURE NOTATIONS CHKD
BY
DATE



EXISTING – DOUGLAS ROAD

STA 75+46.00 TO STA 87+61.00

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ILLINOIS DEPARTMENT OF TRANSPORTATION

F.A.U. 2508 – DOUGLAS ROAD (U.S. RTE 34 TO U.S. RTE 30)

TYPICAL SECTIONS EXISTING

SCALE: VERT.
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DATE

DRAWN BY
CHECKED BY

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2508	02-00039-00-PV	KENDALL	146	10
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

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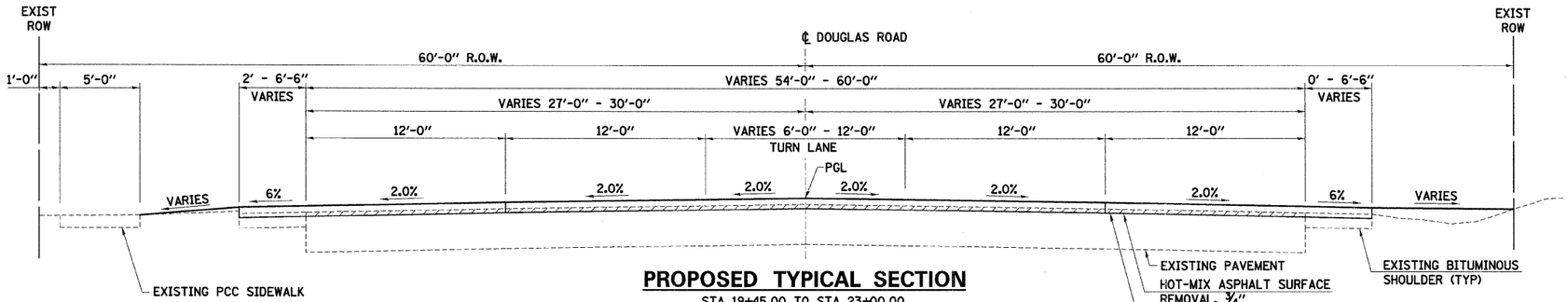
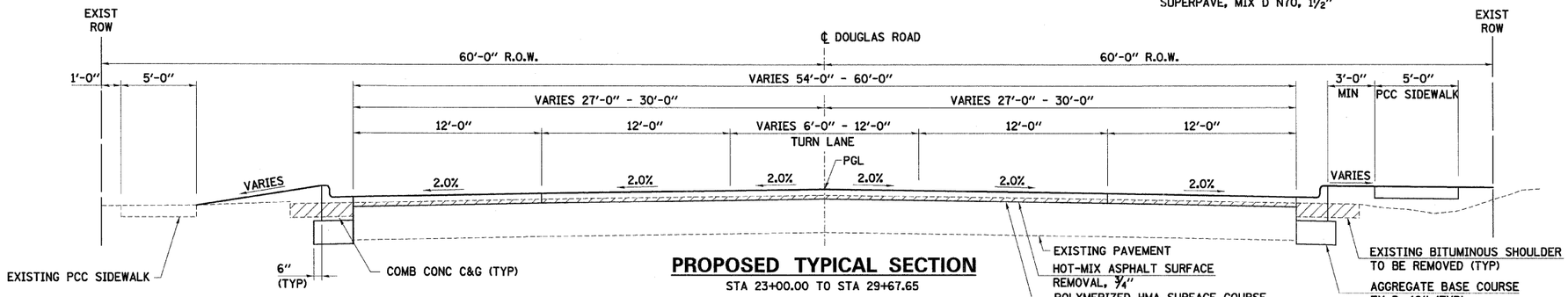


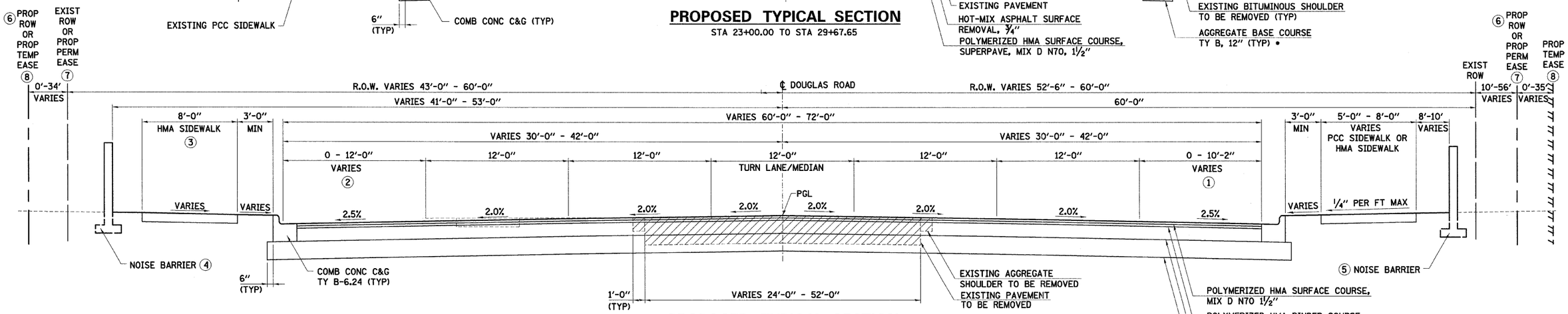
PROPOSED TYPICAL SECTION

STA 19+45.00 TO STA 23+00.00



PROPOSED TYPICAL SECTION

STA 23+00.00 TO STA 29+67.65



PROPOSED TYPICAL SECTION

STA 29+67.65 TO STA 35+87.00
STA 42+08.00 TO STA 71+31.00

① RIGHT TURN LANE
STA 29+73 RT TO 33+22 RT
STA 43+80 RT TO 46+33 RT

② RIGHT TURN LANE
STA 66+90 LT TO 69+70 LT

③ HMA SIDEWALK
STA 43+28 LT TO 53+92 LT

④ NOISE BARRIER
STA 54+69 LT TO 65+75 LT
STA 67+02 LT TO 71+31 LT

⑤ NOISE BARRER
STA 54+34 RT TO 65+66 RT
STA 67+14.5 RT TO 71+31 RT

⑥ PROPOSED R.O.W.
STA 42+08 RT TO 46+15 RT
STA 44+77 LT TO 46+56 LT
STA 47+14 RT TO 52+00 RT
STA 66+62 LT TO 68+47 LT
STA 70+78 RT TO 71+31 RT

⑦ PROPOSED PERMANENT EASEMENT
STA 44+18 RT TO 46+15 RT
STA 44+77 LT TO 46+57 LT

⑧ PROPOSED TEMPORARY EASEMENT
STA 44+82 LT TO 46+60 LT
STA 53+50 LT TO 53+94 LT

PIPE UNDERDRAIN 4"

STA. 44+70, 0.0' LT TO STA. 44+70, 32.5' LT
STA. 44+70, 0.0' RT TO STA. 44+70, 41.8' RT
STA. 68+70, 0.0' LT TO STA. 68+70, 41.6' LT
STA. 68+70, 0.0' RT TO STA. 68+70, 32.5' RT
STA. 70+40, 0.0' LT TO STA. 70+40, 32.5' LT
STA. 70+40, 0.0' RT TO STA. 70+40, 32.5' RT

• AGGREGATE BASE COURSE, TYPE B SHALL BE 12 " EXCEPT AS LISTED BELOW:
STA. 40+90 TO STA. 44+70 14"
STA. 68+68 TO STA. 71+68 18"

MIX DESIGN

	POLYMERIZED HMA SURFACE (FULL DEPTH)	POLYMERIZED HMA BINDER (FULL DEPTH)	HMA SURFACE COURSE	HMA BASE COURSE	HMA SHOULDERS	HMA LOW EASAL SIDEWALK	
						BINDER	SURFACE
PG GRADE	SBS PG64-28	SBS PG64-28	PG64-22	PG58-22	PG58-22	PG58-22	PG58-22
MAX % RAP ALLOWABLE••	10%	10%	10%	25%	50%	50%	50%
DESIGN AIR VOIDS	4.0% @ N70	4.0% @ N70	4.0% @ N50	4.0% @ N50	2.0% @ N50	4.0% @ N30	3.0% @ N30
MIXTURE COMPOSITION	IL 12.5 OR IL 9.5	IL 19.0	IL 12.5 OR IL 19.0	IL 19.0	BAM	IL 19.0 L	IL 9.5 L
FRICTION AGGREGATE	MIXTURE D		MIXTURE D				MIXTURE C
DENSITY CONTROL METHOD	CORRELATION	CORRELATION	CORRELATION	•	•		

• MATERIAL SHALL BE COMPACTED TO 93.0-97.4 PERCENT OF THE MAXIMUM THEORETICAL DENSITY, EXCEPT ON FIRST LIFT ON AN UN-IMPROVED SUBGRADE SHALL BE COMPACTED TO A MINIMUM OF 92.0 PERCENT. THE MAXIMUM THEORETICAL DENSITY SHALL BE DETERMINED FROM THE MOVING AVERAGE AS SPECIFIED IN THE QA/QC SPECIFICATIONS.

•• IF RAP OPTION IS USED, THE GRADE OF ASPHALT CEMENT MAY NEED TO BE ADJUSTED. THIS WILL BE DETERMINED BY THE ENGINEER.

ILLINOIS DEPARTMENT OF TRANSPORTATION

F.A.U. 2508 – DOUGLAS ROAD (U.S. RTE 34 TO U.S. RTE 30)

TYPICAL SECTIONS PROPOSED

SCALE: VERT. HORIZ. DRAWN BY
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F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2508	02-00039-00-PV	KENDALL	146	11
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

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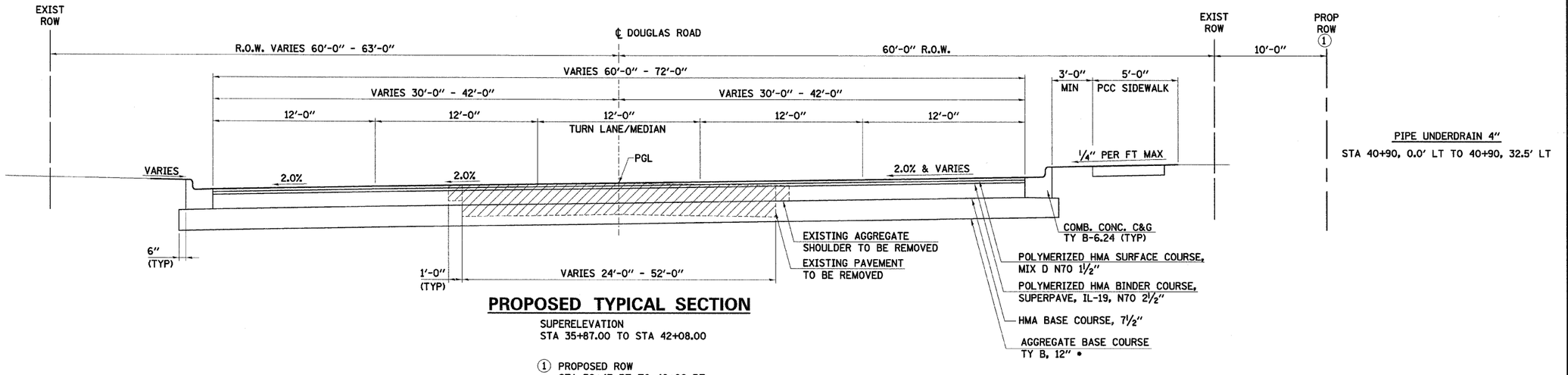
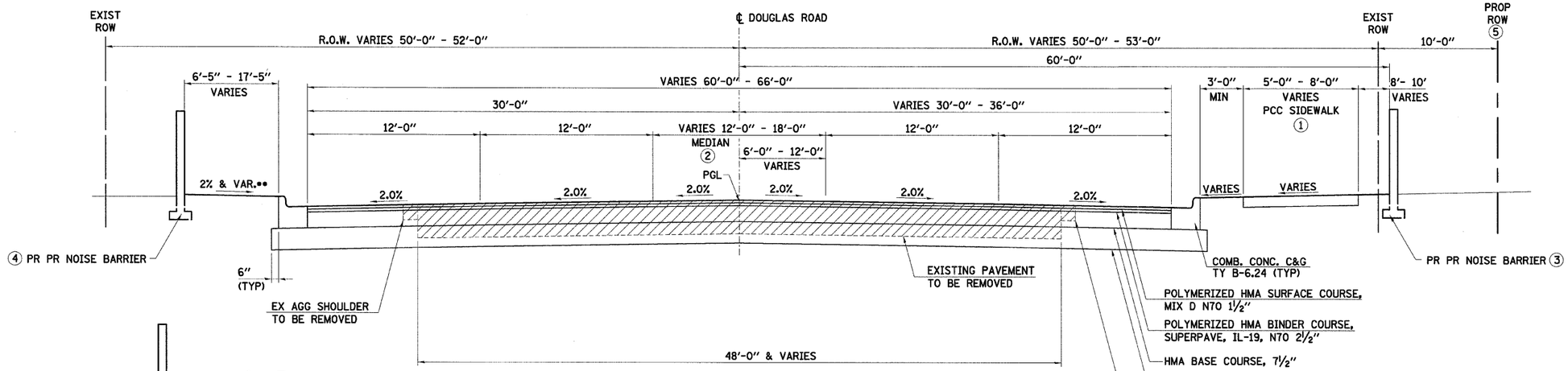


PROPOSED TYPICAL SECTION

SUPERELEVATION
STA 35+87.00 TO STA 42+08.00

(1) PROPOSED ROW
STA 39+47 RT TO 42+08 RT



PROPOSED TYPICAL SECTION

STA 71+31.00 TO STA 75+46.00

(1) PCC SIDEWALK
STA 71+31 RT TO 75+46 RT

(2) MEDIAN = 18′
STA 71+73.00 TO 75+46.00

(3) PR PR NOISE BARRIER
STA. 71+31 RT TO 74+50.5 RT

(4) PR PR NOISE BARRIER
STA. 71+31 LT TO 75+46 LT

(5) PROPOSED ROW
STA 71+31 RT TO 74+65 RT
STA 75+31 RT TO 75+46 RT

•• SHALLOW DITCH - STA. 73+00 TO STA. 75+50

NOTE:
FILL HEIGHT AT NOISE WALL SHALL NOT EXCEED 3′.

• AGGREGATE BASE COURSE, TYPE B SHALL BE 12 ″ EXCEPT AS LISTED BELOW:

STA. 41+50 TO STA. 44+50	14″
STA. 68+68 TO STA. 71+68	18″

PROFILE — DATE / BY / SURVEYED / PLOTTED / DRAWN BY / GRADES CHECKED / STRUCTURE NOTATIONS CHKD / NOTE BOOK / NO.

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ILLINOIS DEPARTMENT OF TRANSPORTATION

F.A.U. 2508 – DOUGLAS ROAD (U.S. RTE 34 TO U.S. RTE 30)

TYPICAL SECTIONS PROPOSED

SCALE: VERT. HORIZ.
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F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2508	02-00039-00-PV	KENDALL	146	12
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

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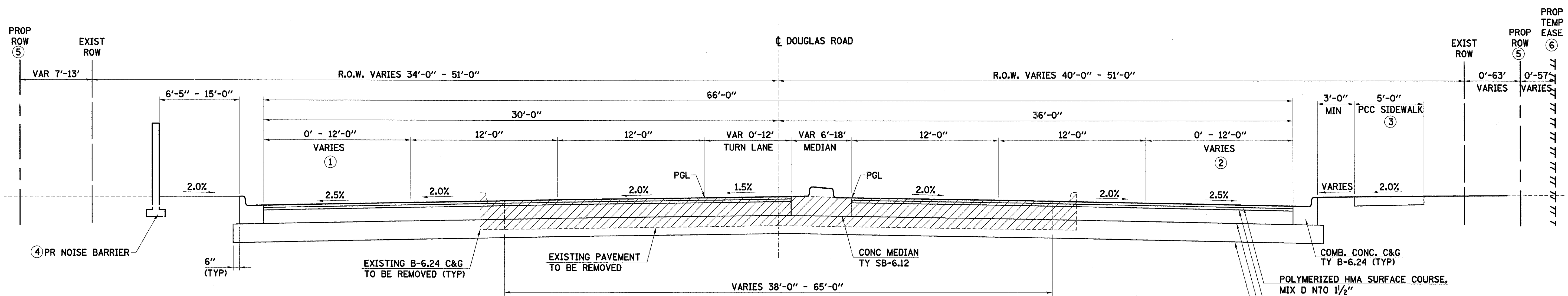

PROPOSED TYPICAL SECTION

STA 75+46.00 TO STA 87+61.00

① RIGHT TURN LANE
STA 80+70 LT TO 83+83 LT

② RIGHT TURN LANE
STA 80+76 RT TO 82+94 RT

③ PCC SIDEWALK
STA 75+46 RT TO 79+88 RT

④ PR NOISE BARRIER
STA 75+46 LT TO 79+59 LT

⑤ PROPOSED R.O.W.
STA 79+50 RT TO 84+14 RT
STA 80+73 LT TO 84+06 LT
STA 85+29 LT TO 85+50 LT

⑥ PRPOSED TEMPORARY EASEMENT
STA 76+92 RT TO 77+57 RT
STA 79+82 RT TO 87+37 RT

ILLINOIS DEPARTMENT OF TRANSPORTATION
F.A.U. 2508 – DOUGLAS ROAD
(U.S. RTE 34 TO U.S. RTE 30)

TYPICAL SECTIONS PROPOSED

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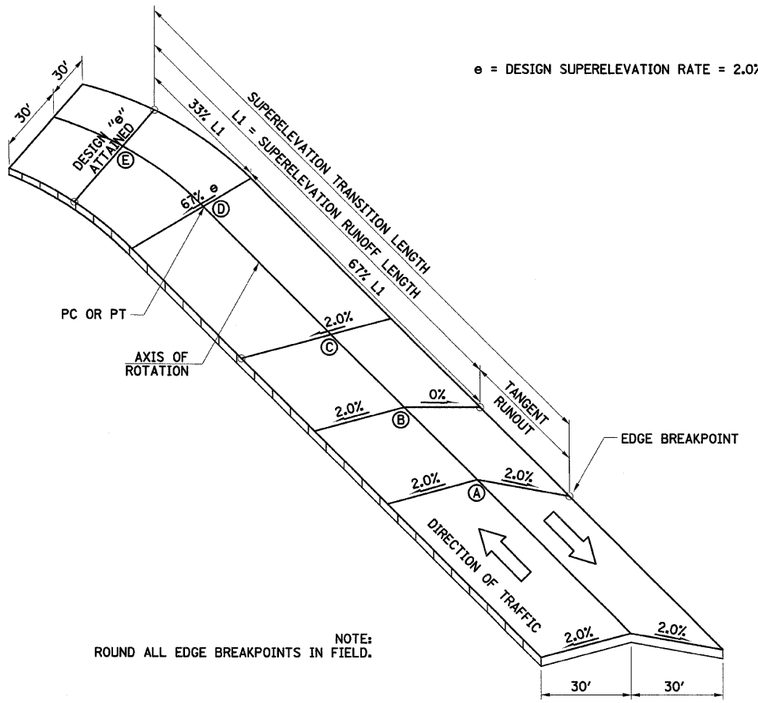
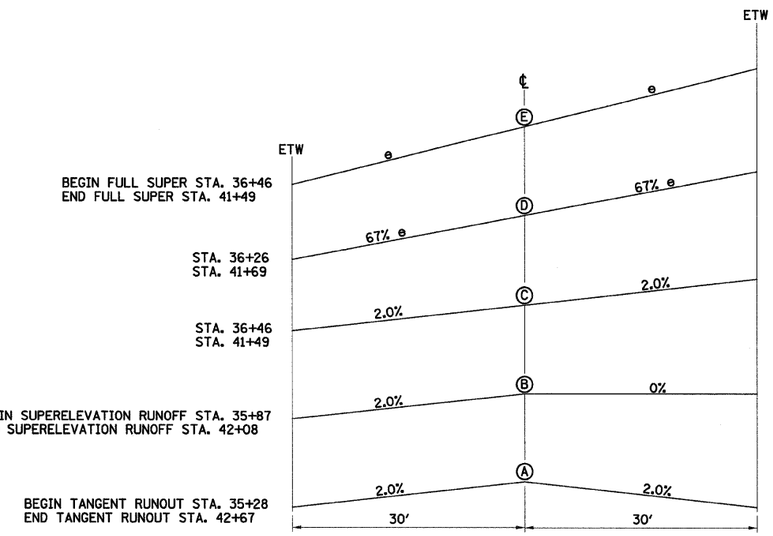
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2508	02-00039-00-PV	KENDALL	146	13
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

87333

Douglas Road (STA. 35+27.83 TO STA. 40+70.57)



NOTE:
ROUND ALL EDGE BREAKPOINTS IN FIELD.



NOTE:
WITH A DESIGN SUPERELEVATION RATE OF 2.0%, LOCATIONS "C" AND "E" ARE THE SAME AND LOCATION "D" ONLY APPLIES TO THE HIGH SIDE.

ILLINOIS DEPARTMENT OF TRANSPORTATION

F.A.U. 2508 – DOUGLAS ROAD
(U.S. RTE 34 TO U.S. RTE 30)

SUPERELEVATION TRANSITION DETAILS

SCALE: VERT.
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F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2508	02-00039-00-PV	KENDALL	146	14
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

87333

28000300 TEMPORARY DITCH CHECKS

EACH	LOCATION
1	21+50, 40' LT
1	21+50, 41.5' RT
1	25+00, 44.4' LT
1	26+50, 41.8' LT
1	29+50, 41.9 LT
1	31+50, 41.9' LT
1	34+50, 44' LT
1	35+50, 46' RT
1	37+50, 44.3' LT
1	37+50, 45.9' RT
1	40+00, 46' RT
1	40+50, 41' LT
12	TOTAL

28000400 PERIMETER EROSION BARRIER

FOOT	LOCATION
323	43+62 LT TO 46+60 LT
323	47+15 RT TO 50+00 RT
200	50+00 RT TO 52+00 RT
293	51+00 LT TO 53+94 LT
25	52+00 RT TO 52+00 RT
130	52+00 RT TO 53+70 RT
83	53+70 RT TO 54+34 RT
421	80+57 LT TO 83+87 LT
1798	TOTAL

28000500 INLET AND PIPE PROTECTION

EACH	LOCATION
1	22+50, 42' LT
1	22+50, 43' RT
1	23+75, 45' LT
1	33+00, 43' LT
1	34+00, 44' RT
1	39+00, 45.9' LT
1	39+00, 47.6' RT
1	41+00, 43.1' RT
1	46+00, 55' RT
1	50+01, 57.8' RT
1	75+50, 44.9' LT
1	80+75, 49' RT
1	84+25, 51.9' RT
13	TOTAL

28000510 INLET FILTERS

EACH	LOCATION
1	23+18, 107' LT
1	23+42, 36.4' LT
1	25+10, 29.4' LT
1	25+10, 29.9' RT
1	30+75, 37' RT
1	31+00, 30' LT
1	32+05, 42.9' RT
1	33+11, 30.8' LT
1	33+30, 51.9' RT
1	33+66, 56.6' RT
1	34+05, 30.8' LT
1	34+05, 30.9' RT
1	38+50, 30.8' LT
1	39+58, 30.9' LT
1	40+90, 30.9' LT
1	42+08, 30.9' RT
1	44+70, 30.8' LT
1	44+70, 40.1' RT
1	45+90, 30.8' LT
1	45+90, 42.9' RT
1	47+47, 30.8' LT
1	47+47, 30.9' RT
1	51+42, 30.8' LT
1	53+00, 30.9' RT
1	54+59, 41.2' LT
1	55+00, 30.8' LT
1	55+00, 30.9' RT
1	60+20, 30.8' LT
1	60+20, 30.9' RT
1	62+05, 30.8' LT
1	62+05, 30.9' RT
1	63+90, 30.8' LT
1	63+90, 30.9' RT
1	65+66, 30.8' LT
1	65+66, 30.9' RT
1	67+00, 42.8' LT
1	67+12, 30.9' RT
1	68+70, 30.9' RT
1	68+70, 39.9' LT
1	70+40, 30.8' LT
1	70+40, 30.9' RT
1	72+10, 30.8' LT
1	72+10, 32.8' RT
1	76+65, 30.8' LT
1	76+65, 36.9' RT
1	78+35, 30.8' LT
1	78+35, 36.9' RT
1	79+50, 36.9' RT
1	80+42, 49.5' RT
1	80+88, 39.2' RT
1	81+05, 41.8' LT
1	82+55, 41.8' LT
1	82+55, 48.9' RT
1	83+81, 51.8' RT
1	84+20, 36.9' RT

56400500 FIRE HYDRANTS TO BE REMOVED

EACH	LOCATION
1	42+66, 42' RT
1	46+15, 48.5' RT
1	50+26, 40' RT
1	54+32, 40.5' RT
1	57+95, 37.5' RT
5	TOTAL

56400510 FIRE HYDRANT TO BE REMOVED AND REPLACED

EACH	LOCATION
1	61+25, 37.5' RT
1	69+50, 37.5' RT
1	73+00, 42' RT
3	TOTAL

56400820 FIRE HYDRANT WITH AUXILIARY VALVE AND VALVE BOX

EACH	LOCATION
1	40+59, 37.5' RT
1	43+75, 37.5' RT
1	47+40, 37.5' RT
1	51+00, 46' RT
1	54+50, 37.5' RT
1	57+50, 37.5' RT
6	TOTAL

60260050 SANITARY MANHOLES TO BE RECONSTRUCTED

EACH	LOCATION
1	48+87, 42' RT
1	48+83, 54' LT
2	TOTAL

60265700 VALVE VAULTS TO BE ADJUSTED

EACH	LOCATION
1	54+33, 39' LT
1	59+30, 48.5' RT
1	74+68, 54' RT
1	75+20, 45' RT
1	83+00, 61.5' RT
1	83+66, 62.5' RT
1	84+80, 32' LT
7	TOTAL

60266600 VALVE BOXES TO BE ADJUSTED

EACH	LOCATION
1	77+46, 44' RT
1	TOTAL

XX003516 CONNECTIONS TO EXISTING WATER MAINS (NON-PRESSURE) - 8"

EACH	LOCATION
1	47+15, 71' RT
1	TOTAL

XX005107 CONNECTIONS TO EXISTING WATER MAINS (NON-PRESSURE) - 12"

EACH	LOCATION
1	42+78, 46' LT
1	TOTAL

X0324915 RELOCATE LIGHTING UNITS AND POLES

EACH	LOCATION
1	31+02, 37' RT
1	42+72, 37' RT
2	TOTAL

XX000714 FENCE TO BE REMOVED AND RE-ERECTED

FOOT	LOCATION
36	502+65 RT TO 502+90 RT
36	TOTAL

XX001047 VALVE VAULTS TO BE ABANDONED

EACH	LOCATION
1	44+78, 46' RT
1	43+65, 47.5' RT
1	47+15, 56' RT
1	66+65, 56' RT
4	TOTAL

Z0022800 FENCE REMOVAL

FOOT	LOCATION
91	59+18 LT TO 60+09 LT
83	60+09 LT TO 60+92 LT
84	60+92 LT TO 61+76 LT
75	61+76 LT TO 62+51 LT
71	63+26 LT TO 63+97 LT
42	66+95 LT TO 67+37 LT
60	67+37 LT TO 67+97 LT
51	67+97 LT TO 68+48 LT
50	75+47 LT TO 75+97 LT
50	77+47 LT TO 77+97 LT
50	77+97 LT TO 78+47 LT
50	78+47 LT TO 78+97 LT
50	78+97 LT TO 79+47 LT
807	TOTAL

Z0045100 PRESSURE CONNECTION 12" x 12"

EACH	LOCATION
1	58+36, 42 RT
1	40+48.5, 54 RT
2	TOTAL

4' VALVE VAULT WITH 8" VALVE

EACH	LOCATION
1	47+15, 71' RT
1	66+68, 87' RT
2	TOTAL

5' VALVE VAULT WITH 12" VALVE

EACH	LOCATION
1	40+49, 53' RT
1	42+78, 49' RT
1	44+52, 57' RT
1	47+24, 67' RT
1	51+15, 70' RT
5	TOTAL

PLAN — SURVEYED / PLOTTED / GRADES CHECKED / ALL DIM. CHECKED / CADD FILE NAME / NOTE BOOK / NO. / BY / DATE

PROFILE — SURVEYED / PLOTTED / GRADES CHECKED / CADD FILE NAME / NOTE BOOK / NO. / STRUCTURE NO'S/ITMS CHKD / BY / DATE

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ILLINOIS DEPARTMENT OF TRANSPORTATION

F.A.U. 2508 – DOUGLAS ROAD
(U.S. RTE 34 TO U.S. RTE 30)

SCHEDULE OF QUANTITIES

SCALE: VERT. HORIZ.
DATE

DRAWN BY BAH
CHECKED BY CRF

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2508	02-00039-00-PV	KENDALL	146	15
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

87333

PAVEMENT SCHEDULE

LOCATION	POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70 1.5" (TON)	POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N70 (TON)	HOT-MIX ASPHALT BASE COURSE (TON)	AGGREGATE BASE COURSE TYPE B 12" (TON)	AGGREGATE BASE COURSE TYPE B 14" (TON)	AGGREGATE BASE COURSE TYPE B 18" (TON)	HOT-MIX ASPHALT BASE COURSE WIDENING 6.5" (SQ YD)	BITUMINOUS MATERIALS (PRIME COAT) (GALLON)	AGGREGATE (PRIME COAT) (TON)	TEMPORARY PAVEMENT (SQ YD)	TEMPORARY RAMP (SQ YD)	COMBINATION CONCRETE CURB AND GUTTER TYPE B6.24 (FOOT) LEFT	COMBINATION CONCRETE CURB AND GUTTER TYPE B6.24 (FOOT) RIGHT	CONCRETE MEDIAN TYPE SB-6.12 (SQ FT)	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT (SQ YD)	PAVEMENT REMOVAL (SQ YD)	HOT-MIX ASPHALT SURFACE REMOVAL, 3/4" (SQ YD)	TEMPORARY PAVEMENT REMOVAL (SQ YD)	TEMPORARY REMP REMOVAL (SQ YD)	COMBINATION CURB AND GUTTER REMOVAL (FOOT) LEFT	COMBINATION CURB AND GUTTER REMOVAL (FOOT) RIGHT	CONCRETE MEDIAN REMOVAL (SQ FT)	PAVEMENT PATCHING, CLASS D, TYPE II, 6" (SQ YD)	PAVEMENT PATCHING CLASS D, TYPE III, 6" (SQ YD)	PAVEMENT PATCHING CLASS D, TYPE IV, 6" (SQ YD)
DOUGLAS ROAD																										
19+45.00 - 23+07.21	200										19				373		2676		19							75
23+07.21 - 33+52.58	239										15	999.4	912.3				4864		15						17	162
33+52.58 - 43+02.59	532	887	2662	11086	3675			2884	6	348		857.0	930.9			6469		348					10			145
43+02.59 - 46+72.90	231	385	1154	3486	2994			1250	3	197		308.2	288.5			1893		197								135
46+72.90 - 54+24.03	422	704	2112	1250				2289	5	460		685.9	678.1			2522		460						17		156
54+24.03 - 66+37.47	682	1136	3408	2018				3692	8	1209		1092.7	1139.2			3865		1209					14	17		164
66+37.47 - 74+98.81	525	875	2624	9239		6927		2842	6	106		803.0	735.2			4074		106				295	13			161
74+98.22 - 80+04.51/80+28.14	297	495	1486	930				1610	4	604		461.7	315.3	2572		2580		604				418	14			189
80+04.51/80+28.14 - 83+34.53	226	377	1132	699				1227	3	179		230.9	182.5	2119		2580		179			233	194			20	163
83+34.53 - 87+61.16	255	425	1275	801				1381	3	575		354.3	365.5	2135		2949		575			444	347	435			118
SUBTOTAL - DOUGLAS ROAD	3609	5284	15853	29510	6669	6927		17174	38	3677	34	5793.0	5548.0	6827	373	26932	7540	3677	34		676	1255	435	51	71	1467
SIDE STREETS																										
OLD POST ROAD																										
498+62.36 - 500+61.47				34			92					162.7	71.3		290		612				174	70				42
MASON SQUARE ENTRANCE																										
	13	22	65	43				70				59.5	46.9			163					59	57				
BARNABY DRIVE																										
100+90.00	26	44	131	82				142	0			75.2	75.5			261					68	71				
FARMINGTON LAKES DRIVE																										
200+30.86	37	62	187	128				202	0			87.9	77.0			491					90	199				
SAUGATUCK ROAD																										
301+19.74	24	40	121	77				131	0			75.0	75.1			297					28	31				
LONG BEACH ROAD																										
400+66.25 - 403+00.00	64	107	322	208				349	1			262.8	226.2			626					157	156				
WIESBROOK ROAD																										
	21	35	105	68				114	0			74.8	69.0			245					73	64				
ENTRANCE 1																										
	14	23	70	45				76	0			35.8	53.4			159					48	60	112			
FERNWOOD ROAD																										
503+62.78 - 601+19.62	76	126	379	240				410	1			219.3	273.3			948					252	155			38	
TOWNE'S CROSSING																										
700+95.43	36	61	182	114				197	0			83.5	73.3			502					132	117				
NORTH MERCHANTS DRIVE																										
	15	24	73	47				79	0			45.8	44.0			132					30	43				
SUBTOTAL - SIDE STREETS		545	1634	1087			92	1770	4			1182.0	1085.0		290	3824	612				1111	1022	112		38	42
TOTAL	3609	5829	17487	30596	6669	6927	92	18944	41	3677	34	13608.0			662	30756	8152	3677	34		4064		547	51	109	1509

NOTE: SIDESTREET PAVEMENT REMOVAL IS INCLUDED WITH DRIVE-LANE PAVEMENT REMOVAL

ILLINOIS DEPARTMENT OF TRANSPORTATION
F.A.U. 2508 – DOUGLAS ROAD
(U.S. RTE 34 TO U.S. RTE 30)

PAVEMENT SCHEDULE

SCALE: VERT. HORIZ.
DATE

DRAWN BY BAH
CHECKED BY CRF

PLAN: SURVEYED, PLOTTED, ROW STAKED, NOTE BOOK, NO.; BY, DATE; ALIGNMENT APPROVED, R.O.W. CHECKED, CADD FILE NAME
PROFILE: SURVEYED, PLOTTED, GRADES STAKED, NOTE BOOK, NO.; BY, DATE; STRUCTURE NOTATIONS CHKD

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F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2508	02-00039-00-PV	KENDALL	146	16
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

87333

PAVEMENT SCHEDULE

LOCATION	AGGREGATE SHOULDERS TYPE B 8" (SQ YD)	HOT MIX ASPHALT SHOULDERS 1½" (SQ YD)	CURB AND GUTTER REMOVAL AND REPLACEMENT (SQ FT)	REMOVAL AND REPLACEMENT OF CONCRETE DRIVEWAY (SQ YD)	AGGREGATE FOR TEMPORARY ACCESS (TON)
DOUGLAS ROAD					
19+45.00 - 23+07.21		291			
23+07.21 - 33+52.58					
33+52.58 - 43+02.59					
43+02.59 - 46+72.90					
46+72.90 - 54+24.03					
54+24.03 - 66+37.47					
66+37.47 - 74+98.81					
74+98.22 - 80+04.51/80+28.14					
80+04.51/80+28.14 - 83+34.53					
83+34.53 - 87+61.16	83				
SUBTOTAL - DOUGLAS ROAD	83	291			
SIDE STREETS					
OLD POST ROAD					
498+62.36 -					
500+61.47					
MASON SQUARE ENTRANCE					
					545
BARNABY DRIVE					
100+90.00					746
FARMINGTON LAKES DRIVE					
200+30.86					1203
SAUGATUCK ROAD					
301+19.74					670
LONG BEACH ROAD					
400+66.25 -					1695
403+00.00					
WIESBROOK ROAD					
					649
ENTRANCE 1					
					341
FERNWOOD ROAD					
503+62.78 -			30	26	1953
601+19.62					
TOWNE'S CROSSING					
700+95.43					1355
NORTH MERCHANTS DRIVE					
					648
SUBTOTAL - SIDE STREETS			30	26	9804
TOTAL	83	291	30	26	9804

NOTE: SIDESTREET PAVEMENT REMOVAL IS INCLUDED WITH DRIVE-LANE PAVEMENT REMOVAL

SIGNAL SCHEDULE

ITEM	UNIT	INTERSECTIONS OF DOUGLAS ROAD: OLD POST	LONGBEACH	FERNWOOD	TOWNES CROSSING	U.S. ROUTE 30	FIFTH STREET	INTERCONNECT: LONGBEACH TO FERNWOOD	FERNWOOD TO TOWNES CROSSING	TOWNES CROSSING TO U.S. ROUTE 30	TOTAL
SIGN PANEL - TYPE 1	SQ FT		30	20	5						55
SIGN PANEL - TYPE 2	SQ FT		55	55	37.5						147.5
RELOCATE SIGN PANEL ASSEMBLY - TYPE B	EACH	1									1
CONDUIT IN TRENCH, 1" DIA., GALVANIZED STEEL	FOOT	479	560	452	569	167					2227
CONDUIT IN TRENCH, 2" DIA., GALVANIZED STEEL	FOOT	639	645	405	273	326		620		30	2938
CONDUIT IN TRENCH, 2 1/2" DIA., GALVANIZED STEEL	FOOT	10	64	40	53						167
CONDUIT IN TRENCH, 4" DIA., GALVANIZED STEEL	FOOT	167	42	51	300	22					582
CONDUIT PUSHED, 1" DIA., GALVANIZED STEEL	FOOT	107	111	75							293
CONDUIT PUSHED, 2" DIA., GALVANIZED STEEL	FOOT	15	12	35							62
CONDUIT PUSHED, 2 1/2" DIA., GALVANIZED STEEL	FOOT		20								20
CONDUIT PUSHED, 4" DIA., GALVANIZED STEEL	FOOT	273	165	224	352	78					1092
HANDHOLE	EACH	3	5	4	5			2			19
DOUBLE HANDHOLE	EACH	1	1	1	1						4
TRENCH AND BACKFILL FOR ELECTRICAL WORK	FOOT	1183	1270	892	854	379		620		30	5228
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1		1	1	1					4
FULL-ACTUATED CONTROLLER AND TYPE IV CABINET, SPECIAL	EACH		1	1	1						3
UNINTERRUPTABLE POWER SUPPLY, EXTENDED	EACH	1	1	1	1	1	1				6
TRANSCEIVER - FIBER OPTIC	EACH		1	1	1						3
ELECTRIC CABLE IN CONDUIT, SIGNAL, NO. 14 2C	FOOT	667	406	193							1266
ELECTRIC CABLE IN CONDUIT, SIGNAL, NO. 14 3C	FOOT	987	682	561	239	250					2719
ELECTRIC CABLE IN CONDUIT, SIGNAL, NO. 14 5C	FOOT	753	726	1608	903						3990
ELECTRIC CABLE IN CONDUIT, SIGNAL, NO. 14 7C	FOOT	1601	716	905	887						4109
ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 14 1 PAIR	FOOT	2709	2697	1928	1926	923					10183
ELECTRIC CABLE IN CONDUIT, SERVICE, NO. 6 2C	FOOT		50	50	50						150
TRAFFIC SIGNAL POST, GALVANIZED STEEL, 10 FT.	EACH		1								1
TRAFFIC SIGNAL POST, GALVANIZED STEEL, 15 FT.	EACH				1						1
TRAFFIC SIGNAL POST, GALVANIZED STEEL, 16 FT.	EACH		1	2							3
STEEL MAST ARM ASSEMBLY AND POLE, 32 FT.	EACH				1						1
STEEL MAST ARM ASSEMBLY AND POLE, 34 FT.	EACH										0
STEEL MAST ARM ASSEMBLY AND POLE, 40 FT.	EACH		1								1
STEEL MAST ARM ASSEMBLY AND POLE, 42 FT.	EACH				1						1
STEEL MAST ARM ASSEMBLY AND POLE, 44 FT.	EACH	1	2								3
STEEL MAST ARM ASSEMBLY AND POLE, 48 FT.	EACH		1								1
STEEL MAST ARM ASSEMBLY AND POLE, 52 FT.	EACH				1						1
STEEL MAST ARM ASSEMBLY AND POLE WITH DUAL MAST ARMS, 30 FT. AND 38 FT.	EACH			1							1
STEEL MAST ARM ASSEMBLY AND POLE WITH DUAL MAST ARMS, 40 FT. AND 48 FT.	EACH			1							1
CONCRETE FOUNDATION, TYPE A	FOOT		8	8	4						20
CONCRETE FOUNDATION, TYPE C	FOOT		4	4	4						12
CONCRETE FOUNDATION, TYPE E, 36-INCH DIAMETER	FOOT	11	52	30	39						132
DRILL EXISTING HANDHOLE	EACH	1				2					3
SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED	EACH		4	1	1						6
SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 3-SECTION, MAST ARM MOUNTED	EACH	1		5	5						11
SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 5-SECTION, BRACKET MOUNTED	EACH	1	1								2
SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 5-SECTION, MAST ARM MOUNTED	EACH	1	6	5	3						15
PEDESTRIAN SIGNAL HEAD, LED, 1-FACE, POST MOUNTED	EACH		2								2
PEDESTRIAN SIGNAL HEAD, LED, 1-FACE, BRACKET MOUNTED	EACH	1	2	2							5
TRAFFIC SIGNAL BACKPLATE, LOUVERED, FORMED PLASTIC	EACH	3	12	14	11						40
INDUCTIVE LOOP DETECTOR	EACH	14	14	15	12	5					60
DETECTOR LOOP, TYPE I	FOOT	2262	1460	1689	1116	528					7055
LIGHT DETECTOR	EACH	2	2	2	2	2					10
LIGHT DETECTOR AMPLIFIER	EACH	1	1	1	1	1					5
PEDESTRIAN PUSH-BUTTON	EACH	1	4	2							7
TEMPORARY TRAFFIC SIGNAL INSTALLATION	EACH	1		1	1	1					4
MODIFY EXISTING CONTROLLER	EACH	1				1	1				3
REMOVE ELECTRIC CABLE FROM CONDUIT	FOOT	1836				400					2236
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1		1	1						3
ELECTRIC CABLE IN CONDUIT, TRACER, NO. 14 1C	FOOT							1590	444	385	2419
FIBER OPTIC CABLE IN CONDUIT, NO. 62.5/125, MM12F SM12F	FOOT							1590	444	385	2419
SERVICE INSTALLATION - GROUND MOUNTED	EACH		1	1	1						3
ELECTRIC CABLE IN CONDUIT, GROUNDING, NO.6 1C	FOOT	434	506	400	449						1789
ELECTRIC CABLE IN CONDUIT, NO.20 3C, TWISTED, SHIELDED	FOOT	329	286	363	248	259					1485
RE-OPTIMIZE TRAFFIC SIGNAL SYSTEM	L SUM					1					1
REMOVE EXISTING HANDHOLE	EACH	2				1					3

ILLINOIS DEPARTMENT OF TRANSPORTATION

F.A.U. 2508 – DOUGLAS ROAD
(U.S. RTE 34 TO U.S. RTE 30)

PAVEMENT SCHEDULE
& SIGNAL SCHEDULE

SCALE: VERT. HORIZ.
DATE

DRAWN BY BAH
CHECKED BY CRF

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2508	02-00039-00-PV	KENDALL	146	17
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

87333

PAVEMENT MARKING SCHEDULE

	THERMOPLASTIC PAVEMENT MARKING											TEMPORARY PAVEMENT MARKING										
		LINE - 4"	LINE - 6"	LINE - 8"				LINE - 12"		LINE-24"	RAISED REFLECTIVE PAVEMENT MARKERS		LINE - 4"	LINE - 6"	LINE - 8"				LINE - 12"		LINE-24"	TEMPORARY PAVEMENT MARKING REMOVAL
	LETTERS AND SYMBOLS	MEDIAN LINE	CROSSWALK	LANE LINE				SOLID		STOP		LETTERS AND SYMBOLS	MEDIAN LINE	CROSSWALK	LANE LINE				SOLID		STOP	
		SOLID YELLOW	SOLID WHITE	6'-2' SKIP-DASH WHITE	SOLID WHITE	30'-10' SKIP-DASH WHITE		CROSSWALK WHITE	DIAGONALS YELLOW	BAR WHITE			SOLID YELLOW	SOLID WHITE	6'-2' SKIP-DASH WHITE	SOLID WHITE	30'-10' SKIP-DASH WHITE		CROSSWALK WHITE	DIAGONALS YELLOW	BAR WHITE	
						LEFT	RIGHT										LEFT	RIGHT				
	(SQ FT)	(FOOT)	(FOOT)	(FOOT)	(FOOT)	(FOOT)	(FOOT)	(FOOT)	(FOOT)	(FOOT)	(EACH)	(SQ FT)	(FOOT)	(FOOT)	(FOOT)	(FOOT)	(FOOT)	(FOOT)	(FOOT)	(FOOT)	(FOOT)	(SQ FT)
DOUGLAS ROAD																						
19+45.00 - 23+07.21	47	913	167	34.0	168	90	80	167	20	40	37	47	913	167	34	168	90	80	167	20	40	888
23+07.21 - 33+52.58	78	3575	191	78.0	333	250	240	202	206	41	103	78	3575	191	78	333	250	240	202	206	41	2306
33+52.58 - 43+02.59	62	2732		78.0	260	220	230		225		96	62	2732		78	260	220	230		225		1592
43+02.59 - 46+72.90	31	1264		34.0	115	80	80		113		38	31	1264		34	115	80	80		113		720
46+72.90 - 54+24.03	62	2056		68.0	230	170	170		133		73	62	2056		68	230	170	170		133		1200
54+24.03 - 66+37.47	31	4269	132	34.0	115	290	290	176	413	36	121	31	4269	132	34	115	290	290	176	413	36	2546
66+37.47 - 74+98.81	78	2903		68.0	265	200	200		282	49	82	78	2903		68	265	200	200		282	49	1792
74+98.22 - 80+04.51/80+28.14	78		163	68.0	295	110	110	163		41	28	78		163	68	295	110	110	163		41	696
80+04.51/80+28.14 - 83+34.53	78			62.0	325	60	60			111	15	78			62	325	60	60			111	554
83+34.53 - 87+91.93	62			73	230	90	90			72	22	62			73	230	90	90			72	448
87+91.93 - END																						
SUBTOTAL - DOUGLAS ROAD	608	17712	653	597	2336	1560	1550	708	1392	390	615	608	17712	653	597	2336	1560	1550	708	1392	390	12740
SIDE STREETS																						
OLD POST ROAD																						
498+62.36 - 500+61.47	16	145	207		72			186		59		16	145	207		72			186		59	507
MASON SQUARE ENTRANCE																						
			61					62						61					62			93
BARNABY DRIVE																						
100+90.00		41	100		21			99		27			41	100		21			99		27	227
FARMINGTON LAKES DRIVE																						
200+30.86			152		51			157		28				152		51			157		28	315
SAUGATUCK ROAD																						
301+19.74		45	102					135		20			45	102					135		20	241
LONG BEACH ROAD																						
400+66.25 - 403+00.00		216	112					148		38			216	112					148		38	352
WIESBROOK ROAD																						
			107					107		22				107					107		22	205
FERNWOOD ROAD																						
503+62.78 - 601+19.62	42	270			81					46		42	270			81					46	264
TOWNE'S CROSSING																						
700+95.43	31				27					28		31				27					28	101
SUBTOTAL - SIDE STREETS	88	717	841	0	252	0	0	894	0	268	0	88	717	841	0	252	0	0	894	0	268	2304
TOTAL - PER APPLICATION*	697	18429	1494	597	2588	3110		1602	1392	658	615	697	18429	1494	597	2588	3110		1602	1392	658	15044

ILLINOIS DEPARTMENT OF TRANSPORTATION

F.A.U. 2508 – DOUGLAS ROAD
(U.S. RTE 34 TO U.S. RTE 30)

PAVEMENT MARKING SCHEDULE

SCALE: VERT. HORIZ.
DATE
DRAWN BY BAH
CHECKED BY CRF

PLAN: SURVEYED, PLOTTED, ALIGNMENT CHECKED, RT. OF WAY CHECKED, CADD FILE NAME; NOTE BOOK; NO.; BY; DATE

PROFILE: SURVEYED, PLOTTED, GRADES CHECKED, B.M. NOTED, STRUCTURE NOTATNS CHKD; NOTE BOOK; NO.; BY; DATE

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3/28/2007
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F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2508	02-00039-00-PV	KENDALL	146	18
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

87333

SIDEWALK SCHEDULE

LOCATION	PORTLAND CEMENT CONCRETE SIDEWALK, 5"	AGGREGATE BASE COURSE, 4"	BITUMINOUS SIDEWALK, 4"	AGGREGATE BASE COURSE, 6"	DETECTABLE WARNINGS		SIDEWALK REMOVAL	SIDEWALK REMOVAL AND REPLACEMENT
	TOTAL (SQ FT)	TOTAL (TON)	TOTAL (SQ FT)	TOTAL (TON)	QUANTITY (EACH)	TOTAL AREA (SQ FT)	TOTAL (SQ FT)	TOTAL (SQ FT)
DOUGLAS ROAD								
19+45.00 - 23+07.21								
22+63 - 22+70 LT							26	
22+70 - 22+84 LT	65.7	5			1	10		
22+71 - 22+85 LT							101	
SUB-TOTAL	65.7	5			1	10	127	
23+07.21 - 33+52.58								
23+19 - 23+33 LT							85	
23+29 - 23+33 LT	17.8	1			1	10		
23+33 - 23+39 LT							48	
23+75 - 33+34 RT	4775.7	363			2	20		
SUB-TOTAL	4793.5	364			3	30	133	
33+52.58 - 43+02.59								
33+68 - 43+02.59 RT	4903.5	372			1	10		
42+67 - 42+73 LT							80	
42+67 - 42+78 LT	75.6	6			1	10		
SUB-TOTAL	4979.1	378			2	20	80	
43+02.59 - 46+72.90								
43+02.59 - 46+30 RT	1602.1	122			1	10		
43+29 - 46+72.90 LT			2792.7	318				
43+31 - 43+36 LT							76	
SUB-TOTAL	1602.1	122	2792.7	318	1	10	76	
46+72.90 - 54+24.03								
46+72.90 - 53+92 LT			6183.9	704				
47+07 - 54+24.03 RT			6416.6	731			1907	
47+19 - 49+30 RT							2548	
49+67 - 52+75 RT								
53+92 - 54+08 LT	195.9	15			1	10		
54+04 - 54+08 LT							117	
SUB-TOTAL	195.9	15	12600.5	1435	1	10	4571	
54+24.03 - 66+37.47								
54+24.03 - 66+14 RT			9431.7	1074				20
54+41 - 54+59 LT	146.7	11			1	10		
54+41 - 54+62 LT							107	
65+85 - 66+20 LT	481.1	37			1	10		
66+17 - 66+21 LT							210	
SUB-TOTAL	627.8	48	9431.7	1074	2	20	317	20
66+37.47 - 74+98.81								
66+57 - 66+62 LT	39.4							
66+64 - 70+79 RT	39.8		3221.5	367	1	10		
70+79 - 74+76 RT	2158.2	164			1	10		
71+44 - 74+75 RT							1703	
SUB-TOTAL	2237.4	164	3221.5	367	2	20	1703	
74+98.22 - 80+04.51/80+28.14								
75+25 - 77+08 RT	953.6	72			2	20		
75+26 - 77+07 RT							897	
77+43 - 80+01 RT							1268	
77+47 - 79+84 RT	1199.3	91			2	20		
SUB-TOTAL	2152.9	163			4	40	2165	
OLD POST ROAD								
498+92 - 499+06								63
FERNWOOD ROAD								
500+89 - 501+12 RT								101
502+69 - 502+90 RT								86
503+49 - 504+55 RT	612.9	47						
SUB-TOTAL	612.9	47						250
TOTALS	17267.5	1305	28046.5	3194	16	160	9171	270

PLAN — DATE / BY / SURVEYED / DRAWN / ALIGNMENT CHECKED / GRADES CHECKED / STRUCTURE NO. ____ / NOTE BOOK ____ / NO. ____ / PLAN FILE NAME ____

PROFILE — SURVEYED / DRAWN / GRADES CHECKED / ALIGNMENT CHECKED / STRUCTURE NO. ____ / NOTE BOOK ____ / NO. ____ / PLAN FILE NAME ____ / STRUCTURE NO'S CHKD

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ILLINOIS DEPARTMENT OF TRANSPORTATION

F.A.U. 2508 – DOUGLAS ROAD (U.S. RTE 34 TO U.S. RTE 30)

SIDEWALK SCHEDULE

SCALE: VERT. HORIZ.
DATE

DRAWN BY BAH
CHECKED BY CRF

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2508	02-00039-00-PV	KENDALL	146	19

STA. TO STA.

FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT

87333

STORM SEWER SCHEDULE

LOCATION	POROUS GRANULAR EMB. (TON)	TRENCH BACKFILL (CU YD)	PIPE UNDER-DRAINS 4" (FOOT)	POROUS GRANULAR BACKFILL (CU YD)	REMOVE EXISTING CULVERTS (EACH)	REMOVING MANHOLES (EACH)	REMOVING INLETS (EACH)	STORM SEWER REMOVAL 12" (FT)	STORM SEWER REMOVAL 15" (FT)	STORM SEWER REMOVAL 18" (FT)	STORM SEWER REMOVAL 24" (FT)	PRECAST REINF. CONC. FLARED END SECTION 30" (EACH)	GRATING FOR CONC. FLARED END SECTION 30" (EACH)	STORM SEWERS CLASS A TYPE 1 12" (FT)	STORM SEWERS CLASS A TYPE 1 15" (FT)	STORM SEWERS CLASS A TYPE 1 18" (FT)	STORM SEWERS CLASS A TYPE 1 24" (FT)	STORM SEWERS CLASS A TYPE 1 30" (FT)	STORM SEWERS CLASS A TYPE 2 12" (FT)	STORM SEWERS CLASS A TYPE 2 15" (FT)	STORM SEWERS CLASS A TYPE 2 18" (FT)	STORM SEWERS CLASS A TYPE 2 24" (FT)	STORM SEWERS CLASS A TYPE 2 30" (FT)	MANHOLES TYPE A TYPE 1 FRAME CLOSED LID 4' DIA. (EACH)	MANHOLES TYPE A TYPE 1 FRAME CLOSED LID 5' DIA. (EACH)	MANHOLES TYPE A TYPE 1 FRAME CLOSED LID 6' DIA. (EACH)	MANHOLES TYPE A TYPE 1 FRAME CLOSED LID 7' DIA. (EACH)	MANHOLES TYPE A TYPE 11 FRAME CLOSED LID 4' DIA (EACH)	MANHOLES TYPE A TYPE 8 GRATE 4' DIA. (EACH)	MANHOLES TYPE A SPECIAL F & G 4' DIA. (EACH)	MANHOLES TYPE A SPECIAL F & G 5' DIA. (EACH)	MANHOLES TYPE A TYPE 8 GRATE 5' DIA. (EACH)	MANHOLES TYPE A TYPE 8 GRATE 6' DIA. (EACH)	MANHOLES TO BE ADJUSTED NEW TYPE 1 FRAME CLOSED LID (EACH)	INLETS TYPE A TYPE 8 GRATE (EACH)	INLETS TYPE A SPECIAL F & G (EACH)	INLETS TYPE B TYPE 8 GRATE (EACH)	INLETS TYPE B SPECIAL F & G (EACH)	INLETS TO BE ADJ. NEW TYPE 1 FRAME CLOSED LID (EACH)
DOUGLAS ROAD																																							
19+45.00 - 23+07.21		16				1		31	84					8	126									1					1								1		
23+07.21 - 33+52.58		161			1		4	90	29	83	44			400	249		134											1			1	1			1			7	1
33+52.58 - 43+02.59		156	30			1		14						529		25			186				78		1	1				1			1	1	1	1	2	5	
43+02.59 - 46+72.90		163	69				1							142	85				14	20					2					2							1	2	
46+72.90 - 54+24.03		149										1	1	207			350	137						1	1					1	1							3	
54+24.03 - 66+37.47		159												320			929					266		6						1								10	
66+37.47 - 74+98.81		112	129											443	167	168	64							3						1								7	
74+98.22 - 80+04.51/80+28.14		141			1									459	301									2	1						1				1			4	
80+04.51/80+28.14 - 83+34.53		153			1									177	312														1	2								3	
83+34.53 - 87+61.16		105												244	319															3						1	1	1	
SUBTOTAL - DOUGLAS ROAD	0	1314	228	0	3	2	5	135	112	83	44	1	1	2929	1559	193	1477	137	200	20	0	266	78	13	5	1	0	1	2	11	3	1	1	1	3	2	5	42	1
SIDE STREETS																																							
OLD POST ROAD																																							
498+62.36 -		6							36						60																								
500+61.47																																							
FERNWOOD ROAD																																							
503+62.78 -		70																			396			1			1												
601+19.62																																							
SUBTOTAL - SIDE STREETS	0	77		0	0	0	0	0	36	0	0	0	0	0	60	0	0	0	0	0	396	0	0	1	0	0	1		0	0	0		0	0	0		0	0	0
TOTAL	0	1391	228	0	3	2	5	135	149	83	44	1	1	2929	1619	193	1477	137	200	20	396	266	78	14	5	1	1	1	2	11	3	1	1	1	3	2	5	42	1

ILLINOIS DEPARTMENT OF TRANSPORTATION

F.A.U. 2508 – DOUGLAS ROAD

(U.S. RTE 34 TO U.S. RTE 30)

STORM SEWER SCHEDULE & TRENCH BACKFILL SCHEDULE

SCALE: VERT. HORIZ.

DATE

DRAWN BY BAH

CHECKED BY CRF

PLAN NOTE BOOK NO. SURVEYED PLOTTED ALIGNMENT CHECKED RT. OF WAY CHECKED CADD FILE NAME BY DATE

PROFILE NOTE BOOK NO. SURVEYED PLOTTED GRADES CHECKED B.M. NOTED STRUCTURE NOTAT'NS CH'KD BY DATE

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F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2508	02-00039-00-PV	KENDALL	146	20
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

87333

MAINTENANE OF TRAFFIC – PAVEMENT MARKING SCHEDULE

LOCATION	MAINTENANCE OF TRAFFIC - TEMPORARY PAVEMENT MARKING								PAVEMENT MARKING TAPE, TYPE III						
			LINE - 4"		LINE - 6"			LINE-24"		LINE - 4"		LINE - 6"			LINE-24"
	WORK ZONE PAVEMENT MARKING REMOVAL (SQ FT)	LETTERS AND SYMBOLS (SQ FT)	SOLID EDGELINE WHITE (FOOT)	SOLID MEDIAN YELLOW (FOOT)	SOLID LANE LINE WHITE (FOOT)	6'-2' SKIP-DASH WHITE (FOOT)	30'-10' SKIP-DASH WHITE (FOOT)	STOP BAR WHITE (FOOT)	LETTERS AND SYMBOLS (SQ FT)	SOLID EDGELINE WHITE (FOOT)	SOLID MEDIAN YELLOW (FOOT)	SOLID LANE LINE WHITE (FOOT)	6'-2' SKIP-DASH WHITE (FOOT)	30'-10' SKIP-DASH WHITE (FOOT)	STOP BAR WHITE (FOOT)
STAGE I															
19+45.00 - 23+07.21															
23+07.21 - 33+52.58															
33+52.58 - 43+02.59															
43+02.59 - 46+72.90															
46+72.90 - 54+24.03															
54+24.03 - 66+37.47	427		495	785											
66+37.47 - 74+98.81	1114		1714	1627											
74+98.22 - 80+04.51/80+28.14	983	62.4	844	934	230	242		46							
80+04.51/80+28.14 - 83+34.53	619	31.2	602	481	115	121		54							
83+34.53 - 87+91.93	938	62.4	957	706	234	236		43							
87+91.93 - END	688								62.4	284	483	299	264		44
SUBTOTAL - STAGE 1	4768	156	4612	4533	579	599	0	143	62	284	483	299	264	0	44
STAGE 2															
19+45.00 - 23+07.21															
23+07.21 - 33+52.58															
33+52.58 - 43+02.59															
43+02.59 - 46+72.90															
46+72.90 - 54+24.03															
54+24.03 - 66+37.47	536		805	804											
66+37.47 - 74+98.81	1149	31.2	1230	1598	173	133		11							
74+98.22 - 80+04.51/80+28.14	1094	62.4	1187	935	230	242		44							
80+04.51/80+28.14 - 83+34.53	582	31.2	449	481	109	121		63							
83+34.53 - 87+91.93	971	62.4	822	711	201	322		44					97		
87+91.93 - END	530								31.2		673	150	263		34
SUBTOTAL - STAGE 2	4862	187	4494	4529	713	817	0	162	31	0	673	150	360	0	34
STAGE 3															
19+45.00 - 23+07.21															
23+07.21 - 33+52.58	762		785	1501											
33+52.58 - 43+02.59	966		978	1921											
43+02.59 - 46+72.90	388		426	737											
46+72.90 - 54+24.03	876		1127	1502											
54+24.03 - 66+37.47	1250		1326	2423											
66+37.47 - 74+98.81	1158		874	1684			610								
74+98.22 - 80+04.51/80+28.14	777				294	264	995								
80+04.51/80+28.14 - 83+34.53	667				457	244	633								
83+34.53 - 87+91.93	722				232	281	786	36							
87+91.93 - END															
SUBTOTAL - STAGE 3	7564	0	5516	9769	983	789	3023								
STAGE 4															
19+45.00 - 23+07.21															
23+07.21 - 33+52.58	796		874	1514											
33+52.58 - 43+02.59	904		984	1729											
43+02.59 - 46+72.90	342		410	617											
46+72.90 - 54+24.03	934		1299	1504											
54+24.03 - 66+37.47	1234		1266	2435											
66+37.47 - 74+98.81	1098		790	1692		133	409								
74+98.22 - 80+04.51/80+28.14															
80+04.51/80+28.14 - 83+34.53															
83+34.53 - 87+91.93															
87+91.93 - END															
SUBTOTAL - STAGE 4	5309	0	5623	9492	0	133	409								
TOTAL	22504	343	48568		8045			305	94	1440		1073			78

PLAN
SURVEYED BY
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ALIGNMENT CHECKED
GRADES CHECKED
STA. TO STA.
NOTE BOOK
NO.
BY DATE
FOR FILE NAME

PROFILE
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BY DATE
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ILLINOIS DEPARTMENT OF TRANSPORTATION
F.A.U. 2508 – DOUGLAS ROAD
(U.S. RTE 34 TO U.S. RTE 30)

MAINTENANCE OF TRAFFIC SCHEDULE

SCALE: VERT.
HORIZ.
DATE

DRAWN BY BAH
CHECKED BY CRF

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2508	02-00039-00-PV	KENDALL	146	21
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

87333

TREE REPLACEMENT SCHEDULE

LOCATION			TREE, ULMUS CARPINIFOLIA (ACCOLADE ELM), 2" CALIPER, BALLED AND BURLAPPED (EACH)	TREE, ACER X FREEMANII AUTUMN BLAZE (AUTUMN BLAZE FREEMAN MAPLE), 2" CALIPER, BALLED AND BURLAPPED (EACH)	TREE, ACER SACCHARUM (SUGAR MAPLE), 2" CALIPER, BALLED AND BURLAPPED (EACH)	TREE, CELTIS OCCIDENTALIS (COMMON HACKBERRY), 2" CALIPER, (EACH)	TREE, QUERCUS ALBA (WHITE OAK), 2" CALIPER, BALLED AND BURLAPPED (EACH)	TREE QUERCUS MACROCARPA (BUR OAK), 2" CALIPER BALLED AND BURLAPPED (EACH)	EVERGREEN PINUS STROBUS (EASTERN WHITE PINE(, 5' HEIGHT, BALLED AND BURLAPPED (EACH)
45+50	50.0	LT	1						
51+50	50.0	LT		1					
52+75	50.0	LT					1		
53+00	50.0	LT		1					
53+05	50.0	LT						1	
53+25	50.0	LT			1				
53+40	50.0	LT		1					
53+50	50.0	LT		1					
55+00	45.0	LT							1
55+50	45.0	LT			1				
56+00	45.0	LT		1					
56+50	45.0	LT		1					
57+00	40.0	RT	1						
57+50	40.0	RT							1
58+50	40.0	LT							1
62+50	45.0	LT							1
63+50	40.0	RT				1			
66+50	90.0	LT			1				
69+50	45.0	LT	1						
69+60	45.0	LT	1						
69+75	45.0	LT				1			
70+50	45.0	LT		1					
71+00	45.0	LT					1		
71+25	45.0	LT						1	
71+50	45.0	LT	1						
71+75	45.0	LT	1						
72+00	45.0	LT		1					
72+50	45.0	LT			1				
75+50	40.0	LT							1
76+25	40.0	LT				1			
76+50	40.0	LT				1			
78+25	42.0	RT					1		
78+75	42.0	RT						1	
79+00	42.0	RT					1		
79+50	42.0	RT						1	
85+75	45.0	RT							1
TOTAL			6	8	4	4	4	4	6

NOTE: CONTRACTOR TO CONTACT VILLAGE OF OSWEGO PUBLIC WORKS AT 630-554-3242 PRIOR TO ORDERING TREES. ALSO, FINAL LOCATION TO BE DETERMINED BY VILLAGE OF OSWEGO PUBLIC WORKS PRIOR TO PLANTING.

TREE REMOVAL SCHEDULE

LOCATION			TREE REMOVAL (6 TO 15 UNITS) (UNITS)	TREE REMOVAL (OVER 15 UNITS) (UNITS)
45+97.23	38.9	LT	6	
50+12.40	25.4	LT	8	
52+75.21	45.6	LT	15	
53+01.72	38.8	LT	15	
53+20.54	43.4	LT	8	
53+32.26	39.4	LT	8	
53+44.40	41.0	LT	8	
53+56.28	48.5	LT	5	
54+47.69	52.7	LT	15	
55+31.39	44.3	LT	15	
55+59.33	44.9	LT	15	
56+60.83	53.7	LT	15	
56+83.37	59.77	RT	15	
57+74.54	40.4	RT		23
58+51.42	37.5	LT	15	
62+60.12	50.0	LT	15	
63+28.50	32.2	RT		38
66+52.59	-80.0	LT	5	
69+52.21	53.2	LT	5	
69+63.24	50.9	LT	8	
69+76.76	52.9	LT	15	
70+42.80	51.5	LT		19
71+09.14	51.0	LT	15	
71+22.70	51.5	LT	8	
71+49.64	46.6	LT	15	
71+67.68	61.6	RT	8	
71+82.14	62.9	RT	8	
71+89.03	48.3	LT	8	
71+98.14	47.8	LT	8	
72+46.83	59.9	RT	5	
72+67.28	49.8	LT	10	
72+68.08	61.9	RT	5	
72+79.42	57.8	RT	5	
72+92.35	60.5	RT	5	
73+17.73	58.3	RT	8	
74+01.72	55.3	RT	8	
74+15.03	54.5	RT	8	
74+29.17	58.7	RT	8	
74+50.80	61.6	RT	5	
75+39.87	50.7	LT	13	
76+44.32	45.4	LT	13	
76+45.58	49.4	LT	5	
78+27.66	40.2	RT	5	
78+74.30	40.1	RT	5	
79+19.58	39.8	RT	5	
79+66.54	38.6	RT	5	
85+77.44	42.3	RT	15	
TOTAL			406	79

EARTHWORK SCHEDULE

LOCATION	EARTH EXCAVATION (CU YD)	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL (CU YD)	EARTH EXCAVATION ADJ. FOR SHRINKAGE (CU YD)	SECTION TOTALS EMBANKMENT (CU YD)	EARTHWORK BALANCE WAST(+) OR SHORTAGE (-) (CU YD)
Douglas Road					
19+45.00 - 23+07.21	301	45	192	0	192
23+07.21 - 33+52.58	1264	190	806	336	470
33+52.58 - 43+02.59	2665	400	1699	227	1472
43+02.59 - 46+72.90	1511	227	963	415	548
46+72.90 - 54+24.03	1660	249	1058	2516	-1458
54+24.03 - 66+37.47	2936	440	1872	2702	-830
66+37.47 - 74+98.81	3214	482	2049	1066	983
74+98.22 - 80+04.51/80+28.14	1490	224	950	643	307
80+04.51/80+28.14 - 83+34.53	1054	158	672	48	624
83+34.53 - 87+91.93	1151	173	734	141	593
TOTAL	17245	2585	10995	8095	2900

SHRINKAGE FACTORS
EARTH EXCAVATION = 25%
TOPSOIL = 15%

ILLINOIS DEPARTMENT OF TRANSPORTATION
F.A.U. 2508 – DOUGLAS ROAD
(U.S. RTE 34 TO U.S. RTE 30)
TREE REMOVAL SCHEDULE
& TREE REPLACEMENT SCHEDULE
& EARTHWORK SCHEDULE

SCALE: VERT.
HORIZ.
DATE
DRAWN BY BAH
CHECKED BY CRF

PLAN: SURVEYED, PLOTTED, ALIGNMENT CHECKED, BY, DATE, NOTE BOOK, NO., ADD FILE NAME
PROFILE: SURVEYED, PLOTTED, GRADES CHECKED, BY, DATE, NOTE BOOK, NO., STRUCTURE NO(S)/FNS CHKD

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3/28/2007
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F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2508	02-00039-00-PV	KENDALL	146	22
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

87333

250 0 250 500
SCALE IN FEET

N

U.S. ROUTE 34 (OGDEN AVENUE)

CURVE DOUGC-1
PI Sta 22+68.95
Δ = 55° 39' 33.08" (RT)
D = 9° 47' 38.94"
L = 568.29'
T = 308.82'
R = 585.00'
PC Sta 19+60.13
PT Sta 25+28.42

POT Sta 10+00.00
PC Sta 19+60.13
PT Sta 25+28.42
PC Sta 36+26.16
PT Sta 41+68.90
PC Sta 44+13.75
PT Sta 46+60.42
PC Sta 64+02.62
PT Sta 67+25.97
PC Sta 78+48.66
PT Sta 80+69.68
PC Sta 85+36.57
PT Sta 87+52.06
PC Sta 88+52.83
PT Sta 90+25.12
POT Sta 93+92.52

CURVE DOUGC-3
PI Sta 45+37.38
Δ = 9° 44' 49.36" (RT)
D = 3° 57' 05.16"
L = 246.67'
T = 123.63'
R = 1,450.00'
PC Sta 44+13.75
PT Sta 46+60.42

CURVE DOUGC-4
PI Sta 65+65.70
Δ = 18° 26' 03.69" (RT)
D = 5° 42' 03.86"
L = 323.35'
T = 163.08'
R = 1,005.00'
PC Sta 64+02.62
PT Sta 67+25.97

CURVE DOUGC-5
PI Sta 86+44.34
Δ = 3° 05' 12.27" (RT)
D = 1° 25' 56.62"
L = 215.50'
T = 107.77'
R = 4,000.00'
PC Sta 85+36.57
PT Sta 87+52.06

U.S. ROUTE 30

DOUGLAS ROAD

CURVE DOUGLAS-2
PI STA. = 39+13.93
Δ = 47° 06' 59" (LT)
D = 8° 40' 52"
R = 660.00'
T = 287.77'
L = 542.74'
E = 60.01'
e = 2%
T.R. = 59'
S.E. RUN = 59'
P.C. STA. = 36+26.16
P.T. STA. = 41+68.90
BEGIN S.E. = 36+46.00
END S.E. = 41+49.00

CURVE DOUGC-7
PI Sta 79+59.17
Δ = 0° 37' 59.46" (RT)
D = 0° 17' 11.32"
L = 221.02'
T = 110.51'
R = 20,000.00'
PC Sta 78+48.66
PT Sta 80+69.68

CURVE DOUGC-6
PI Sta 89+39.01
Δ = 3° 56' 55.24" (LT)
D = 2° 17' 30.59"
L = 172.29'
T = 86.18'
R = 2,500.00'
PC Sta 88+52.83
PT Sta 90+25.12

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NOTE BOOK
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ALIGNMENT CHECKED BY
GRADES CHECKED BY
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ILLINOIS DEPARTMENT OF TRANSPORTATION

F.A.U. 2508 – DOUGLAS ROAD (U.S. RTE 34 TO U.S. RTE 30)

ALIGNMENT, TIES AND BENCHMARKS

SCALE: VERT.
HORIZ.
DATE

DRAWN BY
CHECKED BY

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2508	02-00039-00-PV	KENDALL	146	23
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

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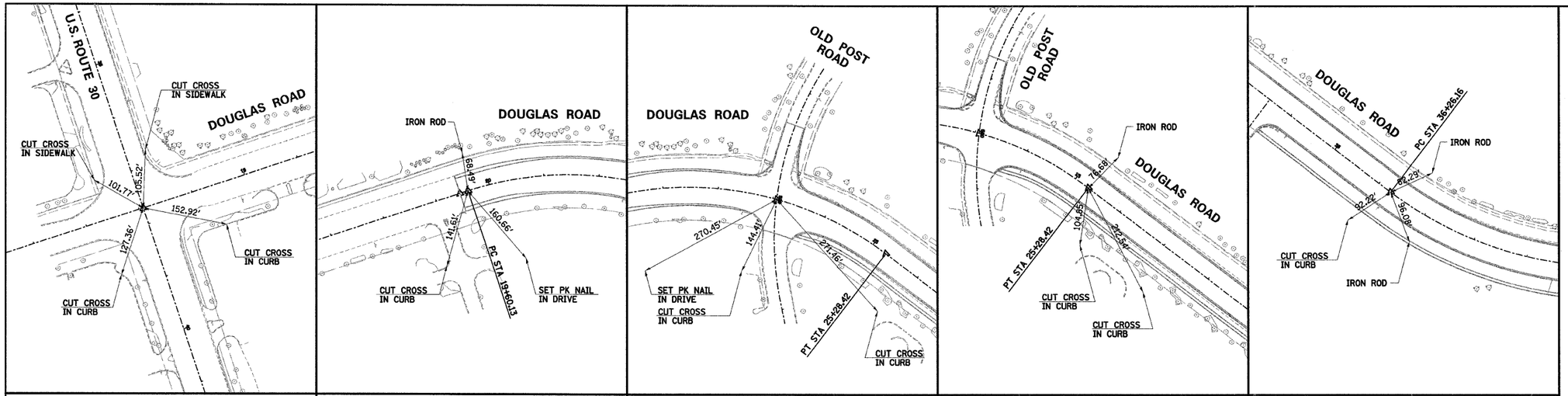
SCALE IN FEET



NOTE:
ALL CONTROL POINTS FOR TIES THAT ARE WITHIN THE PAVEMENT ARE PK NAILS UNLESS OTHERWISE NOTED.

ILLINOIS DEPARTMENT OF TRANSPORTATION

F.A.U. 2508 – DOUGLAS ROAD (U.S. RTE 34 TO U.S. RTE 30)

ALIGNMENT TIES

SCALE: VERT.
HORIZ.
DATE

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F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2508	02-00039-00-PV	KENDALL	146	24
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

87333

50 0 50 100
SCALE IN FEET

℄ DOUGLAS ROAD STA. 13+07.48
℄ U.S. ROUTE 34 STA. 37+69.52

BIT. SURF. REM. BUTT JOINT

BEGIN IMPROVEMENTS STA. 19+45.00 MILLING & RESURFACING

CURVE DOUGLAS-1

EX ROW

EX BITUMINOUS SHOULDER

MATCHLINE STA. 20+00

PC STA. 19+60.13

U.S. ROUTE 34

DOUGLAS ROAD

CURVE DOUGLAS-1
PI STA. = 22+68.95
Δ = 55° 39′ 33″ (RT)
D = 9° 47′ 39″
R = 585.00′
T = 308.82′
L = 568.29′
E = 76.51′
e = 0.0%
P.C. STA. = 19+60.13
P.T. STA. = 25+28.42

NOTE: ALL PLAN AND PROFILE DIMENSIONS SHOWN ARE EDGE TO EDGE UNLESS NOTED OTHERWISE

LEGEND

- PROPOSED ROW
- PR PERM. EASEMENT
- PR TEMP. EASEMENT
- X TREE REMOVAL

BM1:
CHISELED SQUARE IN WEST SIDE OF CONCRETE LIGHT POLE BASE AT THE PARKING LOT FOR LA PETITE ACADEMY PRESCHOOL ON THE EAST SIDE OF DOUGLAS ROAD. LIGHT POLE IS BETWEEN TRASH ENCLOSURE AND BUSINESS SIGN.
ELEV. = 663.76

℄ DOUGLAS ROAD STA. 13+07.48
℄ U.S. ROUTE 34 STA. 37+69.52

BEGIN IMPROVEMENTS
STA. 19+45.00
MILLING & RESURFACING
ELEV. = 662.70

-0.55%

660.50

MATCHLINE STA. 20+00

680 675 670 665 660 655 650 645 640

663.31 663.66 664.02 664.56 663.98 662.91 661.87 661.14 660.68 660.56 660.87 661.38 661.98 662.52 662.91 662.89 662.66 662.67 662.32 662.37

12+00 13+00 14+00 15+00 16+00 17+00 18+00 19+00 20+00

PLAN
SURVEYED
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ALIGNMENT CHECKED
PTS. OF BEG. CHECKED
LOAD FOR NAME
NOTE BOOK
NO.
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DATE

PROFILE
SURVEYED
DRAWN
GRADES CHECKED
ELEV. DATUM
SHEET USE NOTATIONS CHKD
NOTE BOOK
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DOUGLAS ROAD STA. 19+45 TO STA. 20+00 – PLAN AND PROFILE

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2508	02-00039-00-PV	KENDALL	146	25
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

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SCALE IN FEET

NOTES: 1. SEE CURB TRANSITION DETAIL FOR CURB TRANSITIONS

2. RADII ARE LABELED TO EDGE OF PAVEMENT

OLD POST ROAD

END IMPROVEMENTS STA. 498+62.36

BIT. SURF. REM. BUTT JOINT

EX SIDEWALK, REMOVE AND REPLACE 63 SF

PR SIDEWALK

R=45'

PR B-6.12 COMB CONC C&G

R=40'-200' 10' OFFSET

PR B-6.24 COMB CONC C&G

EXIST SIDEWALK TO REMAIN

PR B-6.24 COMB CONC C&G

PR EDGE OF PAVEMENT

BEGIN RECONSTRUCTION STA. 29+67.65

℄ DOUGLAS ROAD STA. 33+52.58 = ℄ MASON SQUARE ENTRANCE

PR BIT EDGE OF SHOULDER

PR EDGE OF PAVEMENT

CURVE DOUGLAS-1

EX ROW

150' STORAGE

132' TAPER

175' TAPER

175' STORAGE

170' STORAGE

133' TAPER

MATCHLINE STA. 20+00

R=37-225' 2' OFFSET

PT STA 25+28.42

R=40'

81°30'59.46"

END IMPROVEMENTS STA 500+61.47

BIT. SURF. REM. BUTT JOINT

COMMERCIAL ENTRANCE

℄ DOUGLAS ROAD STA 23+07.21 = ℄ OLD POST ROAD STA 500+00.00

PR BIT EDGE OF SHOULDER

PR EDGE OF PAVEMENT

PR EDGE OF PAVEMENT

PR B-6.24 COMB CONC C&G

PR CONCRETE SIDEWALK, 5'

RELOCATE LIGHTING AND POLE

R=50'

R=32' (TYP.)

PR B-6.24 COMB CONC C&G

PR CONCRETE SIDEWALK, 5'

MATCHLINE STA. 35+00

END IMPROVEMENTS STA 33+52.60, 74' RT

MASON SQUARE ENTRANCE

CURVE DOUGLAS-1
PI STA. = 22+68.95
Δ = 55° 39' 33" (RT)
D = 9° 47' 39"
R = 585.00'
T = 308.82'
L = 568.29'
E = 76.51'
e = 0.0%
P.C. STA. = 19+60.13
P.T. STA. = 25+28.42

DOUGLAS ROAD

LEGEND

- PROPOSED ROW
- PR PERM. EASEMENT
- PR TEMP. EASEMENT
- X TREE REMOVAL

BM2:
CHISELED SQUARE IN WEST SIDE OF CONCRETE LIGHT POLE BASE SOUTH OF THE AMERICINN HOTEL AND WEST OF PETEY Z'S RESTAURANT AT 1100 DOUGLAS ROAD ON THE EAST SIDE OF DOUGLAS ROAD.
ELEV. = 664.44

BM3:
CHISELED SQUARE IN WEST SIDE OF CONCRETE LIGHT POLE BASE AT THE NORTH SIDE OF THE AMERICINN HOTEL AND SOUTH OF RETENTION POND.
ELEV. = 665.03

MATCHLINE STA. 20+00

VPI STA. 20+25
ELEV. = 662.26
L = 120.00'
ex = -0.08'
K = 218

VPI STA. 21+55
ELEV. = 660.83
L = 120.00'
ex = 0.05'
K = 369

VPI STA. 23+15
ELEV. = 659.59
L = 120.00'
ex = 0.27'
K = 66

℄ DOUGLAS ROAD STA. 23+07.21
℄ OLD POST ROAD STA. 500+00.00

EXISTING PROFILE GRADE LINE

PROPOSED PROFILE GRADE LINE

VPI STA. 26+25
ELEV. = 662.83

VPI STA. 28+15
ELEV. = 664.57
L = 150.00'
ex = -0.37'
K = 75

PI STA. 28+00
ELEV. 662.00

EXISTING PROFILE GRADE LINE

PROPOSED PROFILE GRADE LINE

VPI STA. 31+30
ELEV. = 661.17

VPI STA. 33+15
ELEV. = 659.61
L = 140.00'
ex = 0.31'
K = 78

℄ DOUGLAS ROAD STA. 33+52.58
℄ MASON SQUARE ENTRANCE

PI STA. 33+00
ELEV. 657.00

BEGIN RECONSTRUCTION STA. 34+98.00

MATCHLINE STA. 35+00

-0.55% -1.10% -0.78% +1.05% +0.92% -1.08% -0.84% +0.95%

-1.20% -1.40% +1.125% -1.000% +0.929% +0.786%

657.50 657.50 657.00 657.59

PROPOSED RIGHT DITCH PROFILE

PROPOSED LEFT DITCH PROFILE

PROPOSED LEFT DITCH PROFILE

PROPOSED LEFT DITCH PROFILE

PROPOSED RIGHT DITCH PROFILE

PROPOSED LEFT DITCH PROFILE

680 675 670 665 660 655 650 645 640

20+00	21+00	22+00	23+00	24+00	25+00	26+00	27+00	28+00	29+00	30+00	31+00	32+00	33+00	34+00	35+00
662.32	661.87	661.25	660.74	660.33	659.96	659.56	659.86	660.34	660.81	661.30	661.86	662.44	662.89	663.27	663.76	664.06	663.95	663.52	662.96	662.41	661.92	661.40	660.82	660.33	659.97	659.72	659.75	660.21	660.85	661.27
662.37	661.96	661.44	660.93	660.48	660.09	659.86	660.00	660.48	661.00	661.52	662.05	662.57	663.06	663.52	663.97	664.19	664.09	663.65	663.11	662.57	662.03	661.49	661.00	660.58	660.16	659.93	660.02	660.42	660.89	661.36

DOUGLAS ROAD STA. 20+00 TO STA. 35+00 – PLAN AND PROFILE

PLAN: SURVEYED; PLOTTED; DRAWN; CHECKED; R/T. OF WAY CHECKED; B.M. NOTED; CADD FILE NAME; NOTE BOOK; NO.; BY; DATE

PROFILE: SURVEYED; PLOTTED; DRAWN; CHECKED; B.M. NOTED; STRUCTURE NOTATIONS CHKD; NOTE BOOK; NO.; BY; DATE

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F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2508	02-00039-00-PV	KENDALL	146	26
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

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SCALE IN FEET 50 0 50 100

CURVE DOUGLAS-2
PI STA. = 39+13.93
Δ = 47° 06' 59" (LT)
D = 8° 40' 52"
R = 660.00'
T = 287.77'
L = 542.74'
E = 60.01'
e = 2%
T.R. = 59'
S.E. RUN = 59'
P.C. STA. = 36+26.16
P.T. STA. = 41+68.90
BEGIN S.E. = 36+46.00
END S.E. = 41+49.00

CURVE DOUGLAS-3
PI STA. = 45+37.38
Δ = 9° 44' 49" (RT)
D = 3° 57' 05"
R = 1,450.00'
T = 123.63'
L = 246.67'
E = 5.26'
e = 0.0%
P.C. STA. = 44+13.75
P.T. STA. = 46+60.42

℄ FARMINGTON LAKES DRIVE STA. 200+00.00 =
℄ DOUGLAS ROAD STA. 46+72.10

BARNABY DRIVE

MATCHLINE STA. 35+00

EX ROW

PC STA 36+26.16

175' TAPER

CURVE DOUGLAS-2
PR B-6.24 COMB CONC C&G
PR EDGE OF PAVEMENT
EXIST SIDEWALK TO REMAIN

END IMPROVEMENTS
STA. 100+80.65
PR CONCRETE SIDEWALK

91°03'23.16"
R=50'
(TYP.)

PR B-6.24 COMB CONC C&G
PR EDGE OF PAVEMENT
PR CONCRETE SIDEWALK, 5'

PROPOSED R.O.W. MATCHES EXISTING

115' STORAGE

132' TAPER

PT STA 41+68.90

℄ BARNABY DRIVE STA. 100+00.00 =
℄ DOUGLAS ROAD STA. 43+02.59

PR CONCRETE SIDEWALK, 5'

RELOCATE LIGHTING AND POLE

CURVE DOUGLAS-3
PR B-6.24 COMB CONC C&G
PR EDGE OF PAVEMENT
PR HMA SIDEWALK, 8' WIDE

STA. 44+44.48
11.5' R

PC STA 44+13.75

BEGIN RETAINING WALL
STA. 46+39.93, 50' L

BM4

PT STA 46+60.42

R=50'

134' TAPER

115' STORAGE

90°22'12.93"

END IMPROVEMENTS
STA. 201+10.32

PR B-6.24 COMB CONC C&G

EX ROW

FARMINGTON LAKES DRIVE

BEGIN RETAINING WALL
STA. 49+46.92, 50' L

END RETAINING WALL
STA. 48+93.6, 50' L

SANITARY MANHOLE
TO BE RECONSTRUCTED
EX RIM = 657.27
PR RIM = 661.76

PR RETAINING WALL

MATCHLINE STA. 50+00

R=50' (TYP.)

PR PRECAST CONC
3-SIDED BOX CULVERT
40' X 10', SKEWED 23°

SANITARY MANHOLE
TO BE RECONSTRUCTED
EX RIM = 659.36
PR RIM = 662.00

PR HMA SIDEWALK, 8'
PR B-6.24 COMB CONC C&G
PR EDGE OF PAVEMENT

NOTE: SEE CURB TRANSITION DETAIL FOR CURB TRANSITIONS

LEGEND

- PROPOSED ROW
- PR PERM. EASEMENT
- PR TEMP. EASEMENT
- X TREE REMOVAL

DOUGLAS ROAD

BM4:
RAILROAD SPIKE IN WEST SIDE OF HIGH POWER POLE ON THE EAST SIDE OF DOUGLAS ROAD AND SOUTH SIDE OF FARMINGTON LAKES DRIVE.
ELEV. = 665.11

MATCHLINE STA. 35+00

VPI STA. 36+40
ELEV. = 662.69
L = 200.00'
ex = -0.50'
K = 101

+0.95% +0.929% +0.786% +1.300% -1.100% -1.200% -2.700% +0.786% +0.933%

PI STA. 36+50 ELEV. 660.25
PI STA. 36+60 ELEV. 659.75
PI STA. 37+00 ELEV. 660.40
PROPOSED RIGHT DITCH PROFILE
PROPOSED LEFT DITCH PROFILE
PI STA. 38+50 ELEV. 658.60
PI STA. 39+00 ELEV. 657.25
PI STA. 39+00 ELEV. 657.50

VPI STA. 39+65
ELEV. = 659.48
L = 150.00'
ex = 0.39'
K = 72

EXISTING PROFILE GRADE LINE
PROPOSED PROFILE GRADE LINE

VPI STA. 42+85
ELEV. = 663.31
L = 200.00'
ex = -0.38'
K = 133

+1.20% -0.31% +0.933% +0.786% +0.300%

PI STA. 42+00 ELEV. 660.05
660.25
PI STA. 43+50 ELEV. 660.50

℄ DOUGLAS ROAD STA. 43+02.59
℄ BARNABY DRIVE STA. 100+00.00

VPI STA. 45+40
ELEV. = 662.52
L = 200.00'
ex = -0.13'
K = 385

-0.88% -0.500% 659.25

PROPOSED RIGHT DITCH PROFILE

℄ DOUGLAS ROAD STA. 46+72.10
℄ FARMINGTON LAKES DR. STA. 200+00.00

VPI STA. 47+55
ELEV. = 660.74
L = 150.00'
ex = 0.35'
K = 79

+1.06% -2.31%

VPI STA. 49+40
ELEV. = 662.70
L = 160.00'
ex = 0.67'
K = 47

STA. 49+12, EX MH
INV. N = 642.63
INV. SW = 642.48
12" SAN

STA. 48+86
EX 12" SAN PIPE
INV. = 638.10

MATCHLINE STA. 50+00

675 670 665 660 655 650 645 640

661.27 661.36 | 661.77 661.83 | 662.15 662.14 | 662.26 662.20 | 661.94 662.02 | 661.50 661.60 | 660.98 661.11 | 660.51 660.62 | 660.06 660.13 | 659.79 659.89 | 659.92 660.02 | 660.39 660.50 | 660.92 661.10 | 661.46 661.70 | 662.10 662.29 | 662.85 662.74 | 662.87 662.99 | 662.88 663.07 | 662.85 662.96 | 662.78 662.80 | 662.62 662.60 | 662.12 662.33 | 661.76 662.00 | 661.40 661.61 | 660.98 661.22 | 660.76 661.09 | 660.73 661.27 | 661.01 661.75 | 661.20 662.11 | 660.96 661.95 | 660.36 661.27

35+00 36+00 37+00 38+00 39+00 40+00 41+00 42+00 43+00 44+00 45+00 46+00 47+00 48+00 49+00 50+00

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DATE | BY | NOTE BOOK NO. | SURVEYED | PLOTTED | ALIGNMENT CHECKED | BLM. NOTED | STRUCTURE NOTATNS CKD | PROFILE

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DOUGLAS ROAD STA. 35+00 TO STA. 50+00 – PLAN AND PROFILE

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2508	02-00039-00-PV	KENDALL	146	27
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

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SCALE IN FEET

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PLOTTED BY
ALIGNMENT CHECKED
GRADES CHECKED
R.W. OF WAY CHECKED
NOTE BOOK
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SAUGATUCK ROAD

PR HMA SIDEWALK, 8′
PR B-6.24 COMB CONC C&G
PR EDGE OF PAVEMENT
END RETAINING WALL
STA. 51+00, 48.5′ L
PR CONCRETE SIDEWALK, 4′
R=50′ (TYP.)
R=108′
R=100′
PR B-6.24 COMB CONC C&G TRANSITION (TYP.)
END IMPROVEMENTS STA. 300+80.27
PR CONCRETE SIDEWALK, 4′
BEGIN PR NOISE BARRIER STA. 54+69.00, 53′ L
PR B-6.24 COMB CONC C&G
PR EDGE OF PAVEMENT
PR NOISE BARRIER
MATCHLINE STA. 50+00
MATCHLINE STA. 62+00
EX ROW
132′ TAPER
115′ STORAGE
EX BIKE PATH
℄ SAUGATUCK ROAD STA. 302+00.00 = ℄ DOUGLAS ROAD STA. 54+24.03
BEGIN PR NOISE BARRIER STA. 54+34.0, 60′ R
89°54′43.07″
PR EDGE OF PAVEMENT
PR B-6.24 COMB CONC C&G
PR HMA SIDEWALK, 8′
PR NOISE BARRIER
EX. MUNICIPAL UTILITY EASEMENT

DOUGLAS ROAD

LEGEND
PROPOSED ROW
PR PERM. EASEMENT
PR TEMP. EASEMENT
TREE REMOVAL

PROFILE
SURVEYED DATE
PLOTTED BY
GRADES CHECKED
R.W. OF WAY CHECKED
NOTE BOOK
NO.

VPI STA. 51+35
ELEV. = 658.20
L = 220.00′
ex = 1.19′
K = 51
-2.31%
+2.02%
℄ DOUGLAS RAOD STA. 54+24.03
℄ SAUGATUCK ROAD STA. 302+00.00
VPI STA. 54+95
ELEV. = 665.47
L = 140.00′
ex = 0.20′
K = 121
+3.18%
VPI STA. 57+00
ELEV. = 671.99
L = 210.00′
ex = -0.91′
K = 60
-0.30%
EXISTING PROFILE GRADE LINE
PROPOSED PROFILE GRADE LINE
PI STA. 54+00 ELEV. 660.89
PI STA. 56+50 ELEV. 668.55
PI STA. 60+50 ELEV. 669.75
MATCHLINE STA. 50+00
MATCHLINE STA. 62+00
12" SAN
STA. 50+13, EX MH
INV. N = 643.73
INV. S = 643.18
STA. 53+70, EX MH
INV. S = 645.00

	50+00	51+00	52+00	53+00	54+00	55+00	56+00	57+00	58+00	59+00	60+00	61+00	62+00
EX	660.36	659.43	658.85	659.07	659.71	660.56	661.67	662.79	663.73	664.60	665.74	667.29	668.85
PR	661.27	660.22	659.56	659.39	659.71	660.52	661.53	662.54	663.55	664.59	665.80	667.23	668.81
EX	668.85	669.85	670.34	670.73	671.00	671.02	670.96	671.02	671.16	671.28	671.25	671.11	670.73
PR	670.15	670.08	671.08	671.59	671.69	671.54	671.39	671.24	671.09	670.94	670.79	670.64	670.49

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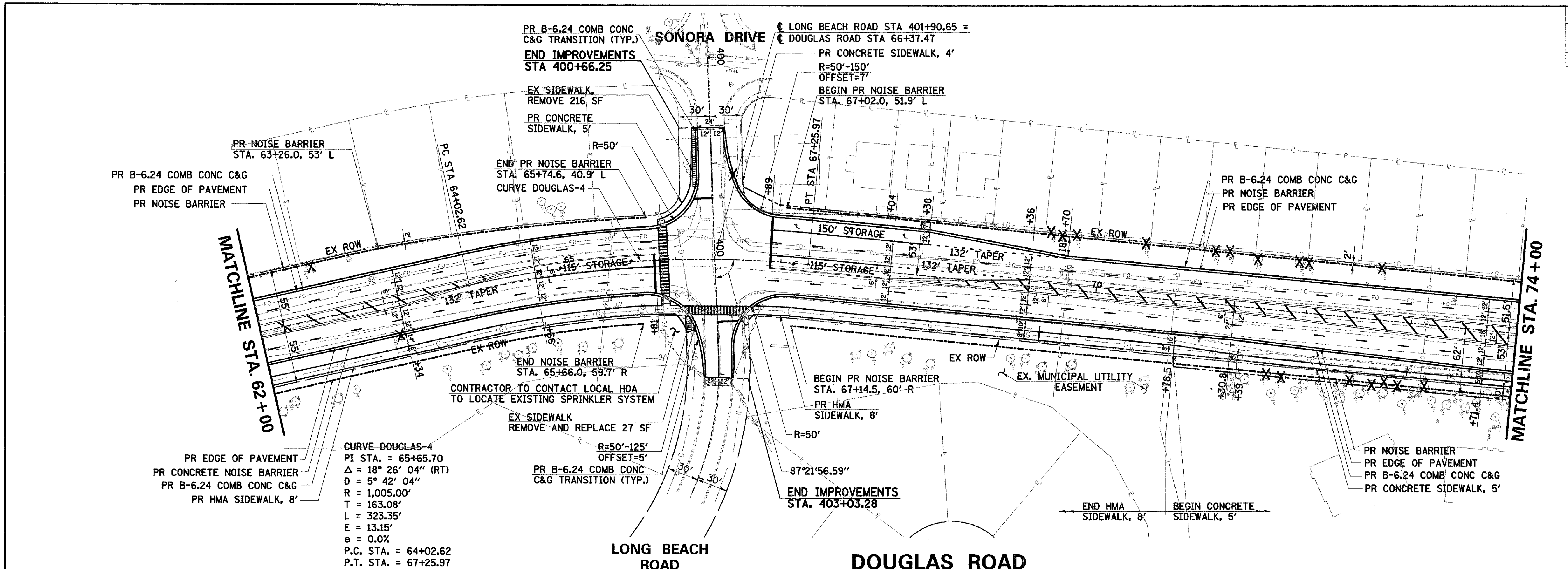
DOUGLAS ROAD STA.50+00 TO STA. 62+00 – PLAN AND PROFILE

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2508	02-00039-00-PV	KENDALL	146	28
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

87333



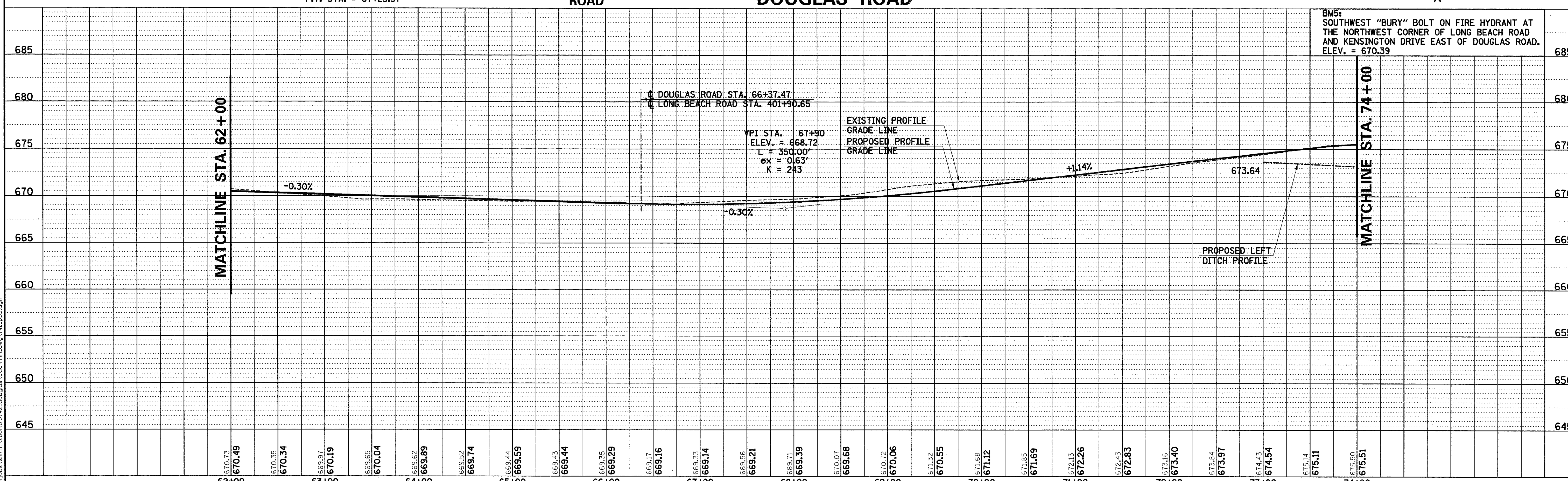
SCALE IN FEET
50 0 50 100
SONORA DRIVE
PR B-6.24 COMB CONC C&G TRANSITION (TYP.)
END IMPROVEMENTS STA 400+66.25
EX SIDEWALK, REMOVE 216 SF
PR CONCRETE SIDEWALK, 5'
R=50'
END PR NOISE BARRIER STA. 65+74.6, 40.9' L
CURVE DOUGLAS-4
PR NOISE BARRIER STA. 63+26.0, 53' L
PR B-6.24 COMB CONC C&G
PR EDGE OF PAVEMENT
PR NOISE BARRIER
PC STA 64+02.62
℄ LONG BEACH ROAD STA 401+90.65 = ℄ DOUGLAS ROAD STA 66+37.47
PR CONCRETE SIDEWALK, 4'
R=50'-150'
OFFSET=7'
BEGIN PR NOISE BARRIER STA. 67+02.0, 51.9' L
PT STA 67+25.97
150' STORAGE
115' STORAGE
132' TAPER
EX ROW
MATCHLINE STA. 62+00
MATCHLINE STA. 74+00
END NOISE BARRIER STA. 65+66.0, 59.7' R
CONTRACTOR TO CONTACT LOCAL HOA TO LOCATE EXISTING SPRINKLER SYSTEM
EX SIDEWALK REMOVE AND REPLACE 27 SF
R=50'-125'
OFFSET=5'
PR B-6.24 COMB CONC C&G TRANSITION (TYP.)
BEGIN PR NOISE BARRIER STA. 67+14.5, 60' R
PR HMA SIDEWALK, 8'
R=50'
87°21'56.59"
END IMPROVEMENTS STA. 403+03.28
EX. MUNICIPAL UTILITY EASEMENT
PR EDGE OF PAVEMENT
PR CONCRETE NOISE BARRIER
PR B-6.24 COMB CONC C&G
PR HMA SIDEWALK, 8'
CURVE DOUGLAS-4
PI STA. = 65+65.70
Δ = 18° 26' 04" (RT)
D = 5° 42' 04"
R = 1,005.00'
T = 163.08'
L = 323.35'
E = 13.15'
e = 0.0%
P.C. STA. = 64+02.62
P.T. STA. = 67+25.97
LONG BEACH ROAD
DOUGLAS ROAD
END HMA SIDEWALK, 8'
BEGIN CONCRETE SIDEWALK, 5'
PR NOISE BARRIER
PR EDGE OF PAVEMENT
PR B-6.24 COMB CONC C&G
PR CONCRETE SIDEWALK, 5'

NOTE: SEE CURB TRANSITION DETAIL FOR CURB TRANSITIONS

LEGEND

- PROPOSED ROW
- PR PERM. EASEMENT
- PR TEMP. EASEMENT
- X TREE REMOVAL

BM5:
SOUTHWEST "BURY" BOLT ON FIRE HYDRANT AT THE NORTHWEST CORNER OF LONG BEACH ROAD AND KENSINGTON DRIVE EAST OF DOUGLAS ROAD.
ELEV. = 670.39



685
680
675
670
665
660
655
650
645
MATCHLINE STA. 62+00
MATCHLINE STA. 74+00
℄ DOUGLAS ROAD STA. 66+37.47
℄ LONG BEACH ROAD STA. 401+90.65
VPI STA. 67+90
ELEV. = 668.72
L = 350.00'
ex = 0.63'
K = 243
EXISTING PROFILE GRADE LINE
PROPOSED PROFILE GRADE LINE
-0.30%
-0.30%
+1.14%
673.64
PROPOSED LEFT DITCH PROFILE
670.73 670.49
670.35 670.34
669.97 670.19
669.65 670.04
669.62 669.89
669.52 669.74
669.44 669.59
669.43 669.44
669.35 669.29
669.17 669.16
669.33 669.14
669.56 669.21
669.71 669.39
670.07 669.68
670.72 670.06
671.32 670.55
671.68 671.12
671.85 671.69
672.13 672.26
672.43 672.83
673.16 673.40
673.84 673.97
674.43 674.54
675.14 675.11
675.50 675.51
62+00
63+00
64+00
65+00
66+00
67+00
68+00
69+00
70+00
71+00
72+00
73+00
74+00

DOUGLAS ROAD STA.62+00 TO STA. 74+00 - PLAN AND PROFILE

PLAN — SURVEYED / PLOTTED / ALIGNMENT CHECKED / RT. OF WAY CHECKED / CADD FILE NAME — NOTE BOOK / NO. — BY / DATE

PROFILE — SURVEYED / PLOTTED / GRADES CHECKED / B.M. NOTED / STRUCTURE NOTATNS CHKD — NOTE BOOK / NO. — BY / DATE

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F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2508	02-00039-00-PV	KENDALL	146	29
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

87333

SCALE IN FEET

CURVE DOUGLAS-5
PI STA. = 79+59.17
Δ = 0° 37′ 59″ (RT)
D = 0° 17′ 11″
R = 20,000.00′
T = 110.51′
L = 221.02′
E = 0.31′
e = N.C.
P.C. STA. = 78+48.66
P.T. STA. = 80+69.68

CURVE DOUGLAS-6
PI STA. = 86+44.34
Δ = 3° 05′ 12″ (RT)
D = 1° 25′ 57″
R = 4,000.00′
T = 107.77′
L = 215.50′
E = 1.45′
e = N.C.
P.C. STA. = 85+36.57
P.T. STA. = 87+52.06

FERNWOOD ROAD
SONORA DRIVE
E. MERCHANTS DRIVE
N. MERCHANTS DRIVE
WIESBROOK ROAD
DOUGLAS ROAD
COMMERCIAL ENTRANCE
TOWNES CROSSING ENTRANCE
MATCHLINE STA. 74+00
MATCHLINE STA. 86+00

PR B-6.24 COMB CONC C&G TRANSITION (TYP.)
STA 503+62.78
END IMPROVEMENTS
℄ FERNWOOD ROAD STA 505+00.00 =
℄ DOUGLAS ROAD STA 80+28.14
ROADWAY PATCH FOR UTILITIES
PR CONCRETE SIDEWALK, 5′
PR NOISE BARRIER
PR B-6.24 COMB CONC C&G
PR EDGE OF PAVEMENT
℄ DOUGLAS ROAD STA. 74+98.22
℄ WIESBROOK ROAD
PR MEDIAN TYPE SB6.12
END PR NOISE BARRIER STA. 79+59.0, 48′ L
PR B-6.24 COMB CONC C&G
PR EDGE OF PAVEMENT
PR MEDIAN TYPE SB6.12
CURVE DOUGLAS-5
R=50′-150′
OFFSET=7′
END IMPROVEMENTS
STA. 85+28.37, 61.20′ LT
SEE DETAIL-1
C.E. +10
38′
R=30′ (TYP.)
EX ROW
144′ STORAGE
132′ TAPER
150′ STORAGE
132′ TAPER
101′ TAPER
115′ STORAGE
115′ STORAGE
120′ TAPER
86′ TAPER
132′ STORAGE
R=40′
R=19.36′
R=25′
R=50′
89°40′0.28″
R=50′
89°45′36.58″
R=2′
R=50′
R=2′
R=40′
R=50′
R=5′
R=3′
R=50′
R=20′
R=38.5′
79°46′54.64″
R=4.58′
B-6 CONC BARRIER CURB
STA. 85+41.85
44.5′ L
STA. 85+32.92
48.5′ L
PROPOSED R.O.W.
EX CURB, REMOVE 14 LF
EXIST LIGHT TO BE RELOCATED BY OTHERS
B-6.24 PR COMB CONC C&G
PR EDGE OF PAVEMENT
PR CONCRETE SIDEWALK, 5′
END PR NOISE BARRIER STA. 74+50.50, 53.5′ R
STA 74+98.81, 86.1′ RT
END IMPROVEMENTS
PR B-6.24 COMB CONC C&G TRANSITION (TYP.)
PR EDGE OF PAVEMENT
PR B-6.24 COMB CONC C&G
PR CONCRETE SIDEWALK, 5′
EXIST SIGN TO REMAIN
CONCRETE ISLAND TO BE REMOVED
EXIST SIGN AND BRICK WALL TO BE MOVED BY OTHERS
℄ FERNWOOD ROAD STA 600+00.00 =
℄ DOUGLAS ROAD STA 80+04.51
R=50′-200′
OFFSET=5′
PC STA 78+48.66
PT STA 80+69.68
EX SIGNS TO REMAIN
EX LIGHT POLE TO REMAIN
END IMPROVEMENTS
STA 601+14.13
EXIST SIGN TO BE MOVED BY OTHERS
88°01′4.8″
END IMPROVEMENTS
STA. 700+95.74
PC STA 85+36.57
EX ROW
PR B-6.24 COMB CONC C&G
PR EDGE OF PAVEMENT
PR MEDIAN TYPE SB6.12
℄ TOWNES CROSSING ENTRANCE STA 100+00.00 =
℄ DOUGLAS ROAD STA 83+34.53

NOTE: SEE CURB TRANSITION DETAIL FOR CURB TRANSITIONS

LEGEND

- PROPOSED ROW
- PR PERM. EASEMENT
- PR TEMP. EASEMENT
- X TREE REMOVAL

BM6:
CHISELED SQUARE IN WEST SIDE OF CONCRETE LIGHT POLE BASE AT THE SOUTHEAST CORNER OF DOUGLAS ROAD AND WEISBROOK DRIVE, SOUTH OF ARBY'S DRIVE UP WINDOW.
ELEV. = 675.51

BM7:
CHISELED SQUARE IN WEST SIDE OF CONCRETE LIGHT POLE BASE NORTH OF THE JEWEL OSCO (TOWNES CROSSING) ENTRANCE ON THE EAST SIDE OF DOUGLAS ROAD.
ELEV. = 674.78

VPI STA. 74+50
ELEV. = 676.25
L = 180.00′
ex = -0.86′
K = 47
+1.14%
-0.50%
-2.69%
672.39
VPI STA. 77+20
ELEV. = 669.00
L = 340.00′
ex = 1.36′
K = 106
+0.52%
669.65
VPI STA. 80+50
ELEV. = 670.70
L = 200.00′
ex = 0.08′
K = 594
+0.85%
+0.49%
670.50
VPI STA. 84+75
ELEV. = 674.32
L = 150.00′
ex = -0.22′
K = 130
-0.30%
+0.29%
670.98
671.50
℄ DOUGLAS ROAD STA. 74+98.22
℄ WIESBROOK ROAD
℄ DOUGLAS ROAD STA. 80+04.51
℄ FERNWOOD ROAD STA. 300+00.00
℄ DOUGLAS ROAD STA. 80+28.14
℄ FERNWOOD ROAD STA. 200+00.00
℄ DOUGLAS ROAD STA. 83+34.53
℄ TOWNES CROSSING STA. 100+00.00
EXISTING PROFILE GRADE LINE
PROPOSED PROFILE GRADE LINE
PR CENTERLINE PROFILE
EX CENTERLINE PROFILE
PROPOSED LEFT DITCH PROFILE
PROPOSED RIGHT DITCH PROFILE
PROPOSED RIGHT DITCH PROFILE

685 680 675 670 665 660 655 650 645

74+00 75+00 76+00 77+00 78+00 79+00 80+00 81+00 82+00 83+00 84+00 85+00 86+00

675.50 675.51 | 675.37 675.39 | 674.66 674.74 | 673.53 673.56 | 672.19 672.34 | 670.92 671.35 | 670.36 670.60 | 670.28 670.08 | 670.26 669.79 | 670.22 669.74 | 670.22 669.93 | 670.23 670.18 | 670.27 670.46 | 670.47 670.78 | 671.12 671.15 | 671.68 671.55 | 672.06 671.98 | 672.42 672.40 | 672.81 672.83 | 673.26 673.26 | 673.47 673.68 | 673.59 674.01 | 673.71 674.15 | 674.14 674.09 | 674.16 673.94

DOUGLAS ROAD STA.74+00 TO STA. 86+00 – PLAN AND PROFILE

PLAN
SURVEYED
DRAWN
ALIGNMENT CHECKED
GRADES CHECKED
BM, NOTED
STRUCTURE NOTATIONS CHK'D
NOTE BOOK
NO.
BY
DATE

PROFILE
SURVEYED
DRAWN
GRADES CHECKED
BM, NOTED
STRUCTURE NOTATIONS CHK'D
NOTE BOOK
NO.

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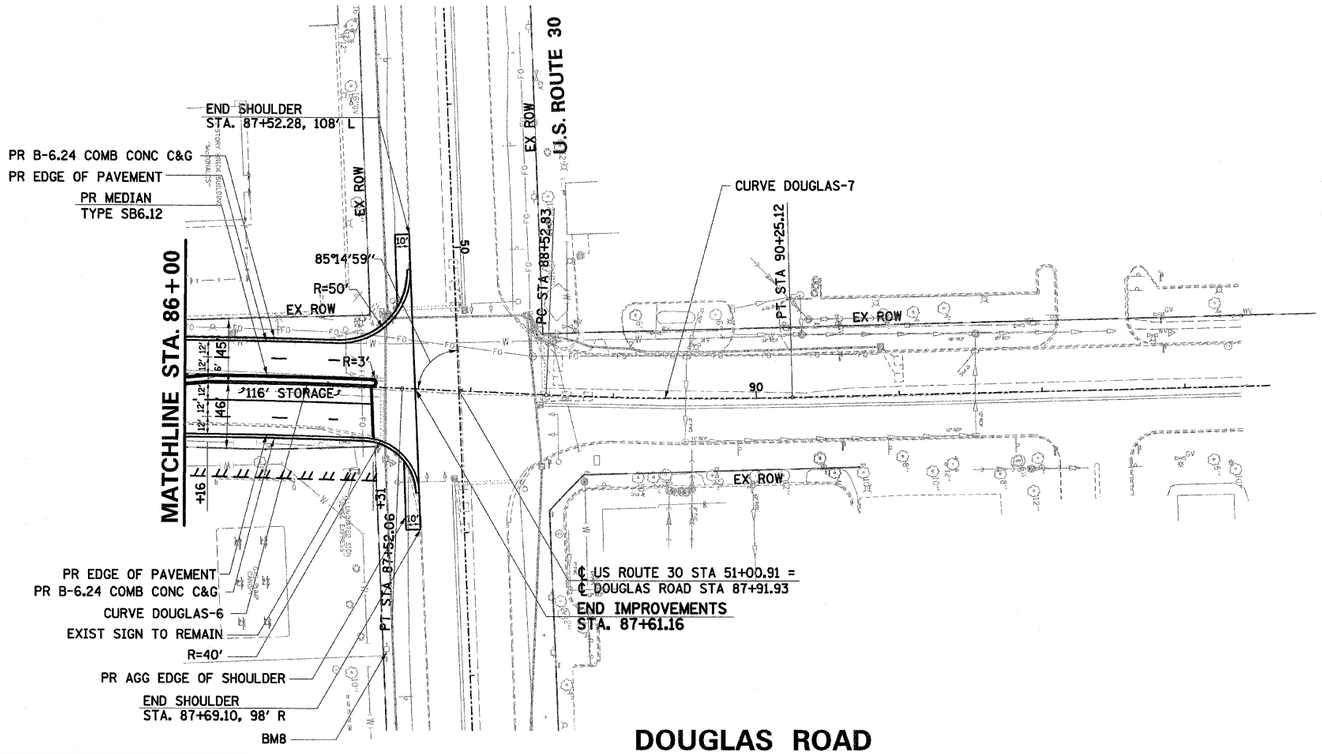
CURVE DOUGLAS-6
PI STA. = 86+44.34
Δ = 3° 05′ 12″ (RT)
D = 1° 25′ 57″
R = 4,000.00′
T = 107.77′
L = 215.50′
E = 1.45′
e = N.C.
P.C. STA. = 85+36.57
P.T. STA. = 87+52.06

CURVE DOUGLAS-7
PI STA. = 89+39.01
Δ = 3° 56′ 55″ (LT)
D = 2° 17′ 31″
R = 2,500.00′
T = 86.18′
L = 172.29′
E = 1.48′
e = N.C.
P.C. STA. = 88+52.83
P.T. STA. = 90+25.12



DOUGLAS ROAD

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2508	02-00039-00-PV	KENDALL	146	30
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

87333

50 0 50 100
SCALE IN FEET

NOTE: SEE CURB TRANSITION DETAIL FOR CURB TRANSITIONS

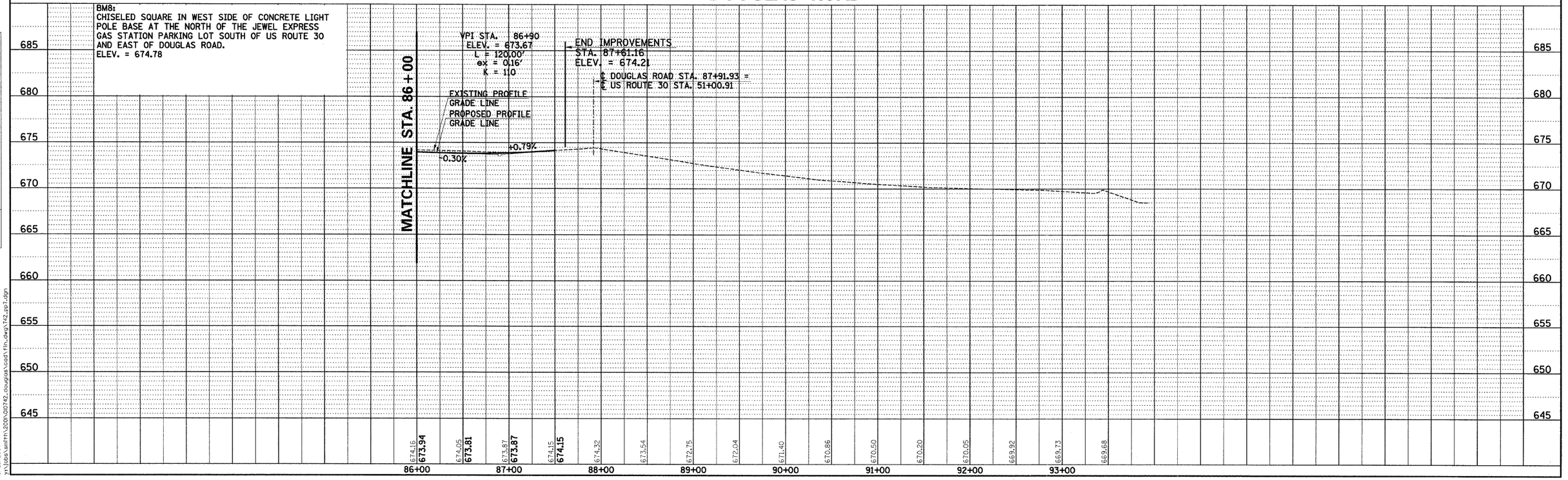
LEGEND

——— - ——— PROPOSED ROW
PR PERM. EASEMENT
PR TEMP. EASEMENT
X TREE REMOVAL

PLAN — SURVEYED / DRAWN / ALIGNMENT CHECKED / RT. OF WAY CHECKED / ROAD FILE NAME / NOTE BOOK / NO. / BY / DATE

PROFILE — SURVEYED / DRAWN / GRADES CHECKED / BM. NOTED / STRUCTURE NOTATNS CHKD / NOTE BOOK / NO. / BY / DATE

BM8:
CHISELED SQUARE IN WEST SIDE OF CONCRETE LIGHT POLE BASE AT THE NORTH OF THE JEWEL EXPRESS GAS STATION PARKING LOT SOUTH OF US ROUTE 30 AND EAST OF DOUGLAS ROAD.
ELEV. = 674.78



DOUGLAS ROAD STA.86+00 TO STA. 87+61.16 – PLAN AND PROFILE

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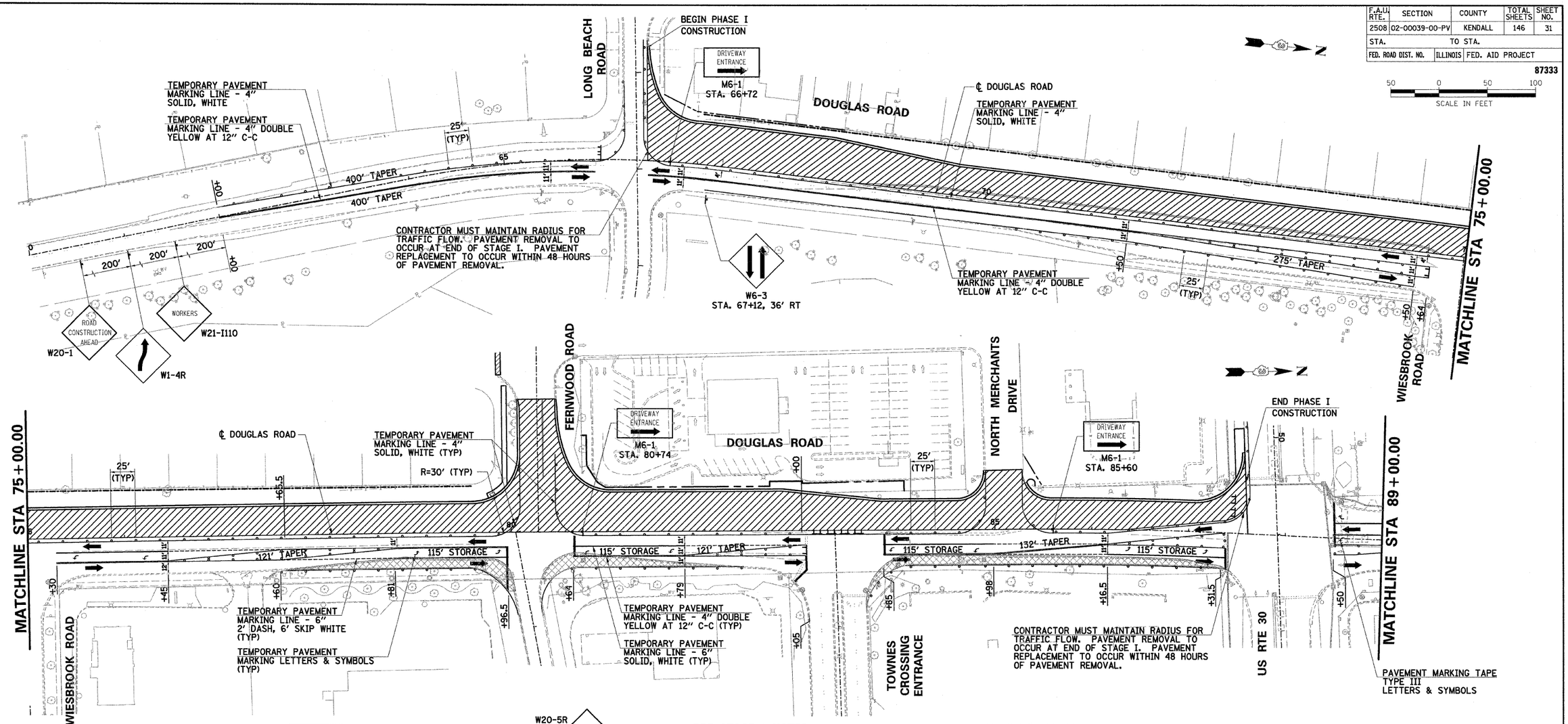
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2508	02-00039-00-PV	KENDALL	146	31
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

87333

SCALE IN FEET 50 0 50 100

PLAN — SURVEYED / DATE / BY / ALIGNMENT CHECKED / R/W CHECKED / ROAD FILE NAME / NOTE BOOK / NO.

PROFILE — SURVEYED / DATE / QUANTITIES CHECKED / R.M. NOTED / STRUCTURE NOTATIONS CHKD / NOTE BOOK / NO.



PRE-STAGE 1 NOTES

1. INSTALL WATERMAIN FROM LONG BEACH ROAD TO FERNWOOD ROAD.
2. INSTALL TEMPORARY SIGNALS AT U.S. ROUTE 30, TOWNES CROSSING, AND FERNWOOD. SIGNAL HEADS WILL NEED TO BE RELOCATED IN STAGE II AND STAGE III.
3. REMOVE EXISTING BARRIER MEDIAN FROM TOWNES CROSSING TO U.S. ROUTE 30. REMOVE EXISTING EAST CURB AND GUTTER AND INSTALL TEMPORARY PAVEMENT FROM 77+66 TO U.S. ROUTE 30 FOR STAGE I.
4. INSTALL TEMPORARY PAVEMENT MARKING AND REMOVE EXISTING PAVEMENT MARKING THAT CONFLICT WITH TEMPORARY MARKING.
5. SAWCUT EDGE OF PAVEMENT PRIOR TO PAVEMENT REMOVAL. THIS WILL NOT BE PAID FOR SEPERATELY, BUT INCLUDED IN THE UNIT PRICE FOR THE ASSOCIATED ITEMS.
6. INSTALL STORM SEWER MAIN LINE LATERALS, AND APPLICABLE STRUCTURES FOR PHASE I AND PHASE II. DO NOT INSTALL FRAME AND GRATES AT THIS TIME.
7. PROVIDE POSITIVE DRAINAGE INTO INLETS.

STAGE 1 NOTES

1. TRAFFIC USES NORTHBOUND LANES. PROVIDE ONE LANE OF TRAFFIC IN EACH DIRECTION AND A LEFT TURN LANE AT THE INTERSECTIONS. MINIMUM LANE WIDTH = 11'
2. RECONSTRUCT THE SOUTHBOUND LANES AND HALF OF THE TURN LANE. (CONSTRUCT UP TO THE CENTERLINE OF THE PAVEMENT.)
3. DO NOT PLACE SURFACE COURSE. (SURFACE COURSE TO BE PLACED DURING PHASE III).
4. DO NOT INSTALL CURBED MEDIAN AT THIS TIME AT ALL LOCATIONS IN ORDER TO PROVIDE ROOM FOR TRAFFIC IN STAGE II.
5. DO NOT INSTALL WEST CURB AND GUTTER FROM STA. 72+50 TO 80+00 AND FROM STA. 82+80 TO 87+50 AT THIS TIME IN ORDER TO PROVIDE ROOM FOR TRAFFIC IN STAGE II.
6. INTERSECTION STAGING - DO NOT CLOSE NORTH MERCHANTS DRIVE AND FERNWOOD ROAD WEST AT THE SAME TIME. ONE WEEK CLOSURE PERIOD FOR EACH INTERSECTION AT SEPERATE TIMES WILL BE ALLOWED.

LEGEND

- WORK ZONE
- TEMPORARY PAVEMENT
- DRUM OR TYPE II BARRICADE WITH STEADY BURN MONODIRECTIONAL BEACON
- SIGN ON PORTABLE OR PERMANENT SUPPORT
- TYPE III BARRICADE

ILLINOIS DEPARTMENT OF TRANSPORTATION

F.A.U. 2508 – DOUGLAS ROAD (U.S. RTE 34 TO U.S. RTE 30)

MAINTENANCE OF TRAFFIC PHASE I – STAGE 1 DOUGLAS ROAD

SCALE: VERT. HORIZ. DRAWN BY BAH

DATE CHECKED BY CRF

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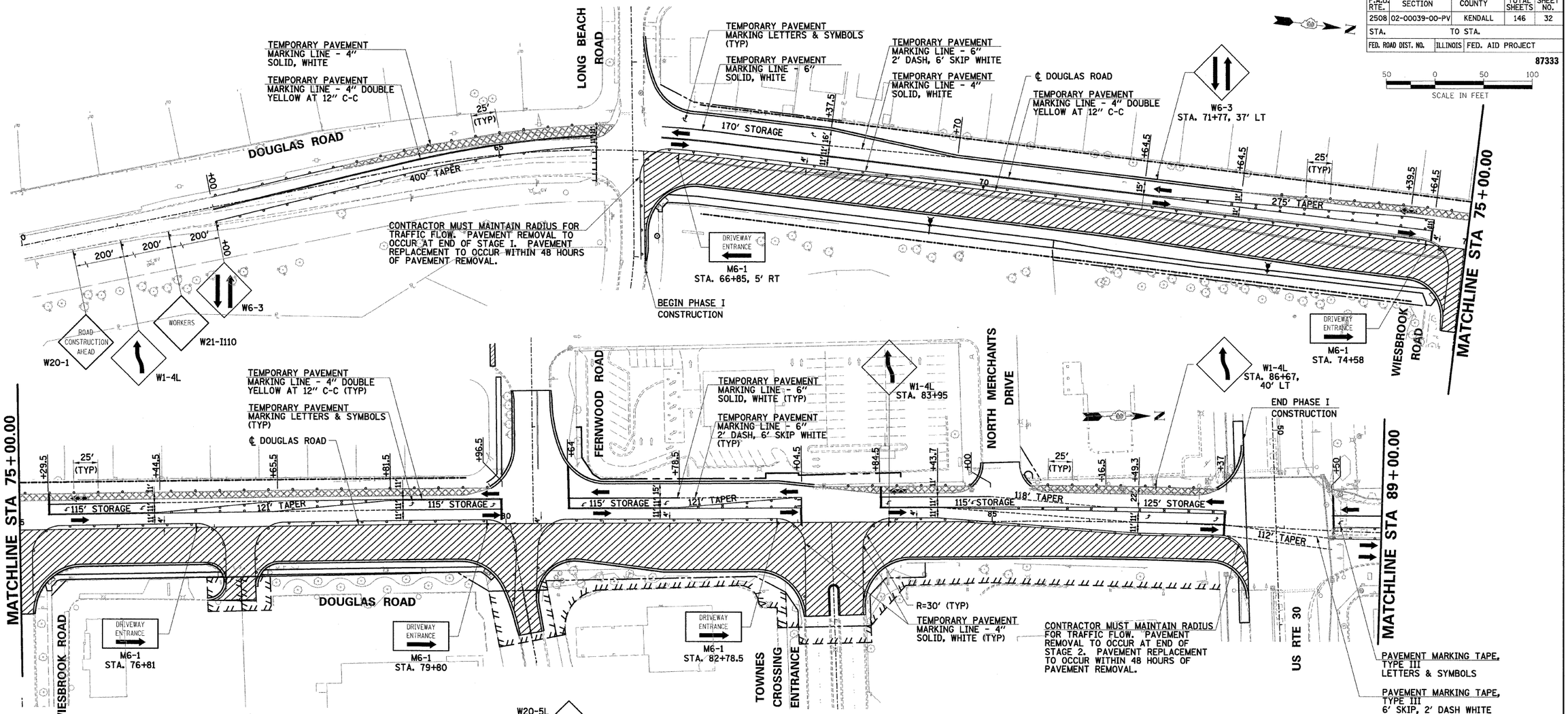
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2508	02-00039-00-PV	KENDALL	146	32
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

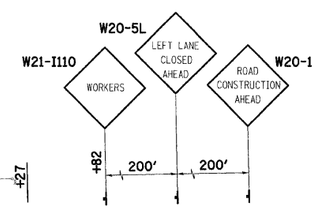
87333

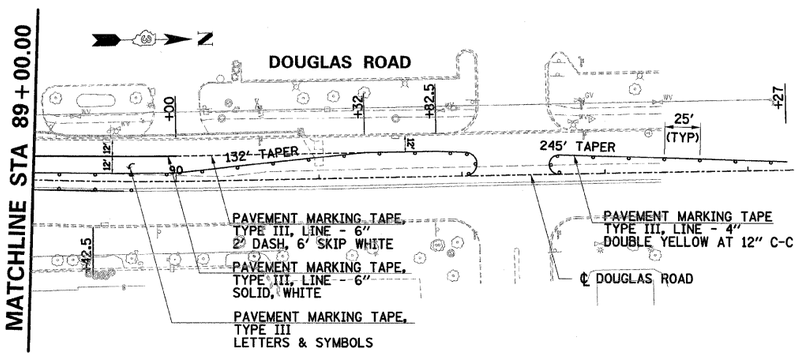
SCALE IN FEET 50 0 50 100

PLAN — SURVEYED / PLOTTED / AREA MEASURED / R/T OF WAY CHECKED / NOTE BOOK / NO. / BY / DATE

PROFILE — SURVEYED / PLOTTED / GRADES CHECKED / B.M. NOTED / STRUCTURE NO. / STATING DATUM / BY / DATE







STAGE 2 NOTES

1. INSTALL TEMPORARY PAVEMENT MARKING AND REMOVE EXISTING PAVEMENT MARKING THAT CONFLICTS WITH TEMPORARY PAVEMENT MARKING.
2. RELOCATE TRAFFIC SIGNAL HEADS FOR STAGE II.
3. MOVE TRAFFIC TO SOUTHBOUND LANES. PROVIDE ONE LANE OF TRAFFIC IN EACH DIRECTION AND A LEFT TURN LANE AT THE INTERSECTIONS. MINIMUM LANE WIDTH = 11'.
4. REMOVE TEMPORARY PAVEMENT FOR STAGE I.
5. RECONSTRUCT THE NORTHBOUND LANES AND HALF OF THE TURN LANE. (CONSTRUCT UP TO THE CENTERLINE OF THE PAVEMENT.
6. DO NOT PLACE SURFACE COURSE. (SURFACE COURSE TO BE PLACED DURING PHASE III).
7. DO NOT INSTALL CURBED MEDIAN AT THIS TIME (ALL LOCATIONS).
8. INSTALL EAST CURB AND GUTTER.
9. INTERSECTION STAGING:
   - A. PROVIDE ONE LANE OF TRAFFIC IN EACH DIRECTION ON TOWNES CROSSING ENTRANCE AT ALL TIMES.
   - B. SHORT CLOSURE OF FERNWOOD ROAD EAST WILL BE ALLOWED. ONE WEEK CLOSURE PERIOD FOR THE INTERSECTION WILL BE ALLOWED.
   - C. DO NOT CLOSE WIESBROOK ROAD AND THE DRIVEWAY NORTH OF WIESBROOK ROAD AT THE SAME TIME. ONE WEEK CLOSURE PERIOD FOR EACH INTERSECTION AT SEPERATE TIMES WILL BE ALLOWED.

LEGEND

- WORK ZONE
- TEMPORARY PAVEMENT
- DRUM OR TYPE II BARRICADE WITH STEADY BURN MONODIRECTIONAL BEACON
- SIGN ON PORTABLE OR PERMANENT SUPPORT
- TYPE III BARRICADE

ILLINOIS DEPARTMENT OF TRANSPORTATION

F.A.U. 2508 – DOUGLAS ROAD (U.S. RTE 34 TO U.S. RTE 30)

MAINTENANCE OF TRAFFIC PHASE I – STAGE 2 DOUGLAS ROAD

SCALE: VERT. HORIZ.

DATE

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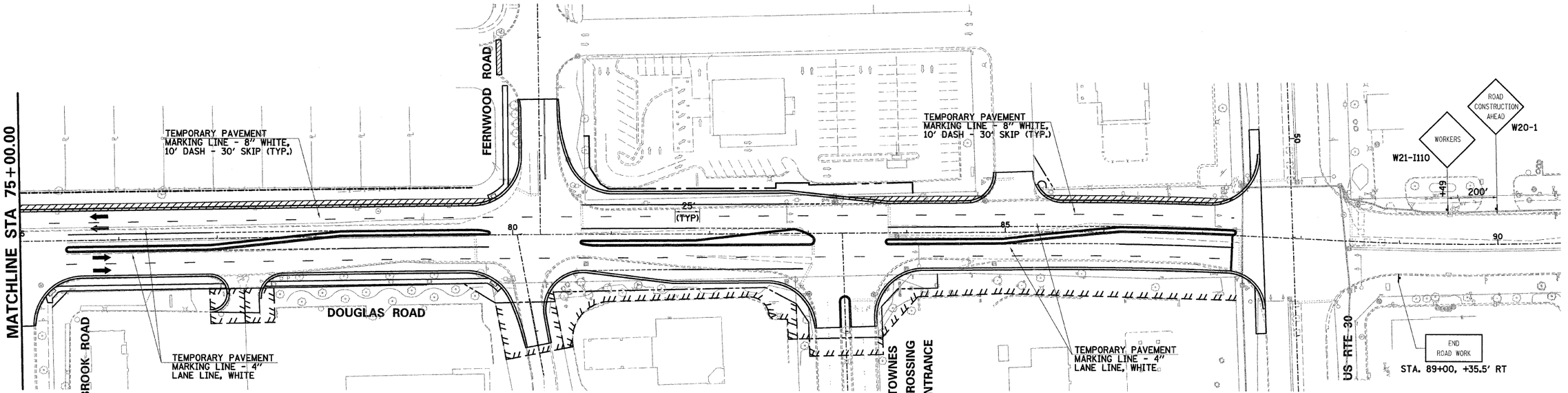
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2508	02-00039-00-PV	KENDALL	146	33
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

87333

50 0 50 100

SCALE IN FEET

N



STAGE 3 NOTES

1. USE APPLICABLE LANE CLOSURES AND TRAFFIC CONTROL STANDARDS TO INSTALL WEST CURB AND GUTTER AND REMOVE TEMPORARY PAVEMENT.
2. USE APPLICABLE LANE CLOSURES AND TRAFFIC CONTROL STANDARDS TO INSTALL CURBED MEDIAN.
3. INSTALL FRAMES AND GRATES.
4. DO NOT INSTALL WEST CURB AND GUTTER AND CURBED MEDIANS AT THE SAME TIME TO MINIMIZE DISRUPTION TO TRAFFIC.
5. INSTALL PERMANENT TRAFFIC SIGNALS IF EQUIPMENT IS AVAILABLE. OTHERWISE RELOCATE TRAFFIC SIGNAL HEADS FROM STAGE II.
6. INSTALL TEMPORARY PAVEMENT MARKING.

LEGEND

- WORK ZONE
- TEMPORARY PAVEMENT
- DRUM OR TYPE II BARRICADE WITH STEADY BURN MONODIRECTIONAL BEACON
- SIGN ON PORTABLE OR PERMANENT SUPPORT
- TYPE III BARRICADE

ILLINOIS DEPARTMENT OF TRANSPORTATION

F.A.U. 2508 – DOUGLAS ROAD (U.S. RTE 34 TO U.S. RTE 30)

MAINTENANCE OF TRAFFIC PHASE I – STAGE 3 DOUGLAS ROAD

SCALE: VERT. HORIZ.

DATE

DRAWN BY BAH

CHECKED BY CRF

PLAN
SURVEYED
PLOTTED
NOTE BOOK
NO.
BY
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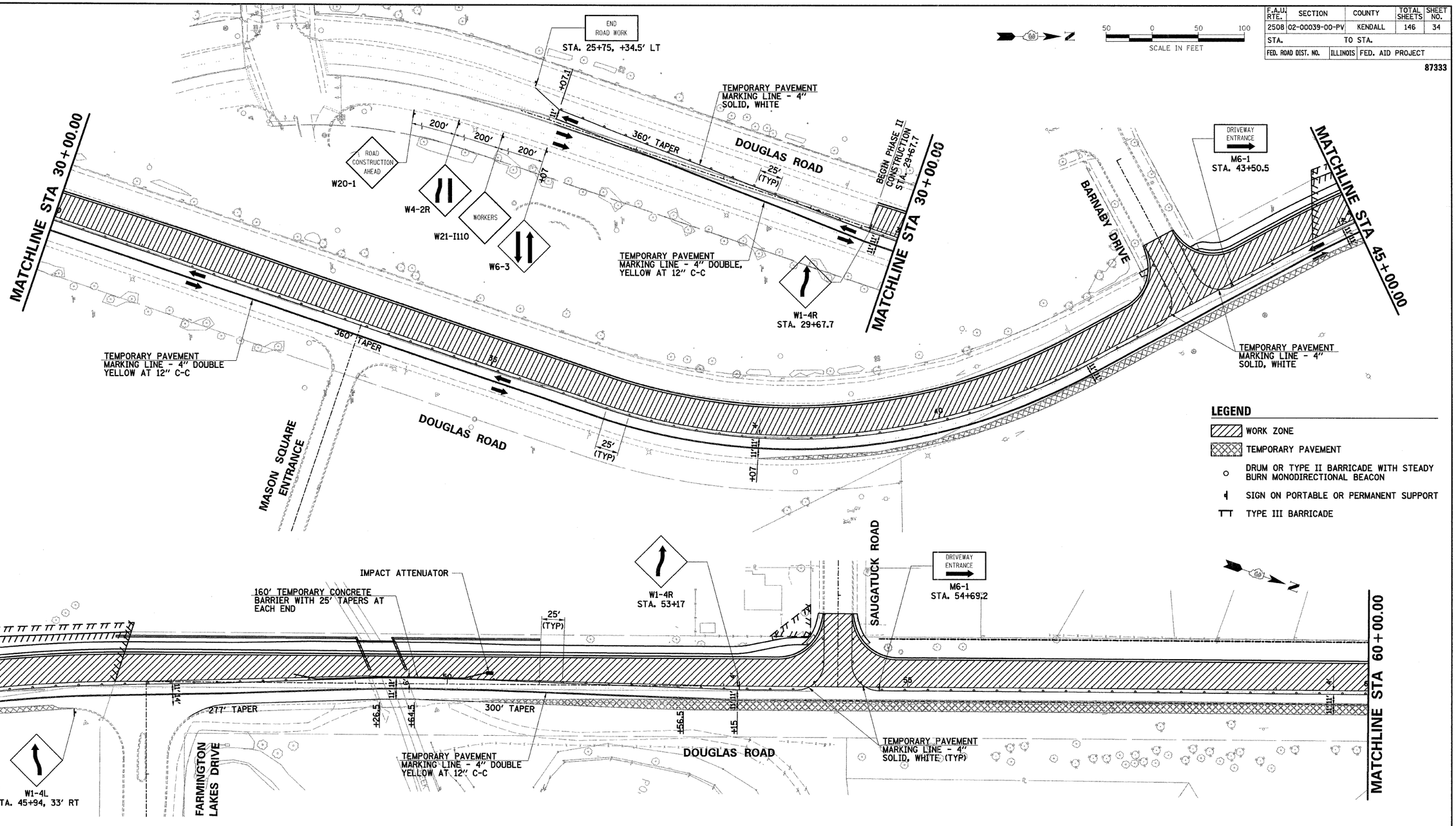
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2508	02-00039-00-PV	KENDALL	146	34
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

87333



PRE-STAGE 1 NOTES

1. INSTALL TEMPORARY PAVEMENT FOR STAGE I.
2. INSTALL TEMPORARY PAVEMENT MARKING AND REMOVE EXISTING PAVEMENT MARKINGS THAT CONFLICT WITH TEMPORARY MARKING.

STAGE 1 NOTES

1. TRAFFIC USES NORTHBOUND LANES. PROVIDE ONE LANE OF TRAFFIC IN EACH DIRECTION. MINIMUM LANE WIDTH = 11'. NO TURN LANES AT INTERSECTIONS WILL BE PROVIDED.
2. INSTALL STORM SEWER MAIN LINE, LATERALS, STRUCTURES AND FRAME AND GRATES.
3. PROVIDE POSITIVE DRAINAGE INTO INLETS.
4. RECONSTRUCT THE SOUTHBOUND LANES AND HALF OF THE TURN LANE. (CONSTRUCT UP TO THE CENTERLINE OF THE PAVEMENT UNLESS SHOWN OTHERWISE IN PLAN).
5. DO NOT PLACE SURFACE COURSE. (SURFACE COURSE TO BE PLACED DURING PHASE III).
6. INSTALL WEST CURB AND GUTTER AND SIDEWALK AT THIS TIME EXCEPT FROM STA. 46+00 TO 52+00.
7. INTERSECTION STAGING - DO NOT CLOSE LONG BEACH ROAD WEST AND SAUGATUCK ROAD WEST AT THE SAME TIME. ONE WEEK CLOSURE PERIOD FOR EACH INTERSECTION AT SEPARATE TIMES WILL BE ALLOWED. A ONE WEEK CLOSURE PERIOD FOR BARNABY ROAD WILL BE ALLOWED, BUT IT MUST NOT OCCUR DURING THE IMPROVEMENTS TO OLD POST ROAD.
8. ADD TEMPORARY PAVEMENT FOR STAGE II.
9. CONSTRUCT STAGE 1 OF THE STRUCTURE OVER WAUBONSEE CREEK.

STAGE 1 – STRUCTURE

A. TRAFFIC USES EXISTING BRIDGE. PROVIDE ONE LANE OF TRAFFIC IN EACH DIRECTION.
B. COMPLETE RELOCATION OF EXISTING UTILITIES AS NECESSARY.
C. INSTALL COFFERDAM UPSTREAM AND DOWNSTREAM OF CONSTRUCTION AREA AND INSTALL PIPE TO MAINTAIN STREAM FLOW.
D. INSTALL TEMPORARY SOIL RETENTION SYSTEM ADJACENT TO LIMITS SHOWN ON THE STRUCTURAL PLANS.
E. CONSTRUCT SOUTHBOUND PORTION OF THREE SIDED PRECAST CONCRETE STRUCTURE (INCLUDING TEMPORARY PAVEMENT AND TRAFFIC BARRIERS FOR USE IN LATER STAGES).
F. CONSTRUCT SEGMENTAL CONCRETE BLOCK RETAINING WALLS.
G. CONSTRUCT NOISE ABATEMENT WALL ALONG SOUTHBOUND SIDE OF ROADWAY.

ILLINOIS DEPARTMENT OF TRANSPORTATION

F.A.U. 2508 – DOUGLAS ROAD (U.S. RTE 34 TO U.S. RTE 30)

MAINTENANCE OF TRAFFIC PHASE II – STAGE 1 DOUGLAS ROAD

SCALE: VERT.
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F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2508	02-00039-00-PV	KENDALL	146	35
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

87333

SCALE IN FEET 50 0 50 100

MATCHLINE STA 60+00.00

TEMPORARY PAVEMENT MARKING LINE - 4" DOUBLE YELLOW AT 12" C-C

TEMPORARY PAVEMENT MARKING LINE - 4" SOLID, WHITE

END PHASE II CONSTRUCTION

DRIVEWAY ENTRANCE
M6-1
STA. 67+00, 4' LT

W6-3
STA. 70+00, 14.6' LT

W1-4L
STA. 74+49, 34.5' LT

W4-2L
STA. 75+00, 34.5' LT

MATCHLINE STA 75+00.00

DOUGLAS ROAD

DRIVEWAY ENTRANCE
M6-1
STA. 65+62, 31' RT

LONG BEACH ROAD

CONTRACTOR MUST MAINTAIN RADIUS FOR TRAFFIC FLOW. PAVEMENT REMOVAL TO OCCUR AT END OF STAGE I. PAVEMENT REPLACEMENT TO OCCUR WITHIN 48 HOURS OF PAVEMENT REMOVAL.

435' TAPER

25' (TYP)

240' TAPER

TEMPORARY PAVEMENT MARKING LINE - 8" WHITE, 10' DASH - 30' SKIP (TYP.)

TEMPORARY PAVEMENT MARKING LINE - 4" MEDIAN, YELLOW

WIESBROOK ROAD

MATCHLINE STA 75+00.00

FERNWOOD ROAD

TEMPORARY PAVEMENT MARKING LINE - 8" WHITE, 10' DASH - 30' SKIP (TYP.)

210' STORAGE

101' TAPER

TEMPORARY PAVEMENT MARKING LINE - 8" WHITE, 10' DASH - 30' SKIP (TYP.)

ROAD CONSTRUCTION AHEAD
W20-1

WORKERS
W21-1110

200'

MATCHLINE STA 75+00.00

WIESBROOK ROAD

DOUGLAS ROAD

86' TAPER

132' STORAGE

TOWNES CROSSING ENTRANCE

US RTE 30

END ROAD WORK
STA. 89+00, +35.5' RT

LEGEND

- WORK ZONE
- TEMPORARY PAVEMENT
- DRUM OR TYPE II BARRICADE WITH STEADY BURN MONODIRECTIONAL BEACON
- SIGN ON PORTABLE OR PERMANENT SUPPORT
- TYPE III BARRICADE

ILLINOIS DEPARTMENT OF TRANSPORTATION

F.A.U. 2508 – DOUGLAS ROAD (U.S. RTE 34 TO U.S. RTE 30)

MAINTENANCE OF TRAFFIC PHASE II – STAGE 1 DOUGLAS ROAD

SCALE: VERT.
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F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2508	02-00039-00-PV	KENDALL	146	36
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

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SCALE IN FEET

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END ROAD WORK
STA. 26+00, +34.7' LT

TEMPORARY PAVEMENT MARKING LINE - 4" DOUBLE, YELLOW AT 12" C-C

500
25
200'
200'
+29
+00
367' TAPER
25' (TYP)

ROAD CONSTRUCTION AHEAD
W20-1
W4-2L
WORKERS
W21-I110

BEGIN PHASE II CONSTRUCTION STA. 29+67.7

MATCHLINE STA 30+00.00

TEMPORARY PAVEMENT MARKING LINE - 4" SOLID, WHITE

TEMPORARY PAVEMENT MARKING LINE - 4" SOLID, WHITE

DOUGLAS ROAD

TEMPORARY PAVEMENT MARKING LINE - 4" DOUBLE YELLOW AT 12" C-C

BARNABY DRIVE

TEMPORARY PAVEMENT MARKING LINE - 4" DOUBLE YELLOW AT 12" C-C

MATCHLINE STA 45+00.00

DRIVEWAY ENTRANCE
M6-1
STA. 33+10, 1.3' LT

25' (TYP)

40'

LEGEND

- WORK ZONE
- TEMPORARY PAVEMENT
- DRUM OR TYPE II BARRICADE WITH STEADY BURN MONODIRECTIONAL BEACON
- SIGN ON PORTABLE OR PERMANENT SUPPORT
- TYPE III BARRICADE

W1-4L
STA. 45+69, 1.5' LT

DRIVEWAY ENTRANCE
M6-1
STA. 46+19, 1.8' LT

IMPACT ATTENUATOR (TYP 2)

160' TEMPORARY CONCRETE BARRIER WITH 25' TAPERS AT EACH END

+57.5
+02
+55.5
+80.5
+00

MATCHLINE STA 45+00.00

W1-4R
STA. 52+30.5, 34' LT

SAUGATUCK ROAD

TEMPORARY PAVEMENT MARKING LINE - 4" DOUBLE YELLOW AT 12" C-C

25' (TYP)

307' TAPER
307' TAPER
50
55

MATCHLINE STA 60+00.00

TEMPORARY PAVEMENT MARKING LINE - 4" DOUBLE YELLOW AT 12" C-C

TEMPORARY PAVEMENT MARKING LINE - 4" SOLID, WHITE

FARMINGTON LAKES DRIVE

DOUGLAS ROAD

CREEK

STAGE 2 NOTES

1. INSTALL TEMPORARY PAVEMENT MARKING AND REMOVE EXISTING PAVEMENT MARKINGS THAT CONFLICT WITH TEMPORARY PAVEMENT MARKING.
2. MOVE TRAFFIC TO SOUTHBOUND LANES. MINIMUM LANE WIDTH = 11'. NO TURN LANES AT INTERSECTIONS WILL BE PROVIDED.
3. RECONSTRUCT THE NORTHBOUND LANES AND HALF OF THE TURN LANE. (CONSTRUCT UP TO THE CENTERLINE OF THE PAVEMENT UNLESS SHOWN OTHERWISE IN PLAN.)
4. DO NOT PLACE SURFACE COURSE. (SURFACE COURSE TO BE PLACED DURING PHASE III).
5. INTERSECTION STAGING - DO NOT CLOSE LONG BEACH ROAD EAST AND FARMINGTON LAKES DRIVE EAST AT THE SAME TIME. ONE WEEK CLOSURE PERIOD FOR EACH INTERSECTION AT SEPARATE TIMES WILL BE ALLOWED.
6. INSTALL EAST CURB AND GUTTER.
7. CONSTRUCT STAGE 2 OF THE STRUCTURE OVER WAUBONSEE CREEK.

STAGE 2 – STRUCTURE

A. MOVE TRAFFIC TO SOUTHBOUND LANES OF THREE SIDED PRECAST CONCRETE STRUCTURE.
B. COMPLETE EXISTING UTILITY RELOCATION AS NECESSARY.
C. REMOVE EXISTING BRIDGE TO LIMITS SHOWN ON THE STRUCTURAL PLANS AND COMPLETE STAGE 2 CONSTRUCTION OF THE PROPOSED BRIDGE AS SHOWN IN THE STRUCTURAL PLANS.
D. CONSTRUCT NOISE ABATEMENT WALLS ALONG NORTHBOUND SIDE OF ROADWAY.

STAGE 3

1. INSTALL PERMANENT TRAFFIC SIGNALS.
2. INSTALL SHORT TERM PAVEMENT MARKING.
3. REMOVE TEMPORARY PAVEMENT FROM SOUTHBOUND LANES ON BRIDGE AND COMPLETE CONSTRUCTION OF FILL, SIDEWALK, C&G AND ROADWAY ON BRIDGE AS SHOWN IN THE STRUCTURAL PLANS.

PHASE III

1. MILL AND RESURFACE OLD POST TO US ROUTE 34 APPROXIMATE STATIONS 19+45 TO 29+68
2. CONSTRUCT DRAINAGE IMPROVEMENTS INCLUDING CURB AND GUTTER, DITCH GRADING, STORM SEWER, STRUCTURES, AND LATERALS.
3. INSTALL TEMPORARY SIGNALS AT OLD POST ROAD. IMPROVE RADII ON OLD POST ROAD AND RELOCATE MAST ARMS.
4. PLACE SURFACE COURSE OVER ENTIRE PROJECT LENGTH (US 30 TO PROJECT LIMITS NORTH OF US 34).
5. PLACE PERMANENT PAVEMENT MARKING.
6. INSTALL LANDSCAPING.
7. INSTALL PERMANENT SIGNALS AT APPLICABLE INTERSECTIONS.

ILLINOIS DEPARTMENT OF TRANSPORTATION

F.A.U. 2508 – DOUGLAS ROAD (U.S. RTE 34 TO U.S. RTE 30)

MAINTENANCE OF TRAFFIC PHASE II – STAGE 2 & 3 DOUGLAS ROAD

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F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2508	02-00039-00-PV	KENDALL	146	37
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

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MATCHLINE STA 60+00.00

DRIVEWAY ENTRANCE

M6-1
STA. 65+98,
1.8' LT

TEMPORARY PAVEMENT MARKING LINE - 4" DOUBLE YELLOW AT 12" C-C

CONTRACTOR MUST MAINTAIN RADIUS FOR TRAFFIC FLOW. PAVEMENT REMOVAL TO OCCUR AT END OF STAGE I. PAVEMENT REPLACEMENT TO OCCUR WITHIN 48 HOURS OF PAVEMENT REMOVAL.

TEMPORARY PAVEMENT MARKING LINE - 8" WHITE, 2' DASH - 6' SKIP (TYP.)

W21-I110 WORKERS
W4-2R
W20-1 ROAD CONSTRUCTION AHEAD
+72
200'
200'

65

12' 12' 12' 12'

25' (TYP)

450' TAPER TO 350' TAPER

DOUGLAS ROAD

TEMPORARY PAVEMENT MARKING LINE - 4" SOLID, WHITE

END PHASE II CONSTRUCTION

LONG BEACH ROAD

+25.5

+79.5

TEMPORARY PAVEMENT MARKING LINE - 4" MEDIAN, YELLOW

END ROAD WORK
STA. 74+21.5,
+42.5' RT

WIESBROOK ROAD

MATCHLINE STA 75+00.00

FERNWOOD ROAD

MATCHLINE STA 75+00.00

80

85

50

DOUGLAS ROAD

WIESBROOK ROAD

TOWNES CROSSING ENTRANCE

US RTE 30

N

LEGEND

- WORK ZONE
- TEMPORARY PAVEMENT
- DRUM OR TYPE II BARRICADE WITH STEADY BURN MONODIRECTIONAL BEACON
- SIGN ON PORTABLE OR PERMANENT SUPPORT
- TYPE III BARRICADE

ILLINOIS DEPARTMENT OF TRANSPORTATION

F.A.U. 2508 – DOUGLAS ROAD (U.S. RTE 34 TO U.S. RTE 30)

MAINTENANCE OF TRAFFIC PHASE II – STAGE 2 & 3 DOUGLAS ROAD

SCALE: VERT.
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F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2508	02-00039-00-PV	KENDALL	146	38
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

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U.S ROUTE 34

15

MATCHLINE STA. 20+00

OLD POST ROAD

℄ DOUGLAS ROAD STA 23+07.21 =
℄ OLD POST ROAD STA 500+00.00

DOUGLAS ROAD

25

30

MATCHLINE STA. 20+00

MATCHLINE STA. 35+00

TEMPORARY DITCH CHECKS

STA. 21+50, 40.5' LT
STA. 21+50, 40.5' RT
STA. 25+00, 44.5' LT
STA. 26+50, 42' LT
STA. 29+50, 42' LT
STA. 31+50, 42' LT
STA. 34+50, 44' LT

INLET AND PIPE PROTECTION

STA. 22+50, 42' LT
STA. 22+50, 43' RT
STA. 23+75, 45' LT
STA. 33+00, 43' LT
STA. 34+00, 44' RT

ILLINOIS DEPARTMENT OF TRANSPORTATION

F.A.U. 2508 – DOUGLAS ROAD
(U.S. RTE 34 TO U.S. RTE 30)

EROSION CONTROL PLAN

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2508	02-00039-00-PV	KENDALL	146	39
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

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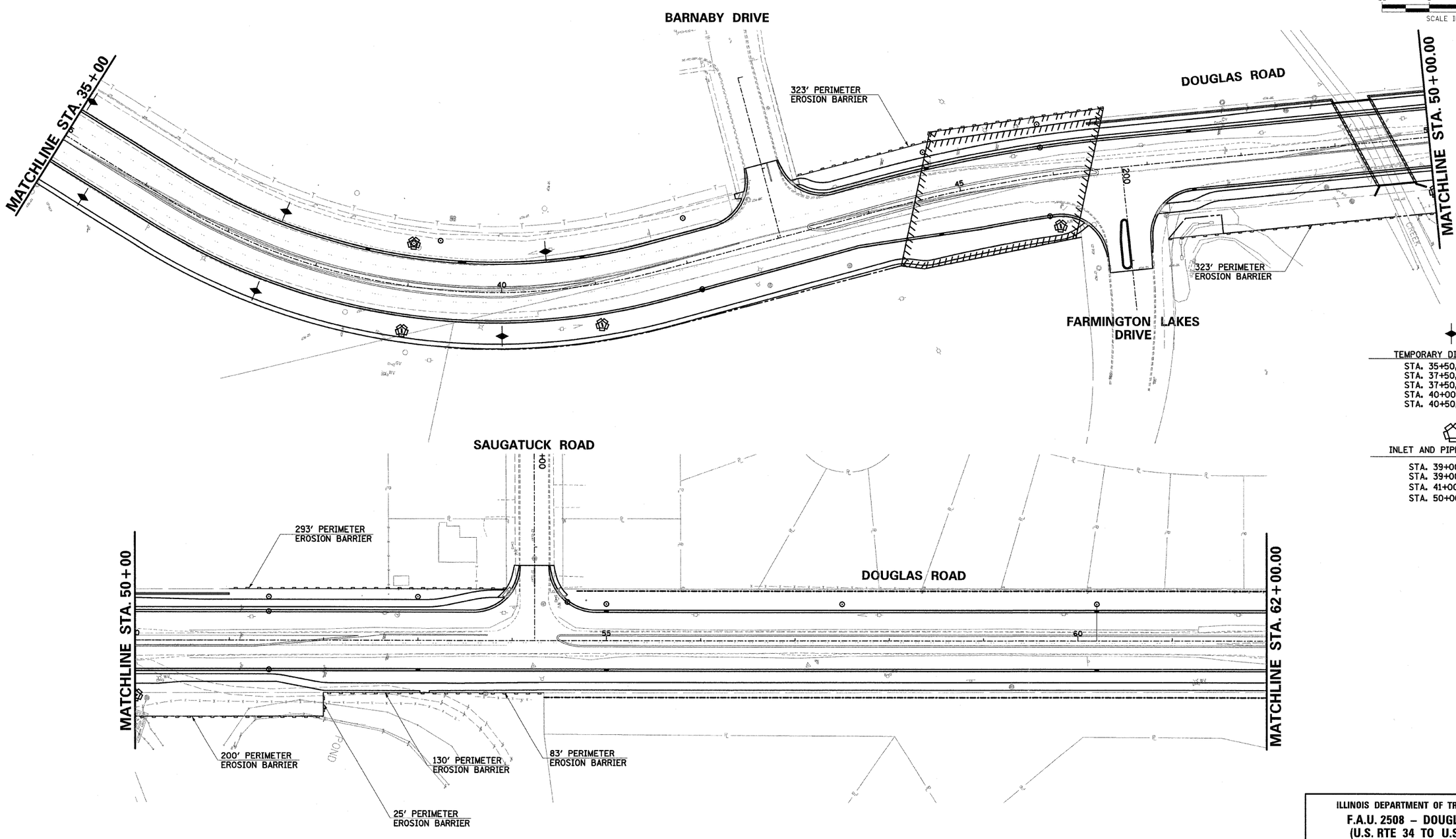

TEMPORARY DITCH CHECKS

STA. 35+50, 46' RT
STA. 37+50, 44' LT
STA. 37+50, 46' RT
STA. 40+00, 46' RT
STA. 40+50, 41.5' LT

INLET AND PIPE PROTECTION

STA. 39+00, 46' LT
STA. 39+00, 48' RT
STA. 41+00, 43' RT
STA. 50+00, 58' RT

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ILLINOIS DEPARTMENT OF TRANSPORTATION

F.A.U. 2508 – DOUGLAS ROAD
(U.S. RTE 34 TO U.S. RTE 30)

EROSION CONTROL PLAN

SCALE: VERT.
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F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2508	02-00039-00-PV	KENDALL	146	40
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

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LONG BEACH ROAD

MATCHLINE STA. 62+00

DOUGLAS ROAD

MATCHLINE STA. 74+00

MATCHLINE STA. 74+00

DOUGLAS ROAD

421' PERIMETER EROSION BARRIER

N. MERCHANTS DRIVE

U.S. ROUTE 30

WIESBROOK ROAD

FERNWOOD ROAD

TOWNES CROSSING ENTRANCE

INLET AND PIPE PROTECTION

STA. 75+50, 45' LT
STA. 80+75, 49' RT
STA. 84+25, 52' RT

ILLINOIS DEPARTMENT OF TRANSPORTATION

F.A.U. 2508 – DOUGLAS ROAD
(U.S. RTE 34 TO U.S. RTE 30)

EROSION CONTROL PLAN

SCALE: VERT.
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F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2508	02-00039-00-PV	KENDALL	146	41
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

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SCALE IN FEET

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U.S. ROUTE 34

DOUGLAS ROAD

BEGIN IMPROVEMENTS
STA. 19+45.00
MILLING & RESURFACING
ELEV. = 662.70

MATCHLINE STA. 20+00

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℄ DOUGLAS ROAD STA. 13+07.48
℄ U.S. ROUTE 34 STA. 37+69.52

BEGIN IMPROVEMENTS
STA. 19+45.00
MILLING & RESURFACING
ELEV. = 662.70

-0.55%

MATCHLINE STA. 20+00

663.31 663.66 664.02 664.56 663.98 662.91 661.87 661.14 660.68 660.56 660.87 661.38 661.98 662.52 662.91 662.89 662.66 662.67 662.32 662.37

12+00 13+00 14+00 15+00 16+00 17+00 18+00 19+00 20+00

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DOUGLAS ROAD STA. 19+45 TO STA. 20+00 – DRAINAGE PLAN AND PROFILE

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2508	02-00039-00-PV	KENDALL	146	42
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

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OLD POST ROAD

STA. 498+92, 18.2' LT
1 EA MH TA, 4' DIA.
TY 11 FRAME & GRATE
EOP = T.B.D.
INV = 654.09
(REMOVE EX. INLET)

25 LIN FT SS-CL-A1
15" @ 0.7%
(REMOVE EX. STORM SEWER)

EXISTING INLET
INV = 654.26 E
INV = 654.36 S (EX.)
INV = 654.26 S
EX. 12" STORM SEWER

35 LIN FT SS-CL-A1
15" @ 0.8%
(REMOVE EX. STORM SEWER)

STA. 23+45, 42' LT
ADJUST EX. INL W/ NEW
TY 1 FRAME & CL LID
RIM = 659.25
INV = 655.03

EXISTING INLET
INV = 653.81

30 LIN FT SS-CL-A1
12" @ 1.0%

STA. 23+75, 45' LT
1 EA INL TB
TYPE 8 GRATE
RIM = 657.50
INV = 655.33

141 LIN FT SS-CL-A1
12" @ 1.0%

STA. 25+10, 31.2' LT
1 EA INL TB
SPECIAL FRAME & GRATE
EOP = 660.94
INV = 656.74

EX. 30"
STORM SEWER

STA. 31+00, 31.7' LT
1 EA INL TB
SPECIAL FRAME & GRATE
EOP = 660.91
INV = 656.16

69 LIN FT SS-CL-A1
12" @ 0.5%

EXISTING MH
INV = 653.97

39 LIN FT SS-CL-A1
24" @ 0.3%

REMOVE EX.
STORM SEWER

STA. 33+00, 43' LT
1 EA MH TA, 5' DIA.
TYPE 8 GRATE
RIM = 657.00
INV = 654.09
(REMOVE EX. INLET)

STA. 33+10.90, 32.5' LT
1 EA INL TB,
SPECIAL FRAME & GRATE
EOP = 659.33
INV = 654.16

13 LIN FT SS-CL-A1
24" @ 0.5%

82 LIN FT SS-CL-A1
24" @ 0.5%

STA. 34+05, 32.5' LT
1 EA INL TA,
SPECIAL FRAME & GRATE
EOP = 659.86
INV = 656.20

59 LIN FT SS-CL-A1
12" @ 1.2%

3 LIN FT SS-CL-A1
12" @ 0.5%

STA. 23+41.72, 35.7' LT
1 EA INL TB
SPECIAL FRAME & GRATE
EOP = 659.29
INV = 655.05

STA. 22+60, 41.2' LT
1 EA MH TA, 4' DIA.
TY 1 FRAME & CL LID
RIM = 659.25
INV = 653.54

8 LIN FT SS-CL-A1
12" @ 2.0%

STA. 22+50, 42' LT
1 EA INL TA
TYPE 8 GRATE
RIM = 657.00
INV = 653.70

MATCHLINE STA. 35+00

REMOVE EX.
STORM SEWER

REMOVE
EX. INLET
REMOVE EX.
STORM SEWER
EXISTING INLET
INV = 654.76

STA. 25+10, 31.4' RT
1 EA INL TB
SPECIAL FRAME & GRATE
EOP = 660.93
INV = 656.44

140 LIN FT SS-CL-A1
12" @ 1.2%

DOUGLAS ROAD

STA. 30+75, 38.6' RT
1 EA INL TB
SPECIAL FRAME & GRATE
EOP = 661.02
INV = 655.82

127 LIN FT SS-CL-A1
15" @ 0.5%

STA. 32+05, 44.5' RT
1 EA INL TB
SPECIAL FRAME & GRATE
EOP = 659.68
INV = 655.18

122 LIN FT SS-CL-A1
15" @ 0.5%

REMOVE EX.
STORM SEWER

STA. 33+30.66, 51.3' RT
1 EA MH TA, 5' DIA.
SPECIAL FRAME & GRATE
EOP = 659.01
INV = 654.57
(REMOVE EX. INLET)

37 LIN FT SS-CL-A1
12" @ 1.2%

REMOVE EXISTING
CULVERT
REMOVE EX. 12"
STORM SEWER

STA. 33+70.5, 45.5' RT
1 EA INL TB
SPECIAL FRAME & GRATE
EOP = 659.50
INV = 655.05
(REMOVE EX. INLET)

STA. 34+05, 32.5' RT
1 EA INL TB
SPECIAL FRAME & GRATE
EOP = 659.86
INV = 655.49

11 LIN FT SS-CL-A1
12" @ 1.2%

STA. 34+00, 44' RT
1 EA INL TB
TYPE 8 GRATE
RIM = 657.79
INV = 655.36

26 LIN FT SS-CL-A1
12" @ 1.2%

REMOVE EX.
STORM SEWER
EXISTING INLET
INV = 654.21
REMOVE EX.
STORM SEWER
45 LIN FT SS-CL-A1
15" @ 0.5%
REMOVE EX.
MANHOLE

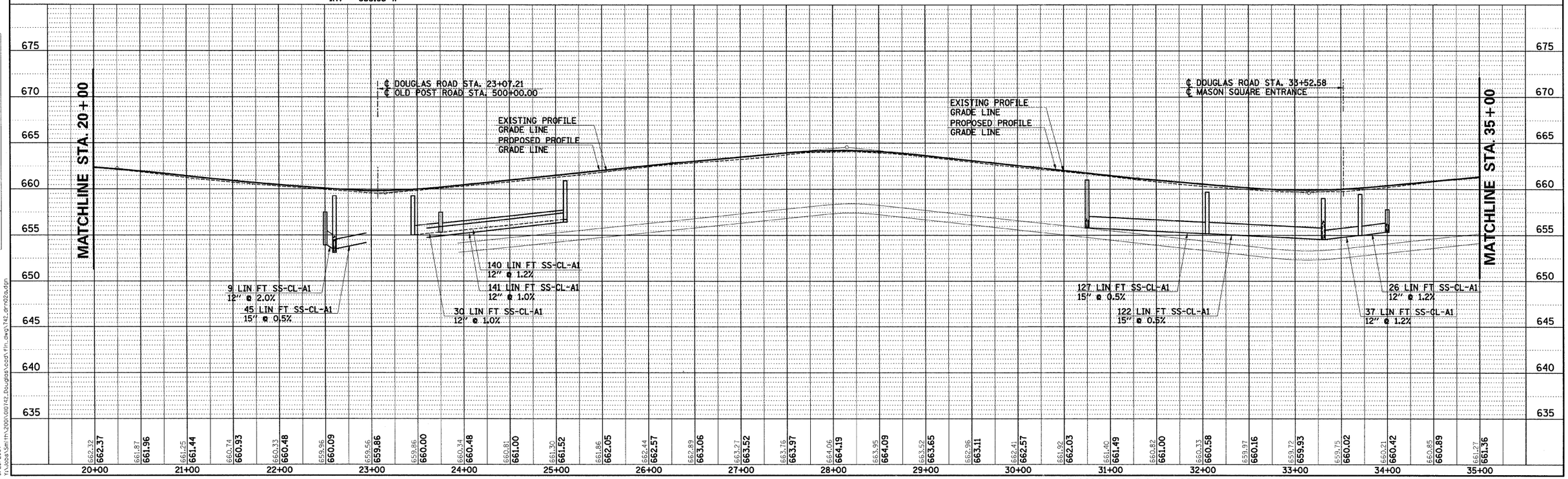
REMOVE EX.
STORM SEWER
81 LIN FT SS-CL-A1
15" @ 0.5%

STA. 22+50, 43' RT
1 EA MH TA, 4' DIA.
TYPE 8 GRATE
RIM = 657.50
INV = 653.99 N
INV = 653.95 W

MATCHLINE STA. 20+00

MASON SQUARE ENTRANCE

50 0 50 100
SCALE IN FEET



DOUGLAS ROAD STA. 20+00 TO STA. 35+00 – DRAINAGE PLAN AND PROFILE

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2508	02-00039-00-PV	KENDALL	146	43
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

87333

PLAN — SURVEYED / PLOTTED / ALIGNMENT CHECKED / RT. OF WAY CHECKED / ADD FILE NAME / NOTE BOOK / NO. / BY / DATE

PROFILE — SURVEYED / PLOTTED / GRADES CHECKED / R.W. NOTED / PROFILE NOTATNS CHKD / NOTE BOOK / NO. / BY / DATE

BARNABY DRIVE

MATCHLINE STA. 35+00

DOUGLAS ROAD

25 LIN FT SS-CL-A1
18" @ 0.5%

STA. 39+00, 46' LT
1 EA MH TA, 6' DIA.
TYPE 8 GRATE
RIM = 657.50
INV = 655.35 SW
INV = 655.10 NW,SE

45 LIN FT SS-CL-A1
12" @ 1.0%

EX. 12" STORM SEWER

STA. 38+50, 32.5' LT
1 EA INL TB
SPECIAL FRAME & GRATE
EOP = 659.91
INV = 655.55

REMOVE EX. INLET

EX. 12" STORM SEWER

STA 38+41, 39.2' RT
ADJUST EX. MH W/ NEW
TY 1 FRAME & CL LID
RIM = 661.00
INV = 652.09

EX. 30" STORM SEWER

STA. 39+00, 48' RT
1 EA INL TA
TYPE 8 GRATE
RIM = 657.25
INV = 655.25

211 LIN FT SS-CL-A1
12" @ 0.3%

STA. 39+58, 32.5' LT
1 EA INL TB
SPECIAL FRAME & GRATE
EOP = 659.29
INV = 656.50 N
INV = 655.27 SW

30 LIN FT SS-CL-A1
12" @ 1.0%

STA. 39+30, 52' LT
1 EA MH TA, 6' DIA.
TY 1 FRAME & CL LID
RIM = 659.50
INV = 654.97

EX. 18" STORM SEWER

123 LIN FT SS-CL-A1
12" @ 0.5%

STA. 40+90, 32.5' LT
1 EA INL TB
SPECIAL FRAME & GRATE
EOP = 660.38
INV = 657.12

30 LIN FT
PIPE UNDERDRAIN, 4"

STA. 41+00, 43' RT
1 EA INL TB
TYPE 8 GRATE
RIM = 659.12
INV = 654.62

110 LIN FT SS-CL-A2
12" @ 0.3%

STA. 42+08, 47.5' LT
1 EA MH TA, 5' DIA.
TY 1 FRAME & CL LID
RIM = 661.50
INV = 654.06 E
INV = 651.82 N,S•

REMOVE EX MH,
EX 4" WATER MAIN
TO REMAIN

78 LIN FT SS-CL-A2
30" (MAINTAIN EX. SLOPE)
CONNECT TO EX. PIPE

STA. 42+08, 32.5' RT
1 EA MH TA, 4' DIA.
SPECIAL FRAME & GRADE
EOP = 662.37
INV = 654.29

76 LIN FT SS-CL-A2
12" @ 0.3%

30 LIN FT
PIPE UNDERDRAIN, 4"

EX. 30" STORM SEWER

14 LIN FT SS-CL-A2
12" @ 3.0%

STA. 44+70, 49.1' LT
1 EA MH TA, 5' DIA.
TY 1 FRAME & CL LID
RIM = 662.00
INV = 654.78 E
INV = 651.76 N,S•

70 LIN FT SS-CL-A1
12" @ 1.0%

STA. 44+70, 41.8' RT
1 EA INL TB
SPECIAL FRAME & GRATE
EOP = 661.90
INV = 657.90

39.3 LIN FT
PIPE UNDERDRAIN, 4"

STA. 44+70, 32.5' LT
1 EA INL TB
SPECIAL FRAME & GRATE
EOP = 662.13
INV = 657.20 E
INV = 655.20 W

STA. 45+90, 55.8' LT
1 EA MH TA, 5' DIA.
TY 1 FRAME & CL LID
RIM = 659.00
INV = 653.30 E
INV = 651.75 N,S•

20 LIN FT SS-CL-A2
15" @ 2.0%

STA. 45+90, 32.5' LT
1 EA MH TA, 4' DIA.
SPECIAL FRAME & GRATE
EOP = 661.47
INV = 654.70 E
INV = 653.70 W

72 LIN FT SS-CL-A1
15" @ 1.0%

EX. 30" STORM SEWER

144 LIN FT SS-CL-A1
12" @ 0.8%

REMOVE EX. MH
AND PLUG EX. PIPE

STA. 46+00, 55' RT
1 EA INL TB
TYPE 8 GRATE
RIM = 659.25
INV = 655.55

13 LIN FT SS-CL-A1
15" @ 1.0%

STA. 45+90, 44.5' RT
1 EA MH TA, 4' DIA.
SPECIAL FRAME & GRATE
EOP = 661.17
INV = 655.42

STA. 47+47, 32.5' LT
1 EA INL TB
SPECIAL FRAME & GRATE
EOP = 660.49
INV = 657.00

60 LIN FT SS-CL-A1
12" @ 0.5%

STA. 47+47, 32.5' RT
1 EA INL TB
SPECIAL FRAME & GRATE
EOP = 660.49
INV = 656.70

MATCHLINE STA. 50+00

50 0 50 100
SCALE IN FEET

• INVERT OF EXISTING STORM SEWER TO BE VERIFIED IN THE FIELD.

NOTE:
SPECIAL FRAME & GRATE SHALL BE A NEENAH TYPE R-3222-LA OR EQUIVALENT.

FARMINGTON LAKES DRIVE

℄ DOUGLAS ROAD STA. 43+02.59
℄ BARNABY DRIVE STA. 100+00.00

℄ DOUGLAS ROAD STA. 46+72.10
℄ FARMINGTON LAKES DR. STA. 200+00.00

EXISTING PROFILE GRADE LINE
PROPOSED PROFILE GRADE LINE

TIES INTO EXISTING

MATCHLINE STA. 35+00

MATCHLINE STA. 50+00

28 LIN FT SS-CL-A1
12" @ 1.0%

45 LIN FT SS-CL-A1
12" @ 1.0%

25 LIN FT SS-CL-A1
18" @ 0.5%

211 LIN FT SS-CL-A1
12" @ 0.3%

127 LIN FT SS-CL-A1
12" @ 0.5%

78 LIN FT SS-CL-A2
30" (MAINTAIN EX. SLOPE)
CONNECT TO EX. PIPE

110 LIN FT SS-CL-A2
12" @ 0.3%

13 LIN FT SS-CL-A1
15" @ 1.0%

144 LIN FT SS-CL-A1
12" @ 0.8%

670 665 660 655 650 645 640 635 630

35+00	36+00	37+00	38+00	39+00	40+00	41+00	42+00	43+00	44+00	45+00	46+00	47+00	48+00	49+00	50+00
661.27 / 661.36	661.77 / 661.83	662.15 / 662.14	662.26 / 662.20	661.94 / 662.02	661.50 / 661.60	660.98 / 661.11	660.51 / 660.62	660.06 / 660.13	659.79 / 659.89	659.92 / 660.02	660.39 / 660.50	660.92 / 661.10	661.46 / 661.70	662.10 / 662.29	662.35 / 662.74	662.87 / 662.99	662.88 / 663.07	662.85 / 662.96	662.78 / 662.80	662.62 / 662.60	662.12 / 662.33	661.76 / 662.00	661.40 / 661.61	660.98 / 661.22	660.76 / 661.09	660.73 / 661.27	661.01 / 661.75	661.20 / 662.11	660.96 / 661.95	660.36 / 661.27

DOUGLAS ROAD STA. 35+00 TO STA. 50+00 – DRAINAGE PLAN AND PROFILE

252.08 AM
5/28/2007
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F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2508	02-00039-00-PV	KENDALL	146	44
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

87333

50 0 50 100
SCALE IN FEET

PLAN
SURVEYED
PLOTTED
ALIGNMENT CHECKED
RT. OF WAY CHECKED
NOTE BOOK
NO.
ROAD FILE NAME
BY
DATE

PROFILE
SURVEYED
PLOTTED
GRADES CHECKED
R.R. NOTED
PROCESSED
NOTE BOOK
NO.
INITIALS
BY
DATE

SAUGATUCK ROAD

154 LIN FT SS-CL-A1
24" @ 1.0%

STA. 51+42, 46.5' LT
1 EA MH TA, 5' DIA.
TY 1 FRAME & CL LID
RIM = 659.00
INV = 654.58 N
INV = 654.33 E

12 LIN FT SS-CL-A1
24" @ 0.7%

STA. 51+42, 32.5' LT
1 EA MH TA, 4' DIA
SPECIAL FRAME & GRATE
EOP = 658.78
INV = 654.25

60 LIN FT SS-CL-A1
24" @ 0.7%

MATCHLINE STA. 50+00

137 LIN FT SS-CL-A1
30" @ 0.3%

STA. 50+00, 58' RT
1 EA PRC FES 30"
INV = 653.42

STA. 51+42, 32.5' RT
1 EA MH TA, 5' DIA.
SPECIAL FRAME & GRATE
EOP = 658.78
INV = 653.83

157 LIN FT SS-CL-A1
24" @ 1.0%

STA. 53+00, 46.5' LT
1 EA MH TA, 4' DIA
TY 1 FRAME & CL LID
RIM = 662.25
INV = 656.12

75 LIN FT SS-CL-A1
12" @ 1.0%

STA. 53+00, 32.5' RT
1 EA INL TB
SPECIAL FRAME & GRATE
EOP = 660.93
INV = 656.87

STA. 54+58.34, 40.56' LT
1 EA MH TA, 4' DIA
SPECIAL FRAME & GRATE
EOP = 663.57
INV = 657.69

300+00

37 LIN FT SS-CL-A1
24" @ 1.0%

STA. 55+00, 39' LT
1 EA MH TA, 4' DIA.
TY 1 FRAME & CL LID
RIM = 666.00
INV = 659.24 N,E
INV = 658.06 S

4 LIN FT SS-CL-A1
12" @ 2.0%

STA. 55+00, 32.5' LT
1 EA INL TB
SPECIAL FRAME & GRATE
EOP = 665.20
INV = 659.32

60 LIN FT SS-CL-A1
12" @ 2.0%

STA. 55+00, 32.5' RT
1 EA INL TB
SPECIAL FRAME & GRATE
EOP = 665.20
INV = 660.52

246 LIN FT SS-CL-A1
24" @ 0.6%

STA. 57+50, 39' LT
1 EA MH TA, 4' DIA.
TY 1 FRAME & CL LID
RIM = 671.75
INV = 660.72

266 LIN FT SS-CL-A2
24" @ 0.4%

STA. 60+20, 39' LT
1 EA MH TA, 4' DIA.
TY 1 FRAME & CL LID
RIM = 671.25
INV = 664.78 E
INV = 661.78 N,S

4 LIN FT SS-CL-A1
12" @ 2.0%

STA. 60+20, 32.5' LT
1 EA INL TB
SPECIAL FRAME & GRATE
EOP = 670.43
INV = 664.86

181 LIN FT SS-CL-A1
24" @ 0.3%

60 LIN FT SS-CL-A1
12" @ 2.0%

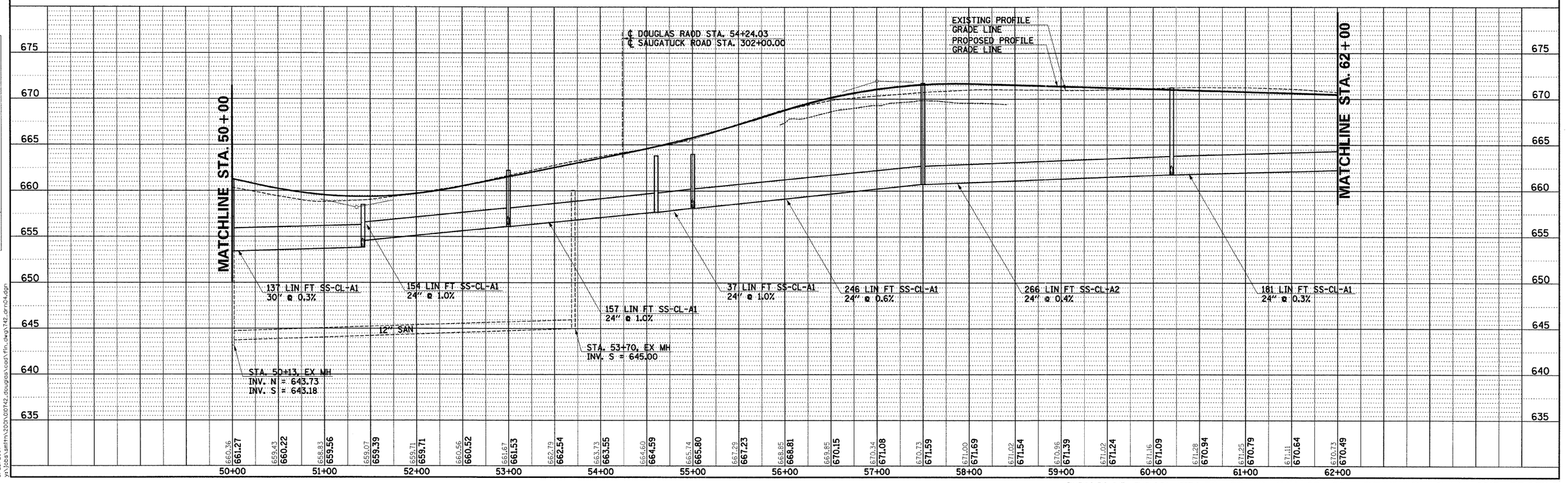
STA. 60+20, 32.5' RT
1 EA INL TB
SPECIAL FRAME & GRATE
EOP = 670.43
INV = 666.06

MATCHLINE STA. 62+00

DOUGLAS ROAD

POND

NOTE:
SPECIAL FRAME & GRATE SHALL BE
A NEENAH TYPE R-3222-LA OR EQUIVALENT.



DOUGLAS ROAD STA.50+00 TO STA. 62+00 – DRAINAGE PLAN AND PROFILE

2x2=0 AM
3/28/2007
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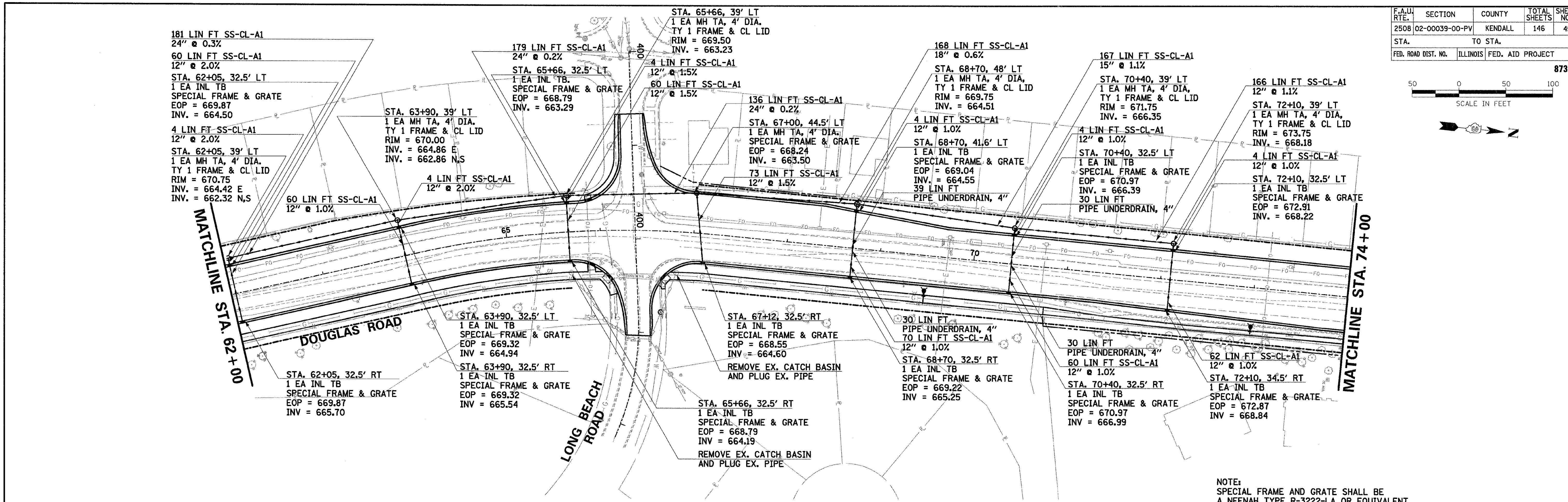
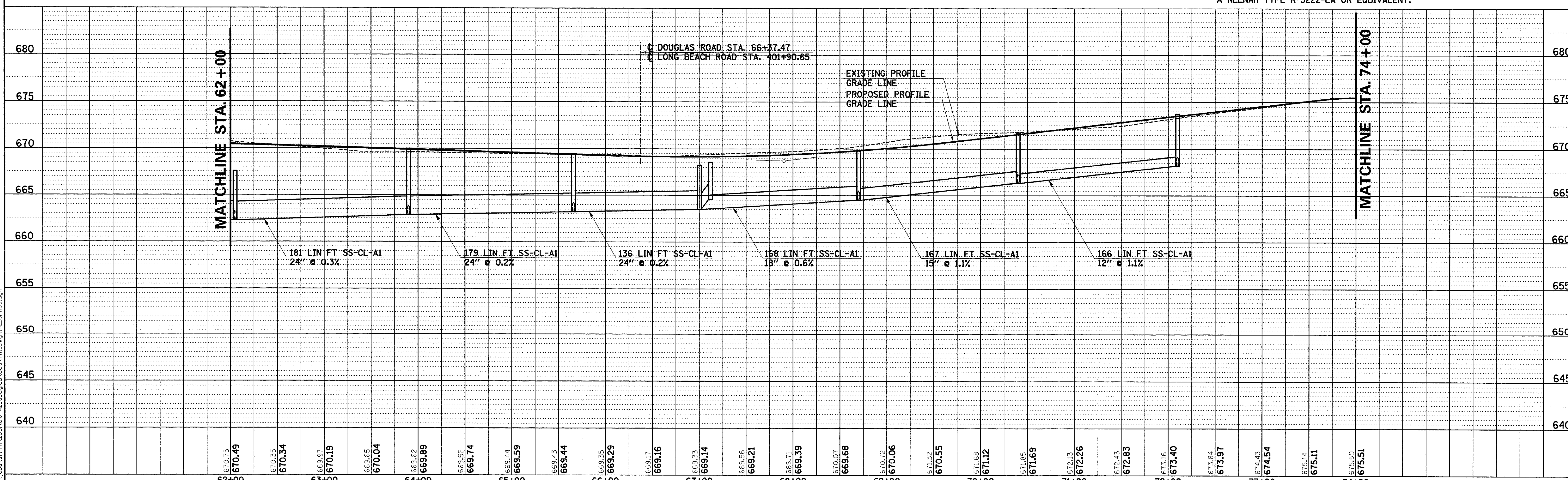
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2508	02-00039-00-PV	KENDALL	146	45
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

87333



181 LIN FT SS-CL-A1
24" @ 0.3%
60 LIN FT SS-CL-A1
12" @ 2.0%
STA. 62+05, 32.5' LT
1 EA INL TB
SPECIAL FRAME & GRATE
EOP = 669.87
INV. = 664.50
4 LIN FT SS-CL-A1
12" @ 2.0%
STA. 62+05, 39' LT
1 EA MH TA, 4' DIA.
TY 1 FRAME & CL LID
RIM = 670.75
INV. = 664.42 E
INV. = 662.32 N,S
60 LIN FT SS-CL-A1
12" @ 1.0%
STA. 63+90, 39' LT
1 EA MH TA, 4' DIA.
TY 1 FRAME & CL LID
RIM = 670.00
INV. = 664.86 E
INV. = 662.86 N,S
4 LIN FT SS-CL-A1
12" @ 2.0%
179 LIN FT SS-CL-A1
24" @ 0.2%
STA. 65+66, 32.5' LT
1 EA INL TB.
SPECIAL FRAME & GRATE
EOP = 668.79
INV. = 663.29
STA. 65+66, 39' LT
1 EA MH TA, 4' DIA.
TY 1 FRAME & CL LID
RIM = 669.50
INV. = 663.23
4 LIN FT SS-CL-A1
12" @ 1.5%
60 LIN FT SS-CL-A1
12" @ 1.5%
136 LIN FT SS-CL-A1
24" @ 0.2%
STA. 67+00, 44.5' LT
1 EA MH TA, 4' DIA.
SPECIAL FRAME & GRATE
EOP = 668.24
INV. = 663.50
73 LIN FT SS-CL-A1
12" @ 1.5%
168 LIN FT SS-CL-A1
18" @ 0.6%
STA. 68+70, 48' LT
1 EA MH TA, 4' DIA,
TY 1 FRAME & CL LID
RIM = 669.75
INV. = 664.51
4 LIN FT SS-CL-A1
12" @ 1.0%
STA. 68+70, 41.6' LT
1 EA INL TB
SPECIAL FRAME & GRATE
EOP = 669.04
INV. = 664.55
39 LIN FT
PIPE UNDERDRAIN, 4"
167 LIN FT SS-CL-A1
15" @ 1.1%
STA. 70+40, 39' LT
1 EA MH TA, 4' DIA,
TY 1 FRAME & CL LID
RIM = 671.75
INV. = 666.35
4 LIN FT SS-CL-A1
12" @ 1.0%
STA. 70+40, 32.5' LT
1 EA INL TB
SPECIAL FRAME & GRATE
EOP = 670.97
INV. = 666.39
30 LIN FT
PIPE UNDERDRAIN, 4"
166 LIN FT SS-CL-A1
12" @ 1.1%
STA. 72+10, 39' LT
1 EA MH TA, 4' DIA,
TY 1 FRAME & CL LID
RIM = 673.75
INV. = 668.18
4 LIN FT SS-CL-A1
12" @ 1.0%
STA. 72+10, 32.5' LT
1 EA INL TB
SPECIAL FRAME & GRATE
EOP = 672.91
INV. = 668.22
50 0 50 100
SCALE IN FEET
N
MATCHLINE STA. 62+00
DOUGLAS ROAD
LONG BEACH ROAD
65
70
400
MATCHLINE STA. 74+00
STA. 62+05, 32.5' RT
1 EA INL TB
SPECIAL FRAME & GRATE
EOP = 669.87
INV = 665.70
STA. 63+90, 32.5' LT
1 EA INL TB
SPECIAL FRAME & GRATE
EOP = 669.32
INV = 664.94
STA. 63+90, 32.5' RT
1 EA INL TB
SPECIAL FRAME & GRATE
EOP = 669.32
INV = 665.54
STA. 67+12, 32.5' RT
1 EA INL TB
SPECIAL FRAME & GRATE
EOP = 668.55
INV = 664.60
REMOVE EX. CATCH BASIN
AND PLUG EX. PIPE
STA. 65+66, 32.5' RT
1 EA INL TB
SPECIAL FRAME & GRATE
EOP = 668.79
INV = 664.19
REMOVE EX. CATCH BASIN
AND PLUG EX. PIPE
30 LIN FT
PIPE UNDERDRAIN, 4"
70 LIN FT SS-CL-A1
12" @ 1.0%
STA. 68+70, 32.5' RT
1 EA INL TB
SPECIAL FRAME & GRATE
EOP = 669.22
INV = 665.25
30 LIN FT
PIPE UNDERDRAIN, 4"
60 LIN FT SS-CL-A1
12" @ 1.0%
STA. 70+40, 32.5' RT
1 EA INL TB
SPECIAL FRAME & GRATE
EOP = 670.97
INV = 666.99
62 LIN FT SS-CL-A1
12" @ 1.0%
STA. 72+10, 34.5' RT
1 EA INL TB
SPECIAL FRAME & GRATE
EOP = 672.87
INV = 668.84

NOTE:
SPECIAL FRAME AND GRATE SHALL BE
A NEENAH TYPE R-3222-LA OR EQUIVALENT.



680
675
670
665
660
655
650
645
640
MATCHLINE STA. 62+00
℄ DOUGLAS ROAD STA. 66+37.47
℄ LONG BEACH ROAD STA. 401+90.65
EXISTING PROFILE
GRADE LINE
PROPOSED PROFILE
GRADE LINE
MATCHLINE STA. 74+00
181 LIN FT SS-CL-A1
24" @ 0.3%
179 LIN FT SS-CL-A1
24" @ 0.2%
136 LIN FT SS-CL-A1
24" @ 0.2%
168 LIN FT SS-CL-A1
18" @ 0.6%
167 LIN FT SS-CL-A1
15" @ 1.1%
166 LIN FT SS-CL-A1
12" @ 1.1%
670.73 670.49
670.35 670.34
669.97 670.19
669.65 670.04
669.62 669.89
669.52 669.74
669.44 669.59
669.43 669.44
669.35 669.29
669.17 669.16
669.33 669.14
669.56 669.21
669.71 669.39
670.07 669.68
670.72 670.06
671.32 670.55
671.68 671.12
671.85 671.69
672.13 672.26
672.43 672.83
673.16 673.40
673.84 673.97
674.43 674.54
675.14 675.11
675.50 675.51
62+00
63+00
64+00
65+00
66+00
67+00
68+00
69+00
70+00
71+00
72+00
73+00
74+00

PLAN — SURVEYED, PLOTTED, ALIGNMENT CHECKED, RT. OF WAY CHECKED, CADD FILE NAME, NOTE BOOK NO.

PROFILE — SURVEYED, PLOTTED, GRADES CHECKED, B.M. NOTED, STRUCTURE NOTATIONS CHK'D, NOTE BOOK NO.

2:52:10 AM 3/28/2007

DOUGLAS ROAD STA.62+00 TO STA. 74+00 - DRAINAGE PLAN AND PROFILE

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2508	02-00039-00-PV	KENDALL	146	46
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

87333

SCALE IN FEET

166 LIN FT SS-CL-A1
12" @ 1.0%

STA. 76+65, 39' LT
1 EA MH TA, 4' DIA.
TY 1 FRAME & CL LID
RIM = 671.50
INV = 665.81

4 LIN FT SS-CL-A1
12" @ 2.0%

STA. 76+65, 32.5' LT
1 EA INL TB
SPECIAL FRAME & GRATE
EOP = 670.62
INV. = 665.89

113 LIN FT SS-CL-A1
12" @ 3.0%

STA. 75+50, 45' LT
1 EA INL TA
TYPE 8 GRATE
RIM = 672.39
INV. = 669.20

150 LIN FT SS-CL-A1
15" @ 1.0%

STA. 78+35, 39' LT
1 EA MH TA, 4' DIA.
TY 1 FRAME & CL LID
RIM = 670.00
INV = 664.15

4 LIN FT SS-CL-A1
12" @ 2.0%

STA. 78+35, 32.5' LT
1 EA INL TB
SPECIAL FRAME & GRATE
EOP = 669.26
INV. = 664.23

EX CONC. SIDEWALK
REMOVE AND REPLACE 99 SF

EX CURB AND GUTTER
REMOVE AND REPLACE 10 LF

CLASS D PATCH,
TYPE III, 19.4 SY

EX CURB AND GUTTER
REMOVE AND REPLACE 10 LF

STA. 79+88, 45' LT
1 EA MH TA, 5' DIA.
TY 1 FRAME & CL LID
RIM = 669.75
INV = 664.35 N
INV = 662.65 E,W,S

88 LIN FT SS-CL-A1
15" @ 1.0%

REMOVE EX.
CULVERT

STA. 502+52.25, 40' RT
1 EA MH TA, 4' DIA.
TY 1 FRAME & CL LID
RIM = 668.00
INV. = 660.27

198 LIN FT SS-CL-A2
18" @ 1.2%

89 LIN FT SS-CL-A1
12" @ 1.0%

STA. 82+55, 43.5' LT
1 EA INL TB
SPECIAL FRAME & GRATE
EOP = 671.69
INV. = 667.40

115 LIN FT SS-CL-A1
12" @ 1.0%

STA. 81+05, 43.5' LT
1 EA INL TB
SPECIAL FRAME & GRATE
EOP = 670.44
INV. = 665.50

12 LIN FT SS-CL-A1
12" @ 1.0%

STA. 84+20, 38.5' RT
1 EA MH TA, 4' DIA.
SPECIAL FRAME & GRATE
EOP = 673.36
INV. = 667.81

STA. 85+37.10, 38.8' LT
1 EA INL TA
SPECIAL FRAME & GRATE
EOP = 673.30
INV = 669.95

124 LIN FT SS-CL-A1
12" @ 0.5%

STA. 500+49.75, 40' RT
1 EA MH TA, 7' DIA.
TY 1 FRAME & CL LID
RIM = 667.40
INV = 657.89 E
INV = N,S (FIELD VERIFY)

CLASS D PATCH,
TYPE III, 18.8 SY

EX CURB AND GUTTER
REMOVE AND REPLACE 10 LF

EX CONC. SIDEWALK
REMOVE AND REPLACE 108 SF

198 LIN FT SS-CL-A2
18" @ 1.2%

EX CONC. DRIVEWAY
REMOVE AND REPLACE 13 SY

EX CHAINLINK FENCE
REMOVE AND REPLACE 36 LF

EX CONC. DRIVEWAY
REMOVE AND REPLACE 13 SY

66 LIN FT SS-CL-A1
12" @ 1.0%

STA. 76+65, 38.5' RT
1 EA INL TB
SPECIAL FRAME & GRATE
EOP = 670.62
INV. = 666.55

66 LIN FT SS-CL-A1
12" @ 1.5%

STA. 78+35, 38.5' RT
1 EA INL TB
SPECIAL FRAME & GRATE
EOP = 669.20
INV. = 665.22

STA. 79+50, 38.5' RT
1 EA MH TA, 5' DIA.
SPECIAL FRAME & GRATE
EOP = 669.64
INV. = 663.53

90 LIN FT SS-CL-A1
15" @ 1.0%

STA. 80+41.77, 48.9' RT
1 EA MH TA, 4' DIA.
SPECIAL FRAME & GRATE
EOP = 670.00
INV. = 664.45

STA. 80+88, 40.9' RT
1 EA INL TB
SPECIAL FRAME & GRATE
EOP = 670.52
INV. = 666.82

13 LIN FT SS-CL-A1
12" @ 0.5%

STA. 80+75, 49' RT
1 EA MH TA, 4' DIA.
TYPE 8 GRATE
RIM = 669.65
INV. = 666.75 W
INV. = 664.75 N,S

28 LIN FT SS-CL-A1
15" @ 1.0%

STA. 82+55, 50.5' RT
1 EA MH TA, 4' DIA.
SPECIAL FRAME & GRATE
EOP = 671.69
INV. = 666.51

176 LIN FT SS-CL-A1
15" @ 1.0%

238 LIN FT SS-CL-A1
15" @ 0.5%

STA. 84+25, 52' RT
1 EA INL TB
TYPE 8 GRATE
RIM = 670.98
INV. = 667.93

42 LIN FT SS-CL-A1
12" @ 2.0%

STA. 83+80.73, 51.1' RT
1 EA INL TB
SPECIAL FRAME & GRATE
EOP = 672.74
INV. = 668.77

162 LIN FT SS-CL-A1
15" @ 0.8%

SEE NOTE 2

SEE NOTE 2

SEE NOTE 2

NOTES:
1. SPECIAL FRAME AND GRATE SHALL BE A NEENAH TYPE R-3222-LA OR EQUIVALENT.
2. REMOVE EXISTING STORM SEWER AND STRUCTURES.

MATCHLINE STA. 74+00

MATCHLINE STA. 86+00

FERNWOOD DRIVE
MATCHLINE SEE RIGHT

N. MERCHANTS DRIVE

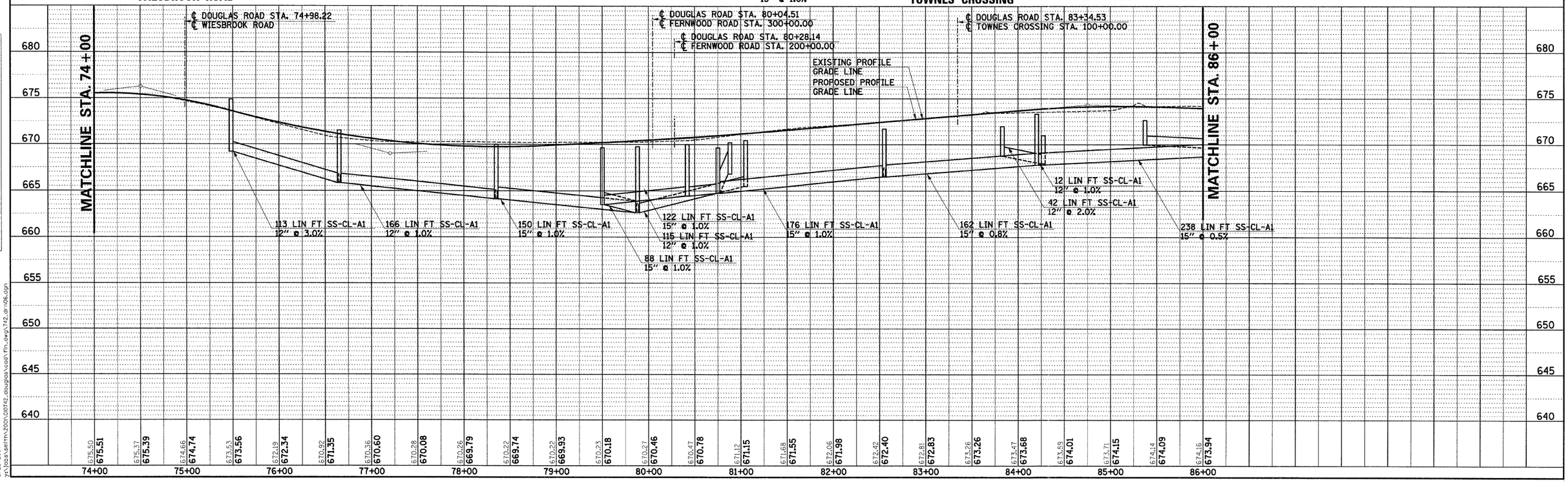
DOUGLAS ROAD

WIESBROOK ROAD

TOWNES CROSSING

FERNWOOD ROAD

MATCHLINE SEE LEFT



DOUGLAS ROAD STA.74+00 TO STA. 86+00 – DRAINAGE PLAN AND PROFILE

PLAN
SURVEYED
DRAWN
ALIGNMENT CHECKED
RT. OF WAY CHECKED
NOTE BOOK
NO.
DATE
BY

PROFILE
SURVEYED
DRAWN
CHECKED
B.M. NOTED
STRUCTURE NOTATIONS CHKD
NOTE BOOK
NO.

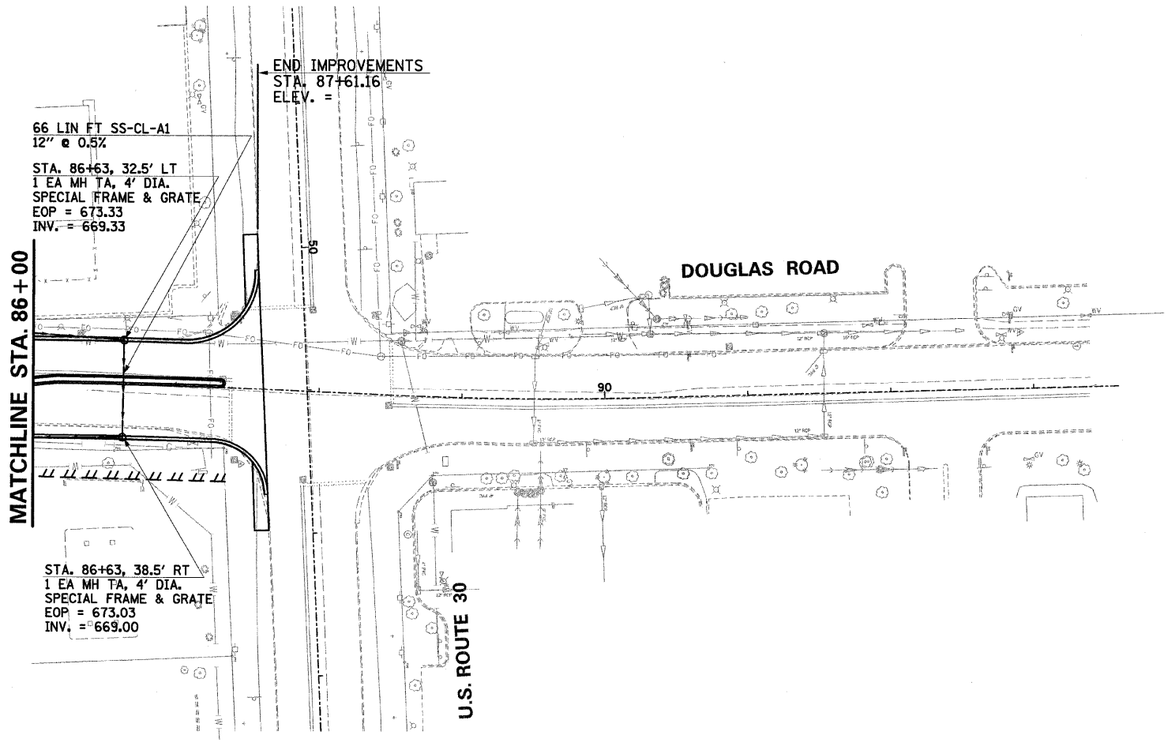
2:52:21 AM
3/28/2007
y:\jobs\smith\200\067-42_douglas\cad\fin_dwg\742_dr-06.dgn

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2508	02-00039-00-PV	KENDALL	146	47
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

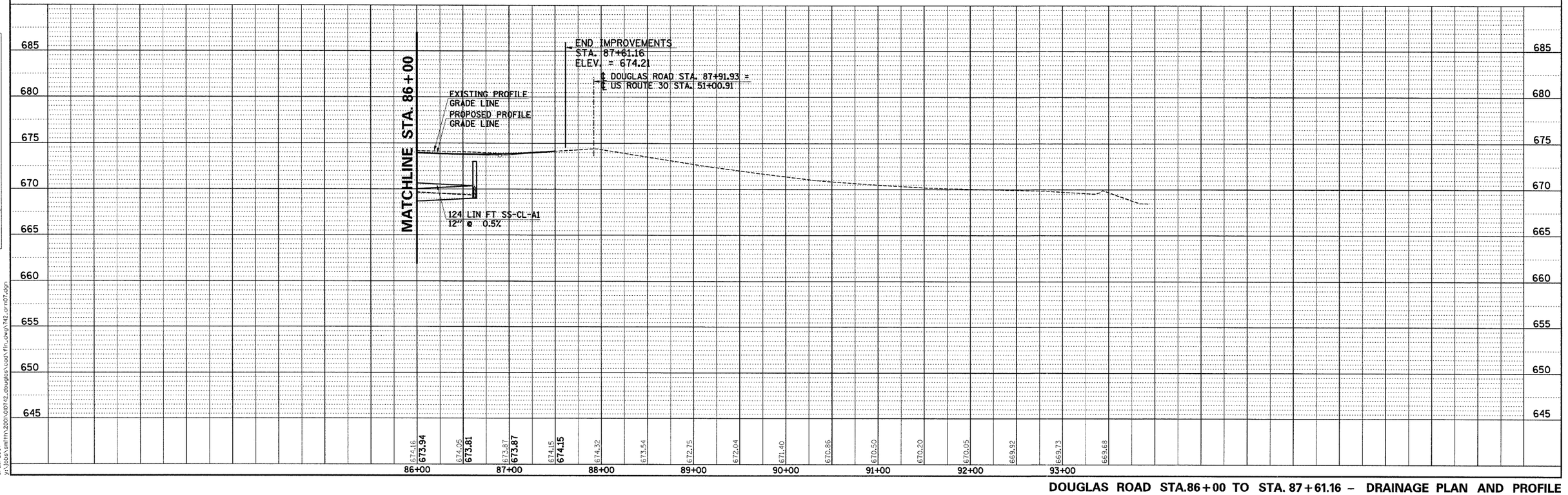
87333

50 0 50 100

SCALE IN FEET



NOTE:
SPECIAL FRAME AND GRATE SHALL BE
A NEENAH TYPE R-3222-LA OR EQUIVALENT.



DOUGLAS ROAD STA.86+00 TO STA. 87+61.16 – DRAINAGE PLAN AND PROFILE

PLAN
NOTE BOOK
NO.
SURVEYED
PLOTTED
ALIGNMENT CHECKED
RT. OF WAY CHECKED
DGN FILE NAME
BY
DATE

PROFILE
NOTE BOOK
NO.
SURVEYED
PLOTTED
GRADES CHECKED
R.M. NOTED
DGN FILE NAME (STATING D/R'D)
BY
DATE

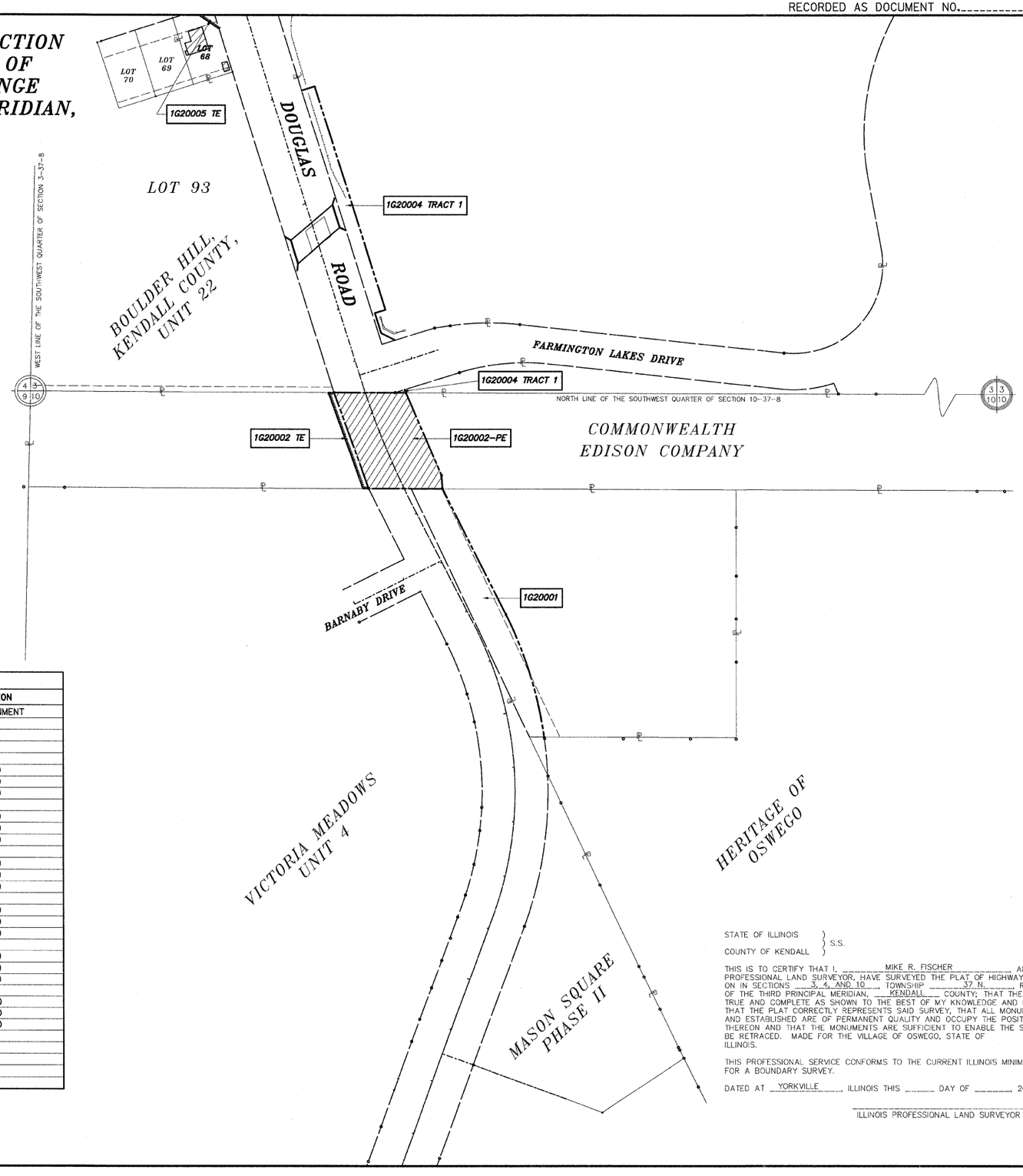
2x2al2 AM
3/28/2007
x:\jobs\sm1m\2001\00742_douglas\cad\fin_dwg\742_drn01.dgn

RECORDED AS DOCUMENT NO._____

PART OF THE SOUTHWEST 1/4, OF SECTION 3 AND PART OF THE NORTHWEST 1/4 OF SECTION 10, TOWNSHIP 37 NORTH, RANGE 8, EAST OF THE THIRD PRINCIPAL MERIDIAN, IN KENDALL COUNTY, ILLINOIS.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2508	02-00039-00-PV	KENDALL	146	48
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

100 0 50 100 200
(IN FEET)
SCALE: 1" = 100'



LEGEND

- SECTION CORNER
- QUARTER SECTION CORNER
- SECTION LINE
- QUARTER SECTION LINE
- QUARTER, QUARTER SECTION LINE
- PLATTED LOT LINE
- PROPERTY (DEED) LINE
- APPARENT PROPERTY LINE
- CENTERLINE
- EXISTING RIGHT OF WAY LINE
- PROPOSED RIGHT OF WAY LINE
- EXISTING EASEMENT
- PROPOSED EASEMENT
- 129.32' MEASURED DIMENSION
- 129.32'(COMP) COMPUTED DIMENSION
- ( ) RECORD DATA
- 129.32'→ MEASUREMENT CONTINUED TO NEXT PAGE
- EXISTING BUILDING

- ○ IRON PIPE OR ROD FOUND
- ○ REPLACED AFTER CONSTRUCTION
- \+ CUT CROSS FOUND OR SET
- ○ T1, T2, T3 THESE STAKES REFERENCE FOUND OR SET MONUMENTATION. SET 5/8 INCH IRON ROD FLUSH WITH GROUND TO TIE FOUND IRON STAKE. IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
- ○ BT1, BT2, BT3 THESE STAKES, IN CULTIVATED AREAS, REFERENCE FOUND OR SET MONUMENTATION. BURIED 5/8 INCH IRON ROD 20 INCHES BELOW GROUND TO TIE FOUND IRON STAKE. IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
- ■ STAKING OF PROPOSED RIGHT OF WAY.
- ■ M STAKING OF PROPOSED RIGHT OF WAY IN CULTIVATED AREAS. BURIED 5/8 INCH METAL ROD 20 INCHES BELOW GROUND TO MARK FUTURE SURVEY MARKER POSITION. IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.

COORDINATE TABLE

POINT	STATION	NORTHING	EASTING	DESCRIPTION
1	10+00.00	1832920.03	989182.81	BEGINNING OF ALIGNMENT
P.C.	19+60.13	1833688.19	988606.81	CURVE #1 (DOUGC-1)
P.I.	22+68.95	1833935.27	988421.54	CURVE #1 (DOUGC-1)
P.T.	25+28.42	1834227.63	988521.04	CURVE #1 (DOUGC-1)
P.C.	36+26.16	1835266.83	988874.72	CURVE #2 (DOUGC-2)
P.I.	39+13.93	1835539.26	988967.44	CURVE #2 (DOUGC-2)
P.T.	41+68.90	1835792.58	988830.91	CURVE #2 (DOUGC-2)
P.C.	44+13.75	1836008.13	988714.75	CURVE #3 (DOUGC-3)
P.I.	45+37.38	1836116.96	988656.10	CURVE #3 (DOUGC-3)
P.T.	46+60.42	1836234.16	988616.72	CURVE #3 (DOUGC-3)
P.C.	64+02.62	1837885.61	988061.77	CURVE #4 (DOUGC-4)
P.I.	65+65.70	1838040.20	988009.83	CURVE #4 (DOUGC-4)
P.T.	67+25.97	1838203.28	988009.43	CURVE #4 (DOUGC-4)
P.C.	78+48.66	1839325.97	988006.69	CURVE #7 (DOUGC-7)
P.I.	79+59.17	1839436.48	988006.42	CURVE #7 (DOUGC-7)
P.T.	80+69.68	1839546.99	988007.37	CURVE #7 (DOUGC-7)
P.C.	85+36.57	1840013.86	988011.39	CURVE #5 (DOUGC-5)
P.I.	86+44.34	1840121.63	988012.32	CURVE #5 (DOUGC-5)
P.T.	87+52.06	1840229.19	988019.05	CURVE #5 (DOUGC-5)
P.C.	88+52.83	1840329.76	988025.34	CURVE #6 (DOUGC-6)
P.I.	89+39.01	1840415.77	988030.73	CURVE #6 (DOUGC-6)
P.T.	90+25.12	1840501.95	988030.17	CURVE #6 (DOUGC-6)
8	93+92.53	1840869.35	988027.81	END PROJECT

NOTE: ALL COORDINATES REPRESENT GIRD COORDINATES BASED ON THE ILLINOIS STATE PLANE COORDINATE, EAST ZONE (NAD 83 (1997)).

STATE OF ILLINOIS)
) S.S.
COUNTY OF KENDALL)

THIS IS TO CERTIFY THAT I, _____ MIKE R. FISCHER _____, AN ILLINOIS PROFESSIONAL LAND SURVEYOR, HAVE SURVEYED THE PLAT OF HIGHWAYS SHOWN HEREON IN SECTIONS ___3, 4, AND 10___, TOWNSHIP _____37 N._____, RANGE __8 E.__, OF THE THIRD PRINCIPAL MERIDIAN, ___KENDALL___ COUNTY; THAT THE SURVEY IS TRUE AND COMPLETE AS SHOWN TO THE BEST OF MY KNOWLEDGE AND BELIEF; THAT THE PLAT CORRECTLY REPRESENTS SAID SURVEY, THAT ALL MONUMENTS FOUND AND ESTABLISHED ARE OF PERMANENT QUALITY AND OCCUPY THE POSITIONS SHOWN THEREON AND THAT THE MONUMENTS ARE SUFFICIENT TO ENABLE THE SURVEY TO BE RETRACED. MADE FOR THE VILLAGE OF OSWEGO, STATE OF ILLINOIS.

THIS PROFESSIONAL SERVICE CONFORMS TO THE CURRENT ILLINOIS MINIMUM STANDARDS FOR A BOUNDARY SURVEY.

DATED AT ___YORKVILLE___, ILLINOIS THIS _____ DAY OF _____, 20__ A.D.

_____
ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 3443

OVERALL DETAIL

SMITH ENGINEERING CONSULTANTS, INC.
CIVIL/STRUCTURAL ENGINEERS AND SURVEYORS
4500 PRIME PARKWAY, SUITE 201
McHENRY, ILLINOIS 60050
PH: 815-385-1776 FAX: 815-385-1781
www.smithengineering.com E-MAIL: sec@smithengineering.com
■ McHENRY ■ HUNTLEY ■ YORKVILLE
ILLINOIS PROFESSIONAL DESIGN FIRM # 184-000108

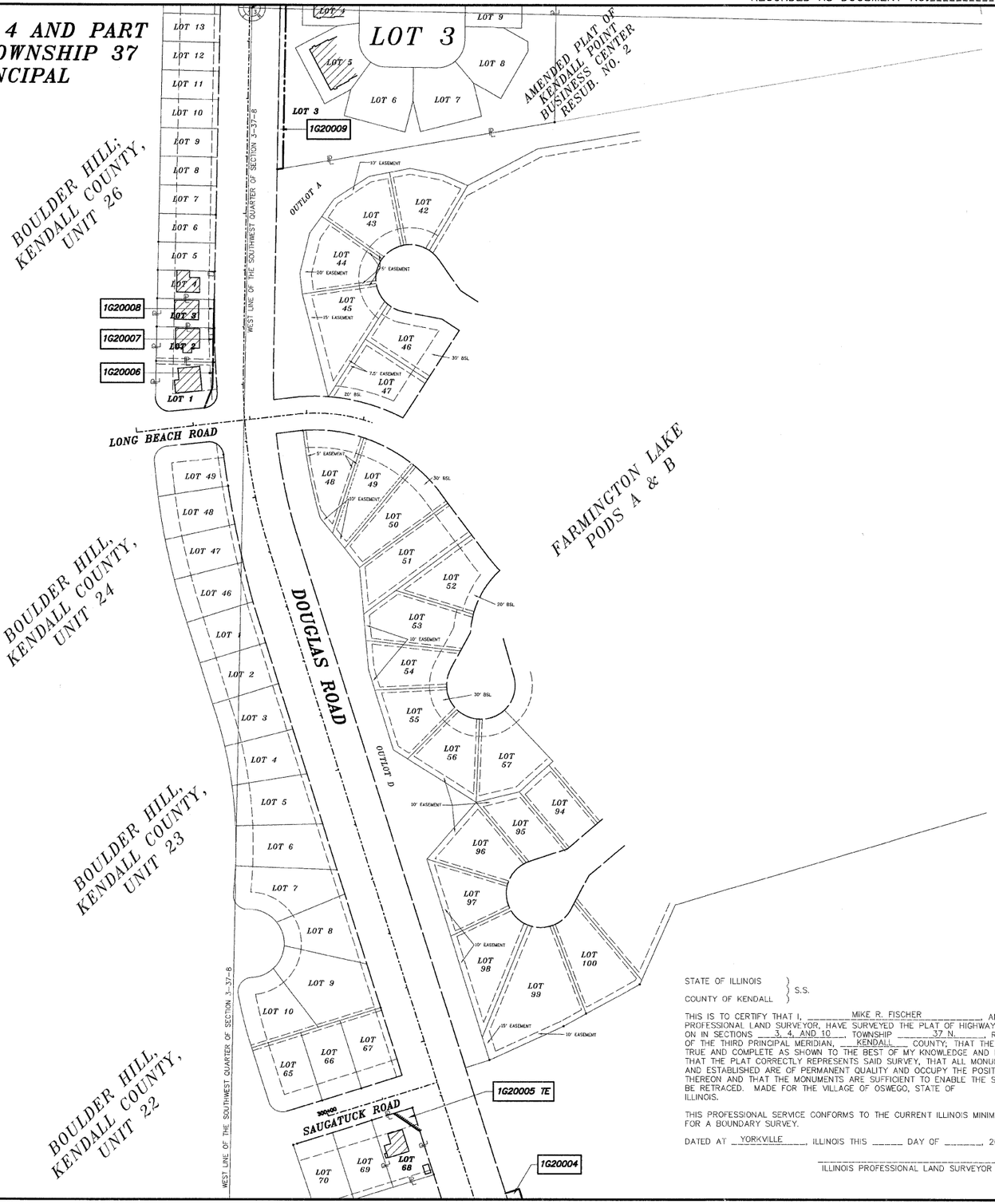
VILLAGE OF OSWEGO
RIGHT OF WAY PLANS

ROUTE DOUGLAS ROAD
SECTION 02-00039-00-PV
COUNTY KENDALL
JOB# 87333 PROJECT#
SEC 3, 4, & 10 T 37N, R 8 E OF 3RD P.M.
STA TO STA
DRAWN CHECKED
SCALE: 1" =100' SHEET NO. 1 OF 8

COMP. FILE: $FILE$
DATE: $DATE$

RECORDED AS DOCUMENT NO._____

PART OF THE SOUTHEAST 1/4 OF SECTION 4 AND PART OF THE SOUTHWEST 1/4, OF SECTION 3, TOWNSHIP 37 NORTH, RANGE 8, EAST OF THE THIRD PRINCIPAL MERIDIAN, IN KENDALL COUNTY, ILLINOIS.



F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2508	02-00039-00-PV	KENDALL	146	49
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

100 0 50 100 200
(IN FEET)
SCALE: 1" = 100'

N

LEGEND

SECTION CORNER (9 10 / 16 15)
QUARTER SECTION CORNER (16 / 15)

- SECTION LINE
- QUARTER SECTION LINE
- QUARTER, QUARTER SECTION LINE
- PLATTED LOT LINE
- PROPERTY (DEED) LINE
- APPARENT PROPERTY LINE
- CENTERLINE
- EXISTING RIGHT OF WAY LINE
- PROPOSED RIGHT OF WAY LINE
- EXISTING EASEMENT
- PROPOSED EASEMENT
- 129.32' MEASURED DIMENSION
- 129.32'(COMP) COMPUTED DIMENSION
- ( ) RECORD DATA
- 129.32'→ MEASUREMENT CONTINUED TO NEXT PAGE
- EXISTING BUILDING

- ○ IRON PIPE OR ROD FOUND — ∘ REPLACED AFTER CONSTRUCTION
- \+ CUT CROSS FOUND OR SET
- ∘ T1 T2 T3 THESE STAKES REFERENCE FOUND OR SET MONUMENTATION. SET 5/8 INCH IRON ROD FLUSH WITH GROUND TO TIE FOUND IRON STAKE. IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
- ∘ BT1 BT2 BT3 THESE STAKES, IN CULTIVATED AREAS, REFERENCE FOUND OR SET MONUMENTATION. BURIED 5/8 INCH IRON ROD 20 INCHES BELOW GROUND TO TIE FOUND IRON STAKE. IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
- ■ STAKING OF PROPOSED RIGHT OF WAY.
- ■ M STAKING OF PROPOSED RIGHT OF WAY IN CULTIVATED AREAS. BURIED 5/8 INCH METAL ROD 20 INCHES BELOW GROUND TO MARK FUTURE SURVEY MARKER POSITION. IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.

STATE OF ILLINOIS)
) S.S.
COUNTY OF KENDALL)

THIS IS TO CERTIFY THAT I, _____MIKE R. FISCHER_____, AN ILLINOIS PROFESSIONAL LAND SURVEYOR, HAVE SURVEYED THE PLAT OF HIGHWAYS SHOWN HEREON IN SECTIONS 3, 4, AND 10, TOWNSHIP 37 N., RANGE 8 E., OF THE THIRD PRINCIPAL MERIDIAN, KENDALL COUNTY, THAT THE SURVEY IS TRUE AND COMPLETE AS SHOWN TO THE BEST OF MY KNOWLEDGE AND BELIEF; THAT THE PLAT CORRECTLY REPRESENTS SAID SURVEY, THAT ALL MONUMENTS FOUND AND ESTABLISHED ARE OF PERMANENT QUALITY AND OCCUPY THE POSITIONS SHOWN THEREON AND THAT THE MONUMENTS ARE SUFFICIENT TO ENABLE THE SURVEY TO BE RETRACED. MADE FOR THE VILLAGE OF OSWEGO, STATE OF ILLINOIS.

THIS PROFESSIONAL SERVICE CONFORMS TO THE CURRENT ILLINOIS MINIMUM STANDARDS FOR A BOUNDARY SURVEY.

DATED AT YORKVILLE, ILLINOIS THIS _____ DAY OF _____, 20__ A.D.

_____
ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 3443

OVERALL DETAIL

SMITH ENGINEERING CONSULTANTS, INC.
CIVIL/STRUCTURAL ENGINEERS AND SURVEYORS
4505 PRIME PARKWAY, SUITE 101
McHENRY, ILLINOIS 60050
PH: 815-385-1776 FAX 815-385-1781
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■ McHENRY ■ HUNTLEY ■ YORKVILLE
ILLINOIS PROFESSIONAL DESIGN FIRM # 184-000108

VILLAGE OF OSWEGO
RIGHT OF WAY PLANS

ROUTE DOUGLAS ROAD
SECTION 02-00039-00-PV
COUNTY KENDALL
JOB# 87333 PROJECT#
SEC 3, 4, & 10 T 37N, R 8 E OF 3RD P.M.
STA TO STA
DRAWN CHECKED
SCALE: 1" =100' SHEET NO. 2 OF 8

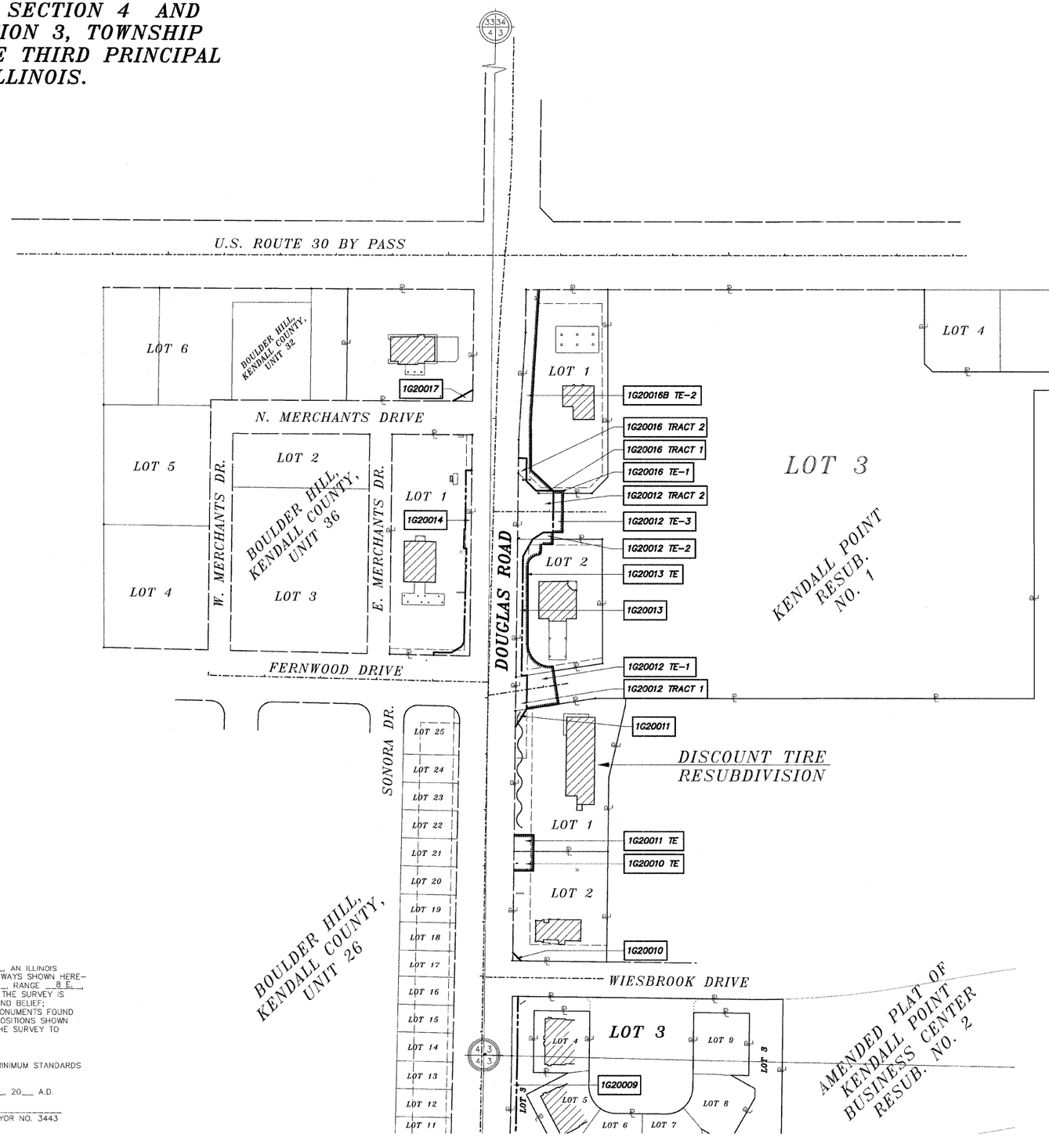
COMP. FILE: $FILE$
DATE: $DATE$

RECORDED AS DOCUMENT NO._____

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2508	02-00039-00-PV	KENDALL	146	50
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

100 0 50 100 200
(IN FEET)
SCALE: 1" = 100'

PART OF THE NORTHEAST 1/4 OF SECTION 4 AND PART OF THE WEST 1/2, OF SECTION 3, TOWNSHIP 37 NORTH, RANGE 8, EAST OF THE THIRD PRINCIPAL MERIDIAN, IN KENDALL COUNTY, ILLINOIS.



LEGEND

9 10 16 15	SECTION CORNER
16 15	QUARTER SECTION CORNER
	SECTION LINE
	QUARTER SECTION LINE
	QUARTER, QUARTER SECTION LINE
	PLATTED LOT LINE
℄ APL	PROPERTY (DEED) LINE
	APPARENT PROPERTY LINE
	CENTERLINE
	EXISTING RIGHT OF WAY LINE
	PROPOSED RIGHT OF WAY LINE
	EXISTING EASEMENT
	PROPOSED EASEMENT
129.32'	MEASURED DIMENSION
129.32'(COMP)	COMPUTED DIMENSION
( )	RECORD DATA
129.32'→	MEASUREMENT CONTINUED TO NEXT PAGE
	EXISTING BUILDING

○	IRON PIPE OR ROD FOUND
○	REPLACED AFTER CONSTRUCTION
+	CUT CROSS FOUND OR SET
○ T1 T2 T3	THESE STAKES REFERENCE FOUND OR SET MONUMENTATION. SET 5/8 INCH IRON ROD FLUSH WITH GROUND TO TIE FOUND IRON STAKE. IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
○ BT1 BT2 BT3	THESE STAKES, IN CULTIVATED AREAS, REFERENCE FOUND OR SET MONUMENTATION. BURIED 5/8 INCH IRON ROD 20 INCHES BELOW GROUND TO TIE FOUND IRON STAKE. IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
■	STAKING OF PROPOSED RIGHT OF WAY.
■ M	STAKING OF PROPOSED RIGHT OF WAY IN CULTIVATED AREAS. BURIED 5/8 INCH METAL ROD 20 INCHES BELOW GROUND TO MARK FUTURE SURVEY MARKER POSITION. IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.

OVERALL DETAIL

STATE OF ILLINOIS)
) S.S.
COUNTY OF KENDALL)

THIS IS TO CERTIFY THAT I, MIKE R. FISCHER, AN ILLINOIS PROFESSIONAL LAND SURVEYOR, HAVE SURVEYED THE PLAT OF HIGHWAYS SHOWN HEREON IN SECTIONS 3, 4, AND 10, TOWNSHIP 37 N., RANGE 8 E., OF THE THIRD PRINCIPAL MERIDIAN, KENDALL COUNTY; THAT THE SURVEY IS TRUE AND COMPLETE AS SHOWN TO THE BEST OF MY KNOWLEDGE AND BELIEF; THAT THE PLAT CORRECTLY REPRESENTS SAID SURVEY, THAT ALL MONUMENTS FOUND AND ESTABLISHED ARE OF PERMANENT QUALITY AND OCCUPY THE POSITIONS SHOWN THEREON AND THAT THE MONUMENTS ARE SUFFICIENT TO ENABLE THE SURVEY TO BE RETRACED. MADE FOR THE VILLAGE OF OSWEGO, STATE OF ILLINOIS.

THIS PROFESSIONAL SERVICE CONFORMS TO THE CURRENT ILLINOIS MINIMUM STANDARDS FOR A BOUNDARY SURVEY.

DATED AT YORKVILLE, ILLINOIS THIS _____ DAY OF _____, 20___ A.D.

_____
ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 3443

COMP. FILE: $FILE$
DATE: $DATE$

SMITH ENGINEERING CONSULTANTS, INC.
CIVIL/STRUCTURAL ENGINEERS AND SURVEYORS
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ILLINOIS PROFESSIONAL DESIGN FIRM # 184-000108

VILLAGE OF OSWEGO
RIGHT OF WAY PLANS

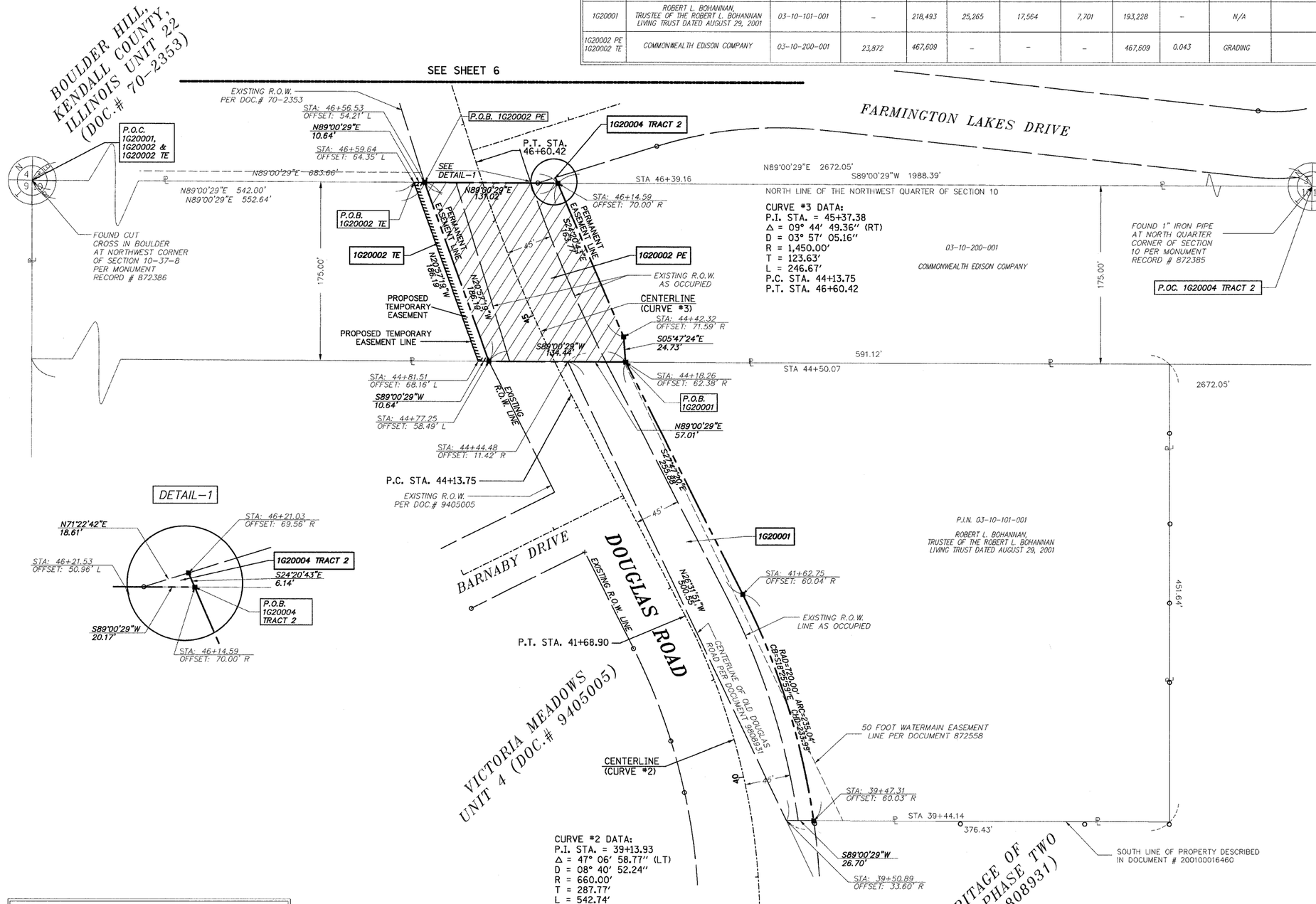
ROUTE DOUGLAS ROAD
SECTION 02-00039-00-PV
COUNTY KENDALL
JOB# 87333 PROJECT#
SEC 3, 4, & 10 T 37N, R 8 E OF 3RD P.M.
STA TO STA
DRAWN CHECKED
SCALE: 1" =100' SHEET NO. 3 OF 8

RECORDED AS DOCUMENT NO._____

PART OF THE NORTHWEST 1/4 OF SECTION 10, TOWNSHIP 37 NORTH, RANGE 8, EAST OF THE THIRD PRINCIPAL MERIDIAN, IN KENDALL COUNTY, ILLINOIS.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2508	02-00039-00-PV	KENDALL	146	51
STA. 39+00.00	TO STA. 47+38.00			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

PARCEL NO.	OWNER	P.I.N.	PERMANENT EASEMENT AREA (SQ. FT)	TOTAL HOLDING AREA (SQ. FT)	TOTAL R.O.W. REQUIRED (SQ. FT)	AREA IN EXISTING R.O.W. (SQ. FT)	NET R.O.W. REQUIRED (SQ. FT)	REMAINING AREA (SQ. FT)	EASEMENT AREA (SQ. FT)	EASEMENT PURPOSE	ACQUIRED BY:	TITLE COMMITMENT NUMBER
1G20004 TRACT 1 TRACT 2	CHICAGOLAND ASSOCIATES, L.L.C., A DELAWARE LIMITED LIABILITY COMPANY	03-03-353-003 03-03-353-004	–	2,362,197	11,158 57	–	–	2,350,982	–	N/A		SEC-2006KL-227.0
1G20001	ROBERT L. BOHANNAN, TRUSTEE OF THE ROBERT L BOHANNAN LIVING TRUST DATED AUGUST 29, 2001	03-10-101-001	–	218,493	25,265	17,564	7,701	193,228	–	N/A		SEC-2006KL-225.0
1G20002 PE 1G20002 TE	COMMONWEALTH EDISON COMPANY	03-10-200-001	23,872	467,609	–	–	–	467,609	0.043	GRADING		SEC-2006KL-226.0



LEGEND

- SECTION CORNER
- QUARTER SECTION CORNER
- SECTION LINE
- QUARTER SECTION LINE
- QUARTER, QUARTER SECTION LINE
- PLATTED LOT LINE
- PROPERTY (DEED) LINE
- APPARENT PROPERTY LINE
- CENTERLINE
- EXISTING RIGHT OF WAY LINE
- PROPOSED RIGHT OF WAY LINE
- EXISTING EASEMENT
- PROPOSED EASEMENT
- 129.32' MEASURED DIMENSION
- 129.32'(COMP) COMPUTED DIMENSION
- ( ) 129.32' RECORD DATA
- MEASUREMENT CONTINUED TO NEXT PAGE
- EXISTING BUILDING

- ○ IRON PIPE OR ROD FOUND ○ REPLACED AFTER CONSTRUCTION
- \+ CUT CROSS FOUND OR SET
- ○ T1, T2, T3 THESE STAKES REFERENCE FOUND OR SET MONUMENTATION. SET 5/8 INCH IRON ROD FLUSH WITH GROUND TO TIE FOUND IRON STAKE. IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
- ○ BT1, BT2, BT3 THESE STAKES, IN CULTIVATED AREAS, REFERENCE FOUND OR SET MONUMENTATION. BURIED 5/8 INCH IRON ROD 20 INCHES BELOW GROUND TO TIE FOUND IRON STAKE. IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
- ■ STAKING OF PROPOSED RIGHT OF WAY.
- ■ M STAKING OF PROPOSED RIGHT OF WAY IN CULTIVATED AREAS. BURIED 5/8 INCH METAL ROD 20 INCHES BELOW GROUND TO MARK FUTURE SURVEY MARKER POSITION. IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.

N

50 0 25 50 100
(IN FEET)
SCALE: 1" = 50'

STATE OF ILLINOIS } S.S.
COUNTY OF KENDALL }

THIS IS TO CERTIFY THAT I, MIKE R. FISCHER, AN ILLINOIS PROFESSIONAL LAND SURVEYOR, HAVE SURVEYED THE PLAT OF HIGHWAYS SHOWN HEREON IN SECTIONS 3, 4, AND 10, TOWNSHIP 37 N., RANGE 8 E., OF THE THIRD PRINCIPAL MERIDIAN, KENDALL COUNTY; THAT THE SURVEY IS TRUE AND COMPLETE AS SHOWN TO THE BEST OF MY KNOWLEDGE AND BELIEF; THAT THE PLAT CORRECTLY REPRESENTS SAID SURVEY, THAT ALL MONUMENTS FOUND AND ESTABLISHED ARE OF PERMANENT QUALITY AND OCCUPY THE POSITIONS SHOWN THEREON AND THAT THE MONUMENTS ARE SUFFICIENT TO ENABLE THE SURVEY TO BE RETRACED. MADE FOR THE VILLAGE OF OSWEGO, STATE OF ILLINOIS.

THIS PROFESSIONAL SERVICE CONFORMS TO THE CURRENT ILLINOIS MINIMUM STANDARDS FOR A BOUNDARY SURVEY.

DATED AT YORKVILLE, ILLINOIS THIS _____ DAY OF _____, 20__ A.D.

_____
ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 3443

PARCEL DETAILS DOUGLAS ROAD

SMITH ENGINEERING CONSULTANTS, INC.
CIVIL/STRUCTURAL ENGINEERS AND SURVEYORS
4500 PRIME PARKWAY, SUITE 201
McHENRY, ILLINOIS 60050
PH: 815-385-1779 FAX: 815-385-1781
www.smithengineering.com E-MAIL: sec@smithengineering.com
■ McHENRY ■ DUNDEE ■ YORKVILLE
ILLINOIS PROFESSIONAL DESIGN FIRM # 184-000108

VILLAGE OF OSWEGO
RIGHT OF WAY PLANS

ROUTE DOUGLAS ROAD
SECTION 02-00039-00-PV
COUNTY KENDALL
JOB# 87333 PROJECT#
SEC 3, 4, & 10 T 37N, R 8 E OF 3RD P.M.
STA 39+00.00 TO STA 47+38.00
DRAWN RBM CHECKED MRF
SCALE: 1" =50' SHEET NO. 4 OF 8

1.) ALL BEARINGS ARE BASED ON NAD 83 (1997), ILLINOIS STATE PLANE COORDINATE SYSTEM EAST ZONE GRID.

2.) GROUND TO GRID FACTOR (COMBINED SCALE FACTOR)=0.99994325

COMP. FILE: $FILE$
DATE: $DATE$

RECORDED AS DOCUMENT NO._____

PART OF THE SOUTHWEST 1/4, OF SECTION 3, TOWNSHIP 37 NORTH, RANGE 8, EAST OF THE THIRD PRINCIPAL MERIDIAN, IN KENDALL COUNTY, ILLINOIS.

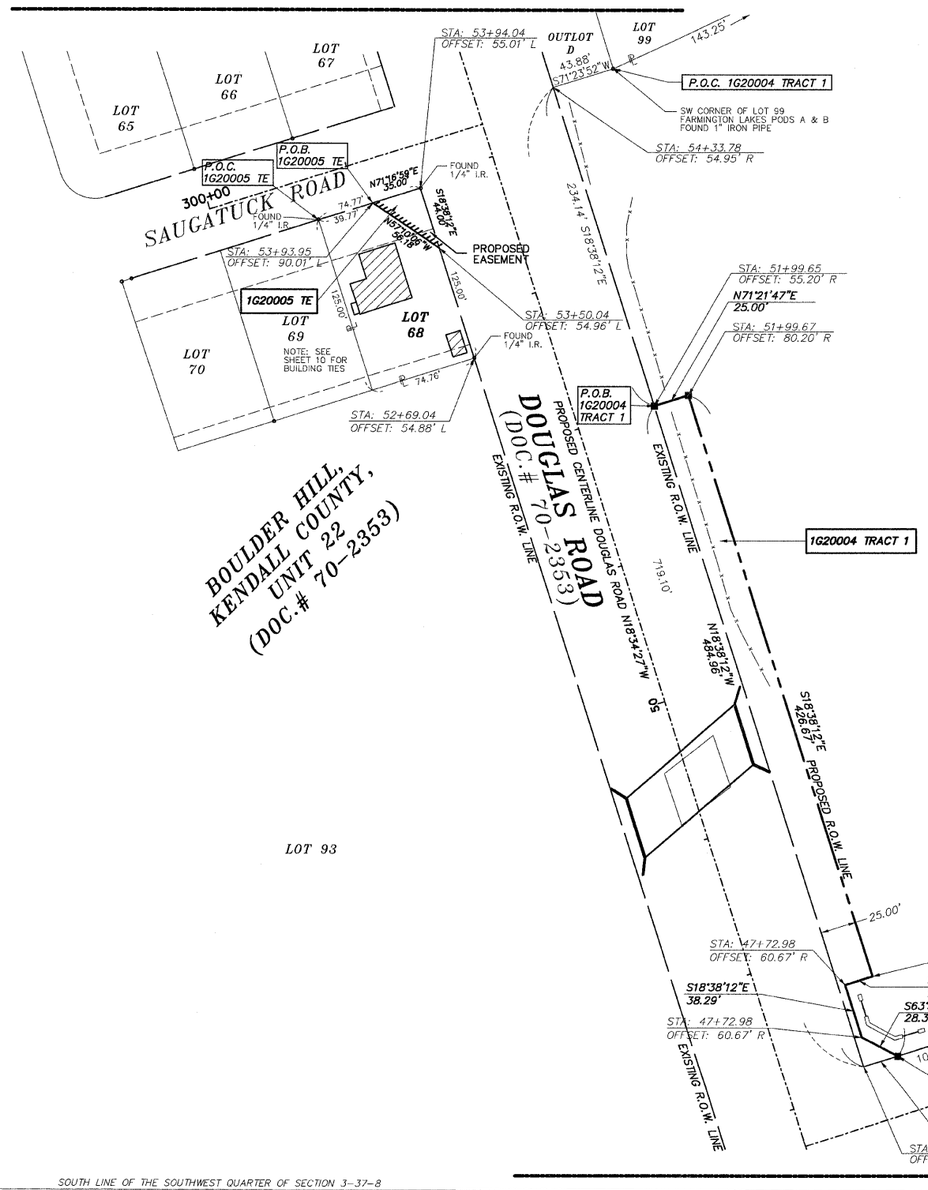
PARCEL NO.	OWNER	P.I.N.	TOTAL HOLDING AREA (SQ. FT)	AREA TAKEN (SQ. FT)	PREV. DEED OR USED AREA (SQ. FT)	REMAINING AREA (SQ. FT)	EASEMENT AREA (SQ. FT)	EASEMENT PURPOSE	ACQUIRED BY:	TITLE COMMITMENT NUMBER
1G20004 TRACT 1 TRACT 2	CHICAGOLAND ASSOCIATES, L.L.C., A DELAWARE LIMITED LIABILITY COMPANY	03-03-353-003 03-03-353-004	2,362,197	11,158 57	N/A	2,350,982	–	N/A		SEC-2006KL-227.0
1G20005 TE	LORENZO A. CADENA, JR. AND MIROSLAVA E. CADENA, AS TENANTS BY THE ENTIRETY	10-03-352-004	9,346	–	N/A	9,346	770	GRADING		SEC-2006KL-228.0

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2508	02-00039-00-PV	KENDALL	146	52
STA. 46+71.89	TO STA. 54+76.70			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

N

50 0 25 50 100
(IN FEET)
SCALE: 1" = 50'

SEE SHEET 7



SEE SHEET 5

NOTE: THERE IS NO PARCEL 1G20003

LEGEND

- SECTION CORNER
- QUARTER SECTION CORNER
- SECTION LINE
- QUARTER SECTION LINE
- QUARTER, QUARTER SECTION LINE
- PLATTED LOT LINE
- PROPERTY (DEED) LINE
- APPARENT PROPERTY LINE
- CENTERLINE
- EXISTING RIGHT OF WAY LINE
- PROPOSED RIGHT OF WAY LINE
- EXISTING EASEMENT
- PROPOSED EASEMENT
- 129.32' MEASURED DIMENSION
- 129.32'(COMP) COMPUTED DIMENSION
- ( ) RECORD DATA
- 129.32' → MEASUREMENT CONTINUED TO NEXT PAGE
- EXISTING BUILDING

- ○ IRON PIPE OR ROD FOUND — ○ REPLACED AFTER CONSTRUCTION
- \+ CUT CROSS FOUND OR SET
- ○ T1 T2 T3 THESE STAKES REFERENCE FOUND OR SET MONUMENTATION. SET 5/8 INCH IRON ROD FLUSH WITH GROUND TO TIE FOUND IRON STAKE. IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
- ○ BT1 BT2 BT3 THESE STAKES, IN CULTIVATED AREAS, REFERENCE FOUND OR SET MONUMENTATION. BURIED 5/8 INCH IRON ROD 20 INCHES BELOW GROUND TO TIE FOUND IRON STAKE. IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
- ■ STAKING OF PROPOSED RIGHT OF WAY.
- ■ M STAKING OF PROPOSED RIGHT OF WAY IN CULTIVATED AREAS, BURIED 5/8 INCH METAL ROD 20 INCHES BELOW GROUND TO MARK FUTURE SURVEY MARKER POSITION. IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.

STATE OF ILLINOIS } S.S.
COUNTY OF KENDALL }

THIS IS TO CERTIFY THAT I, MIKE R. FISCHER, AN ILLINOIS PROFESSIONAL LAND SURVEYOR, HAVE SURVEYED THE PLAT OF HIGHWAYS SHOWN HEREON IN SECTIONS 3, 4, AND 10, TOWNSHIP 37 N., RANGE 8 E., OF THE THIRD PRINCIPAL MERIDIAN, KENDALL COUNTY; THAT THE SURVEY IS TRUE AND COMPLETE AS SHOWN TO THE BEST OF MY KNOWLEDGE AND BELIEF; THAT THE PLAT CORRECTLY REPRESENTS SAID SURVEY; THAT ALL MONUMENTS FOUND AND ESTABLISHED ARE OF PERMANENT QUALITY AND OCCUPY THE POSITIONS SHOWN THEREON AND THAT THE MONUMENTS ARE SUFFICIENT TO ENABLE THE SURVEY TO BE RETRACED. MADE FOR THE VILLAGE OF OSWEGO, STATE OF ILLINOIS.

THIS PROFESSIONAL SERVICE CONFORMS TO THE CURRENT ILLINOIS MINIMUM STANDARDS FOR A BOUNDARY SURVEY.

DATED AT YORKVILLE, ILLINOIS THIS _____ DAY OF _____, 20__ A.D.

_____
ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 3443

PARCEL DETAILS DOUGLAS ROAD

SMITH ENGINEERING CONSULTANTS, INC.
CIVIL/STRUCTURAL ENGINEERS AND SURVEYORS
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■ McHENRY ■ HUNTLEY ■ YORKVILLE
ILLINOIS PROFESSIONAL DESIGN FIRM # 184-000108

VILLAGE OF OSWEGO
RIGHT OF WAY PLANS

ROUTE DOUGLAS ROAD
SECTION 02-00039-00-PV
COUNTY KENDALL
JOB# 87333 PROJECT#
SEC 3, 4, & 10 T 37N, R 8 E OF 3RD P.M.
STA 46+71.89 TO STA 54+76.70
DRAWN RBM CHECKED MRF
SCALE: 1" =50' SHEET NO. 5 OF 8

1.) ALL BEARINGS ARE BASED ON NAD 83 (1997), ILLINOIS STATE PLANE COORDINATE SYSTEM EAST ZONE GRID.

2.) GROUND TO GRID FACTOR (COMBINED SCALE FACTOR)=0.99994325

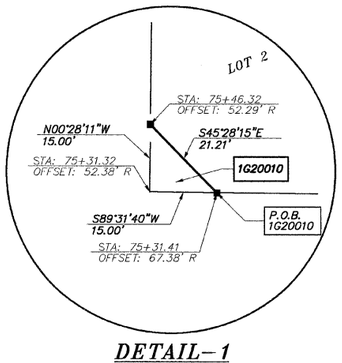
COMP. FILE: $FILE$
DATE: $DATE$

RECORDED AS DOCUMENT NO._____

PART OF THE WEST 1/2, OF SECTION 3 AND PART OF THE SOUTHEAST 1/4 OF SECTION 4, TOWNSHIP 37 NORTH, RANGE 8, EAST OF THE THIRD PRINCIPAL MERIDIAN, IN KENDALL COUNTY, ILLINOIS.

PARCEL NO.	OWNER	P.I.N.	TOTAL HOLDING AREA (SQ. FT)	AREA TAKEN (SQ. FT)	PREV. DED'D OR USED AREA (SQ. FT)	REMAINING AREA (SQ. FT)	EASEMENT AREA (SQ. FT)	EASEMENT PURPOSE	ACQUIRED BY:	TITLE COMMITMENT NUMBER
1G20006	TROY W. KERN	10-04-429-014	8,641	679	N/A	7,962	–	N/A		SEC-2006KL-229.0
1G20007	ISAAC HERNANDEZ,MARRIED TO ANGELICA HERNANDEZ AND VELIA RIOS, A SINGLE PERSON	10-04-429-013	6,140	168	N/A	5,972	–	N/A		SEC-2006KL-230.0
1G20008	MATTHEW F. TOMASZEWSKI AND JOY A. TOMASZEWSKI, HIS WIFE IN JOINT TENANCY	10-04-429-012	5,022	31	N/A	4,991	–	N/A		SEC-2006KL-231.0
1G20009	KINGSBROOK CROSSING HOMEOWNERS ASSOCIATION, AN ILLINOIS DISSOLVED NOT FOR PROFIT CORPORATION	03-03-301-023	101,408	3,860	N/A	97,548	–	N/A		SEC-2006KL-233.0
1G20010 1G20010 TE	SOVEREIGN AR, L.L.C., A DELAWARE LIMITED LIABILITY COMPANY	03-03-153-057	32,850	113	N/A	32,737	1,225	REMOVE AND REPLACE EXIST. DRIVEWAY		SEC-2006KL-234.0

PARCEL NO.	POINT TO POINT	BEARING	DISTANCE
1G20006	1 TO 2	R = 1969.86' CH = S04°33'27"E	L=52.49' 52.49'
	2 TO 3	R = 25.00' CH = S38°59'41"W	L=38.59' 34.87'
	3 TO 4	N20°22'39"E	38.29'
	4 TO 5	N00°05'05"E	43.54'
	5 TO 1	S89°56'46"E	4.37'
1G20007	1 TO 5	N89°56'46"W	4.37'
	5 TO 6	N00°05'05"E	59.96'
	6 TO 7	S89°56'46"E	1.23'
	7 TO 1	R = 1969.86' CH = S02°55'16"E	L=60.04' 60.04'
1G20008	8 TO 7	R = 1969.86' CB = S01°19'13"E	L=50.03' 50.03'
	7 TO 6	N89°56'46"W	1.23'
	6 TO 8	N00°05'05"E	50.02'

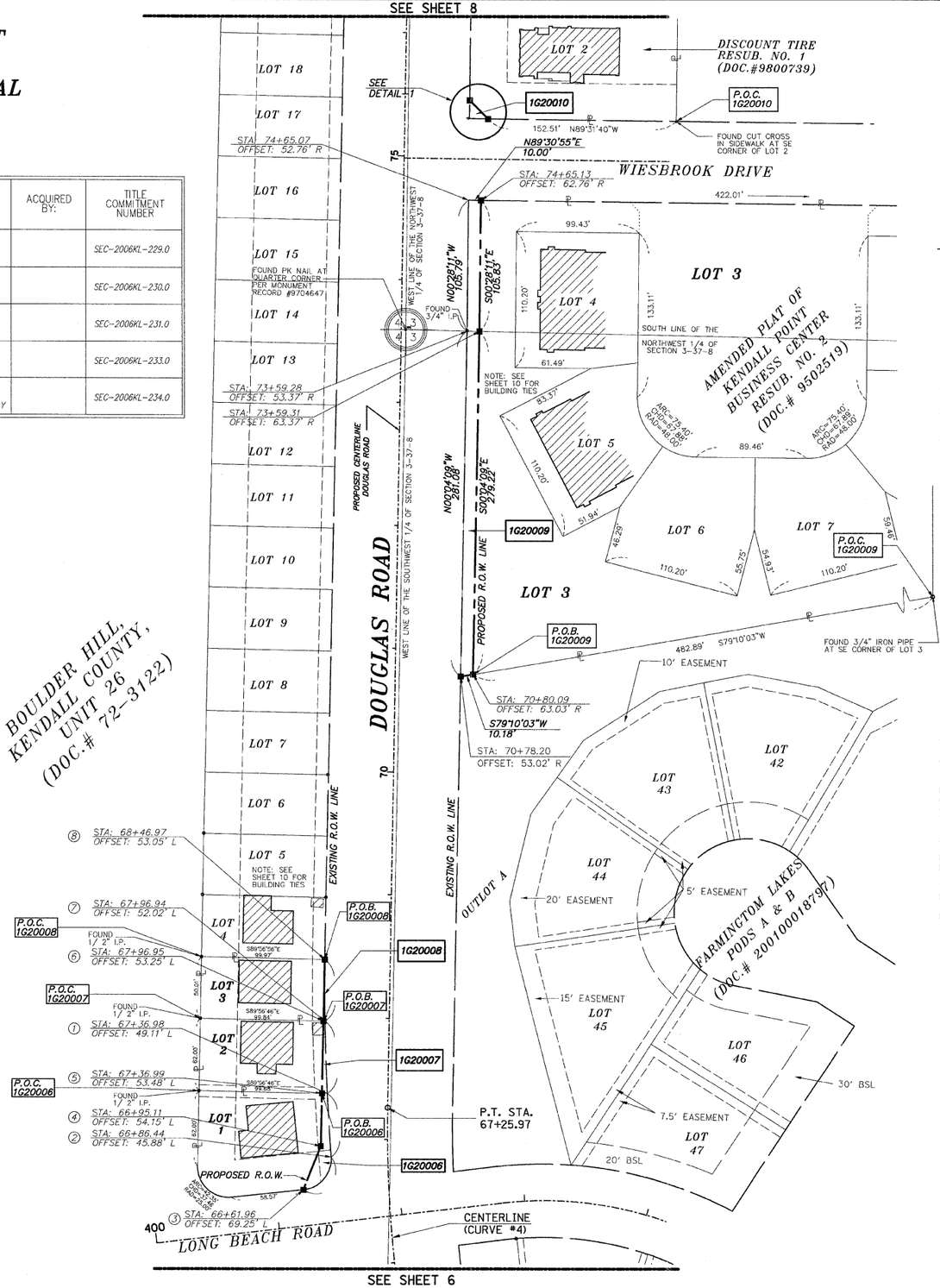


DETAIL–1

1.) ALL BEARINGS ARE BASED ON NAD 83 (1997), ILLINOIS STATE PLANE COORDINATE SYSTEM EAST ZONE GRID.

2.) GROUND TO GRID FACTOR (COMBINED SCALE FACTOR)=0.99994325

CURVE #4 DATA:
P.I. STA. = 65+65.70
Δ = 18° 26' 03.69" (RT)
D = 05° 42' 03.86"
R = 1,005.00'
T = 163.08'
L = 323.35'
P.C. STA. 64+02.62
P.T. STA. 67+25.97



F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2508	02-00039-00-PV	KENDALL	146	53
STA. 66+00.00	TO STA.	76+11.14		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

N

50 0 25 50 100
(IN FEET)
SCALE: 1" = 50'

LEGEND

- SECTION CORNER
- QUARTER SECTION CORNER
- SECTION LINE
- QUARTER SECTION LINE
- QUARTER, QUARTER SECTION LINE
- PLATTED LOT LINE
- P — PROPERTY (DEED) LINE
- APL — APPARENT PROPERTY LINE
- CENTERLINE
- EXISTING RIGHT OF WAY LINE
- PROPOSED RIGHT OF WAY LINE
- EXISTING EASEMENT
- PROPOSED EASEMENT
- 129.32' MEASURED DIMENSION
- 129.32'(COMP) COMPUTED DIMENSION
- ( ) RECORD DATA
- 129.32'→ MEASUREMENT CONTINUED TO NEXT PAGE
- EXISTING BUILDING
- ○ IRON PIPE OR ROD FOUND
- ○ REPLACED AFTER CONSTRUCTION
- \+ CUT CROSS FOUND OR SET
- ○ T1, T2, T3 THESE STAKES REFERENCE FOUND OR SET MONUMENTATION. SET 5/8 INCH IRON ROD FLUSH WITH GROUND TO TIE FOUND IRON STAKE. IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
- ○ BT1, BT2, BT3 THESE STAKES, IN CULTIVATED AREAS, REFERENCE FOUND OR SET MONUMENTATION. BURIED 5/8 INCH IRON ROD 20 INCHES BELOW GROUND TO TIE FOUND IRON STAKE. IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
- ■ STAKING OF PROPOSED RIGHT OF WAY.
- ■ M STAKING OF PROPOSED RIGHT OF WAY IN CULTIVATED AREAS. BURIED 5/8 INCH METAL ROD 20 INCHES BELOW GROUND TO MARK FUTURE SURVEY MARKER POSITION. IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.

STATE OF ILLINOIS } S.S.
COUNTY OF KENDALL }

THIS IS TO CERTIFY THAT I, _____ MIKE R. FISCHER _____, AN ILLINOIS PROFESSIONAL LAND SURVEYOR, HAVE SURVEYED THE PLAT OF HIGHWAYS SHOWN HEREON IN SECTIONS 3, 4, AND 10, TOWNSHIP 37 N., RANGE 8 E., OF THE THIRD PRINCIPAL MERIDIAN, KENDALL COUNTY; THAT THE SURVEY IS TRUE AND COMPLETE AS SHOWN TO THE BEST OF MY KNOWLEDGE AND BELIEF; THAT THE PLAT CORRECTLY REPRESENTS SAID SURVEY, THAT ALL MONUMENTS FOUND AND ESTABLISHED ARE OF PERMANENT QUALITY AND OCCUPY THE POSITIONS SHOWN THEREON AND THAT THE MONUMENTS ARE SUFFICIENT TO ENABLE THE SURVEY TO BE RETRACED. MADE FOR THE VILLAGE OF OSWEGO, STATE OF ILLINOIS.

THIS PROFESSIONAL SERVICE CONFORMS TO THE CURRENT ILLINOIS MINIMUM STANDARDS FOR A BOUNDARY SURVEY.

DATED AT YORKVILLE, ILLINOIS THIS _____ DAY OF _____, 20___ A.D.

_____
ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 3443

PARCEL DETAILS DOUGLAS ROAD

SMITH ENGINEERING CONSULTANTS, INC.
CIVIL/STRUCTURAL ENGINEERS AND SURVEYORS
4500 PRIME PARKWAY, SUITE 201
McHENRY, ILLINOIS 60050
PH: 815-385-1778 FAX: 815-385-1781
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■ McHENRY ■ HUNTLEY ■ YORKVILLE
ILLINOIS PROFESSIONAL DESIGN FIRM # 184-000108

VILLAGE OF OSWEGO
RIGHT OF WAY PLANS

ROUTE DOUGLAS ROAD
SECTION 02-00039-00-PV
COUNTY KENDALL
JOB# 87333 PROJECT#
SEC 3, 4, & 10 T 37N, R 8 E OF 3RD P.M.
STA 66+00.00 TO STA 76+11.14
DRAWN RBM CHECKED MRF
SCALE: 1" =50' SHEET NO. 6 OF 8

COMP. FILE: $FILE$
DATE: $DATE$

RECORDED AS DOCUMENT NO._____

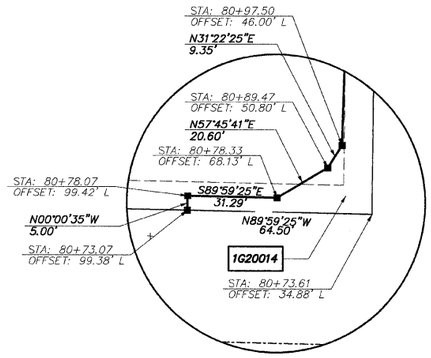
PART OF THE NORTHWEST 1/4, OF SECTION 3 AND PART OF THE NORTHTHEAST 1/4 OF SECTION 4, TOWNSHIP 37 NORTH, RANGE 8, EAST OF THE THIRD PRINCIPAL MERIDIAN, IN KENDALL COUNTY, ILLINOIS.

PARCEL NO.	OWNER	P.I.N.	TOTAL HOLDING AREA (SQ. FT)	AREA TAKEN (SQ. FT)	PREV. DED'D OR USED AREA (SQ. FT)	REMAINING AREA (SQ. FT)	EASEMENT AREA (SQ. FT)	EASEMENT PURPOSE	ACQUIRED BY:	TITLE COMMITMENT NUMBER
1G20010 1G20010 TE	SOVEREIGN AR, L.L.C., A DELAWARE LIMITED LIABILITY COMPANY	03-03-153-057	32,850	113	N/A	32,737	1,225	REMOVE AND REPLACE EXIST. DRIVEWAY		SEC-2006KL-234.0
1G20011 1G20011 TE	HALLE ENTERPRISES, L.L.C., AN ARIZONA LIMITED LIABILITY COMPANY	03-03-153-056	46,438	276	N/A	46,162	1,050	REMOVE AND REPLACE EXIST. DRIVEWAY		SEC-2006KL-235.0
1G20012 TRACT 1 1G20012 TRACT 2 1G20012 TE-1 1G20012 TE-2 1G20012 TE-3	INLAND REAL ESTATE TOWNES CROSSING, L.L.C.	03-03-151-015 03-03-151-016	562,755	1,196 5,503 – – TOT. 6,699	N/A	556,056	– – 3,183 318 1,227 TOT. 4,728	REMOVE AND REPLACE EXISTING DRIVEWAY		SEC-2006KL-238.0
1G20013 1G20013 TE	HARRIS BANK AURORA	03-03-151-011	35,914	2,726	N/A	33,188	3,975	GRADING		SEC-2006KL-236.0
1G20014	OLD KENT BANK	10-04-276-007	56,518	3,790	N/A	52,728	–	N/A		SEC-2006KL-237.0

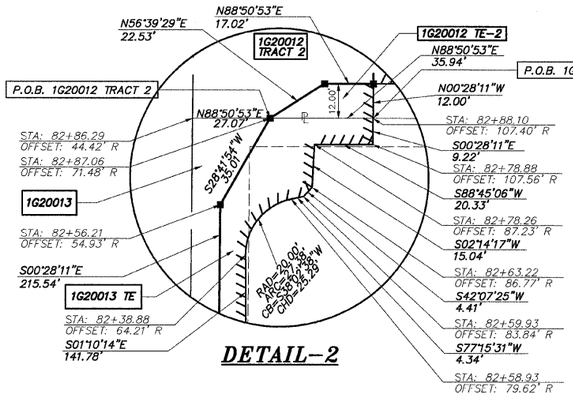
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2508	02-00039-00-PV	KENDALL	146	54
STA. 75+54.71	TO STA.	83+25.20		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

N

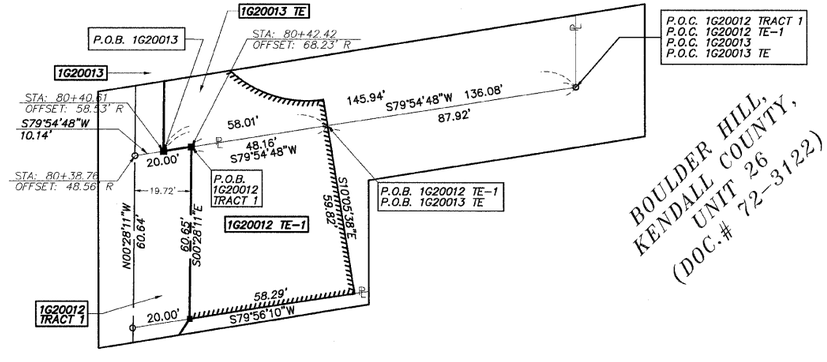
50 0 25 50 100
(IN FEET)
SCALE: 1" = 50'



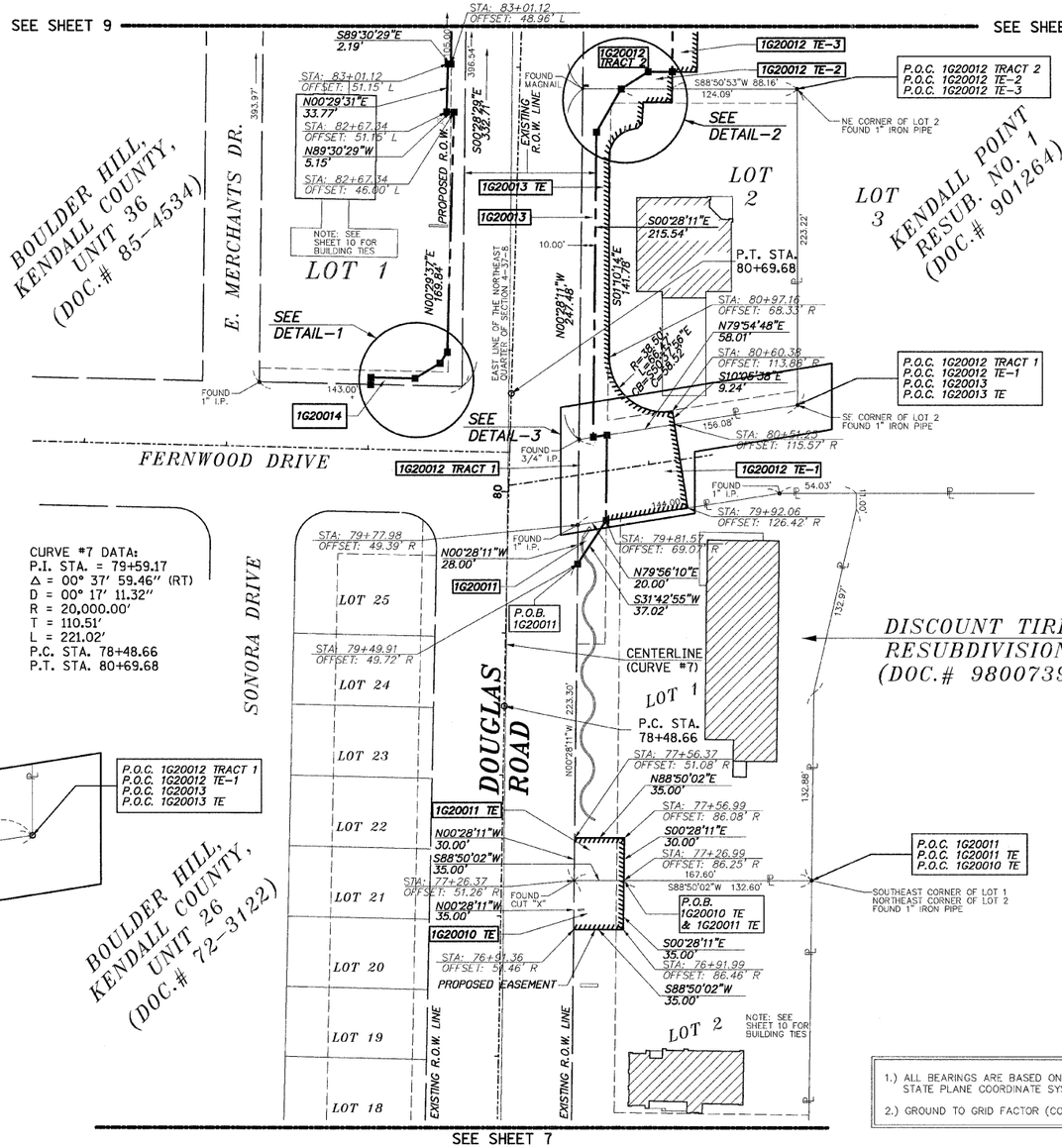
DETAIL–1



DETAIL–2



DETAIL–3



LEGEND

9 10 16 15	SECTION CORNER
16 15	QUARTER SECTION CORNER
———	SECTION LINE
———	QUARTER SECTION LINE
———	QUARTER, QUARTER SECTION LINE
———	PLATTED LOT LINE
℄	PROPERTY (DEED) LINE
APL	APPARENT PROPERTY LINE
———	CENTERLINE
———	EXISTING RIGHT OF WAY LINE
———	PROPOSED RIGHT OF WAY LINE
———	EXISTING EASEMENT
———	PROPOSED EASEMENT
129.32'	MEASURED DIMENSION
129.32'(COMP)	COMPUTED DIMENSION
( )	RECORD DATA
129.32'→	MEASUREMENT CONTINUED TO NEXT PAGE
	EXISTING BUILDING

○	IRON PIPE OR ROD FOUND
○	REPLACED AFTER CONSTRUCTION
+	CUT CROSS FOUND OR SET
○ T1 T2 T3	THESE STAKES REFERENCE FOUND OR SET MONUMENTATION. SET 5/8 INCH IRON ROD FLUSH WITH GROUND TO TIE FOUND IRON STAKE. IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
○ BT1 BT2 BT3	THESE STAKES, IN CULTIVATED AREAS, REFERENCE FOUND OR SET MONUMENTATION. BURIED 5/8 INCH IRON ROD 20 INCHES BELOW GROUND TO TIE FOUND IRON STAKE. IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
■	STAKING OF PROPOSED RIGHT OF WAY.
■ M	STAKING OF PROPOSED RIGHT OF WAY IN CULTIVATED AREAS, BURIED 5/8 INCH METAL ROD 20 INCHES BELOW GROUND TO MARK FUTURE SURVEY MARKER POSITION. IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.

STATE OF ILLINOIS }
COUNTY OF KENDALL } S.S.

THIS IS TO CERTIFY THAT I, _____ MIKE R. FISCHER _____, AN ILLINOIS PROFESSIONAL LAND SURVEYOR, HAVE SURVEYED THE PLAT OF HIGHWAYS SHOWN HEREON IN SECTIONS ___3, 4, AND 10___, TOWNSHIP _____37 N._____, RANGE __8 E.__, OF THE THIRD PRINCIPAL MERIDIAN, ___KENDALL___ COUNTY; THAT THE SURVEY IS TRUE AND COMPLETE AS SHOWN TO THE BEST OF MY KNOWLEDGE AND BELIEF; THAT THE PLAT CORRECTLY REPRESENTS SAID SURVEY; THAT ALL MONUMENTS FOUND AND ESTABLISHED ARE OF PERMANENT QUALITY AND OCCUPY THE POSITIONS SHOWN THEREON AND THAT THE MONUMENTS ARE SUFFICIENT TO ENABLE THE SURVEY TO BE RETRACED. MADE FOR THE VILLAGE OF OSWEGO, STATE OF ILLINOIS.

THIS PROFESSIONAL SERVICE CONFORMS TO THE CURRENT ILLINOIS MINIMUM STANDARDS FOR A BOUNDARY SURVEY.

DATED AT __YORKVILLE__, ILLINOIS THIS _____ DAY OF _____, 20__ A.D.

_____
ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 3443

1.) ALL BEARINGS ARE BASED ON NAD 83 (1997), ILLINOIS STATE PLANE COORDINATE SYSTEM EAST ZONE GRID.

2.) GROUND TO GRID FACTOR (COMBINED SCALE FACTOR)=0.99994325

PARCEL DETAILS DOUGLAS ROAD

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VILLAGE OF OSWEGO
RIGHT OF WAY PLANS

ROUTE DOUGLAS ROAD
SECTION 02-00039-00-PV
COUNTY KENDALL
JOB# PROJECT#
SEC 3, 4, & 10 T 37N, R 8 E OF 3RD P.M.
STA 75+54.71 TO STA 83+25.20
DRAWN CHECKED
SCALE: 1" =50' SHEET NO. 7 OF 8

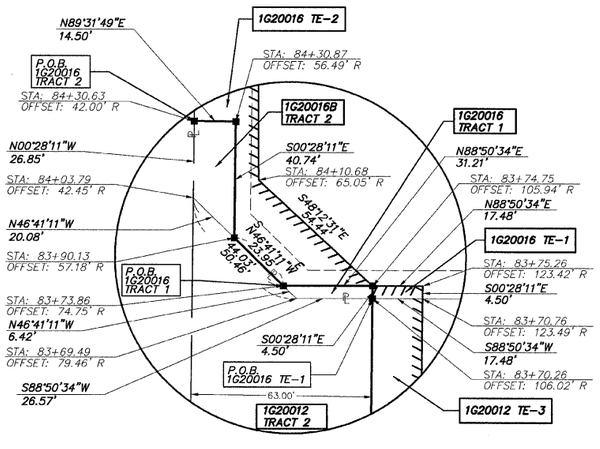
COMP: FILE: $FILE$
DATE: $DATE$

RECORDED AS DOCUMENT NO._____

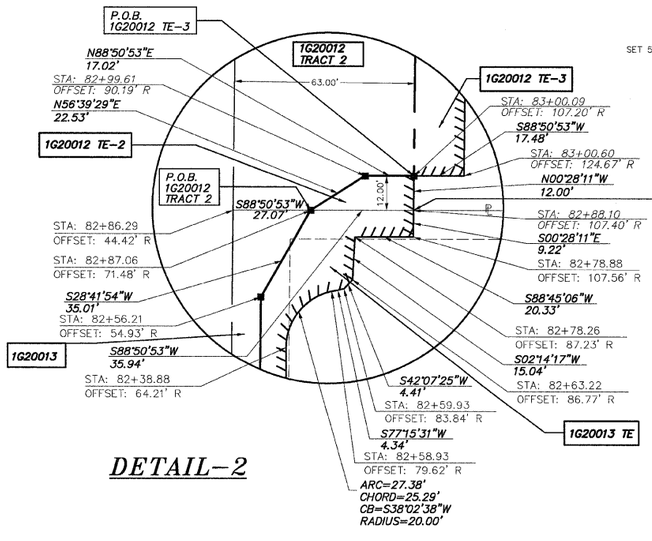
PART OF THE EAST 1/2 OF SECTION 4, AND PART OF THE WEST 1/2, OF SECTION 3, AND PART OF THE NORTHWEST 1/4 OF SECTION 10, TOWNSHIP 37 NORTH, RANGE 8, EAST OF THE THIRD PRINCIPAL MERIDIAN, IN KENDALL COUNTY, ILLINOIS.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2508	02-00039-00-PV	KENDALL	146	55
STA. 81+88.92	TO STA. 87+52.06			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

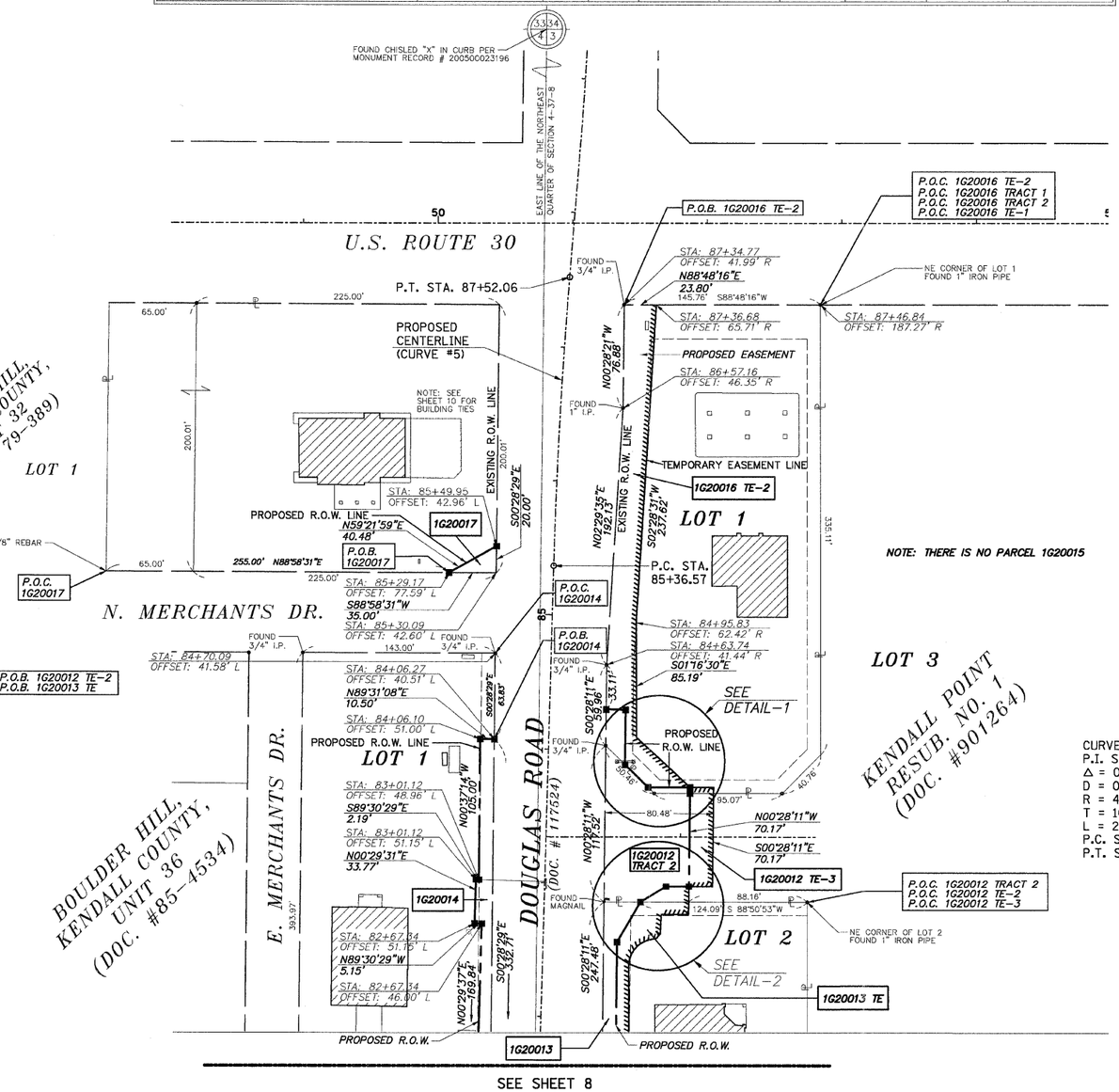
PARCEL NO.	OWNER	P.I.N.	TOTAL HOLDING AREA (SQ. FT)	AREA TAKEN (SQ. FT)	PREV. DED'D OR USED AREA (SQ. FT)	REMAINING AREA (SQ. FT)	EASEMENT AREA (SQ. FT)	EASEMENT PURPOSE	ACQUIRED BY:	TITLE COMMITMENT NUMBER
1G20012 TRACT 1 1G20012 TRACT 2 1G20012 TE-1 1G20012 TE-2 1G20012 TE-3	INLAND REAL ESTATE TOWNES CROSSING, L.L.C.	03-03-151-015 03-03-151-016	562,755	1,196 5,503 – – – TOT. 6,699	N/A	556,056	– – 3,183 318 1,227 TOT. 4,728	REMOVE AND REPLACE EXISTING DRIVEWAY		SEC-2006KL-238.0
1G20014	OLD KENT BANK	10-04-276-007	56,518	3,790	N/A	52,728	–	N/A		SEC-2006KL-237.0
1G20016 TRACT 1 1G20016 TRACT 2 1G20016 TE-1 1G20016 TE-2	JEWEL FOOD STORES, INC.	03-03-151-024	54,721	130 490 – – 620	N/A	54,101	– – 66 7,328 TOT. 7,394	GRADING		SEC-2006KL-239.0
1G20017	MCDONALD'S CORPORATION	03-04-276-003	45,000	350	N/A	44,650	–	N/A		SEC-2006KL-240.0



DETAIL–1

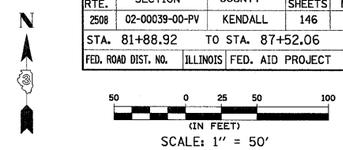


DETAIL–2



SEE SHEET 8

NOTE: THERE IS NO PARCEL 1G20015



LEGEND

- SECTION CORNER
- QUARTER SECTION CORNER
- SECTION LINE
- QUARTER SECTION LINE
- QUARTER, QUARTER SECTION LINE
- PLATTED LOT LINE
- P PROPERTY (DEED) LINE
- APL APPARENT PROPERTY LINE
- CENTERLINE
- EXISTING RIGHT OF WAY LINE
- PROPOSED RIGHT OF WAY LINE
- EXISTING EASEMENT
- PROPOSED EASEMENT
- 129.32' MEASURED DIMENSION
- 129.32'(COMP) COMPUTED DIMENSION
- ( ) RECORD DATA
- 129.32'→ MEASUREMENT CONTINUED TO NEXT PAGE
- EXISTING BUILDING

- ○ IRON PIPE OR ROD FOUND
- ○ REPLACED AFTER CONSTRUCTION
- \+ CUT CROSS FOUND OR SET
- ○ T1, T2, T3 THESE STAKES REFERENCE FOUND OR SET MONUMENTATION. SET 5/8 INCH IRON ROD FLUSH WITH GROUND TO TIE FOUND IRON STAKE. IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
- ○ BT1, BT2, BT3 THESE STAKES, IN CULTIVATED AREAS, REFERENCE FOUND OR SET MONUMENTATION. BURIED 5/8 INCH IRON ROD 20 INCHES BELOW GROUND TO TIE FOUND IRON STAKE. IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
- ■ STAKING OF PROPOSED RIGHT OF WAY.
- ■ M STAKING OF PROPOSED RIGHT OF WAY IN CULTIVATED AREAS. BURIED 5/8 INCH METAL ROD 20 INCHES BELOW GROUND TO MARK FUTURE SURVEY MARKER POSITION. IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.

STATE OF ILLINOIS } S.S.
COUNTY OF KENDALL }

THIS IS TO CERTIFY THAT I, _____ MIKE R. FISCHER _____, AN ILLINOIS PROFESSIONAL LAND SURVEYOR, HAVE SURVEYED THE PLAT OF HIGHWAYS SHOWN HEREON IN SECTIONS 3, 4, AND 10, TOWNSHIP 37 N., RANGE 8 E., OF THE THIRD PRINCIPAL MERIDIAN, KENDALL COUNTY; THAT THE SURVEY IS TRUE AND COMPLETE AS SHOWN TO THE BEST OF MY KNOWLEDGE AND BELIEF; THAT THE PLAT CORRECTLY REPRESENTS SAID SURVEY, THAT ALL MONUMENTS FOUND AND ESTABLISHED ARE OF PERMANENT QUALITY AND OCCUPY THE POSITIONS SHOWN THEREON AND THAT THE MONUMENTS ARE SUFFICIENT TO ENABLE THE SURVEY TO BE RETRACED. MADE FOR THE VILLAGE OF OSWEGO, STATE OF ILLINOIS.

THIS PROFESSIONAL SERVICE CONFORMS TO THE CURRENT ILLINOIS MINIMUM STANDARDS FOR A BOUNDARY SURVEY.

DATED AT YORKVILLE, ILLINOIS THIS _____ DAY OF _____, 20__ A.D.

_____
ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 3443

CURVE #5 DATA:
P.I. STA. = 86+44.34
Δ = 03° 05' 12.27" (RT)
D = 01° 25' 56.62"
R = 4,000.00'
T = 107.77'
L = 215.50'
P.C. STA. 85+36.57
P.T. STA. 87+52.06

1.) ALL BEARINGS ARE BASED ON NAD 83 (1997), ILLINOIS STATE PLANE COORDINATE SYSTEM EAST ZONE GRID.

2.) GROUND TO GRID FACTOR (COMBINED SCALE FACTOR)=0.99994325

PARCEL DETAILS DOUGLAS ROAD

SMITH ENGINEERING CONSULTANTS, INC.
CIVIL/STRUCTURAL ENGINEERS AND SURVEYORS
4500 PRIME PARKWAY, SUITE 201
McHENRY, ILLINOIS 60050
PH: 815-385-1778 FAX: 815-385-1781
www.smithengineering.com E-MAIL: mc@smithengineering.com
■ McHENRY ■ HUNTLEY ■ YORKVILLE
ILLINOIS PROFESSIONAL DESIGN FIRM # 184-000108

VILLAGE OF OSWEGO
RIGHT OF WAY PLANS

ROUTE DOUGLAS ROAD
SECTION 02-00039-00-PV
COUNTY KENDALL
JOB# 87333 PROJECT#
SEC 3, 4, & 10 T 37N, R 8 E OF 3RD P.M.
STA 81+88.92 TO STA 87+52.06
DRAWN RBM CHECKED RBM
SCALE: 1" =50' SHEET NO. 8 OF 8

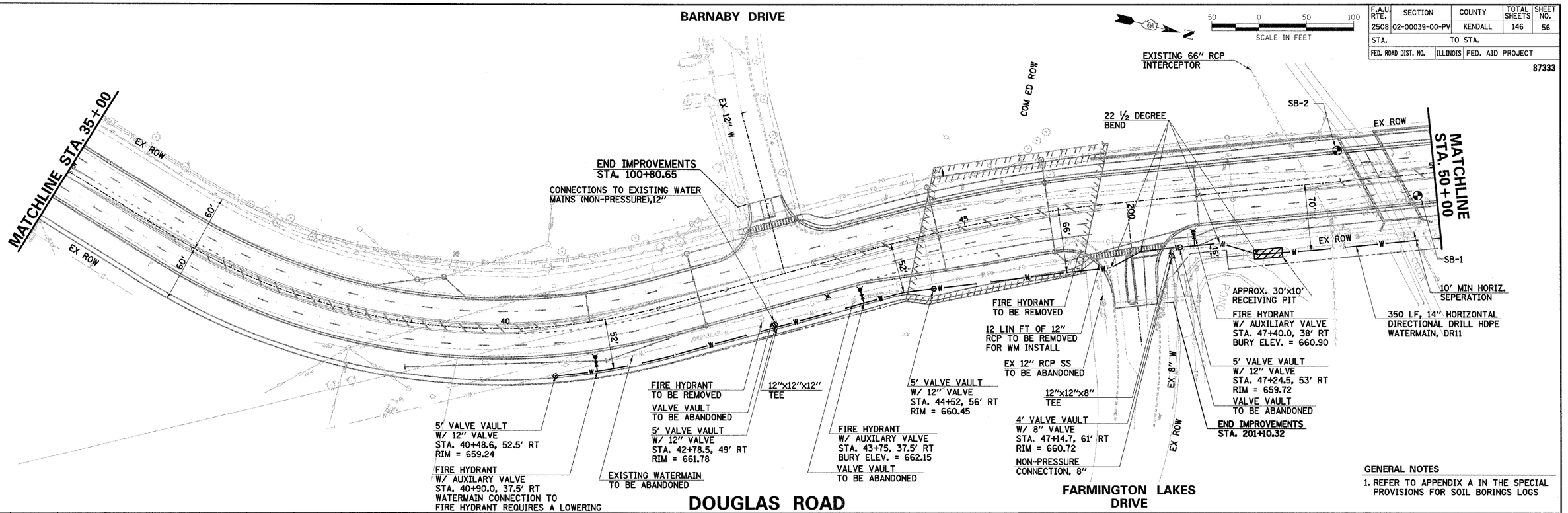
COMP. FILE: $FILE$
DATE: $DATE$

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2508	02-00039-00-PV	KENDALL	146	56
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

87333

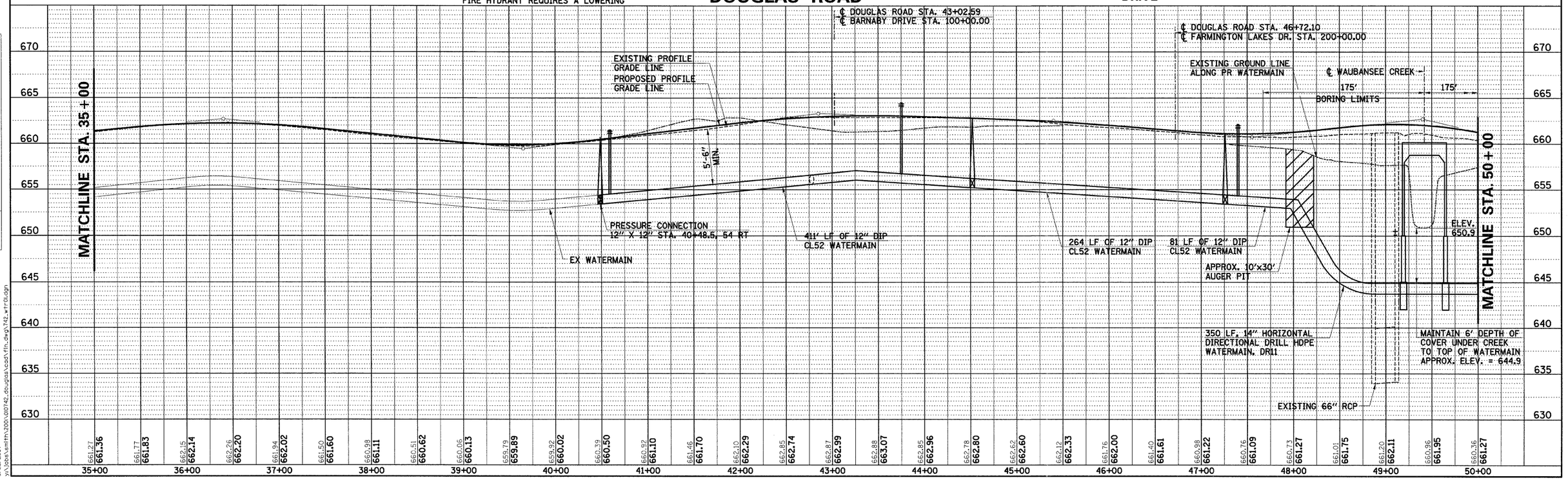
PLAN
SURVEYED
DRAWN
ALIGNMENT CHECKED
RT. OF WAY CHECKED
NOTE BOOK
NO.
PLAN FILE NAME
BY
DATE

PROFILE
SURVEYED
DRAWN
GRADES CHECKED
R.W. NOTED
STRUCTURE NOTATNS CHKD
NOTE BOOK
NO.



GENERAL NOTES

1. REFER TO APPENDIX A IN THE SPECIAL PROVISIONS FOR SOIL BORINGS LOGS



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DOUGLAS ROAD STA. 35+00 TO STA. 50+00 – WATERMAIN PLAN & PROFILE

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2508	02-00039-00-PV	KENDALL	146	57
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

87333

50 0 50 100
SCALE IN FEET

PLAN
SURVEYED
DRAWN
ALIGNMENT CHECKED
P.T. OF M.V. CHECKED
NOTE BOOK
NO.
DATE
BY
PLAN NOTATIONS CHKD
ROAD FILE NAME

PROFILE
SURVEYED
DRAWN
GRADES CHECKED
B.M. NOTED
NOTE BOOK
NO.
DATE
BY
PROFILE NOTATIONS CHKD

SAUGATUCK ROAD

300+00

16" WATERMAIN OWNED BY VILLAGE OF MONTGOMERY

END IMPROVEMENTS STA. 300+80.27

VALVE VAULT TO BE ADJUSTED

FIRE HYDRANTTO BE RELOCATED BY OTHERS

MATCHLINE STA. 50+00

MATCHLINE STA. 62+00

EX ROW

70'

42'

55

60

FIRE HYDRANT TO BE REMOVED

14" HORIZONTAL DIRECTIONAL DRILL HDPE WATERMAIN, DR11

APPROX. 30'x10' AUGER PIT

22 ½ DEGREE BEND

EXISTING WATERMAIN TO BE ABANDONED

5' VALVE VAULT W/ 12" VALVE STA. 51+15.0, 70' RT RIM = 657.24

FIRE HYDRANT W/ AUXILIARY VALVE STA. 51+00, 46.3' RT BURY ELEV. = 659.25

EXISTING WATERMAIN TO BE ABANDONED

FIRE HYDRANT W/ AUXILIARY VALVE STA. 54+50, 37.5' RT BURY ELEV. = 664.55

FIRE HYDRANT TO BE REMOVED

FIRE HYDRANT W/ AUXILIARY VALVE STA. 57+50, 37.5' RT BURY ELEV. = 671.45

FIRE HYDRANT TO BE REMOVED

PRESSURE CONNECTION, 12" X 12" STA. 58+36.5, 42 RT

VALVE VAULT TO BE ADJUSTED

FIRE HYDRANT TO BE REMOVED AND REPLACED STA. 61+25.0, 37.5' RT BURY ELEV. = 670.60

DOUGLAS ROAD

℄ DOUGLAS RAOD STA. 54+24.03
℄ SAUGATUCK ROAD STA. 302+00.00

EXISTING PROFILE GRADE LINE

PROPOSED PROFILE GRADE LINE

MATCHLINE STA. 50+00

MATCHLINE STA. 62+00

EXISTING GROUND LINE ALONG PR WATERMAIN

175' BORING LIMITS

5'-6" MIN.

LF OF 12" DIP CL52 WATERMAIN

PRESSURE CONNECTION 12" X 12" STA. 58+36.5

725 LF OF 12" DIP CL52 WATERMAIN

EX WATERMAIN

54 LF OF 12" DIP CL52 WATERMAIN

APPROX. 10'x30' AUGER PIT

14" HORIZONTAL DIRECTIONAL DRILL HDPE WATERMAIN, DR11

680 675 670 665 660 655 650 645 640

50+00	51+00	52+00	53+00	54+00	55+00	56+00	57+00	58+00	59+00	60+00	61+00	62+00
660.36 / 661.27	659.43 / 660.22	658.83 / 659.56	659.07 / 659.39	659.71 / 659.71	660.56 / 660.52	661.67 / 661.53	662.79 / 662.54	663.73 / 663.55	664.60 / 664.59	665.74 / 665.80	667.29 / 667.23	668.96 / 668.81	669.86 / 670.15	670.34 / 671.08	670.73 / 671.59	671.00 / 671.69	671.02 / 671.54	670.96 / 671.39	671.02 / 671.24	671.16 / 671.09	671.28 / 670.94	671.25 / 670.79	671.11 / 670.64	670.73 / 670.49

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DOUGLAS ROAD STA.50+00 TO STA. 62+00 – WATERMAIN PLAN & PROFILE

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2508	02-00039-00-PV	KENDALL	146	58
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

87333

50 0 50 100
SCALE IN FEET

PLAN
SURVEYED
PLOTTED
ALIGNMENT CHECKED
RT. OF WAY CHECKED
NOTE BOOK
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ROAD FILE NAME
BY
DATE

PROFILE
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GRADES CHECKED
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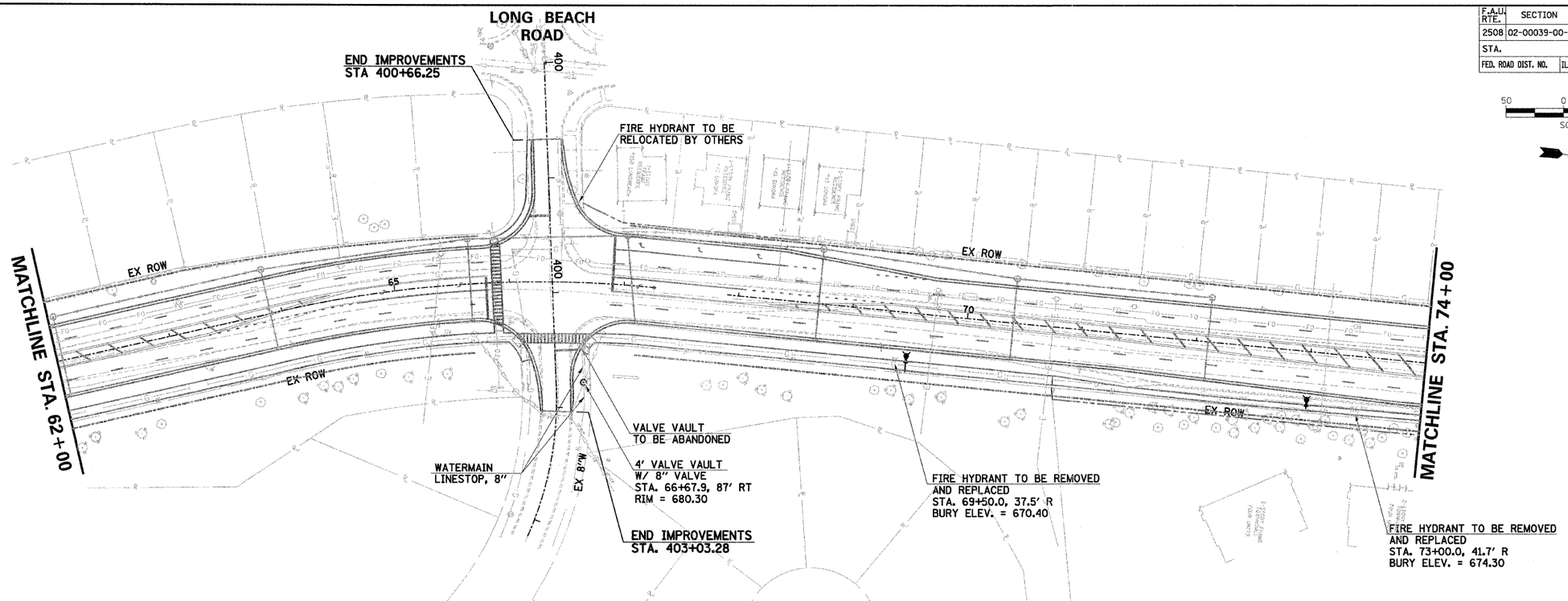
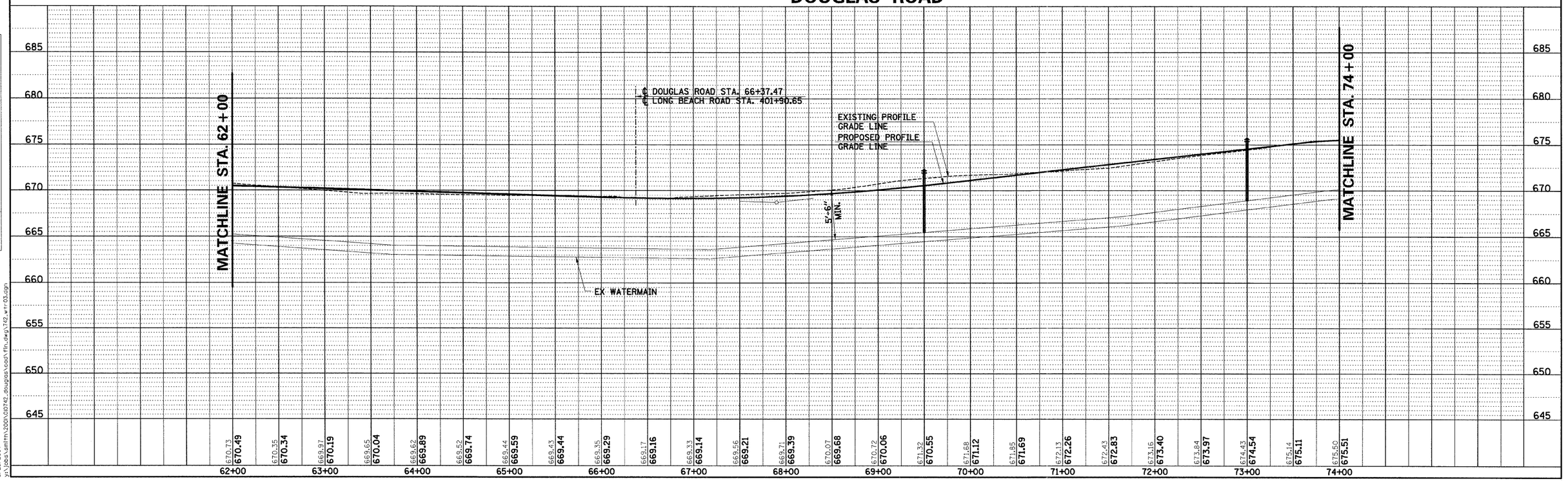
BY
DATE





DOUGLAS ROAD STA.62+00 TO STA. 74+00 – WATERMAIN PLAN & PROFILE

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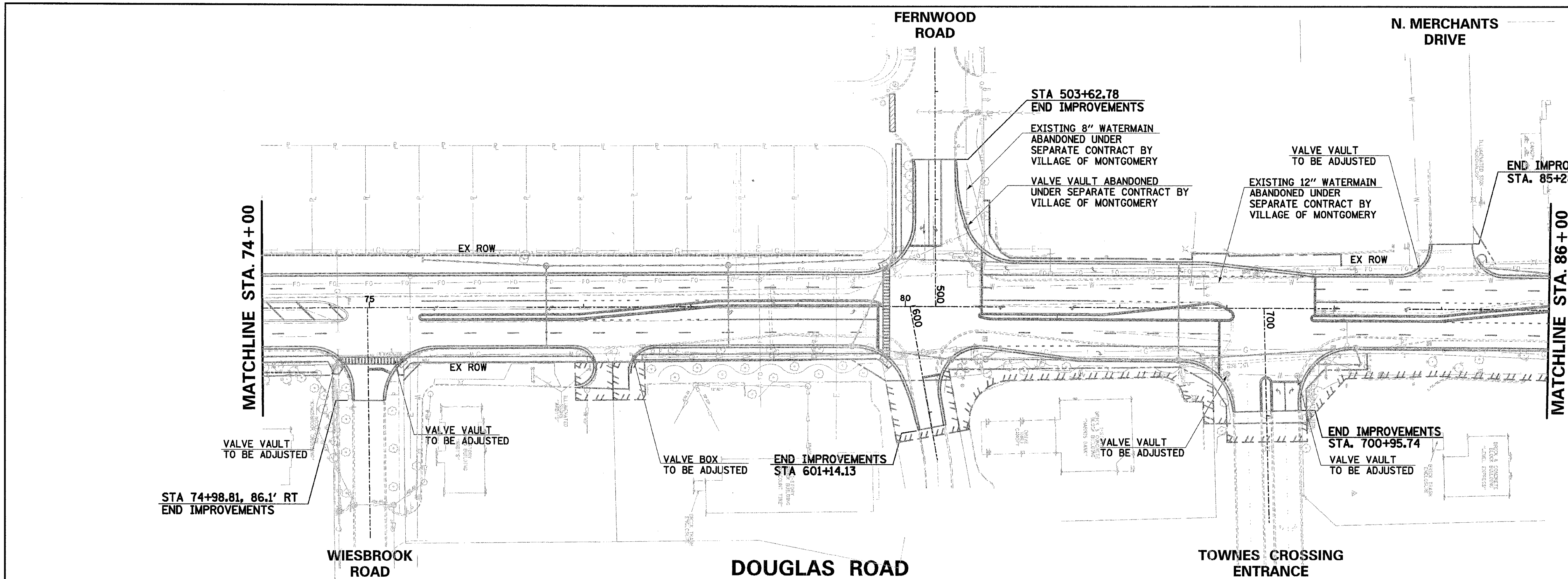
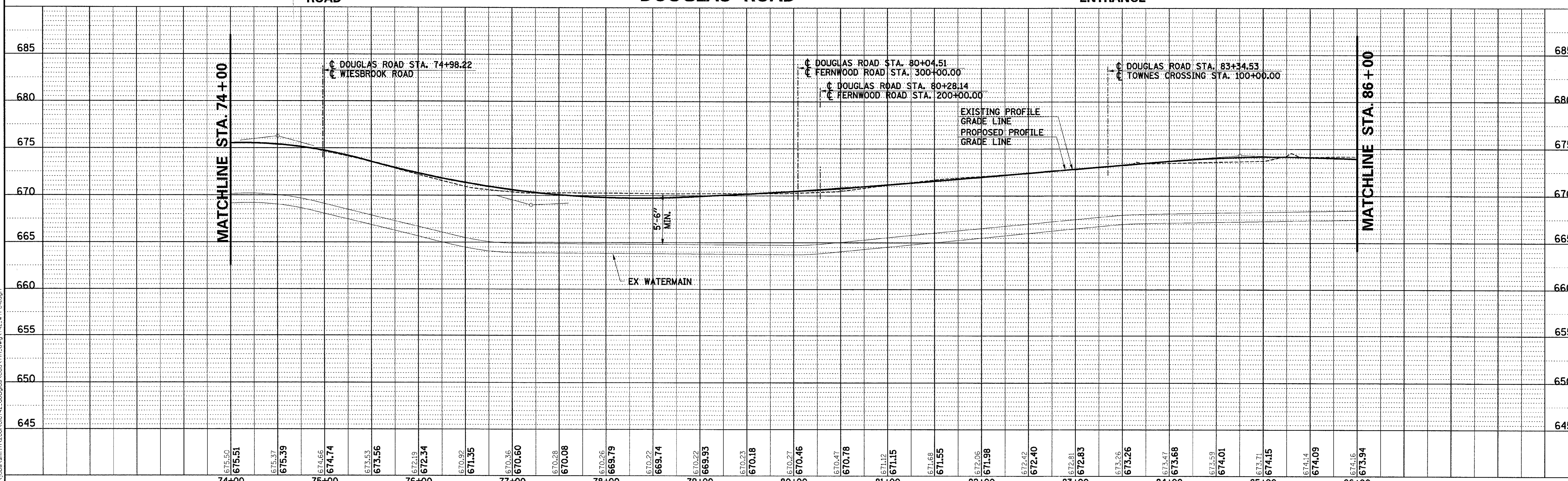
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2508	02-00039-00-PV	KENDALL	146	59
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

87333



50 0 50 100
SCALE IN FEET
FERNWOOD ROAD
N. MERCHANTS DRIVE
STA 503+62.78
END IMPROVEMENTS
EXISTING 8" WATERMAIN ABANDONED UNDER SEPARATE CONTRACT BY VILLAGE OF MONTGOMERY
VALVE VAULT ABANDONED UNDER SEPARATE CONTRACT BY VILLAGE OF MONTGOMERY
VALVE VAULT TO BE ADJUSTED
EXISTING 12" WATERMAIN ABANDONED UNDER SEPARATE CONTRACT BY VILLAGE OF MONTGOMERY
END IMPROVEMENTS STA. 85+28.37, 61.20' LT
MATCHLINE STA. 74+00
MATCHLINE STA. 86+00
EX ROW
EX ROW
EX ROW
VALVE VAULT TO BE ADJUSTED
VALVE VAULT TO BE ADJUSTED
STA 74+98.81, 86.1' RT
END IMPROVEMENTS
VALVE BOX TO BE ADJUSTED
END IMPROVEMENTS STA 601+14.13
VALVE VAULT TO BE ADJUSTED
END IMPROVEMENTS STA. 700+95.74
VALVE VAULT TO BE ADJUSTED
WIESBROOK ROAD
DOUGLAS ROAD
TOWNES CROSSING ENTRANCE



685
680
675
670
665
660
655
650
645
MATCHLINE STA. 74+00
MATCHLINE STA. 86+00
℄ DOUGLAS ROAD STA. 74+98.22
℄ WIESBROOK ROAD
℄ DOUGLAS ROAD STA. 80+04.51
℄ FERNWOOD ROAD STA. 300+00.00
℄ DOUGLAS ROAD STA. 80+28.14
℄ FERNWOOD ROAD STA. 200+00.00
℄ DOUGLAS ROAD STA. 83+34.53
℄ TOWNES CROSSING STA. 100+00.00
EXISTING PROFILE GRADE LINE
PROPOSED PROFILE GRADE LINE
5'-6" MIN.
EX WATERMAIN
675.50 675.51
675.37 675.39
674.66 674.74
673.53 673.56
672.19 672.34
670.92 671.35
670.36 670.60
670.28 670.08
670.26 669.79
670.22 669.74
670.22 669.93
670.23 670.18
670.27 670.46
670.47 670.78
671.12 671.15
671.68 671.55
672.06 671.98
672.42 672.40
672.81 672.83
673.26 673.26
673.47 673.68
673.59 674.01
673.71 674.15
674.14 674.09
674.16 673.94
74+00
75+00
76+00
77+00
78+00
79+00
80+00
81+00
82+00
83+00
84+00
85+00
86+00

DOUGLAS ROAD STA.74+00 TO STA. 86+00 - WATERMAIN PLAN & PROFILE

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2508	02-00039-00-PV	KENDALL	146	60
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

87333

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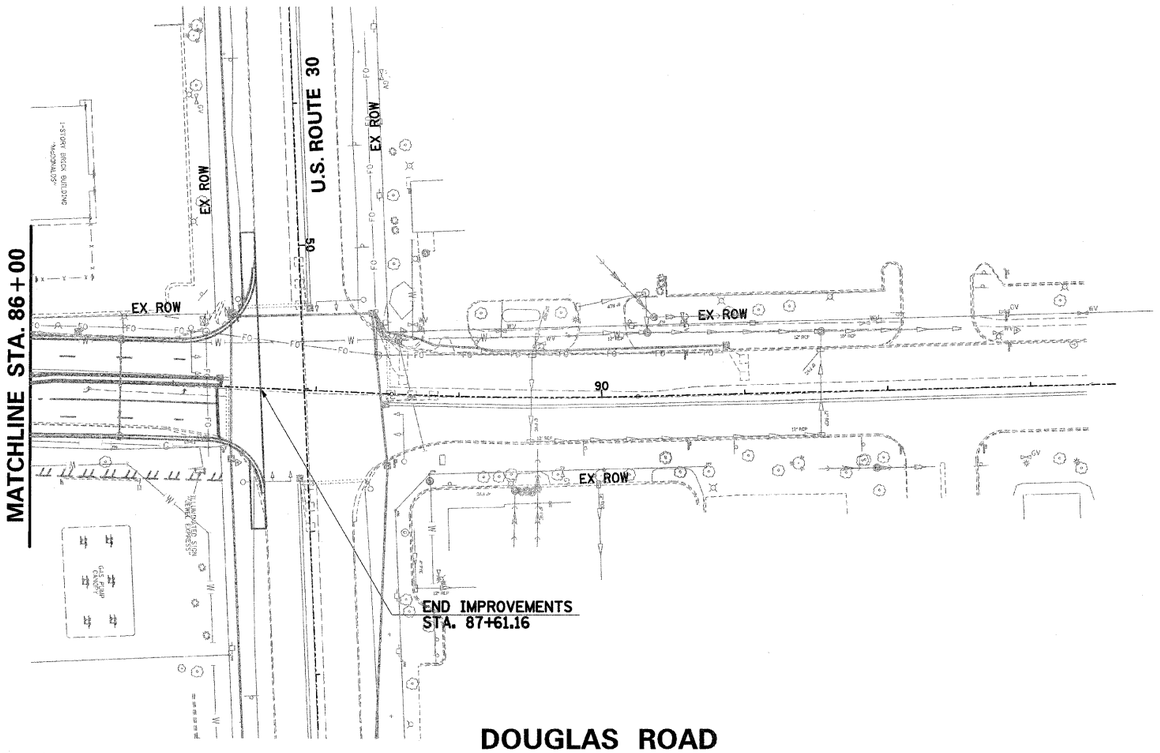
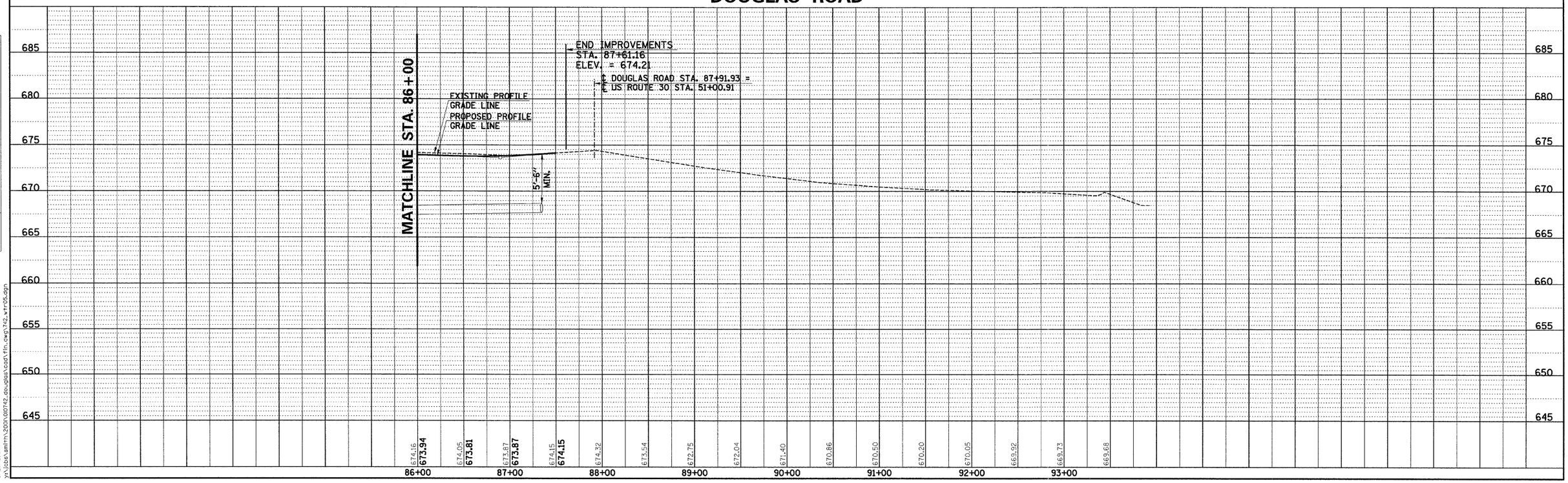
SCALE IN FEET



DOUGLAS ROAD



DOUGLAS ROAD STA.86+00 TO STA. 87+61.16 – WATERMAIN PLAN & PROFILE

PLAN
SURVEYED
PLOTTED
ALIGNMENT CHECKED
RT. OF WAY CHECKED
ROAD FILE NAME
NOTE BOOK
NO.
BY
DATE

PROFILE
SURVEYED
PLOTTED
GRADES CHECKED
B.M. NOTED
STRUCTURE NO'S ATNS CHKD
NOTE BOOK
NO.

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F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2508	02-00039-00-PV	KENDALL	146	61
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

87333

20 0 20 40
SCALE IN FEET

PLAN
SURVEYED BY
DRAWN BY
ALIGNMENT CHECKED
RT. OF WAY CHECKED
DGN FILE NAME
NOTE BOOK
NO.
BY DATE

PROFILE
SURVEYED BY
DRAWN BY
GRADES CHECKED
E.N. NOTED
STRUCTURE NOTATIONS CHKD
NOTE BOOK
NO.
BY DATE

EX ROW
EX ROW
DOUGLAS ROAD

90°00'00"
℄ DOUGLAS ROAD STA. 33+52.58 =
℄ MASON SQUARE ENTRANCE

35

12' 12' 12' 12' 12' 12' 12' 12' 12.54'

R=50'
R=35'
R=32' (TYP.)

800+30
659.43

33+00 659.33
33+25 659.34
33+50 659.42
33+75 659.59

STA. 33+98.16, 30.00' RT
ELEV. = 659.80 PC

STA. 33+08.07, 42.00' RT
ELEV. = 659.08 PC

STA. 33+22.53, 45.45' RT
ELEV. = 659.04

STA. 33+30.66, 51.34' RT
ELEV. = 659.01

STA. 800+59.50, 16.02' LT
ELEV. = 659.49

STA. 800+74.26, 12.5' LT
ELEV. = 660.22 PT

STA. 800+74.20, 0.0' RT
ELEV. = 660.56

12.9' 12.2'
25.1'

STA. 33+74.53, 39.34' RT
ELEV. = 659.65

STA. 33+68.65, 47.44' RT
ELEV. = 659.50

STA. 800+63, 12.56' RT
ELEV. = 660.04 PT

STA. 800+74.25, 12.5' RT
ELEV. = 660.16

MASON SQUARE ENTRANCE

STA. 100+95.16, 0.0' RT
ELEV. = 661.96

STA. 100+95.13, 17.10' RT
ELEV. = 661.69 PT

STA. 101+15.46, 20.89" RT
ELEV. = 661.83

BARNABY DRIVE

EX ROW
EX ROW

STA. 10+95.19, 17.01' LT
ELEV. = 661.73 PT

STA. 101+14.45, 20.83' LT
ELEV. = 661.95

STA. 43+34.70, 44.82' LT
ELEV. = 662.17

STA. 43+50.96, 33.79' LT
ELEV. = 662.39

STA. 43+70.23, 30.00' LT
ELEV. = 662.44 PC

EX ROW

34.1'
11' 12' 11'

STA. 42+71.30, 44.47' LT
ELEV. = 661.97

STA. 42+55.10, 33.72' LT
ELEV. = 662.10

STA. 42+36.10, 30.00' LT
ELEV. = 662.03 PC

EX ROW

R= 50' (TYP.)

42+50 662.14
42+75 662.29
43+00 662.39
43+25 662.45
43+50 662.47

R=50'
R=50'

12' 11' 11' 12' 12'

+59
+33

PR ROW
PR ROW

91°03'23.16"
℄ BARNABY DRIVE STA. 100+00.00 =
℄ DOUGLAS ROAD STA. 43+02.59

DOUGLAS ROAD

ILLINOIS DEPARTMENT OF TRANSPORTATION

F.A.U. 2508 – DOUGLAS ROAD
(U.S. RTE 34 TO U.S. RTE 30)

INTERSECTION PAVEMENT ELEVATION PLAN

SCALE: VERT.
HORIZ.
DATE

DRAWN BY BAH
CHECKED BY CRF

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3/28/2007
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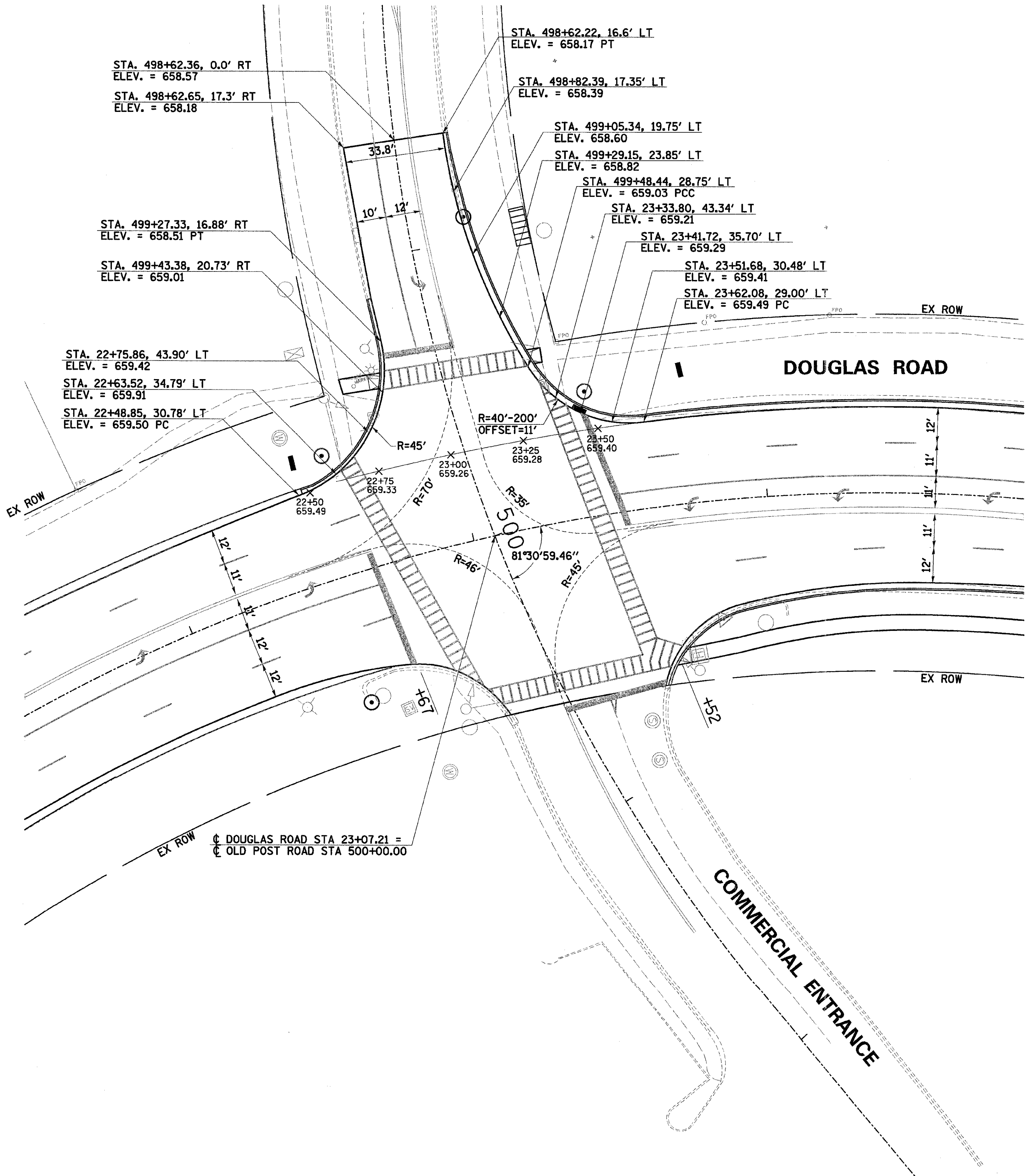
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2508	02-00039-00-PV	KENDALL	146	62
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

87333



PLAN	
NOTE BOOK	SURVEYED / PLOTTED / ALIGNMENT CHECKED / RT. OF WAY CHECKED / CADD FILE NAME
NO.	

PROFILE	
NOTE BOOK	SURVEYED / PLOTTED / GRADES CHECKED / B.M. NOTED / STRUCTURE NOTAT'NS CHK'D
NO.	

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ILLINOIS DEPARTMENT OF TRANSPORTATION

F.A.U. 2508 – DOUGLAS ROAD
(U.S. RTE 34 TO U.S. RTE 30)

INTERSECTION PAVEMENT ELEVATION PLAN

SCALE: VERT. / HORIZ.
DATE
DRAWN BY
CHECKED BY

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2508	02-00039-00-PV	KENDALL	146	63
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

87333

20 0 20 40
SCALE IN FEET

PLAN
SURVEYED
PLOTTED
ALIGNMENT CHECKED
R.T. OF W.AY CHECKED
NOTE BOOK
NO.
ROD FILE NAME
BY
DATE

PROFILE
SURVEYED
PLOTTED
GRADES CHECKED
B.M. NOTED
NOTE BOOK
NO.
STRUCTURE NOTATIONS OKD

℄ FARMINGTON LAKES DRIVE STA. 200+00.00 =
℄ DOUGLAS ROAD STA. 46+72.10
90°22'12.93"

DOUGLAS ROAD

PR ROW
EX ROW
+48
+24
CV
12'
11'
R=50'
R=50' (TYP.)
46+00 661.40
46+25 661.21
46+50 661.01
46+75 660.80
47+00 660.62
47+25 660.51
200+30 660.82
660.72
660.66
660.66
660.38
13.8'
10'
11.5'
21.5'
EX ROW
PR ROW

STA. 45+95.38, 42.00' RT
ELEV. = 661.14 PC
STA. 46+15.70, 45.90' RT
ELEV. = 660.87
STA. 46+33.04, 57.01' RT
ELEV.= 660.59
STA. 200+73.60, 27.84' LT
ELEV. = 660.32
STA. 200+93.31, 23.98' LT
ELEV. = 660.04 PT
STA. 201+03.61, 23.94' LT
ELEV. = 660.00
STA. 201+10.36, 23.91' LT
ELEV. = 659.91
STA. 201+03.61, 10.14' LT
ELEV. = 660.28

STA. 47+45.89, 30.00' RT
ELEV. = 660.49 PC
STA. 47+27.16, 33.64' RT
ELEV. = 660.42
STA. 47+11.15, 44.04' RT
ELEV. = 660.35
STA. 200+59.84, 26.92' RT
ELEV. = 660.27
STA. 200+78.41, 22.51' RT
ELEV. = 660.20 PT
STA. 201+10.36, 21.19' RT
ELEV. = 660.10
STA. 201+03.35, 0.0' RT
ELEV. = 660.48
STA. 201+10.36, 0.0' RT
ELEV. = 660.45

FARMINGTON LAKES DRIVE

SAUGATUCK ROAD

STA. 301+19.73, 0.00' RT
ELEV. = 664.00 PT
STA. 301+19.68, 15.13' RT
ELEV. = 663.50
STA. 301+39.17, 18.97' RT
ELEV. = 663.40
STA. 53+94.12, 44.61' LT
ELEV. = 662.97
STA. 53+77.91, 33.80' LT
ELEV. = 662.55
STA. 53+58.80, 30.00' LT
ELEV. = 662.12 PC
STA. 301+19.79, 15.17' LT
ELEV. = 663.71 PT
STA. 301+39.00, 18.87' LT
ELEV. = 663.65
STA. 54+53.63, 44.73' LT
ELEV. = 663.59
STA. 54+58.34, 40.56' LT
ELEV. = 663.57
STA. 54+69.88, 33.83' LT
ELEV. = 664.12
STA. 54+89.07, 30.00' LT
ELEV. = 664.92 PC

30.3'
15.2'
15.1'
EX ROW
301+70 663.43
R=50' (TYP.)
53+75 662.45
54+00 662.95
54+25 663.46
54+50 663.99
54+75 664.57
55
12'
11'
EX ROW
+74
+47

DOUGLAS ROAD

℄ SAUGATUCK ROAD STA. 302+00.00 =
℄ DOUGLAS ROAD STA. 54+24.03
89°54'43.07"

ILLINOIS DEPARTMENT OF TRANSPORTATION
F.A.U. 2508 – DOUGLAS ROAD
(U.S. RTE 34 TO U.S. RTE 30)

INTERSECTION PAVEMENT ELEVATION PLAN

SCALE: VERT.
HORIZ.
DATE

DRAWN BY BAH
CHECKED BY CRF

2:52:17 AM
3/28/2007
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F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2508	02-00039-00-PV	KENDALL	146	64
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

87333

SCALE IN FEET 20 0 20 40

PLAN — SURVEYED / DRAWN / ALIGNMENT CHECKED / RT. OF WAY CHECKED / ROAD FILE NAME / NOTE BOOK / NO. — BY / DATE

PROFILE — SURVEYED / DRAWN / GRADES CHECKED / B.M. NOTED / STRUCTURE NOTATNS CKD — BY / DATE

STA. 400+66.38, 12.00' LT
ELEV. = 666.41 PT

STA. 400+80.49, 12.55' LT
ELEV. =668.47

STA. 400+94.54, 14.50' LT
ELEV. = 668.21

STA. 401+08.69, 17.43' LT
ELEV. = 667.96

STA. 401+21.60, 22.13' LT
ELEV. = 667.70 PCC

STA. 66+62.12, 58.62' LT
ELEV. = 667.44

STA. 66+71.92, 49.67' LT
ELEV. = 668.04

STA. 66+84.17, 43.98' LT
ELEV. = 668.22

STA. 66+96.79, 42.00' LT
ELEV. = 668.24 PC

STA. 400+66.26, 0.0' RT
ELEV. = 666.92

STA. 400+66.13, 12.00' RT
ELEV. = 666.42

STA. 401+11.01, 12.33' RT
ELEV. = 667.30 PT

STA. 401+28.60, 16.19' RT
ELEV. = 667.74

STA. 66+09.88, 44.97' LT
ELEV. = 668.19

STA. 65+94.70, 33.75' LT
ELEV. = 668.63

STA. 65+76.29, 30.00' LT
ELEV. = 668.76 PC

24.1'
12' 12.1'

667.88

DOUGLAS ROAD

PR ROW
EX ROW

R=50'-150'
OFFSET=7'

R=50'

401+62
668.59

66+00 668.69
66+25 668.62
66+50 668.56
66+75 668.54

R=50.0'
R=45.5'
R=45.5'
R=50.0'

12' 11' 65 11' 12' 12'

12' 12' 12' 11' 11' 11' 12'

66+00 668.99
66+25 668.62
66+50 668.56
66+75 668.54
67+00 668.54
65+75 668.76
402+23 668.59

R=50'

EX ROW

STA. 67+09.43, 30.00' RT
ELEV. = 668.54 PC

STA. 66+88.20, 34.12' RT
ELEV. = 668.41

STA. 66+70.25, 46.05' RT
ELEV. = 668.30

87°21'56.59"

℄ LONG BEACH ROAD STA 401+90.65 =
℄ DOUGLAS ROAD STA 66+37.47

STA. 65+68.61, 30.00' RT
ELEV. = 668.78 PC

STA. 65+85.03, 32.70' RT
ELEV. = 668.64

STA. 66+00.03, 39.85' RT
ELEV. = 668.51

STA. 66+11.99, 51.54' RT
ELEV. = 668.37

STA. 402+53.35, 19.73' LT
ELEV. = 668.24 PCC

STA. 402+65.15, 16.43' LT
ELEV. = 668.10

STA. 402+77.54, 13.93' LT
ELEV. = 667.96

STA. 402+90.29, 12.88' LT
ELEV. = 667.83

STA. 403+03.28, 12.32' LT
ELEV. = 667.69 PT

12' 12'

24.6'

STA. 402+55.49, 16.70' RT
ELEV. = 668.19

STA. 402+75.97, 12.31' RT
ELEV. = 668.07 PT

STA. 402+89.76, 12.29' RT
ELEV. = 667.96

STA. 403+03.28, 12.29' RT
ELEV. = 667.84

STA. 403+03.28, 0.0' RT
667.90

EX ROW

LONG BEACH ROAD

89°40'0.28"

℄ DOUGLAS ROAD STA. 74+98.22
℄ WIESBROOK ROAD

DOUGLAS ROAD

+81 +46

EX ROW

12' 11' 12'

75

R=3'

R=50'

R=50'

12' 12' 12' 12'

74+50 674.91
74+75 674.65
75+00 674.26
75+25 673.73
75+50 673.08

936.00
674.29

R=50'

R=40'

EX ROW
PR ROW

STA. 74+45.12, 36.00' RT
ELEV. = 674.70 PC

STA. 74+60.63, 38.58' RT
ELEV. = 674.69

STA. 74+73.42, 47.72' RT
ELEV. = 674.46

13.6' 13.8'
27.4'

STA. 900+60.62, 16.50' RT
ELEV.= 674.21

STA. 900+75.95, 13.54' RT
ELEV. = 674.01 PT

STA. 900+86.11, 13.6' RT
ELEV. = 673.86

STA. 75+62.44, 36.00' RT
ELEV. = 672.72 PC

STA. 75+43.24, 39.74' RT
ELEV. = 673.36

STA. 75+27.04, 50.69' RT
ELEV. = 673.50

STA. 900+67.06, 17.60' LT
ELEV. = 673.63

STA. 900+86.11, 13.8' LT
ELEV. = 673.77 PT

STA. 900+86.12, 0.0' LT
ELEV. = 674.03

WIESBROOK ROAD

ILLINOIS DEPARTMENT OF TRANSPORTATION

F.A.U. 2508 – DOUGLAS ROAD
(U.S. RTE 34 TO U.S. RTE 30)

INTERSECTION PAVEMENT ELEVATION PLAN

SCALE: VERT. HORIZ.
DATE

DRAWN BY BAH
CHECKED BY CRF

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3/28/2007
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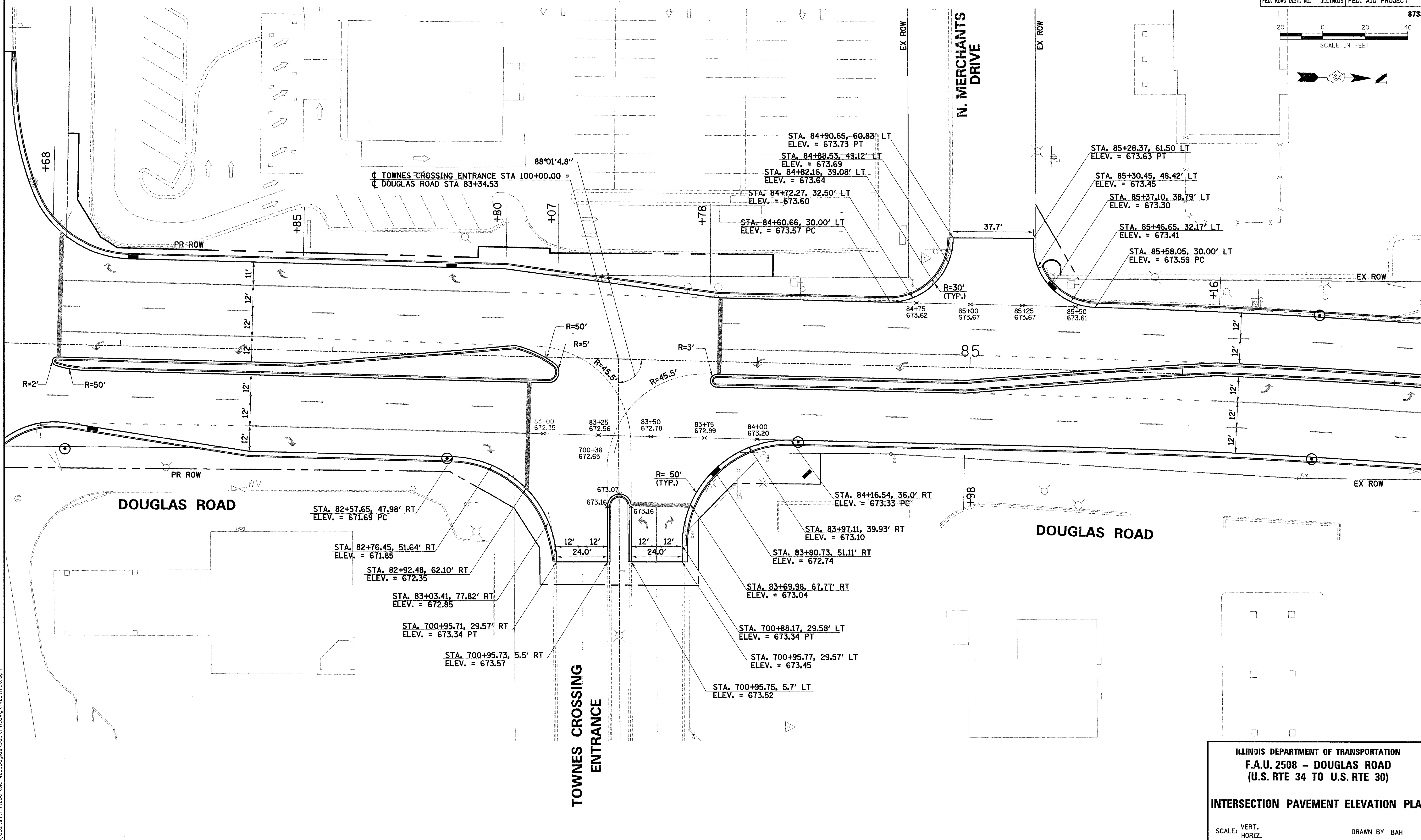
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2508	02-00039-00-PV	KENDALL	146	65
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

87333



ILLINOIS DEPARTMENT OF TRANSPORTATION

F.A.U. 2508 – DOUGLAS ROAD

(U.S. RTE 34 TO U.S. RTE 30)

INTERSECTION PAVEMENT ELEVATION PLAN

SCALE: VERT.
HORIZ.
DATE

DRAWN BY BAH
CHECKED BY CRF

PLAN: SURVEYED, PLOTTED, ALIGNMENT CHECKED, R.O.W. WAY CHECKED, CADD FILE NAME, NOTE BOOK NO.

PROFILE: SURVEYED, PLOTTED, GRADES CHECKED, B.M. NOTED, STRUCTURE NOTATIONS CHKD, NOTE BOOK NO.

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3/28/2007
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F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2508	02-00039-00-PV	KENDALL	146	66
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

87333

SCALE IN FEET 20 0 20 40

PLAN — SURVEYED / PLOTTED / ALIGNMENT CHECKED / RT. OF WAY CHECKED / ROAD FILE NAME / NOTE BOOK / NO. / BY / DATE

PROFILE — SURVEYED / PLOTTED / GRADES CHECKED / BAL. NOTED / STRUCTURE NOTATIONS CHKD / NOTE BOOK / NO. / BY / DATE

DOUGLAS ROAD

FERNWOOD ROAD

89°45'36.58"

STA. 503+62.83, 0.0' RT
ELEV. = 668.21

STA. 503+62.83, 19.97' RT
ELEV. = 667.71

STA. 503+62.83,18.38' LT
ELEV. = 667.74

STA. 503+76.34, 18.12' RT
ELEV. = 668.03

STA. 503+73.38, 18.13' LT
ELEV. = 667.99 PT

STA. 503+97.79, 18.43' RT
ELEV. = 668.49

STA. 504+00.88, 21.11' LT
ELEV. = 668.72

STA. 504+19.83, 18.48' RT
ELEV. = 669.04 PT

STA. 504+27.93, 29.03' LT
ELEV. = 669.82 PCC

STA. 504+39.32, 22.40' RT
ELEV. = 669.04

STA. 80+64.20, 59.46' LT
ELEV. = 669.97

STA. 79+94.89, 44.69' LT
ELEV. = 669.28

STA. 80+75.12, 49.53' LT
ELEV. = 670.12

STA. 79+78.87, 33.44' LT
ELEV. = 669.52

STA. 80+88.45, 43.18' LT
ELEV. = 670.27

STA. 79+59.60, 30.00' LT
ELEV. = 669.76 PC

STA. 81+03.05, 41.00' LT
ELEV. = 670.42 PC

STA. 76+85.67, 36.00' RT
ELEV. = 670.31 PC

STA. 77+05.61, 41.77' RT
ELEV. = 669.65

STA. 77+11.21, 55.63' RT
ELEV. = 669.87

STA. 76+73.11, 26.91' RT
ELEV. = 670.33 PT

STA. 77+05.26, 69.33' RT
ELEV. = 670.53

STA. 77+66.36, 36.00' RT
ELEV. = 669.48 PC

STA. 77+56.66, 37.96' RT
ELEV. = 669.35

STA. 77+48.48, 43.52' RT
ELEV. = 669.99

STA. 77+43.10, 51.81' RT
ELEV.= 670.00

STA. 77+41.36, 61.55' RT
ELEV. = 669.91 PT

STA. 77+41.68, 76.11' RT
ELEV. = 670.30

STA. 79+52.45, 36.00' RT
ELEV. = 669.72 PC

STA. 79+66.59, 37.85' RT
ELEV. = 669.80

STA. 79+79.50, 43.90' RT
ELEV. = 669.87

STA. 79+90.70, 52.82' RT
ELEV. = 669.95

℄ FERNWOOD ROAD STA 600+00.00 =
℄ DOUGLAS ROAD STA 80+04.51

STA. 600+62.95, 17.82' RT
ELEV. = 670.02 PCC

STA. 600+88.35, 12.91' RT
ELEV. = 670.44

STA. 601+14.18, 11.32' RT
ELEV. = 670.99

STA. 601+14.13, 0.0' RT
ELEV. = 671.03 PT

STA. 80+75.93, 36.82' RT
ELEV. = 670.47 PC

STA. 80+57.42, 38.77' RT
ELEV. = 670.34

STA. 80+41.77, 48.85' RT
ELEV. = 670.21

STA. 600+86.59, 17.10' LT
ELEV.= 670.08

STA. 600+86.86,11.48' LT
ELEV. = 670.46 PT

STA. 601+14.08,11.36' LT
ELEV. = 670.77

EX ROW — PR ROW — PL — ℄ — WV — FPG

34.4' — 12' — 11' — 11' — +68 — +77 — +93 — +25 — 50.4' — 10.3' — 10.4' — 22.7'

R=50' — R=50'-200' OFFSET=7' — R=2' — R=50' — R=50'-200' OFFSET=5' — R=25' — R=19.36' — R=40'

504+70 670.16 — 80+00 669.98 — 80+25 670.14 — 80+50 670.3 — 79+75 669.84 — 600+37 670.05 — 77+00 670.12 — 77+25 669.83 — 77+50 669.6

12' — 11'

ILLINOIS DEPARTMENT OF TRANSPORTATION

F.A.U. 2508 – DOUGLAS ROAD
(U.S. RTE 34 TO U.S. RTE 30)

INTERSECTION PAVEMENT ELEVATION PLAN

SCALE: VERT. HORIZ.
DATE

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CHECKED BY CRF

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3/28/2007
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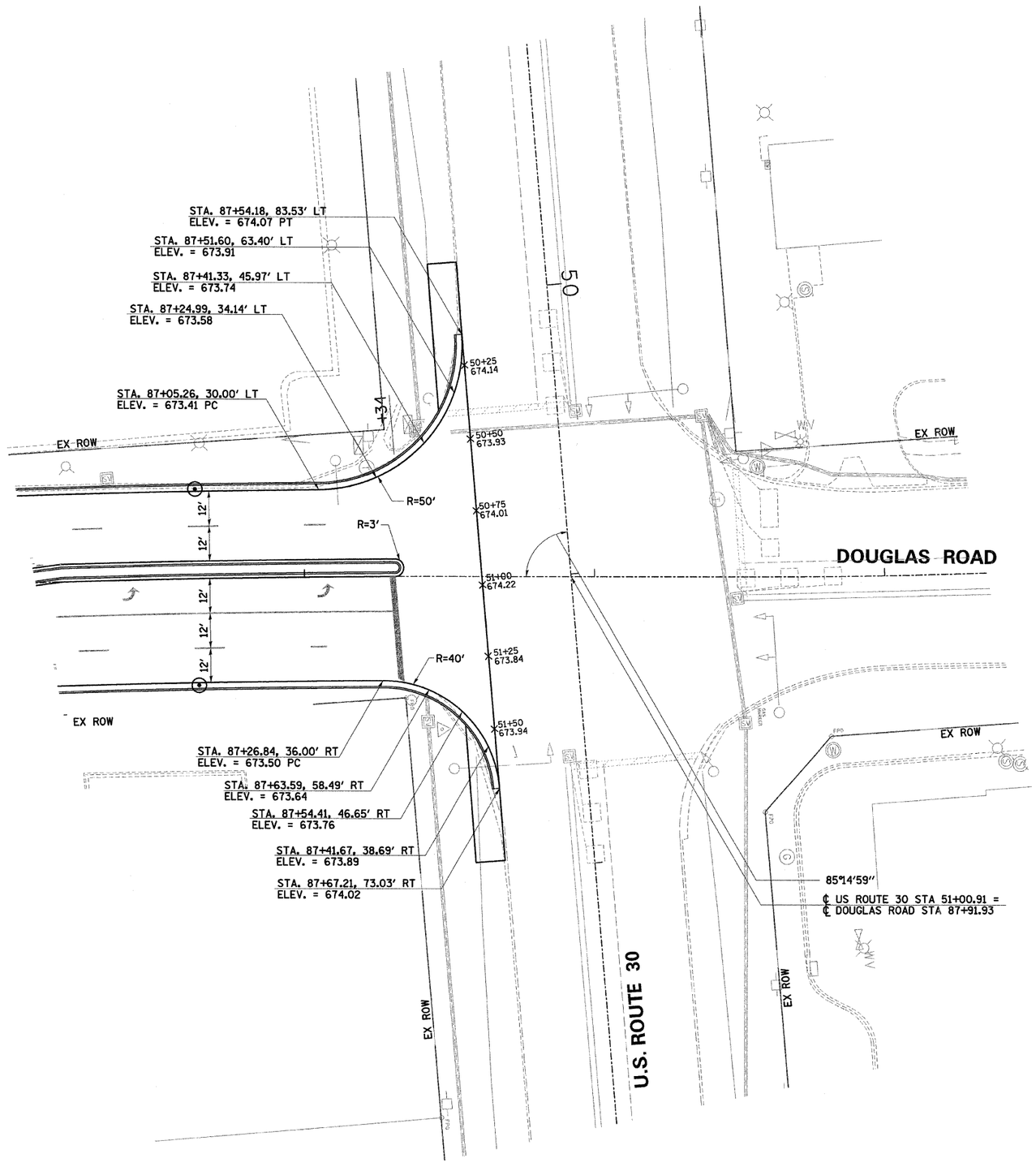
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2508	02-00039-00-PV	KENDALL	146	67
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

87333

20 0 20 40

SCALE IN FEET



PLAN

SURVEYED
DRAWN
ALIGNMENT CHECKED
R/W OF WAY CHECKED
ROAD FILE NAME

NOTE BOOK
NO.

BY DATE

PROFILE

SURVEYED
DRAWN
GRADES CHECKED
B.M. NOTED
STRUCTURE NOTATNS CHKD

NOTE BOOK
NO.

BY DATE

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ILLINOIS DEPARTMENT OF TRANSPORTATION

F.A.U. 2508 – DOUGLAS ROAD
(U.S. RTE 34 TO U.S. RTE 30)

INTERSECTION PAVEMENT ELEVATION PLAN

SCALE: VERT.
HORIZ.
DATE

DRAWN BY BAH
CHECKED BY CRF

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2508	02-00039-00-PV	KENDALL	146	68
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

87333

50 0 50 100
SCALE IN FEET

PLAN
PROFILE
SURVEYED
PLOTTED
ALIGNMENT CHECKED
GRADES CHECKED
SEAL NOTED
STRUCTURE NOTATIONS CHKD
NOTE BOOK
NO.
BY
DATE
JOB FILE NAME

ILLINOIS ROUTE 34

℄ DOUGLAS ROAD STA. 13+07.48
℄ U.S. ROUTE 34 STA. 37+69.52

BEGIN IMPROVEMENTS
STA 19+45.00
MILLING & RESURFACING

4" EDGELINE
WHITE

MATCHLINE STA. 20+00

4" MEDIAN LINE,
DOUBLE YELLOW

END IMPROVEMENTS
STA. 498+62.36

℄ DOUGLAS ROAD STA 23+07.21 =
℄ OLD POST ROAD STA 500+00.00

24" STOP BAR WHITE
STA. 23+48.30

8" LANE LINE, WHITE
CROSSWALK SEE DETAIL SHEET (TYP.)
24" STOP BAR WHITE
STA. 22+95.95, 67.09' LT

8" LANE LINE, WHITE
TURN ARROW, WHITE
15.6 SQ. FT. (TYP.)
4" MEDIAN LINE,
DOUBLE YELLOW
12" DIAGONALS, YELLOW
20' C-C (TYP.)
8" LANE LINE, WHITE

MATCHLINE STA. 20+00

24" STOP BAR WHITE
STA. 22+66.89
4" EDGELINE
WHITE

OLD POST ROAD

24" STOP BAR WHITE
STA. 23+57.91
END IMPROVEMENTS
STA 500+61.47
24" STOP BAR WHITE
STA. 23+25.54

TURN ARROW, WHITE
15.6 SQ. FT. (TYP.)
8" LANE LINE, WHITE
8" SKIP DASH, WHITE
2' DASH - 6' SKIP (TYP.)
TWO-WAY AMBER
MARKERS, 40' C-C (TYP)

12" DIAGONALS, YELLOW
20' C-C (TYP.)

ONE-WAY CRYSTAL
MARKERS, 80' C-C (TYP)
ONE-WAY AMBER
MARKERS, 40' C-C (TYP)

BEGIN RECONSTRUCTION
STA 29+67.65

4" MEDIAN LINE,
DOUBLE YELLOW
8" SKIP DASH, WHITE
10' DASH - 30' SKIP (TYP.)

R=50'
R=3'

℄ DOUGLAS ROAD STA. 33+52.58 =
℄ MASON SQUARE ENTRANCE

END IMPROVEMENTS
STA 33+52.60, 74' RT

24" STOP BAR WHITE
STA. 33+58.87

MASON SQUARE
ENTRANCE

MATCHLINE STA. 35+00

ILLINOIS DEPARTMENT OF TRANSPORTATION
F.A.U. 2508 – DOUGLAS ROAD
(U.S. RTE 34 TO U.S. RTE 30)

PAVEMENT MARKING PLAN

SCALE: VERT.
HORIZ. 1"=50'
DATE

DRAWN BY
CHECKED BY

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3/28/2007
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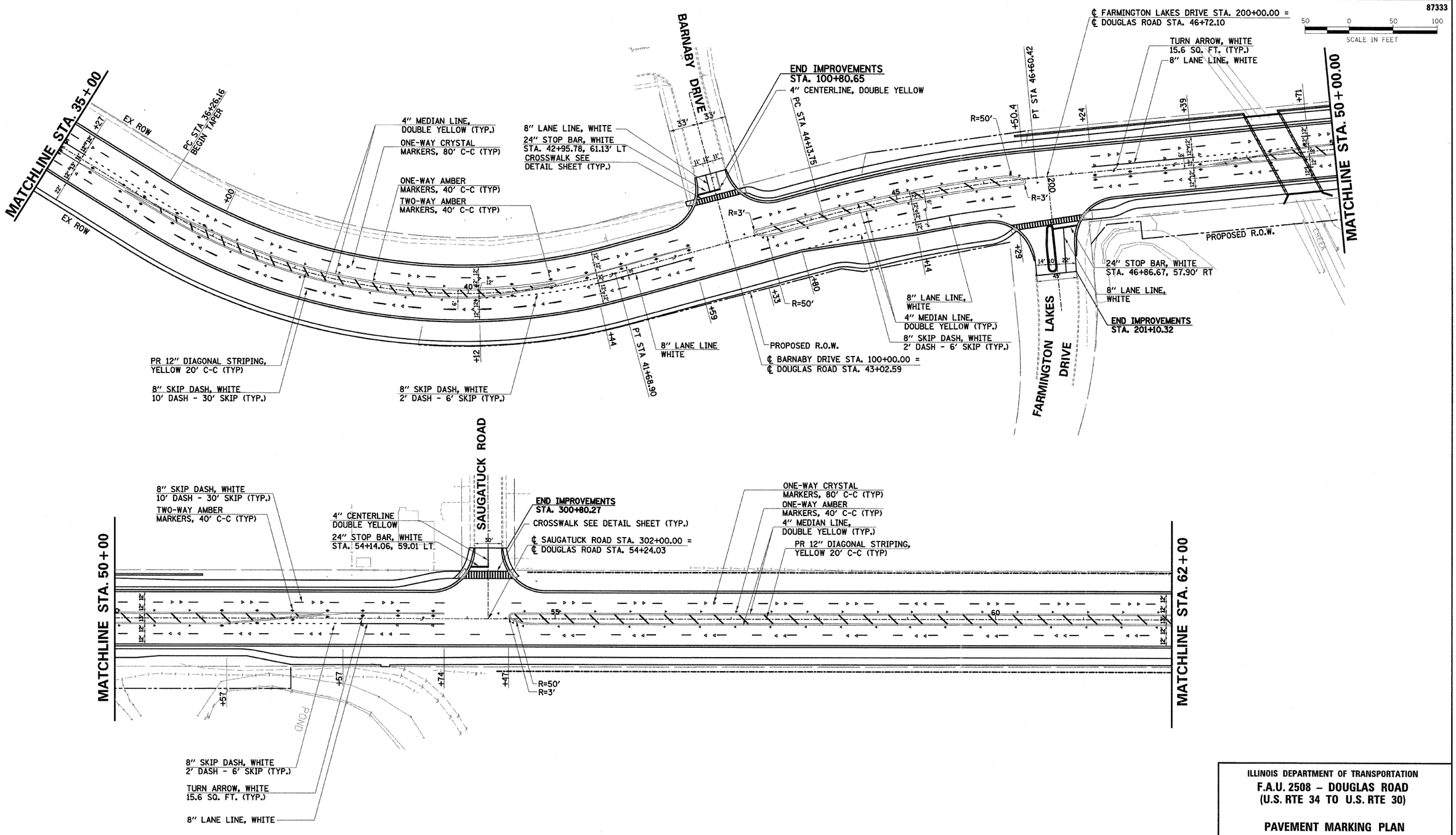
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2508	02-00039-00-PV	KENDALL	146	69
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

87333

SCALE IN FEET 50 0 50 100



PLAN — SURVEYED / DRAWN / ALIGNMENT CHECKED / RT. OF WAY CHECKED / LOAD FILE NAME / NOTE BOOK / NO. / BY / DATE

PROFILE — SURVEYED / DRAWN / CHECKED / BM. NOTED / STRUCTURE NO'S/RMS CHKD / NOTE BOOK / NO. / BY / DATE

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3/28/2007
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ILLINOIS DEPARTMENT OF TRANSPORTATION

F.A.U. 2508 – DOUGLAS ROAD
(U.S. RTE 34 TO U.S. RTE 30)

PAVEMENT MARKING PLAN

SCALE: VERT. / HORIZ. 1"=50'
DRAWN BY
DATE
CHECKED BY

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2508	02-00039-00-PV	KENDALL	146	70
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

87333

50 0 50 100
SCALE IN FEET

N

PLAN
SURVEYED BY
DRAWN BY
ALIGNMENT CHECKED
R.O.W. CHECKED
NOTE BOOK
NO.
ROAD FILE NAME
BY DATE

PROFILE
SURVEYED BY
DRAWN BY
GRADES CHECKED
R.O.W. NOTED
NOTE BOOK
NO.
STRUCTURE NOTATING DATA

4" CENTERLINE, DOUBLE YELLOW
STA. 400+66.25
END IMPROVEMENTS
24" STOP BAR, WHITE
STA. 66+25.93, 57.40' LT
TURN ARROW, WHITE
15.6 SQ. FT. (TYP.)
PC STA 64+02.62
4" MEDIAN LINE, DOUBLE YELLOW
MATCHLINE STA. 62+00
PR DIAGONAL STRIPING, YELLOW 20' C-C (TYP)
8" SKIP DASH, WHITE
2' DASH - 6' SKIP (TYP.)
8" LANE LINE, WHITE
24" STOP BAR, WHITE
65+79.99
CROSSWALK SEE
DETAIL SHEET (TYP.)
℄ LONG BEACH ROAD STA 401+90.65 =
℄ DOUGLAS ROAD STA 66+37.47
LONG BEACH ROAD
24" STOP BAR, WHITE
STA. 66+89.98
PROPOSED R.O.W.
8" LANE LINE, WHITE (TYP.)
PT STA 67+25.97
8" SKIP DASH, WHITE
2' DASH - 6' SKIP (TYP.)
8" SKIP DASH, WHITE
10' DASH - 30' SKIP (TYP.)
EX ROW
4" MEDIAN LINE, DOUBLE YELLOW
PR DIAGONAL STRIPING, YELLOW 20' C-C (TYP)
TWO-WAY AMBER MARKERS, 40' C-C (TYP)
24" STOP BAR, WHITE
66+50.86
END IMPROVEMENTS
STA. 403+03.28
4" CENTERLINE, DOUBLE YELLOW
ONE-WAY AMBER MARKERS, 40' C-C (TYP)
ONE-WAY CRYSTAL MARKERS, 80' C-C (TYP)
PROPOSED R.O.W.
MATCHLINE STA. 74+00

8" SKIP DASH, WHITE
2' DASH - 6' SKIP (TYP.)
8" SKIP DASH, WHITE
10' DASH - 30' SKIP (TYP.)
ONE-WAY AMBER MARKERS, 40' C-C (TYP)
4" MEDIAN LINE, YELLOW
8" LANE LINE, WHITE
R=50'
R=6'
MATCHLINE STA. 74+00
ONE-WAY CRYSTAL MARKERS, 80' C-C (TYP)
℄ DOUGLAS ROAD STA. 74+98.81
℄ WIESBROOK ROAD
24" STOP BAR, WHITE
STA. 75+09.37
STA. 74+98.22, 86.1' RT
END IMPROVEMENTS
CROSSWALK SEE
DETAIL SHEET (TYP.)
WIESBROOK ROAD
STA 503+62.78
END IMPROVEMENTS
8" LANE LINE, WHITE
TURN AND THROUGH ARROW, WHITE 26.0 SQ. FT.
24" STOP BAR, WHITE
STA. 80+18.57
8" LANE LINE, WHITE
TURN ARROW, WHITE
15.6 SQ. FT. (TYP.)
24" STOP BAR, WHITE
STA. 79+74.19
℄ FERNWOOD ROAD STA +600+00.00 =
℄ DOUGLAS ROAD STA 80+04.51
END IMPROVEMENTS
STA. 601+14.13
FERNWOOD ROAD
4" CENTERLINE, DOUBLE YELLOW
℄ FERNWOOD ROAD STA 505+00.00 =
℄ DOUGLAS ROAD STA 80+28.14
24" STOP BAR, WHITE
STA 80+70.90
8" LANE LINE, WHITE
24" STOP BAR, WHITE
STA. 80+25.16
4" CENTERLINE, DOUBLE YELLOW
8" LANE LINE, WHITE
4" MEDIAN LINE, YELLOW
24" STOP BAR, WHITE
82+92.80
END IMPROVEMENTS
STA. 700+95.74
8" LANE LINE, WHITE
24" STOP BAR, WHITE
STA 83+82.00
TOWNES CROSSING
℄ TOWNES CROSSING ENTRANCE STA 100+00.00 =
℄ DOUGLAS ROAD STA 83+34.57
24" STOP BAR, WHITE
STA. 83+55.69
8" LANE LINE, WHITE
N. MERCHANTS DRIVE
END IMPROVEMENTS
STA. 85+28.37, 61.20' LT
8" LANE LINE, WHITE
4" MEDIAN LINE, YELLOW
24" STOP BAR, WHITE
87+31.85
ILLINOIS ROUTE 30
END IMPROVEMENTS
STA. 87+61.16
℄ US ROUTE 30 STA 51+00.91 =
℄ DOUGLAS ROAD STA 87+91.93

ILLINOIS DEPARTMENT OF TRANSPORTATION

F.A.U. 2508 – DOUGLAS ROAD
(U.S. RTE 34 TO U.S. RTE 30)

PAVEMENT MARKING PLAN

SCALE: VERT.
HORIZ. 1"=50'
DATE

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F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2508	02-00039-00-PV	KENDALL	146	71
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

87333

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SCALE IN FEET

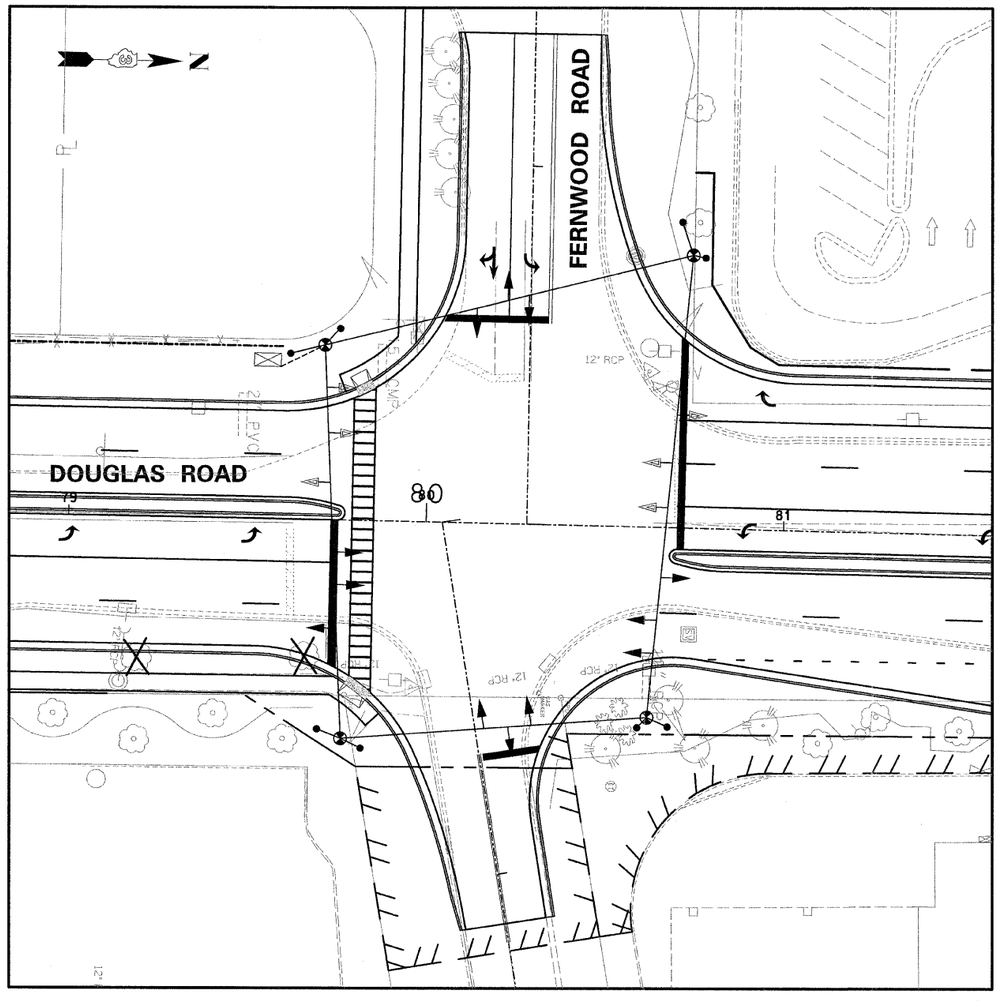
REMOVED EXISTING TRAFFIC SIGNAL EQUIPMENT EACH – 1

THE FOLLOWING EXISTING TRAFFIC SIGNAL EQUIPMENT SHALL BE REMOVED BY THE CONTRACTOR, SHALL REMAIN THE PROPERTY OF THE VILLAGE OF OSWEGO AND SHALL BE DELIVERED BY THE CONTRACTOR TO OSWEGO PUBLIC WORKS.

1 EACH CONTROLLER AND CABINET

THE FOLLOWING ITEMS SHALL BE REMOVED BY THE CONTRACTOR AND DISPOSED OF BY HIM AT HIS EXPENSE. THE SALVAGE VALUE OF THE REMOVED EQUIPMENT SHALL BE REFLECTED IN THE CONTRACT BID PRICE.

14 EACH	SIGNAL HEAD, 1- FACE
1 EACH	SERVICE INSTALLATION
4 EACH	TRAFFIC SIGNAL WOOD POST



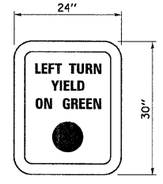
SIGNAL HEADS MAY NEED TO BE MOVED FROM STAGE TO STAGE AS REQUIRED

TEMPORARY TRAFFIC SIGNAL LEGEND

- TEMPORARY TRAFFIC SIGNAL HEAD SPAN WIRE MOUNTED, ORIGINAL LOCATION
- TEMPORARY TRAFFIC SIGNAL HEAD SPAN WIRE MOUNTED, SECONDARY LOCATION•
- TEMPORARY WOOD POLE (CLASS 5 OR BETTER) 45 FOOT MINIMUM
- PROPOSED GUY WIRE TO TEMPORARY WOOD POLE
- TEMPORARY CONTROLLER CABINET
- TEMPORARY SPAN WIRE, TETHER WIRE, AND CABLE
- TEMPORARY SERVICE INSTALLATION
- EMERGENCY VEHICLE LIGHT DETECTOR
- CONFIRMATION BEACON

REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT LEGEND

- EXISTING SIGNAL HEAD TO BE REMOVED
- "E" EXISTING SERVICE INSTALLATION TO BE REMOVED
- EXISTING SIGNAL POST AND FOUNDATION TO BE REMOVED
- "E" EXISTING CONTROLLER AND FOUNDATION TO BE REMOVED
- EXISTING HANDHOLE TO BE REMOVED
- "E" EXISTING HEAVY-DUTY HANDHOLE TO BE REMOVED
- EXISTING ALUMINUM MAST ARM POLE AND FOUNDATION TO BE REMOVED
- EXISTING STEEL MAST ARM POLE AND FOUNDATION TO BE REMOVED



R10-12
24" X 30"
3 SIGN REQUIRED

ILLINOIS DEPARTMENT OF TRANSPORTATION
F.A.U. 2508 – DOUGLAS ROAD (U.S. RTE 34 TO U.S. RTE 30)
TEMPORARY TRAFFIC SIGNAL INSTALLATION INTERSECTION OF DOUGLAS ROAD AND FERNWOOD ROAD

SCALE: VERT. HORIZ. DRAWN BY
DATE CHECKED BY

PLAN: DATE | BY | SURVEYED | DRAWN | ALIGNMENT CHECKED | RT. OF WAY CHECKED | ROAD FILE NAME | NOTE BOOK | NO.
PROFILE: DATE | BY | SURVEYED | DRAWN | GRADES CHECKED | SEAL MIXED | PAVEMENT NOTATIONS CHKD | NOTE BOOK | NO.

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F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2508	02-00039-00-PV	KENDALL	146	72
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

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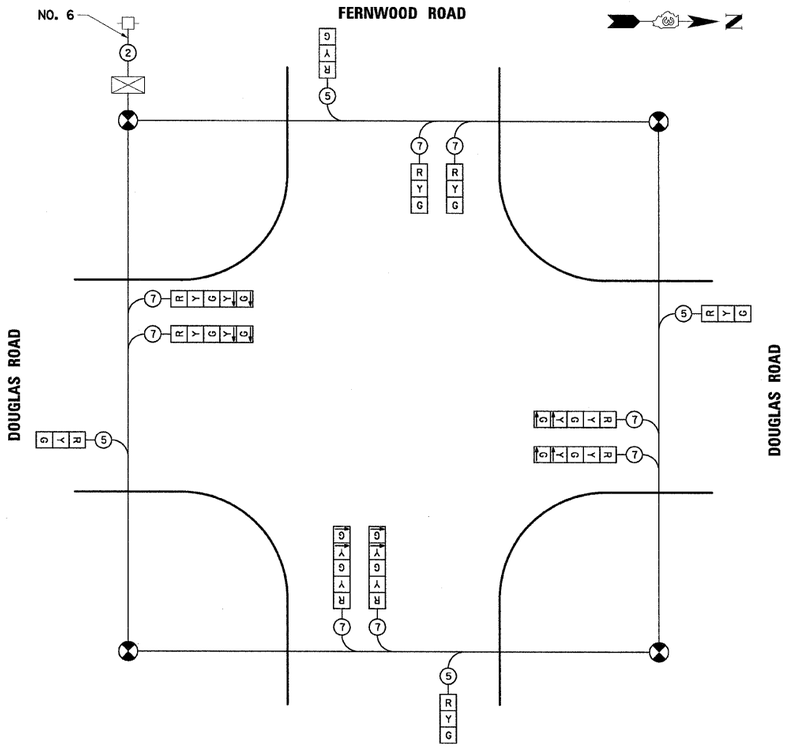


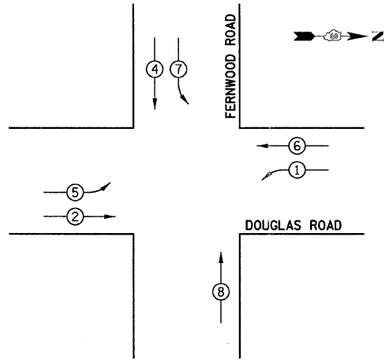
TEMPORARY PHASE DESIGNATION DIAGRAM

I.D.O.T TRAFFIC SIGNAL INSTALLATION ELECTRICAL SERVICE REQUIREMENTS					TOTAL WATTAGE
TYPE	NO. LAMPS	WATTAGE		% OPERATION	
		INCAND.	LED		
SIGNAL (RED)	12		10	0.35	42
(YELLOW)	12		22	0.05	13.2
(GREEN)	12		12	0.60	86.4
ARROW (YELLOW)	6		10	0.05	3
(GREEN)	6		5	0.30	9
PED. SIGNAL				1.00	
CONTROLLER	1		100	1.00	100
ILLUM. SIGN				0.05	
FLASHER				0.50	
				TOTAL =	253.6

ENERGY COSTS TO: VILLAGE OF OSWEGO
113 MAIN STREET
OSWEGO, ILLINOIS 60543

ENERGY SUPPLY CONTACT: JOE STACHO
PHONE: 630-424-5704
COMPANY: COMMONWEALTH EDISON

CONTROLLER SEQUENCE



TEMPORARY PHASE DESIGNATION DIAGRAM

LEGEND

- DUAL ENTRY PHASE
- PEDESTRIAN PHASE
- * NUMBER REFERRING TO ASSOCIATED PHASE

TEMPORARY CABLE DIAGRAM LEGEND

- R — TEMPORARY TRAFFIC SIGNAL SECTION, 12"
- TEMPORARY CONTROLLER CABINET
- TEMPORARY SERVICE INSTALLATION
- (2) — DENOTES NUMBER OF CONDUCTORS. ALL CABLE NO. 14 EXCEPT AS INDICATED.
- EMERGENCY VEHICLE LIGHT DETECTOR
- CONFIRMATION BEACON

ILLINOIS DEPARTMENT OF TRANSPORTATION

F.A.U. 2508 – DOUGLAS ROAD (U.S. RTE 34 TO U.S. RTE 30)

TEMPORARY CABLE PLAN AND PHASE DESIGNATION DIAGRAMS DOUGLAS ROAD AND FERNWOOD

SCALE: VERT. HORIZ. DRAWN BY

DATE CHECKED BY

PLAN: SURVEYED, PLOTTED, ALIGNMENT CHECKED, RT. OF WAY CHECKED, NOTE BOOK, NO., ROAD FILE NAME, BY, DATE

PROFILE: SURVEYED, PLOTTED, GRADES CHECKED, R.M. NOTED, STRUCTURE NOTATIONS CHKD, NOTE BOOK, NO., BY, DATE

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F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2508	02-00039-00-PV	KENDALL	146	73
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

87333

20 0 20 40
SCALE IN FEET

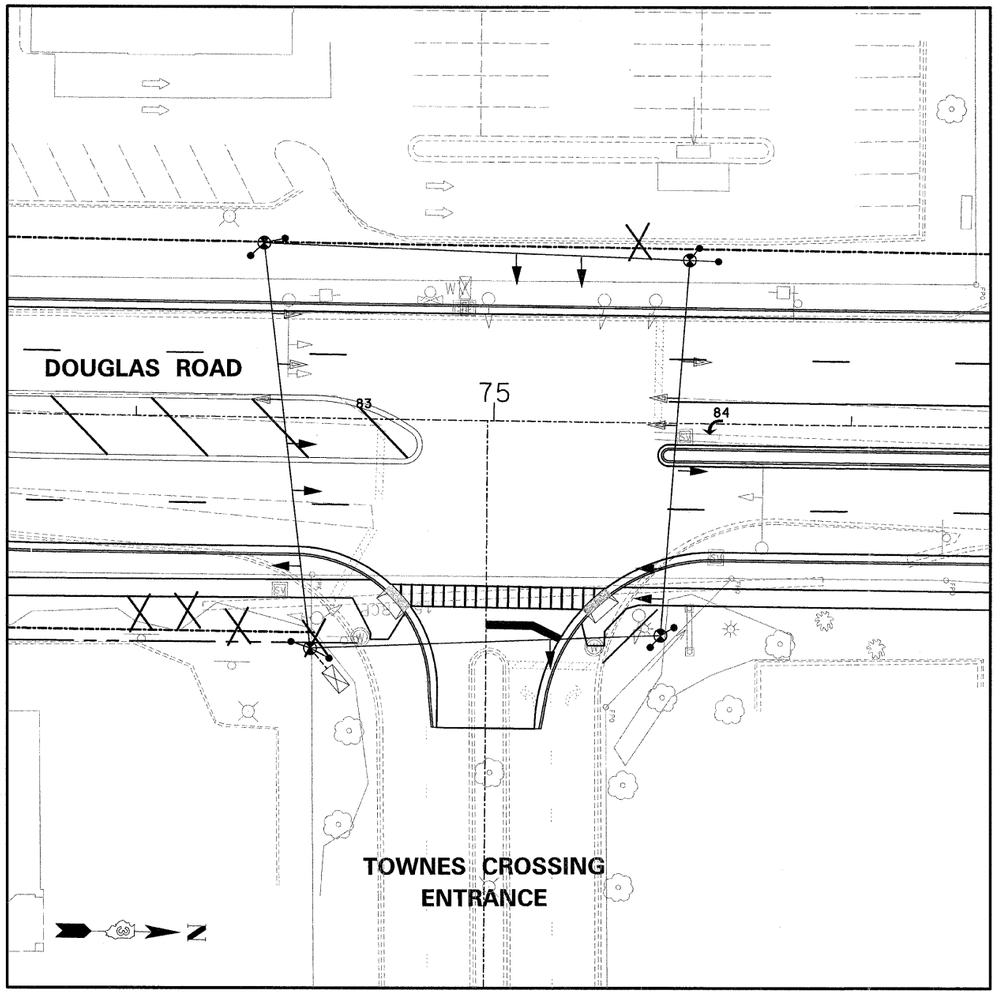
REMOVED EXISTING TRAFFIC SIGNAL EQUIPMENT EACH – 1

THE FOLLOWING EXISTING TRAFFIC SIGNAL EQUIPMENT SHALL BE REMOVED BY THE CONTRACTOR, SHALL REMAIN THE PROPERTY OF THE VILLAGE OF OSWEGO AND SHALL BE DELIVERED BY THE CONTRACTOR TO OSWEGO PUBLIC WORKS.

1 EACH CONTROLLER AND CABINET

THE FOLLOWING ITEMS SHALL BE REMOVED BY THE CONTRACTOR AND DISPOSED OF BY HIM AT HIS EXPENSE. THE SALVAGE VALUE OF THE REMOVED EQUIPMENT SHALL BE REFLECTED IN THE CONTRACT BID PRICE.

2 EACH	STEEL MAST ARM ASSEMBLY AND POLE
10 EACH	SIGNAL HEAD, 1- FACE
1 EACH	SERVICE INSTALLATION
5 EACH	TRAFFIC SIGNAL POST
1 EACH	CABINET



SIGNAL HEADS MAY NEED TO BE MOVED FROM STAGE TO STAGE AS REQUIRED

TEMPORARY TRAFFIC SIGNAL LEGEND

- TEMPORARY TRAFFIC SIGNAL HEAD SPAN WIRE MOUNTED, ORIGINAL LOCATION
- TEMPORARY TRAFFIC SIGNAL HEAD SPAN WIRE MOUNTED, SECONDARY LOCATION•
- TEMPORARY WOOD POLE (CLASS 5 OR BETTER) 45 FOOT MINIMUM
- PROPOSED GUY WIRE TO TEMPORARY WOOD POLE
- TEMPORARY CONTROLLER CABINET
- TEMPORARY SPAN WIRE, TETHER WIRE, AND CABLE
- TEMPORARY SERVICE INSTALLATION
- EMERGENCY VEHICLE LIGHT DETECTOR
- CONFIRMATION BEACON

REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT LEGEND

- EXISTING SIGNAL HEAD TO BE REMOVED
- "E" EXISTING SERVICE INSTALLATION TO BE REMOVED
- EXISTING SIGNAL POST AND FOUNDATION TO BE REMOVED
- "E" EXISTING CONTROLLER AND FOUNDATION TO BE REMOVED
- EXISTING HANDHOLE TO BE REMOVED
- "E" EXISTING HEAVY-DUTY HANDHOLE TO BE REMOVED
- EXISTING ALUMINUM MAST ARM POLE AND FOUNDATION TO BE REMOVED
- EXISTING STEEL MAST ARM POLE AND FOUNDATION TO BE REMOVED

R10-12
24" X 30"
1 SIGN REQUIRED

PLAN
SURVEYED
PLOTTED
NOTE BOOK
NO.
ALIGNMENT CHECKED
R.T. OF WAY CHECKED
ROAD FILE NAME
BY
DATE

PROFILE
SURVEYED
PLOTTED
NOTE BOOK
NO.
GRADES CHECKED
S.M. NOTED
STRUCTURE NOTATIONS CHKD
BY
DATE

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ILLINOIS DEPARTMENT OF TRANSPORTATION

F.A.U. 2508 – DOUGLAS ROAD
(U.S. RTE 34 TO U.S. RTE 30)
TEMPORARY TRAFFIC SIGNAL INSTALLATION
INTERSECTION OF DOUGLAS ROAD
AND TOWNES CROSSING ENTRANCE

SCALE: VERT. HORIZ.
DATE
DRAWN BY
CHECKED BY

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2508	02-00039-00-PV	KENDALL	146	74
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

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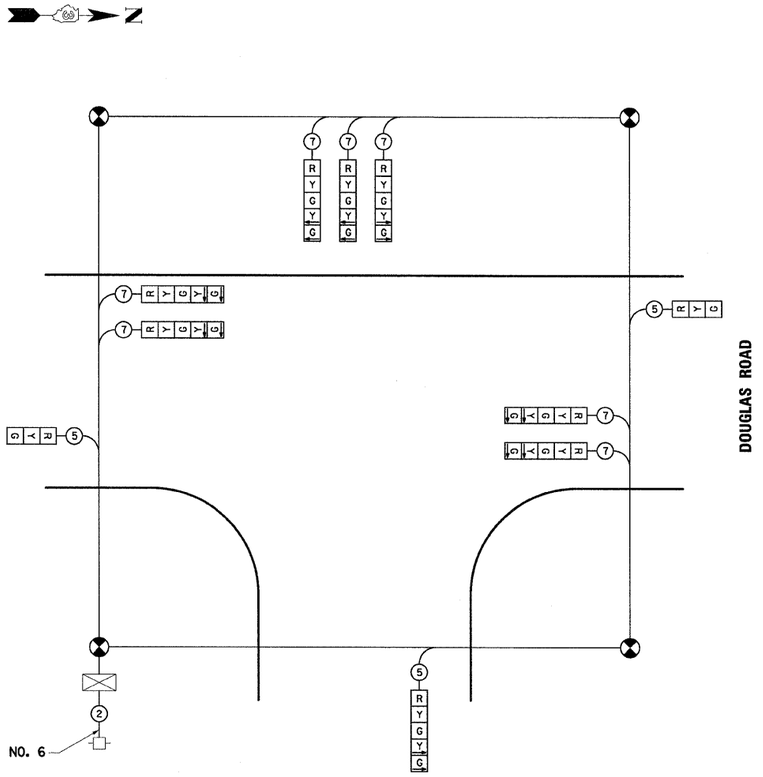
PROFILE — SURVEYED / PLOTTED / ALIGNMENT CHECKED / GRADES CHECKED / PLAN NOTES / QUANTITIES NOTATIONS CHKD / NOTE BOOK / NO. / BY / DATE



TOWNES CROSSING

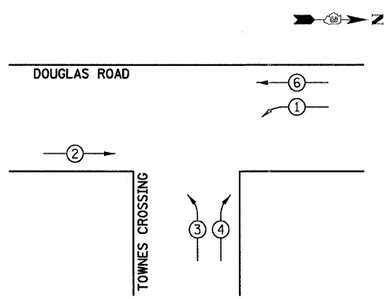
TEMPORARY PHASE DESIGNATION DIAGRAM

I.D.O.T TRAFFIC SIGNAL INSTALLATION ELECTRICAL SERVICE REQUIREMENTS					TOTAL WATTAGE
TYPE	NO. LAMPS	WATTAGE		% OPERATION	
		INCAND.	LED		
SIGNAL (RED)	9		10	0.35	31.5
(YELLOW)	9		22	0.05	9.9
(GREEN)	9		12	0.60	64.8
ARROW (YELLOW)	6		10	0.05	3
(GREEN)	6		5	0.30	9
PED. SIGNAL				1.00	
CONTROLLER	1		100	1.00	100
ILLUM. SIGN				0.05	
FLASHER				0.50	
				TOTAL =	218.2

ENERGY COSTS TO: VILLAGE OF OSWEGO
113 MAIN STREET
OSWEGO, ILLINOIS 60543

ENERGY SUPPLY CONTACT: JOE STACHO
PHONE: 630-424-5704
COMPANY: COMMONWEALTH EDISON

CONTROLLER SEQUENCE



TEMPORARY PHASE DESIGNATION DIAGRAM

LEGEND

- DUAL ENTRY PHASE
- PEDESTRIAN PHASE
- * NUMBER REFERRING TO ASSOCIATED PHASE

TEMPORARY CABLE DIAGRAM LEGEND

- R — TEMPORARY TRAFFIC SIGNAL SECTION, 12"
- TEMPORARY CONTROLLER CABINET
- TEMPORARY SERVICE INSTALLATION
- (2) — DENOTES NUMBER OF CONDUCTORS. ALL CABLE NO. 14 EXCEPT AS INDICATED.
- EMERGENCY VEHICLE LIGHT DETECTOR
- CONFIRMATION BEACON

ILLINOIS DEPARTMENT OF TRANSPORTATION

F.A.U. 2508 – DOUGLAS ROAD (U.S. RTE 34 TO U.S. RTE 30)

TEMPORARY CABLE PLAN AND PHASE DESIGNATION DIAGRAMS DOUGLAS ROAD & TOWNES CROSSING ENTRANCE

SCALE: VERT. HORIZ. | DRAWN BY

DATE | CHECKED BY

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F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2508	02-00039-00-PV	KENDALL	146	75
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

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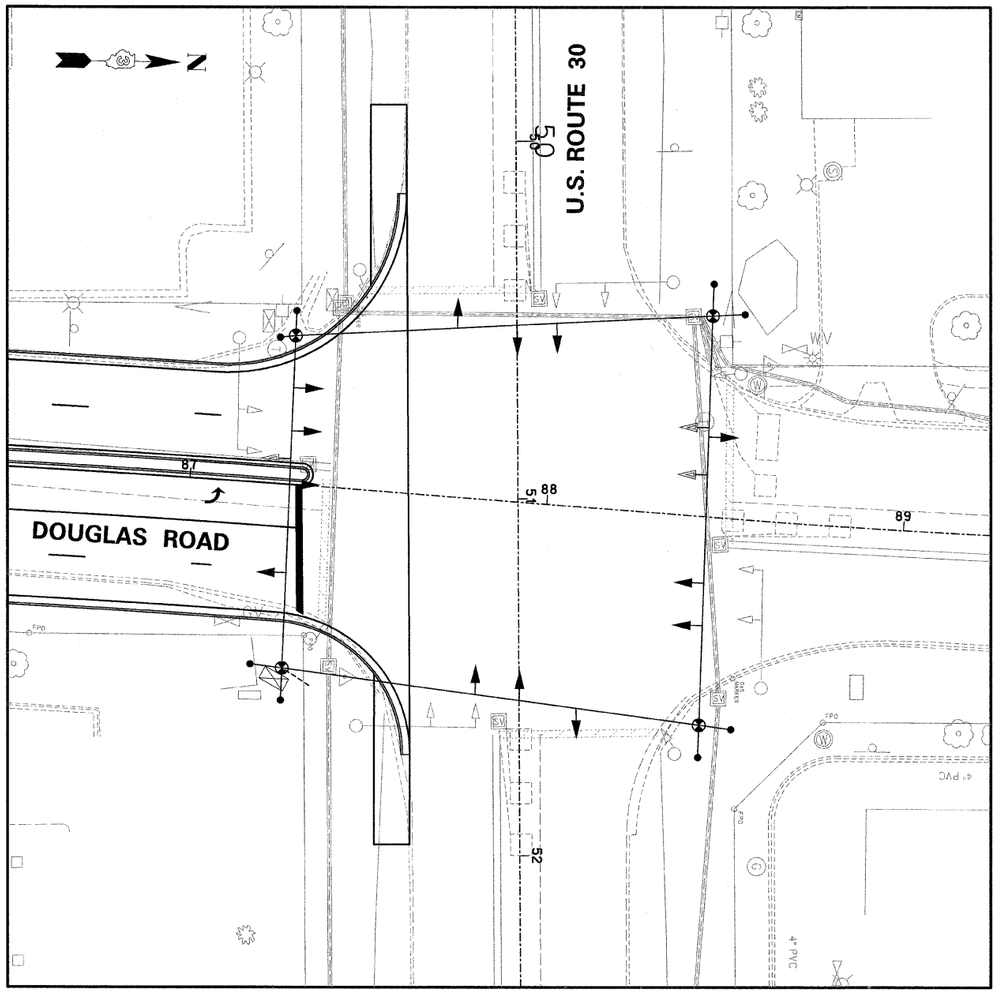
SCALE IN FEET

NOTE
ALL EXISTING EQUIPMENT TO REMAIN



SIGNAL HEADS MAY NEED TO BE MOVED FROM STAGE TO STAGE AS REQUIRED

TEMPORARY TRAFFIC SIGNAL LEGEND

- TEMPORARY TRAFFIC SIGNAL HEAD SPAN WIRE MOUNTED, ORIGINAL LOCATION
- TEMPORARY TRAFFIC SIGNAL HEAD SPAN WIRE MOUNTED, SECONDARY LOCATION•
- TEMPORARY WOOD POLE (CLASS 5 OR BETTER) 45 FOOT MINIMUM
- TEMPORARY CONTROLLER CABINET
- TEMPORARY SPAN WIRE, TETHER WIRE, AND CABLE
- TEMPORARY SERVICE INSTALLATION
- EMERGENCY VEHICLE LIGHT DETECTOR
- CONFIRMATION BEACON

REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT LEGEND

- EXISTING SIGNAL HEAD TO BE REMOVED
- "E" EXISTING SERVICE INSTALLATION TO BE REMOVED
- EXISTING SIGNAL POST AND FOUNDATION TO BE REMOVED
- "E" EXISTING CONTROLLER AND FOUNDATION TO BE REMOVED
- EXISTING HANDHOLE TO BE REMOVED
- "E" EXISTING HEAVY-DUTY HANDHOLE TO BE REMOVED
- EXISTING ALUMINUM MAST ARM POLE AND FOUNDATION TO BE REMOVED
- EXISTING STEEL MAST ARM POLE AND FOUNDATION TO BE REMOVED

PLAN
SURVEYED / DATE
PLOTTED
NOTE BOOK
NO.
ALIGNMENT CHECKED
R/T. OF WAY CHECKED
ROAD FILE NAME
BY / DATE

PROFILE
SURVEYED / DATE
PLOTTED
NOTE BOOK
NO.
GRADES CHECKED
R.M. NOTED
STRUCTURE NOTATIONS CHKD
BY / DATE

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ILLINOIS DEPARTMENT OF TRANSPORTATION

F.A.U. 2508 – DOUGLAS ROAD (U.S. RTE 34 TO U.S. RTE 30)

TEMPORARY TRAFFIC SIGNAL INSTALLATION INTERSECTION OF DOUGLAS ROAD AND U.S. ROUTE 30

SCALE: VERT.
HORIZ.
DATE

DRAWN BY
CHECKED BY

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2508	02-00039-00-PV	KENDALL	146	76
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

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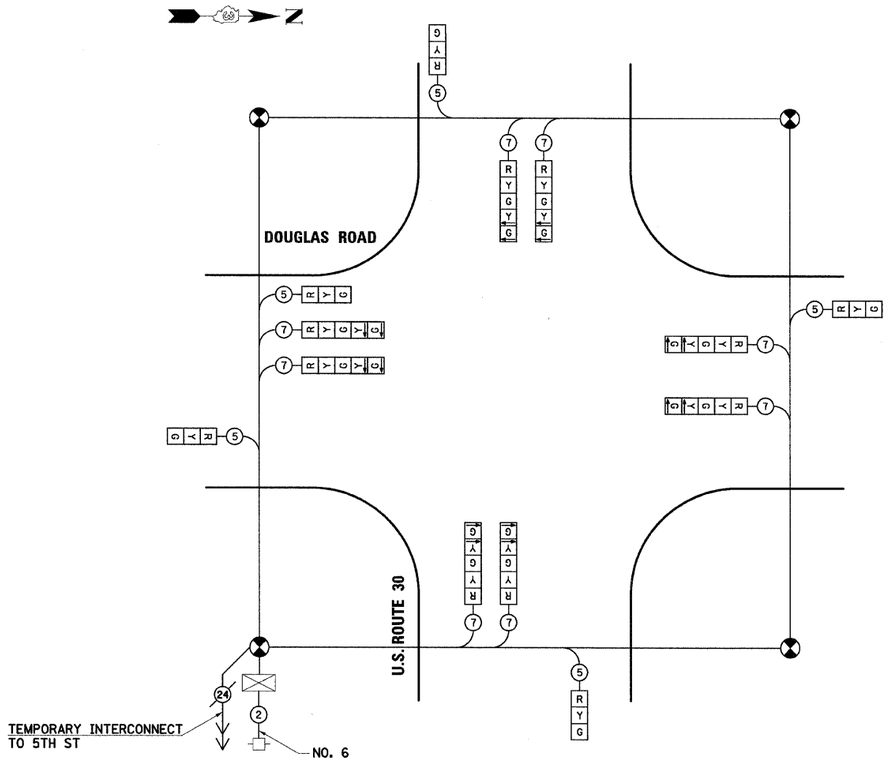


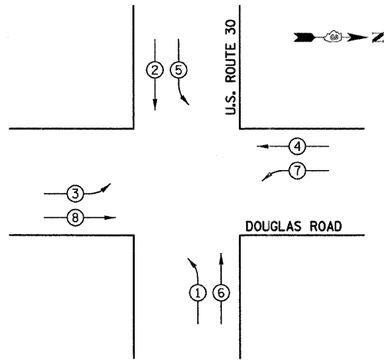
TEMPORARY CABLE PLAN

I.D.O.T TRAFFIC SIGNAL INSTALLATION ELECTRICAL SERVICE REQUIREMENTS					TOTAL WATTAGE
TYPE	NO. LAMPS	WATTAGE		% OPERATION	
		INCAND.	LED		
SIGNAL (RED)	16		10	0.35	56
(YELLOW)	15		22	0.05	16.5
(GREEN)	15		12	0.60	108
ARROW (YELLOW)	7		10	0.05	3.5
(GREEN)	7		5	0.30	10.5
PED. SIGNAL				1.00	
CONTROLLER	1		100	1.00	100
ILLUM. SIGN				0.05	
FLASHER				0.50	
				TOTAL =	294.5

ENERGY COSTS TO: VILLAGE OF OSWEGO
113 MAIN STREET
OSWEGO, ILLINOIS 60543

ENERGY SUPPLY CONTACT: JOE STACHO
PHONE: 630-424-5704
COMPANY: COMMONWEALTH EDISON

CONTROLLER SEQUENCE



TEMPORARY PHASE DESIGNATION DIAGRAM

LEGEND

- DUAL ENTRY PHASE
- PEDESTRIAN PHASE
- * NUMBER REFERRING TO ASSOCIATED PHASE

TEMPORARY CABLE DIAGRAM LEGEND

- R — TEMPORARY TRAFFIC SIGNAL SECTION, 12"
- TEMPORARY CONTROLLER CABINET
- TEMPORARY SERVICE INSTALLATION
- (2) — DENOTES NUMBER OF CONDUCTORS. ALL CABLE NO. 14 EXCEPT AS INDICATED.
- EMERGENCY VEHICLE LIGHT DETECTOR
- CONFIRMATION BEACON

NOTE:
1. THE TRAFFIC SIGNAL CONTROL EQUIPMENT FOR THIS PROJECT SHALL BE "EAGLE" TO MATCH THE EXISTING ADJACENT SYSTEM.
2. PERMISSIVE LEFT TURNS WILL NOT BE USED DURING CONSTRUCTION
3. SEE ATTACHED TRAFFIC SIGNAL PLANS FOR U.S. ROUTE 30 AT DOUGLAS ROAD
4. SEE ATTACHED "SYSTEM" INTERCONNECT PLANS

ILLINOIS DEPARTMENT OF TRANSPORTATION

F.A.U. 2508 – DOUGLAS ROAD (U.S. RTE 34 TO U.S. RTE 30)

TEMPORARY CABLE PLAN AND PHASE DESIGNATION DIAGRAMS DOUGLAS ROAD AND U.S. ROUTE 30

SCALE: VERT. HORIZ. DRAWN BY
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F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2508	02-00039-00-PV	KENDALL	146	77
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

87333

20 0 20 40
SCALE IN FEET

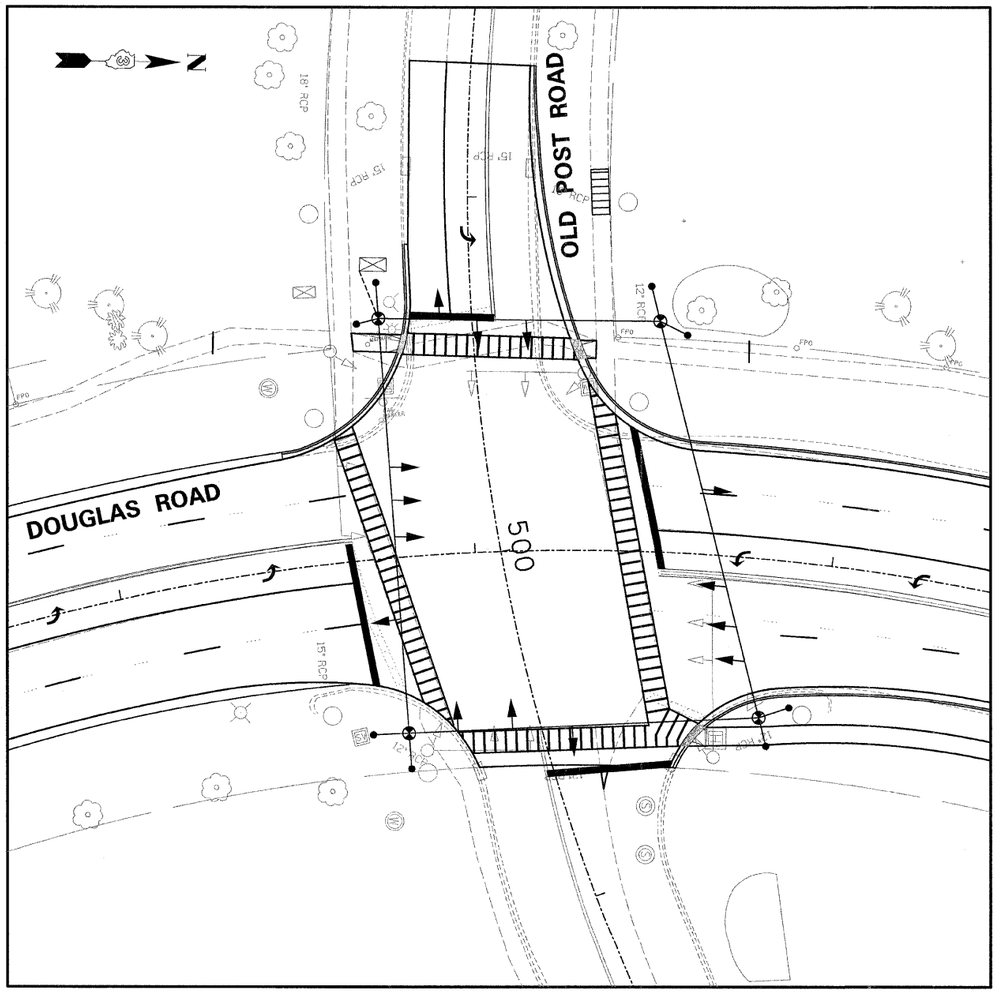
REMOVED EXISTING TRAFFIC SIGNAL EQUIPMENT EACH – 1

THE FOLLOWING ITEMS SHALL BE REMOVED BY THE CONTRACTOR AND DISPOSED OF BY HIM AT HIS EXPENSE. THE SALVAGE VALUE OF THE REMOVED EQUIPMENT SHALL BE REFLECTED IN THE CONTRACT BID PRICE.

1 EACH STEEL MAST ARM ASSEMBLY AND POLE
3 EACH SIGNAL HEAD, 1- FACE

NOTE

ONLY NORTHWEST MAST ARM BEING REMOVED



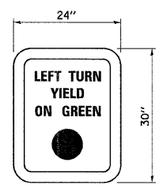
SIGNAL HEADS MAY NEED TO BE MOVED FROM STAGE TO STAGE AS REQUIRED

TEMPORARY TRAFFIC SIGNAL LEGEND

- TEMPORARY TRAFFIC SIGNAL HEAD SPAN WIRE MOUNTED, ORIGINAL LOCATION
- TEMPORARY TRAFFIC SIGNAL HEAD SPAN WIRE MOUNTED, SECONDARY LOCATION•
- TEMPORARY WOOD POLE (CLASS 5 OR BETTER) 45 FOOT MINIMUM
- PROPOSED GUY WIRE TO TEMPORARY WOOD POLE
- TEMPORARY CONTROLLER CABINET
- TEMPORARY SPAN WIRE, TETHER WIRE, AND CABLE
- TEMPORARY SERVICE INSTALLATION
- EMERGENCY VEHICLE LIGHT DETECTOR
- CONFIRMATION BEACON

REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT LEGEND

- EXISTING SIGNAL HEAD TO BE REMOVED
- "E" EXISTING SERVICE INSTALLATION TO BE REMOVED
- EXISTING SIGNAL POST AND FOUNDATION TO BE REMOVED
- "E" EXISTING CONTROLLER AND FOUNDATION TO BE REMOVED
- EXISTING HANDHOLE TO BE REMOVED
- "E" EXISTING HEAVY-DUTY HANDHOLE TO BE REMOVED
- EXISTING ALUMINUM MAST ARM POLE AND FOUNDATION TO BE REMOVED
- EXISTING STEEL MAST ARM POLE AND FOUNDATION TO BE REMOVED



R10-12
24" X 30"
3 SIGN REQUIRED

PLAN
SURVEYED
PLOTTED
ALIGNMENT CHECKED
RT. OF WAY CHECKED
ROAD FILE NAME
NOTE BOOK
NO.
BY
DATE

PROFILE
SURVEYED
PLOTTED
GRADES CHECKED
ELEV. NOTED
PROFILE NOTATNS CHKD
NOTE BOOK
NO.
BY
DATE

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ILLINOIS DEPARTMENT OF TRANSPORTATION

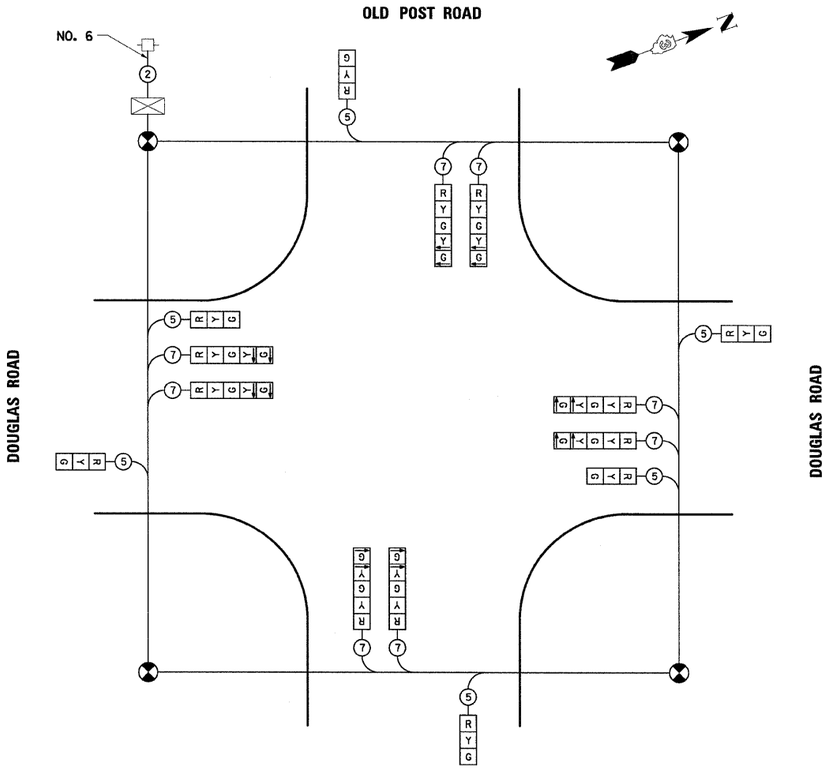
F.A.U. 2508 – DOUGLAS ROAD
(U.S. RTE 34 TO U.S. RTE 30)

TEMPORARY TRAFFIC SIGNAL INSTALLATION
INTERSECTION OF DOUGLAS ROAD
AND OLD POST ROAD

SCALE: VERT.
HORIZ.
DRAWN BY
DATE
CHECKED BY

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2508	02-00039-00-PV	KENDALL	146	78
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

87333



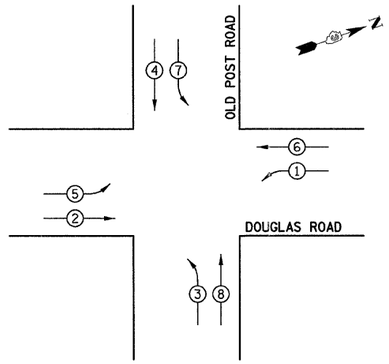
TEMPORARY PHASE DESIGNATION DIAGRAM

I.D.O.T TRAFFIC SIGNAL INSTALLATION ELECTRICAL SERVICE REQUIREMENTS					TOTAL WATTAGE
TYPE	NO. LAMPS	WATTAGE		% OPERATION	
		INCAND.	LED		
SIGNAL (RED)	14		10	0.35	49
(YELLOW)	14		22	0.05	15.4
(GREEN)	14		12	0.60	100.8
ARROW (YELLOW)	8		10	0.05	4
(GREEN)	8		5	0.30	12
PED. SIGNAL				1.00	
CONTROLLER	1		100	1.00	100
ILLUM. SIGN				0.05	
FLASHER				0.50	
				TOTAL =	281.2

ENERGY COSTS TO: VILLAGE OF OSWEGO
113 MAIN STREET
OSWEGO, ILLINOIS 60543

ENERGY SUPPLY CONTACT: JOE STACHO
PHONE: 630-424-5704
COMPANY: COMMONWEALTH EDISON

CONTROLLER SEQUENCE



TEMPORARY PHASE DESIGNATION DIAGRAM

LEGEND

- DUAL ENTRY PHASE
- PEDESTRIAN PHASE
- * NUMBER REFERRING TO ASSOCIATED PHASE

TEMPORARY CABLE DIAGRAM LEGEND

- R — TEMPORARY TRAFFIC SIGNAL SECTION, 12"
- TEMPORARY CONTROLLER CABINET
- TEMPORARY SERVICE INSTALLATION
- (2) — DENOTES NUMBER OF CONDUCTORS. ALL CABLE NO. 14 EXCEPT AS INDICATED.
- EMERGENCY VEHICLE LIGHT DETECTOR
- CONFIRMATION BEACON

ILLINOIS DEPARTMENT OF TRANSPORTATION

F.A.U. 2508 – DOUGLAS ROAD (U.S. RTE 34 TO U.S. RTE 30)

TEMPORARY CABLE PLAN AND PHASE DESIGNATION DIAGRAMS DOUGLAS ROAD AND OLD POST ROAD

SCALE: VERT. HORIZ. DRAWN BY

DATE CHECKED BY

PLAN — SURVEYED, PLOTTED, ALIGNMENT CHECKED, R.T. OF WAY CHECKED, NOTE BOOK, NO., ROAD FILE NAME, BY, DATE

PROFILE — SURVEYED, PLOTTED, GRADES CHECKED, B.M. NOTED, STRUCTURE NOTATING CHKD, NOTE BOOK, NO.

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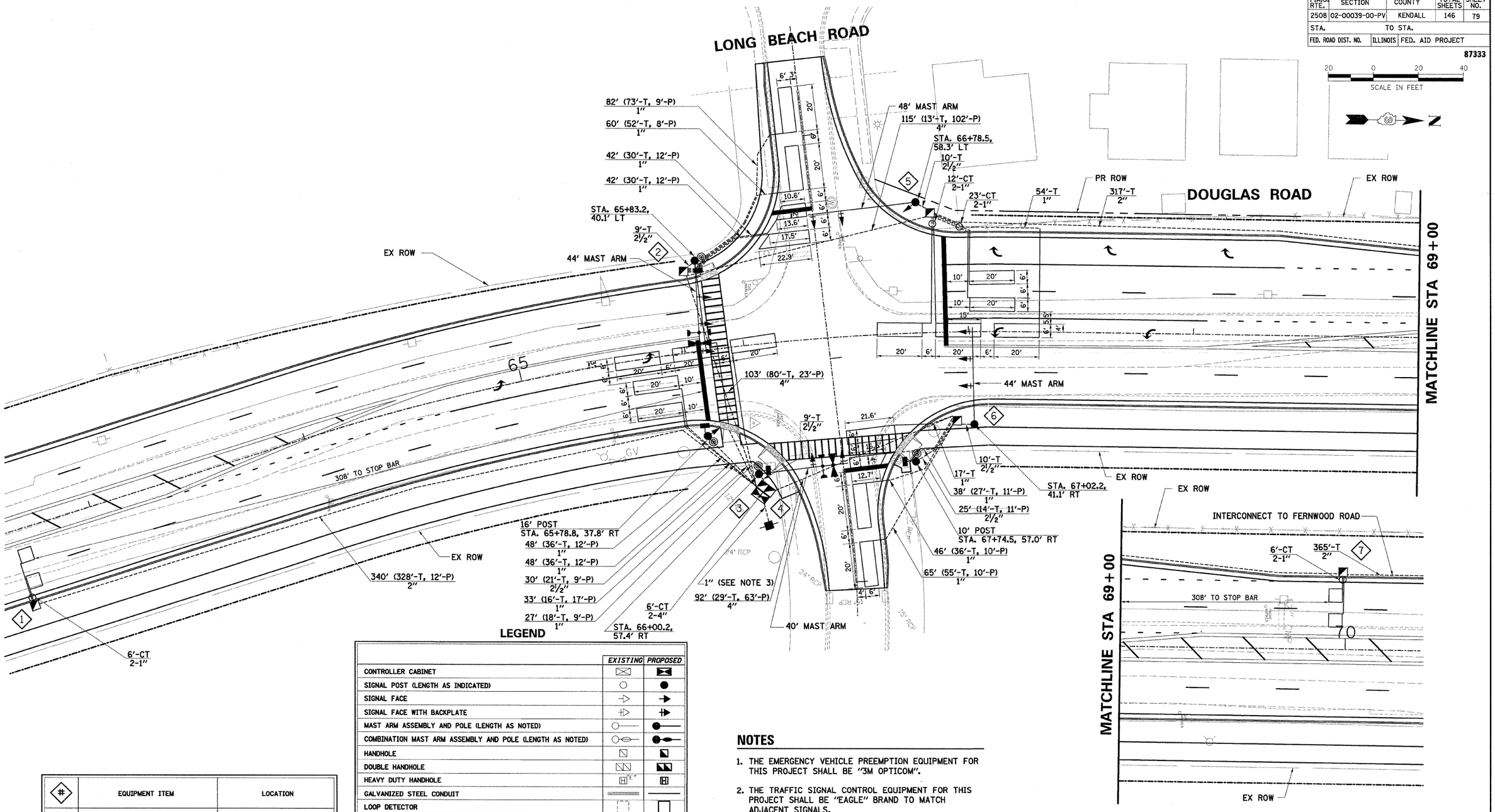
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2508	02-00039-00-PV	KENDALL	146	79
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

87333



#	EQUIPMENT ITEM	LOCATION
1	HANDHOLE	STA. 62+63.4, 34.5' RT
2	HANDHOLE	STA. 65+77.8, 36.1' LT
3	CONTROLLER	STA. 65+99.7, 67.1' RT
4	DOUBLE HANDHOLE	STA. 66+02.9, 64.2' RT
5	HANDHOLE	STA. 66+84.5, 53.4' LT
6	HANDHOLE	STA. 66+94.3, 39.4' RT
7	HANDHOLE	STA. 69+96.6, 34.6' LT

LEGEND

	EXISTING	PROPOSED
CONTROLLER CABINET	⊠	⧓
SIGNAL POST (LENGTH AS INDICATED)	○	●
SIGNAL FACE	▷	→
SIGNAL FACE WITH BACKPLATE	⊣▷	⊣→
MAST ARM ASSEMBLY AND POLE (LENGTH AS NOTED)	○—	●—
COMBINATION MAST ARM ASSEMBLY AND POLE (LENGTH AS NOTED)	○⬭—	●⬭—
HANDHOLE	▧	◪
DOUBLE HANDHOLE	▧▧	◪◪
HEAVY DUTY HANDHOLE	H"E"	H
GALVANIZED STEEL CONDUIT	═	—
LOOP DETECTOR	⬚	□
SERVICE INSTALLATION, TYPE B	⊣□	⊣■
LIGHT DETECTOR		◀
CONFIRMATION BEACON		⊣◀
TEMPORARY WOOD POLE (CLASS 5 OR BETTER) 45 FOOT (13.7m) MIN.	⊗	⊗
JUNCTION BOX		▨
PEDESTRIAN SIGNAL HEAD	⊣▯	⊣▮
PEDESTRIAN PUSHBUTTON	◎	◉

NOTES

1. THE EMERGENCY VEHICLE PREEMPTION EQUIPMENT FOR THIS PROJECT SHALL BE "3M OPTICOM".
2. THE TRAFFIC SIGNAL CONTROL EQUIPMENT FOR THIS PROJECT SHALL BE "EAGLE" BRAND TO MATCH ADJACENT SIGNALS.
3. SERVICE INSTALLATION LOCATION TO BE DETERMINED IN THE FIELD AT THE TIME OF CONSTRUCTION

ILLINOIS DEPARTMENT OF TRANSPORTATION

F.A.U. 2508 – DOUGLAS ROAD (U.S. RTE 34 TO U.S. RTE 30)

LONG BEACH ROAD

TRAFFIC SIGNAL INSTALLATION PLAN

SCALE: VERT. HORIZ.

DATE

DRAWN BY

CHECKED BY

PLAN
SURVEYED
ADDED
ALIGNMENT CHECKED
PT. OF WAY CHECKED
ROAD FILE NAME
NOTE BOOK
NO.
BY
DATE

PROFILE
SURVEYED
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GRADES CHECKED
B.M. NOTED
STRUCTURE NO.
NOTE BOOK
NO.
BY
DATE

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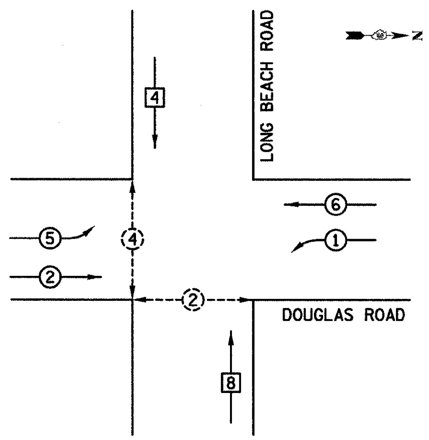
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2508	02-00039-00-PV	KENDALL	146	80
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

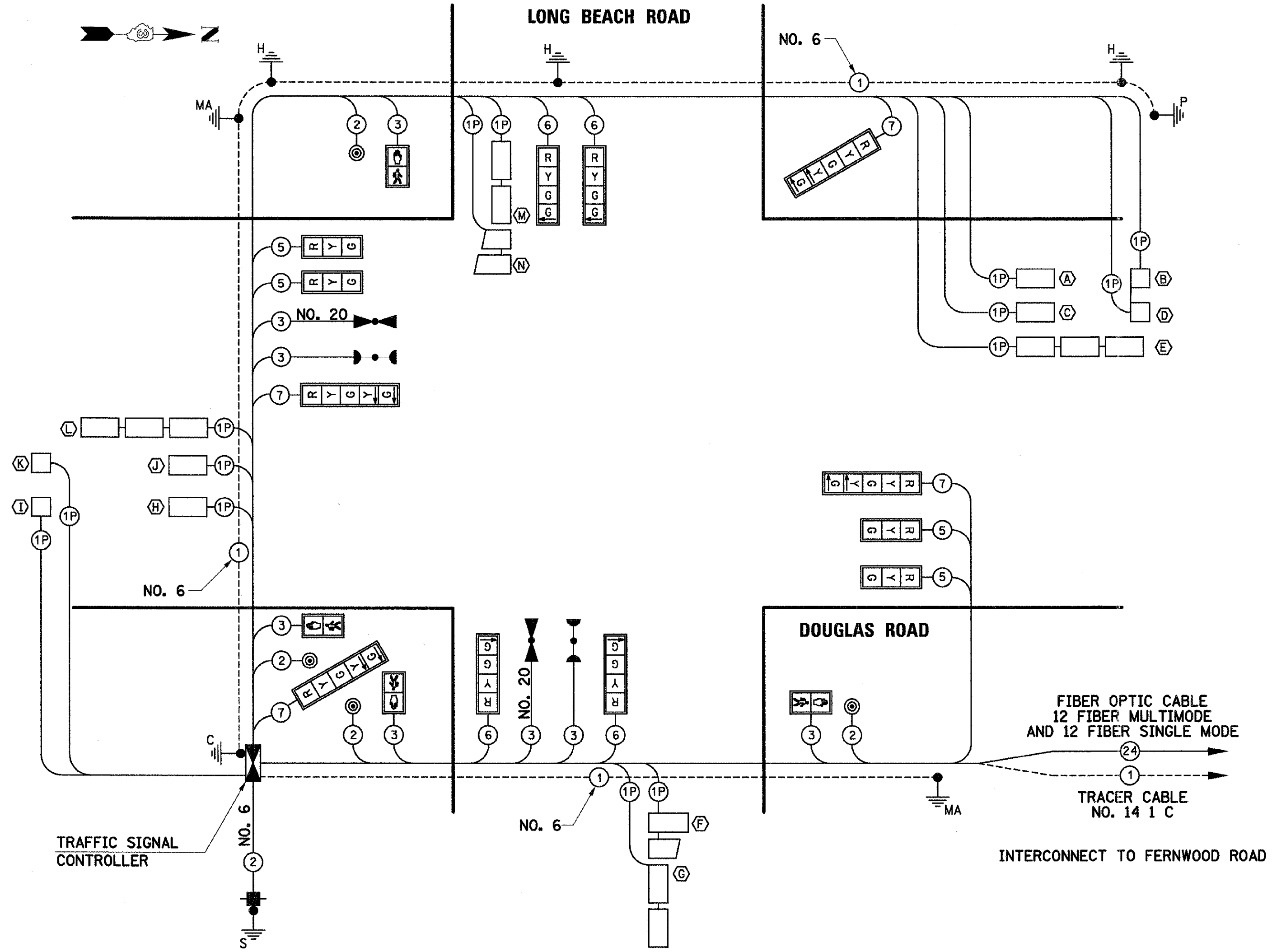
CONTROLLER SEQUENCE



LEGEND

- DUAL ENTRY PHASE
- SINGLE ENTRY PHASE
- PEDESTRIAN PHASE
- * NUMBER REFERRING TO ASSOCIATED PHASE

PHASE DESIGNATION DIAGRAM



CABLE PLAN

SCHEDULE OF QUANTITIES

87333

SIGN PANEL - TYPE 1	SQ FT	30
SIGN PANEL - TYPE 2	SQ FT	55
RELOCATE SIGN PANEL ASSEMBLY - TYPE B	EACH	
CONDUIT IN TRENCH, 1" DIA., GALVANIZED STEEL	FOOT	560
CONDUIT IN TRENCH, 2" DIA., GALVANIZED STEEL	FOOT	645
CONDUIT IN TRENCH, 2 1/2" DIA., GALVANIZED STEEL	FOOT	64
CONDUIT IN TRENCH, 4" DIA., GALVANIZED STEEL	FOOT	42
CONDUIT PUSHED, 1" DIA., GALVANIZED STEEL	FOOT	111
CONDUIT PUSHED, 2" DIA., GALVANIZED STEEL	FOOT	12
CONDUIT PUSHED, 2 1/2" DIA., GALVANIZED STEEL	FOOT	20
CONDUIT PUSHED, 4" DIA., GALVANIZED STEEL	FOOT	165
HANDHOLE	EACH	5
DOUBLE HANDHOLE	EACH	1
TRENCH AND BACKFILL FOR ELECTRICAL WORK	FOOT	1270
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	
FULL-ACTUATED CONTROLLER AND TYPE IV CABINET, SPECIAL	EACH	1
UNINTERRUPTABLE POWER SUPPLY, EXTENDED	EACH	1
TRANSCEIVER - FIBER OPTIC	EACH	1
ELECTRIC CABLE IN CONDUIT, SIGNAL, NO. 14 2C	FOOT	406
ELECTRIC CABLE IN CONDUIT, SIGNAL, NO. 14 3C	FOOT	682
ELECTRIC CABLE IN CONDUIT, SIGNAL, NO. 14 5C	FOOT	726
ELECTRIC CABLE IN CONDUIT, SIGNAL, NO. 14 7C	FOOT	716
ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 14 1 PAIR	FOOT	2697
ELECTRIC CABLE IN CONDUIT, SERVICE, NO. 6 2C	FOOT	50
TRAFFIC SIGNAL POST, GALVANIZED STEEL, 10 FT.	EACH	1
TRAFFIC SIGNAL POST, GALVANIZED STEEL, 15 FT.	EACH	
TRAFFIC SIGNAL POST, GALVANIZED STEEL, 16 FT.	EACH	1
STEEL MAST ARM ASSEMBLY AND POLE, 32 FT.	EACH	
STEEL MAST ARM ASSEMBLY AND POLE, 34 FT.	EACH	
STEEL MAST ARM ASSEMBLY AND POLE, 40 FT.	EACH	1
STEEL MAST ARM ASSEMBLY AND POLE, 42 FT.	EACH	
STEEL MAST ARM ASSEMBLY AND POLE, 44 FT.	EACH	2
STEEL MAST ARM ASSEMBLY AND POLE, 48 FT.	EACH	1
STEEL MAST ARM ASSEMBLY AND POLE, 52 FT.	EACH	
STEEL MAST ARM ASSEMBLY AND POLE WITH DUAL MAST ARMS, 30 FT. AND 38 FT.	EACH	
STEEL MAST ARM ASSEMBLY AND POLE WITH DUAL MAST ARMS, 40 FT. AND 48 FT.	EACH	
CONCRETE FOUNDATION, TYPE A	FOOT	8
CONCRETE FOUNDATION, TYPE C	FOOT	4
CONCRETE FOUNDATION, TYPE E, 36-INCH DIAMETER	FOOT	52
DRILL EXISTING HANDHOLE	EACH	
SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED	EACH	4
SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 3-SECTION, MAST ARM MOUNTED	EACH	
SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 5-SECTION, BRACKET MOUNTED	EACH	1
SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 5-SECTION, MAST ARM MOUNTED	EACH	6
PEDESTRIAN SIGNAL HEAD, LED, 1-FACE, POST MOUNTED	EACH	2
PEDESTRIAN SIGNAL HEAD, LED, 1-FACE, BRACKET MOUNTED	EACH	2
TRAFFIC SIGNAL BACKPLATE, LOUVERED, FORMED PLASTIC	EACH	12
INDUCTIVE LOOP DETECTOR	EACH	14
DETECTOR LOOP, TYPE I	FOOT	1460
LIGHT DETECTOR	EACH	2
LIGHT DETECTOR AMPLIFIER	EACH	1
PEDESTRIAN PUSH-BUTTON	EACH	4
TEMPORARY TRAFFIC SIGNAL INSTALLATION	EACH	
MODIFY EXISTING CONTROLLER	EACH	
REMOVE ELECTRIC CABLE FROM CONDUIT	FOOT	
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	
ELECTRIC CABLE IN CONDUIT, TRACER, NO. 14 1C	FOOT	
FIBER OPTIC CABLE IN CONDUIT, NO. 62.5/125, MM12F SM12F	FOOT	
SERVICE INSTALLATION - GROUND MOUNTED	EACH	1
ELECTRIC CABLE IN CONDUIT, GROUNDING, NO.6 1C	FOOT	506
ELECTRIC CABLE IN CONDUIT, NO.20 3C, TWISTED, SHIELDED	FOOT	286
RE-OPTIMIZE TRAFFIC SIGNAL SYSTEM	L SUM	
REMOVE EXISTING HANDHOLE	EACH	

DOUGLAS ROAD AT LONG BEACH ROAD ELECTRICAL LOAD CHART

DOUGLAS ROAD

INDICATION	NUMBER	WATTAGE EACH	BURN TIME (%)
RED	8	10	35
YELLOW	8	22	5
GREEN	8	12	60
YELLOW ARROW	3	10	5
GREEN ARROW	3	5	30

LONG BEACH ROAD

RED	4	10	60
YELLOW	4	22	5
GREEN	4	12	35
GREEN ARROW	4	5	30

TRAFFIC SIGNAL CABINET

ITEM	NUMBER	WATTAGE EACH	BURN TIME (%)
CONTROLLER	2	6	100
LOOP DETECTORS	12	4	100
UPS	1	50	100

HIGHWAY LIGHTING

ITEM	NUMBER	WATTAGE EACH	BURN TIME (%)
CONTROLLER	1	6	100
LUMINAIRE	0	310	360 HRS/MONTH

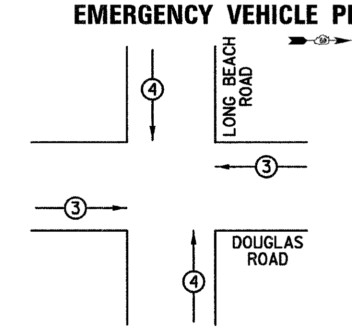
ENERGY COSTS TO: VILLAGE OF OSWEGO
113 MAIN STREET
OSWEGO, ILLINOIS 60543

ENERGY SUPPLY CONTACT: JOE STACHO
PHONE: 630-424-5704
COMPANY: COMMONWEALTH EDISON

CABLE DIAGRAM LEGEND

EXISTING	PROPOSED	
		CONTROLLER CABINET
		SERVICE INSTALLATION
		VEHICLE DETECTOR, INDUCTION LOOP
		LIGHT DETECTOR
		CONFIRMATION BEACON
2	2	DENOTES NUMBER OF CONDUCTORS. ALL CABLE NO. 14 EXCEPT AS INDICATED. ALL LOOP DETECTOR CABLE TO BE SHIELDED.
		LIGHTING UNIT
R	R	12" TRAFFIC SIGNAL SECTION
R Y G Y G "P"	R Y G Y G "P"	SIGNAL FACE WITH BACKPLATE. "P" INDICATES PROGRAMMED HEAD.
H/C	H/C	GROUND CABLE ROD AT HANDHOLE (H), DOUBLE HANDHOLE (H), OR CONTROLLER (C)
P/MA	P/MA	GROUND ROD AT POST (P) OR MAST ARM (MA)
S	S	GROUND ROD AT ELECTRIC SERVICE INSTALLATION
		12" (300mm) PEDESTRIAN SIGNAL SECTION
		PUSHBUTTON DETECTOR

EMERGENCY VEHICLE PRE-EMPTION SEQUENCE



PROPOSED EMERGENCY VEHICLE PREEMPTORS		
EMERGENCY VEHICLE PREEMPTOR	3	4
MOVEMENT		

DOUGLAS ROAD AT LONG BEACH ROAD DETECTOR LOOP INDUCTANCE CHART

LOOP SYSTEM	PHASE	LABEL	NO. OF TURNS	INDUCTANCE (MICROHENRIES)	FREQUENCY (HERTZ)	J PIN STATUS
A	6	SB WSTBR	4	154	49,139	OFF
B	6	SB WFAR	6	476	27,979	ON
C	6	SB ESTBR	4	154	49,139	OFF
D	6	SB EFAR	6	476	27,979	ON
E	1	SBLT	4	313	34,495	ON
F	8	WWB	4	227	40,496	ON
G	8	EWB	4	237	39,623	ON
H	2	NB ESTBR	4	93	63,264	OFF
I	2	NB FAR	5	316	34,316	ON
J	2	NB WSTBR	4	93	63,264	OFF
K	2	NB WFAR	5	316	34,316	ON
L	5	NBLT	4	252	38,459	ON
M	4	WEB	4	247	38,808	ON
N	4	EEB	4	228	40,417	ON

NOTES

1. THE EMERGENCY VEHICLE PREEMPTION EQUIPMENT FOR THIS PROJECT SHALL BE "3M OPTICOM".
2. THE TRAFFIC SIGNAL CONTROL EQUIPMENT FOR THIS PROJECT SHALL BE "EAGLE" BRAND TO MATCH ADJACENT SIGNALS.

ILLINOIS DEPARTMENT OF TRANSPORTATION

F.A.U. 2508 – DOUGLAS ROAD
(U.S. RTE 34 TO U.S. RTE 30)

LONG BEACH ROAD
CABLE PLAN

SCALE: VERT. N.T.S. HORIZ.
DATE
DRAWN BY
CHECKED BY

PLAN — SURVEYED / PLOTTED / ALIGNMENT CHECKED / R.O. WAY CHECKED / CADD FILE NAME / NOTE BOOK / NO. — BY — DATE

PROFILE — SURVEYED / PLOTTED / GRADES CHECKED / B.M. NOTED / STRUCTURE NOTATIONS CHECKED / NOTE BOOK / NO. — BY — DATE

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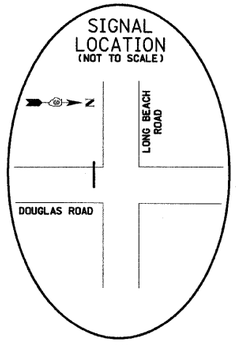
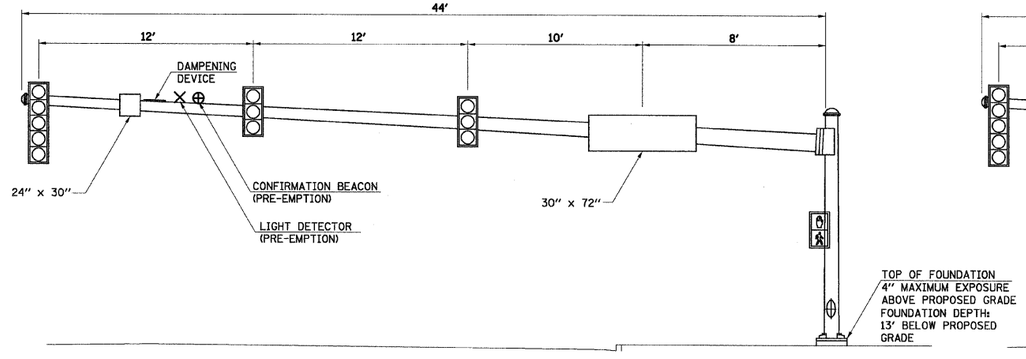
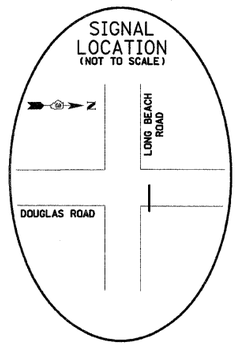
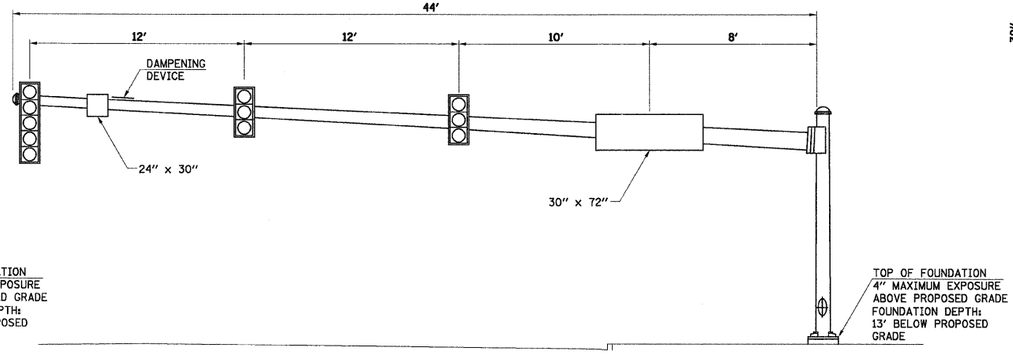
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2508	02-00039-00-PV	KENDALL	146	81
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

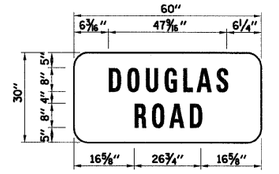
87333











12.50 SQ. FT. EACH
2 REQUIRED
DESIGN SERIES D

15.00 SQ. FT. EACH
2 REQUIRED
DESIGN SERIES D

STREET NAME SIGN DETAIL

THESE STREET NAME SIGNS SHALL BE PLACED ON THE MAST ARMS PARALLEL TO THE RESPECTIVE ROUTE AS DIRECTED BY THE ENGINEER.

STREET NAME SIGNS

1. TYPE A SHEETING REQUIRED
2. WHITE LETTERING ON GREEN BACKGROUND
3. 3/4" WHITE BORDER

TYPE "A" SHEETING REQUIRED

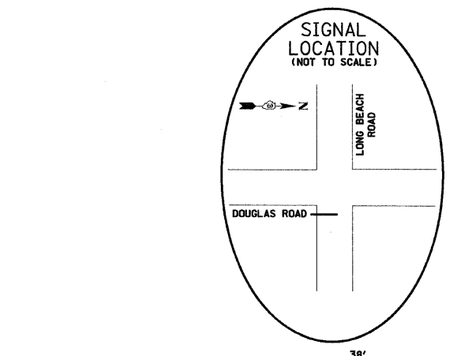
5.0 SQ. FT. EACH
2 REQUIRED

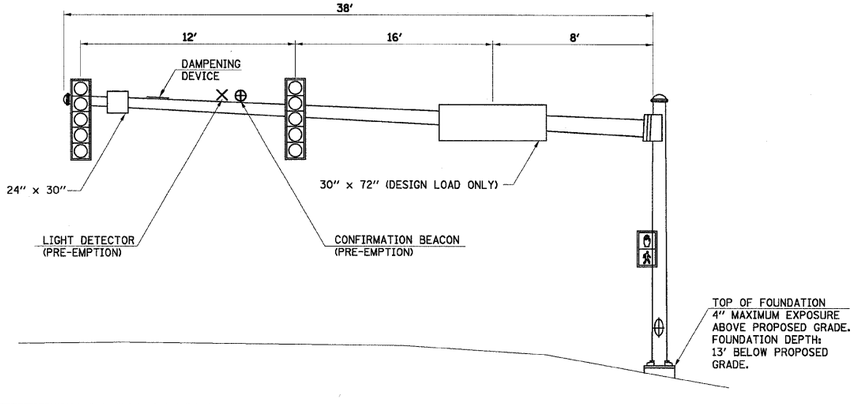
TYPE "A" SHEETING REQUIRED

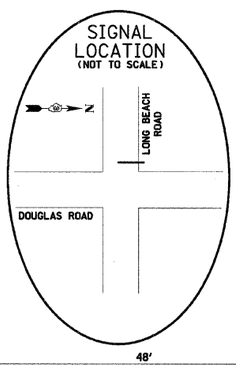
5.0 SQ. FT. EACH
4 REQUIRED

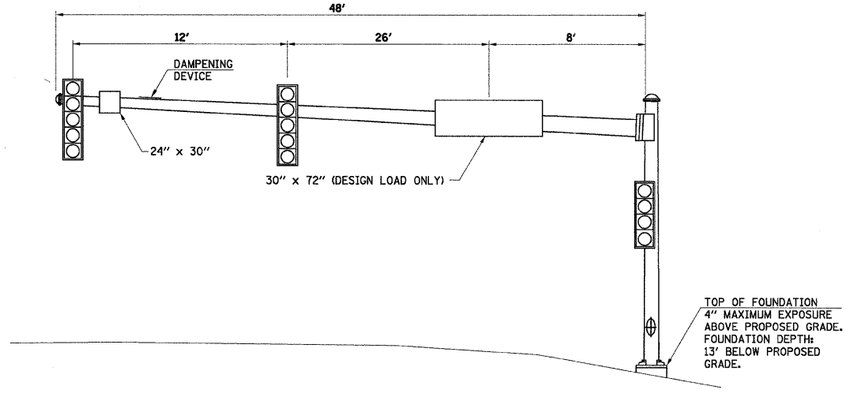
LEFT TURN CONTROL SIGN DETAIL

THIS SIGN SHALL BE LOCATED 6 TO 12 INCHES TO THE RIGHT OF THE NORTHBOUND AND SOUTHBOUND MAST ARM MOUNTED LEFT TURN SIGNAL HEAD.









NOTES

1. ALL SIGNAL HEADS HAVE BACKPLATES.
2. ALL MAST ARM FOUNDATIONS TO BE 36" DIAMETER.
3. DAMPENING DEVICE SHALL CONSIST OF A 24" X 30" TYPE-I, UNPAINTED ALUMINUM SIGN STOCK MOUNTED HORIZONTALLY ON TOP OF MAST ARM WITH THE 30" LENGTH PERPENDICULAR TO THE ARM. COST OF THE DAMPENING DEVICE SHALL BE INCLUDED IN THE MAST ARM PAY ITEM.

ILLINOIS DEPARTMENT OF TRANSPORTATION

F.A.U. 2508 – DOUGLAS ROAD (U.S. RTE 34 TO U.S. RTE 30) LONG BEACH ROAD MAST ARM LOADING DIAGRAMS STREET SIGN DETAIL

SCALE: VERT. HORIZ. N.T.S.
DRAWN BY
DATE
CHECKED BY

PLAN: SURVEYED, DRAWN, ALIGNMENT CHECKED, R.O.W. CHECKED, NOTE BOOK, NO., DATE, BY
PROFILE: SURVEYED, DRAWN, GRADES CHECKED, B.M. NOTED, STRUCTURE, NOTAFRS CKD, DATE, BY

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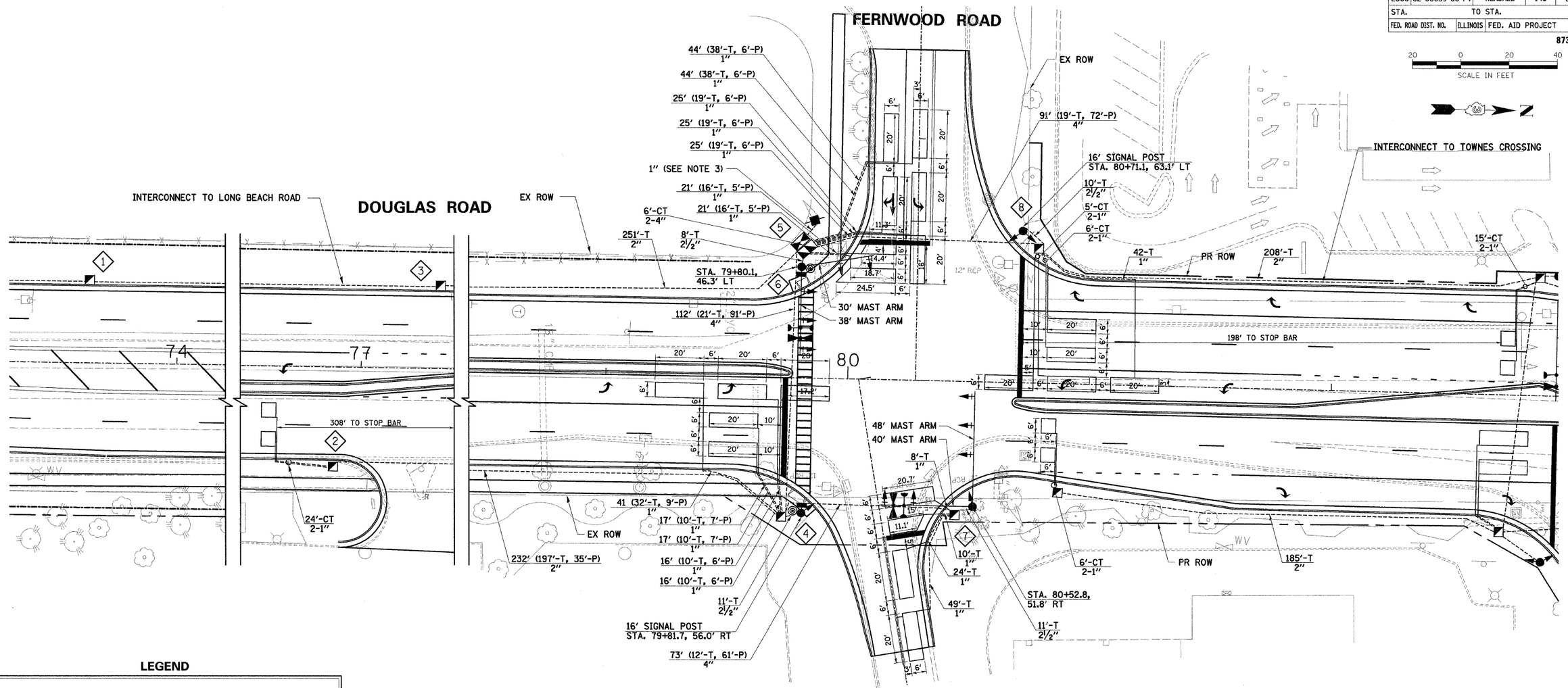
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2508	02-00039-00-PV	KENDALL	146	82
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

87333



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SCALE IN FEET

LEGEND

	EXISTING	PROPOSED
CONTROLLER CABINET		
SIGNAL POST (LENGTH AS INDICATED)		
SIGNAL FACE		
SIGNAL FACE WITH BACKPLATE		
MAST ARM ASSEMBLY AND POLE (LENGTH AS NOTED)		
COMBINATION MAST ARM ASSEMBLY AND POLE (LENGTH AS NOTED)		
HANDHOLE		
DOUBLE HANDHOLE		
HEAVY DUTY HANDHOLE	"E"	
GALVANIZED STEEL CONDUIT		
LOOP DETECTOR		
SERVICE INSTALLATION, TYPE B		
LIGHT DETECTOR		
CONFIRMATION BEACON		
TEMPORARY WOOD POLE (CLASS 5 OR BETTER) 45 FOOT (13.7m) MIN.		
JUNCTION BOX		
PEDESTRIAN SIGNAL HEAD		
PEDESTRIAN PUSHBUTTON		

#	EQUIPMENT ITEM	LOCATION
1	HANDHOLE	STA. 73+63.5, 34.5' LT
2	HANDHOLE	STA. 76+88.8, 41.1' RT
3	HANDHOLE	STA. 77+32.5, 34.5' LT
4	HANDHOLE	STA. 79+73.4, 57.7' RT
5	CONTROLLER	STA. 79+79.5, 56.7' LT
6	DOUBLE HANDHOLE	STA. 79+82.3, 53.6' LT
7	HANDHOLE	STA. 80+45.3, 55.5' RT
8	HANDHOLE	STA. 80+77.9, 56.0' LT

NOTES

1. THE EMERGENCY VEHICLE PREEMPTION EQUIPMENT FOR THIS PROJECT SHALL BE "3M OPTICOM".
2. THE TRAFFIC SIGNAL CONTROL EQUIPMENT FOR THIS PROJECT SHALL BE "EAGLE" BRAND TO MATCH ADJACENT SIGNALS.
3. SERVICE INSTALLATION LOCATION TO BE DETERMINED IN THE FIELD AT THE TIME OF CONSTRUCTION

ILLINOIS DEPARTMENT OF TRANSPORTATION

F.A.U. 2508 – DOUGLAS ROAD (U.S. RTE 34 TO U.S. RTE 30)

FERNWOOD ROAD

TRAFFIC SIGNAL INSTALLATION PLAN

SCALE: VERT.
HORIZ.
DATE

DRAWN BY
CHECKED BY

PLAN: DATE | BY | SURVEYED | DRAWN | ALIGNMENT CHECKED | GRADES CHECKED | B.M. NOTED | STRUCTURE NOTATIONS CHKD | NOTE BOOK | NO. | PLAN FILE NAME

PROFILE: DATE | BY | SURVEYED | DRAWN | GRADES CHECKED | B.M. NOTED | STRUCTURE NOTATIONS CHKD | NOTE BOOK | NO.

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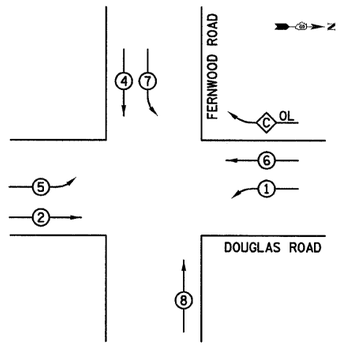
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2508	02-00039-00-PV	KENDALL	146	83
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

87333

CONTROLLER SEQUENCE

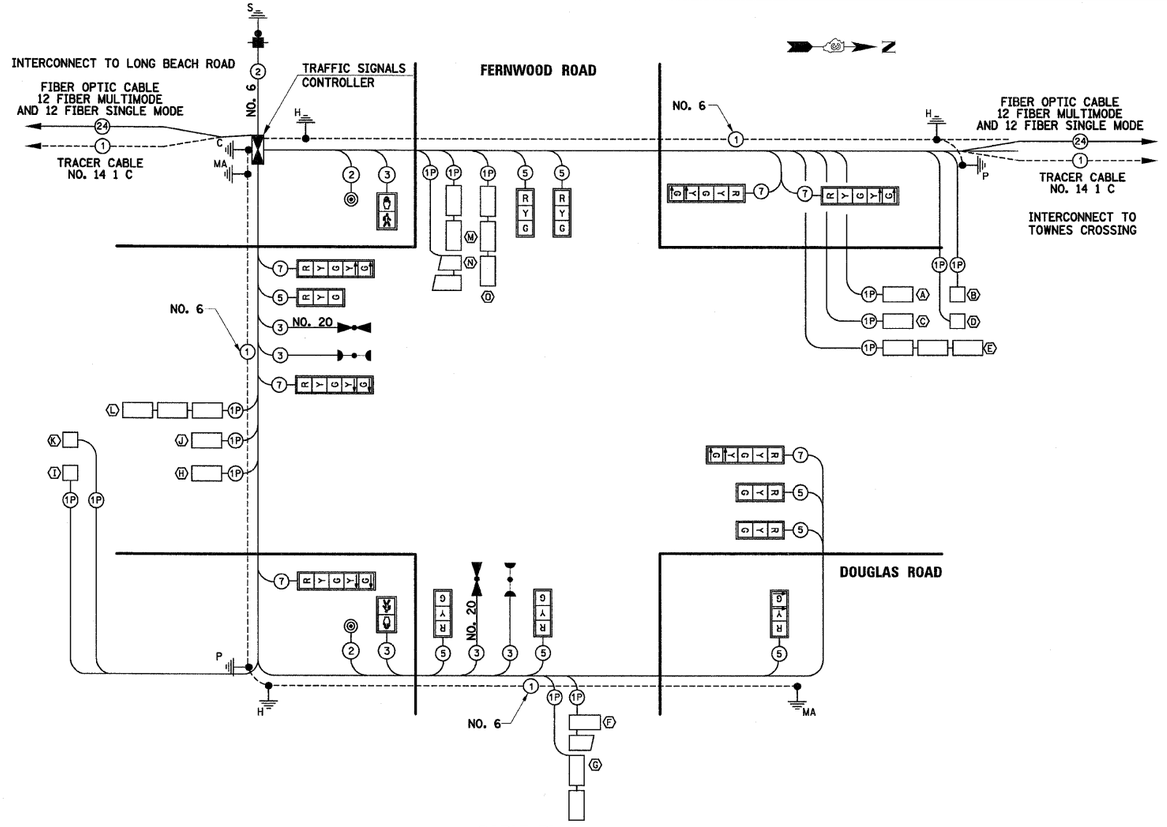


LEGEND

- VEHICULAR PHASE
- RIGHT-TURN OVERLAP
- NUMBER REFERRING TO ASSOCIATED PHASE

OVERLAP PHASE		PROTECTED PHASE		PERMISSIVE PHASE
C	=	7	+	6

PHASE DESIGNATION DIAGRAM



CABLE PLAN

SCHEDULE OF QUANTITIES

SIGN PANEL - TYPE 1	SQ FT	20
SIGN PANEL - TYPE 2	SQ FT	55
RELOCATE SIGN PANEL ASSEMBLY - TYPE B	EACH	
CONDUIT IN TRENCH, 1" DIA., GALVANIZED STEEL	FOOT	452
CONDUIT IN TRENCH, 2" DIA., GALVANIZED STEEL	FOOT	405
CONDUIT IN TRENCH, 2 1/2" DIA., GALVANIZED STEEL	FOOT	40
CONDUIT IN TRENCH, 4" DIA., GALVANIZED STEEL	FOOT	51
CONDUIT PUSHED, 1" DIA., GALVANIZED STEEL	FOOT	75
CONDUIT PUSHED, 2" DIA., GALVANIZED STEEL	FOOT	35
CONDUIT PUSHED, 2 1/2" DIA., GALVANIZED STEEL	FOOT	
CONDUIT PUSHED, 4" DIA., GALVANIZED STEEL	FOOT	224
HANDHOLE	EACH	4
DOUBLE HANDHOLE	EACH	1
TRENCH AND BACKFILL FOR ELECTRICAL WORK	FOOT	892
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
FULL-ACTUATED CONTROLLER AND TYPE IV CABINET, SPECIAL	EACH	1
UNINTERRUPTABLE POWER SUPPLY, EXTENDED	EACH	1
TRANSCEIVER - FIBER OPTIC	EACH	1
ELECTRIC CABLE IN CONDUIT, SIGNAL, NO. 14 2C	FOOT	193
ELECTRIC CABLE IN CONDUIT, SIGNAL, NO. 14 3C	FOOT	561
ELECTRIC CABLE IN CONDUIT, SIGNAL, NO. 14 5C	FOOT	1608
ELECTRIC CABLE IN CONDUIT, SIGNAL, NO. 14 7C	FOOT	905
ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 14 1 PAIR	FOOT	1928
ELECTRIC CABLE IN CONDUIT, SERVICE, NO. 6 2C	FOOT	50
TRAFFIC SIGNAL POST, GALVANIZED STEEL, 10 FT.	EACH	
TRAFFIC SIGNAL POST, GALVANIZED STEEL, 15 FT.	EACH	
TRAFFIC SIGNAL POST, GALVANIZED STEEL, 16 FT.	EACH	2
STEEL MAST ARM ASSEMBLY AND POLE, 32 FT.	EACH	
STEEL MAST ARM ASSEMBLY AND POLE, 34 FT.	EACH	
STEEL MAST ARM ASSEMBLY AND POLE, 40 FT.	EACH	
STEEL MAST ARM ASSEMBLY AND POLE, 42 FT.	EACH	
STEEL MAST ARM ASSEMBLY AND POLE, 44 FT.	EACH	
STEEL MAST ARM ASSEMBLY AND POLE, 48 FT.	EACH	
STEEL MAST ARM ASSEMBLY AND POLE, 52 FT.	EACH	
STEEL MAST ARM ASSEMBLY AND POLE WITH DUAL MAST ARMS, 30 FT. AND 38 FT.	EACH	1
STEEL MAST ARM ASSEMBLY AND POLE WITH DUAL MAST ARMS, 40 FT. AND 48 FT.	EACH	1
CONCRETE FOUNDATION, TYPE A	FOOT	8
CONCRETE FOUNDATION, TYPE C	FOOT	4
CONCRETE FOUNDATION, TYPE E, 36-INCH DIAMETER	FOOT	30
DRILL EXISTING HANDHOLE	EACH	
SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED	EACH	1
SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 3-SECTION, MAST ARM MOUNTED	EACH	5
SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 5-SECTION, BRACKET MOUNTED	EACH	
SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 5-SECTION, MAST ARM MOUNTED	EACH	5
PEDESTRIAN SIGNAL HEAD, LED, 1-FACE, POST MOUNTED	EACH	
PEDESTRIAN SIGNAL HEAD, LED, 1-FACE, BRACKET MOUNTED	EACH	2
TRAFFIC SIGNAL BACKPLATE, LOUVERED, FORMED PLASTIC	EACH	14
INDUCTIVE LOOP DETECTOR	EACH	15
DETECTOR LOOP, TYPE I	FOOT	1689
LIGHT DETECTOR	EACH	2
LIGHT DETECTOR AMPLIFIER	EACH	1
PEDESTRIAN PUSH-BUTTON	EACH	2
TEMPORARY TRAFFIC SIGNAL INSTALLATION	EACH	1
MODIFY EXISTING CONTROLLER	EACH	
REMOVE ELECTRIC CABLE FROM CONDUIT	FOOT	
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
ELECTRIC CABLE IN CONDUIT, TRACER, NO. 14 1C	FOOT	
FIBER OPTIC CABLE IN CONDUIT, NO. 62.5/125, MM12F SM12F	FOOT	
SERVICE INSTALLATION - GROUND MOUNTED	EACH	1
ELECTRIC CABLE IN CONDUIT, GROUNDING, NO.6 1C	FOOT	400
ELECTRIC CABLE IN CONDUIT, NO.20 3C, TWISTED, SHIELDED	FOOT	363
RE-OPTIMIZE TRAFFIC SIGNAL SYSTEM	L SUM	
REMOVE EXISTING HANDHOLE	EACH	

DOUGLAS ROAD AT FERNWOOD ROAD ELECTRICAL LOAD CHART

DOUGLAS ROAD

INDICATION	NUMBER	WATTAGE EACH	BURN TIME (%)
RED	8	10	35
YELLOW	8	22	5
GREEN	8	12	60
YELLOW ARROW	7	10	5
GREEN ARROW	7	5	30

FERNWOOD ROAD

RED	5	10	60
YELLOW	5	22	5
GREEN	5	12	35

TRAFFIC SIGNAL CABINET

ITEM	NUMBER	WATTAGE EACH	BURN TIME (%)
CONTROLLER	2	6	100
LOOP DETECTORS	10	4	100
UPS	1	50	100

HIGHWAY LIGHTING

ITEM	NUMBER	WATTAGE EACH	BURN TIME (%)
CONTROLLER	1	6	100
LUMINAIRE	0	310	360 HRS/MONTH

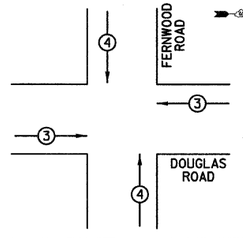
ENERGY COSTS TO: VILLAGE OF OSWEGO
113 MAIN STREET
OSWEGO, ILLINOIS 60543

ENERGY SUPPLY CONTACT: JOE STACHO
PHONE: 630-424-5704
COMPANY: COMMONWEALTH EDISON

CABLE DIAGRAM LEGEND

EXISTING	PROPOSED	
		CONTROLLER CABINET
		SERVICE INSTALLATION
		VEHICLE DETECTOR, INDUCTION LOOP
		LIGHT DETECTOR
		CONFIRMATION BEACON
(2)	(2)	DENOTES NUMBER OF CONDUCTORS. ALL CABLE NO. 14 EXCEPT AS INDICATED. ALL LOOP DETECTOR CABLE TO BE SHIELDED.
		LIGHTING UNIT
R	R	12" TRAFFIC SIGNAL SECTION
R Y G ←Y ←G "P"	R Y G ←Y ←G "P"	SIGNAL FACE WITH BACKPLATE. "P" INDICATES PROGRAMMED HEAD.
H/C	H/C	GROUND CABLE ROD AT HANDHOLE (H), DOUBLE HANDHOLE (H), OR CONTROLLER (C)
P/MA	P/MA	GROUND ROD AT POST (P) OR MAST ARM (MA)
S	S	GROUND ROD AT ELECTRIC SERVICE INSTALLATION
		12" (300mm) PEDESTRIAN SIGNAL SECTION
		PUSHBUTTON DETECTOR

EMERGENCY VEHICLE PRE-EMPTION SEQUENCE



PROPOSED EMERGENCY VEHICLE PREEMPTORS		
EMERGENCY VEHICLE PREEMPTOR	3	4
MOVEMENT	⇄	⇅

DOUGLAS ROAD AT FERNWOOD ROAD DETECTOR LOOP INDUCTANCE CHART

LOOP SYSTEM	PHASE	LABEL	NO. OF TURNS	INDUCTANCE (MICROHENRIES)	FREQUENCY (HERTZ)	J PIN STATUS
A	6	SB WSTBR	4	156	48798	OFF
B	6	SB WFAR	6	315	34413	ON
C	6	SB ESTBR	4	156	48798	OFF
D	6	SB EFAR	6	315	34413	ON
E	1	SBLT	4	315	34377	ON
F	8	WWB	4	289	35900	ON
G	8	EWB	4	306	34869	ON
H	2	NB ESTBR	4	174	46308	OFF
I	2	NB EFAR	6	455	28617	ON
J	2	NB WSTBR	4	174	46308	OFF
K	2	NB WFAR	6	378	31396	ON
L	5	NBLT	4	332	33472	ON
M	4	WEBRT	4	172	46475	ON
N	4	EEBRT	4	142	51203	ON
O	7	EBLT	4	252	38459	ON

NOTES

1. THE EMERGENCY VEHICLE PREEMPTION EQUIPMENT FOR THIS PROJECT SHALL BE "3M OPTICOM".
2. THE TRAFFIC SIGNAL CONTROL EQUIPMENT FOR THIS PROJECT SHALL BE "EAGLE" BRAND TO MATCH ADJACENT SIGNALS.

ILLINOIS DEPARTMENT OF TRANSPORTATION

F.A.U. 2508 – DOUGLAS ROAD (U.S. RTE 34 TO U.S. RTE 30)

FERNWOOD ROAD CABLE PLAN

SCALE: VERT. N.T.S. HORIZ.
DRAWN BY
DATE
CHECKED BY

PLAN — DATE | BY | SURVEYED | DRAWN | ALIGNMENT CHECKED | RT. OF WAY CHECKED | OLD FILE NAME | NOTE BOOK | NO.

PROFILE — DATE | BY | SURVEYED | DRAWN | GRADES CHECKED | B.M. NOTED | STRUCTURE NO(TATION) CHKD

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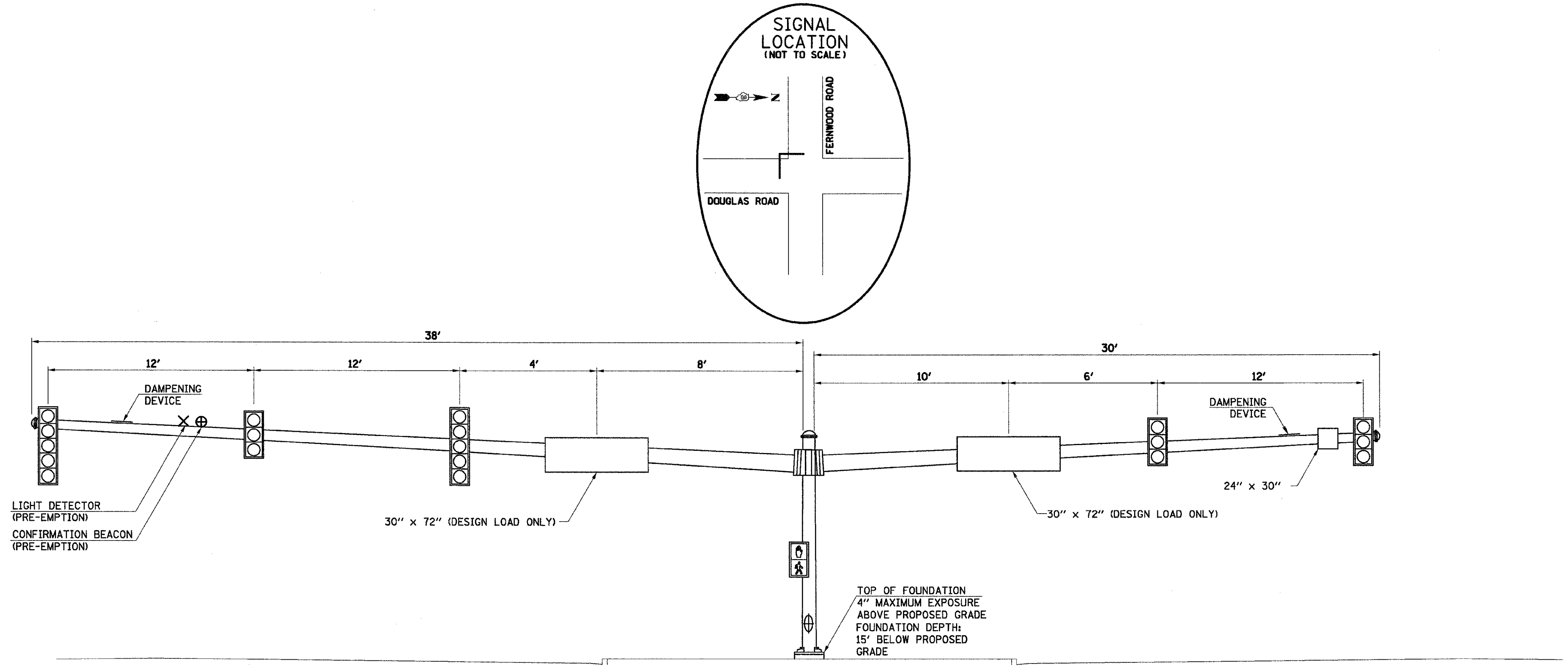
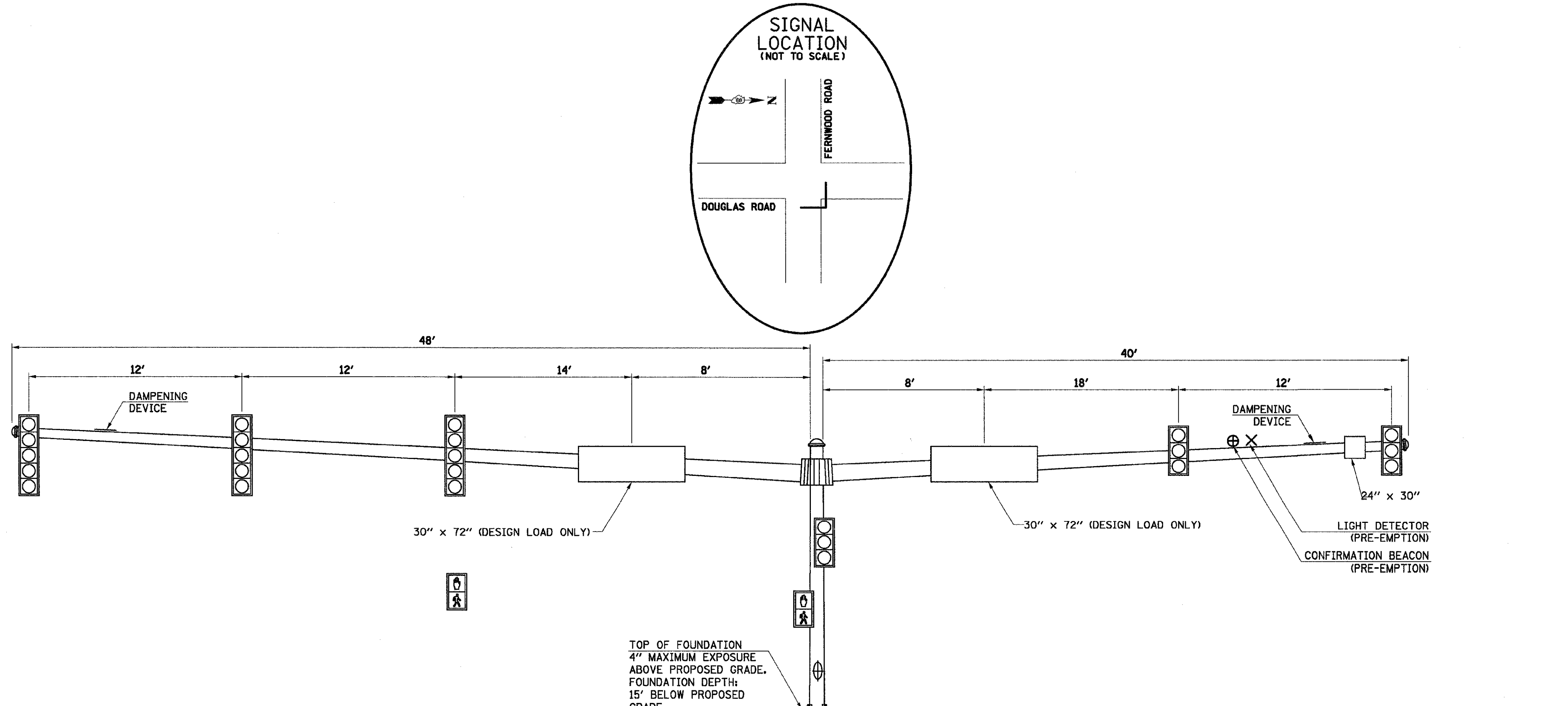
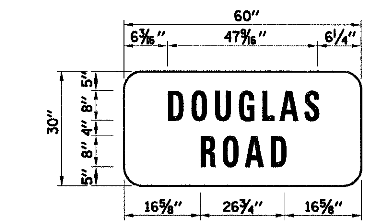
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2508	02-00039-00-PV	KENDALL	146	84
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

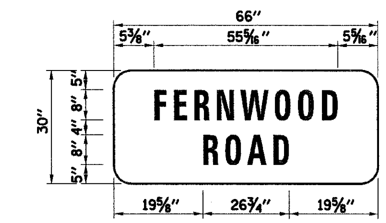
87333







12.50 SQ. FT. EACH
2 REQUIRED
DESIGN SERIES D



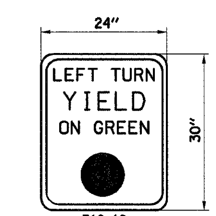
15.00 SQ. FT. EACH
2 REQUIRED
DESIGN SERIES D

STREET NAME SIGN DETAIL

THESE STREET NAME SIGNS SHALL BE PLACED ON THE MAST ARMS PARALLEL TO THE RESPECTIVE ROUTE AS DIRECTED BY THE ENGINEER.

STREET NAME SIGNS

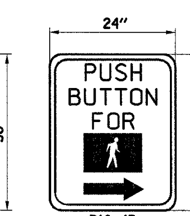
1. TYPE A SHEETING REQUIRED
2. WHITE LETTERING ON GREEN BACKGROUND
3. 3/4" WHITE BORDER



R10-12

TYPE "A" SHEETING REQUIRED

5.0 SQ. FT. EACH
2 REQUIRED



R10-4B

TYPE "A" SHEETING REQUIRED

5.0 SQ. FT. EACH
2 REQUIRED

LEFT TURN CONTROL SIGN DETAIL

THIS SIGN SHALL BE LOCATED 6 TO 12 INCHES TO THE RIGHT OF THE NORTHBOUND AND WESTBOUND MAST ARM MOUNTED LEFT TURN SIGNAL HEAD.

NOTES

1. ALL SIGNAL HEADS HAVE BACKPLATES.
2. ALL MAST ARM FOUNDATIONS TO BE 36" DIAMETER.
3. DAMPENING DEVICE SHALL CONSIST OF A 24" X 30" TYPE-I, UNPAINTED ALUMINUM SIGN STOCK MOUNTED HORIZONTALLY ON TOP OF MAST ARM WITH THE 30" LENGTH PERPENDICULAR TO THE ARM. COST OF THE DAMPENING DEVICE SHALL BE INCLUDED IN THE MAST ARM PAY ITEM.

ILLINOIS DEPARTMENT OF TRANSPORTATION

F.A.U. 2508 – DOUGLAS ROAD
(U.S. RTE 34 TO U.S. RTE 30)
FERNWOOD ROAD
MAST ARM LOADING DIAGRAMS
STREET SIGN DETAIL

SCALE: VERT. HORIZ. N.T.S.
DATE
DRAWN BY
CHECKED BY

PLAN: SURVEYED, PLOTTED, ALIGNMENT CHECKED, R.T. OF WAY CHECKED, CADD FILE NAME, NOTE BOOK NO., BY, DATE

PROFILE: SURVEYED, PLOTTED, GRADES CHECKED, B.M. NOTED, STRUCTURE NOTAT'NS CHKD, NOTE BOOK NO., BY, DATE

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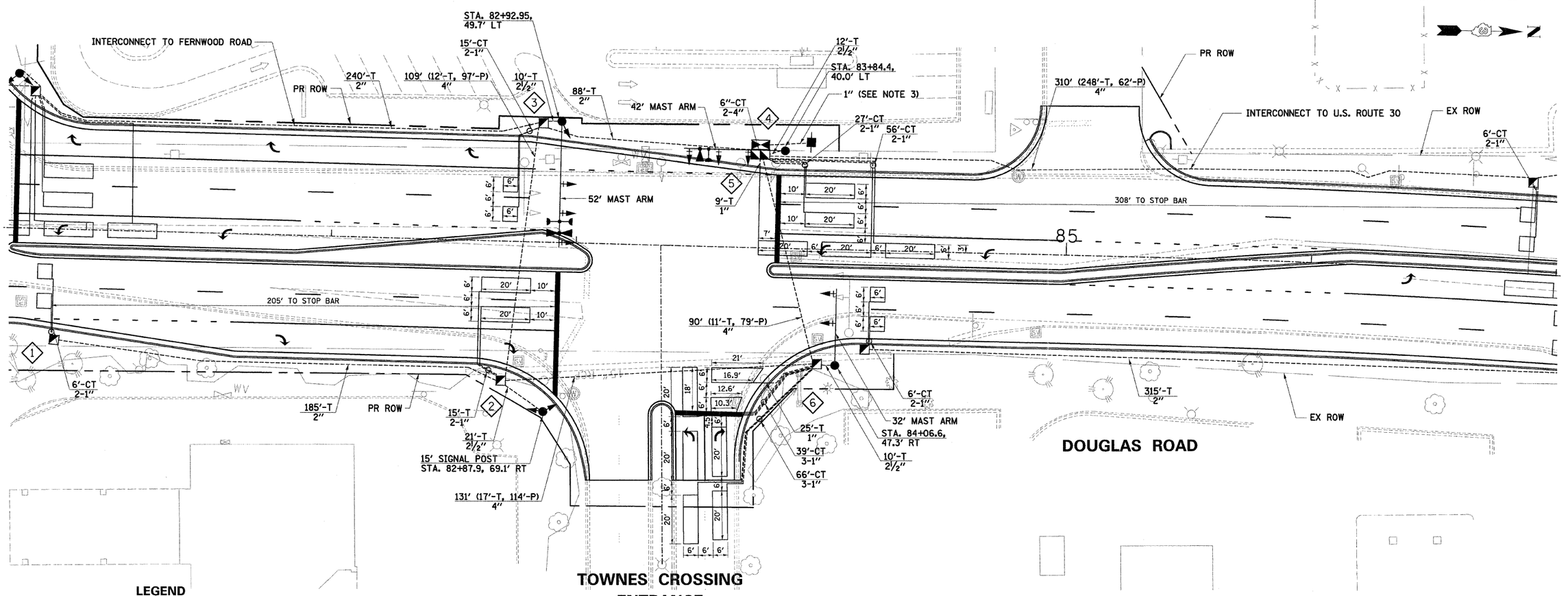
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2508	02-00039-00-PV	KENDALL	146	85
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

87333

SCALE IN FEET



LEGEND

	EXISTING	PROPOSED
CONTROLLER CABINET	⊠	⊠
SIGNAL POST (LENGTH AS INDICATED)	○	●
SIGNAL FACE	▷	→
SIGNAL FACE WITH BACKPLATE	▷	→
MAST ARM ASSEMBLY AND POLE (LENGTH AS NOTED)	○—	●—
COMBINATION MAST ARM ASSEMBLY AND POLE (LENGTH AS NOTED)	○—	●—
HANDHOLE	▧	◪
DOUBLE HANDHOLE	▨	◪
HEAVY DUTY HANDHOLE	H "E"	H
GALVANIZED STEEL CONDUIT	═	—
LOOP DETECTOR	⬚	□
SERVICE INSTALLATION, TYPE B	⊟	■
LIGHT DETECTOR		◂
CONFIRMATION BEACON		◂●
TEMPORARY WOOD POLE (CLASS 5 OR BETTER) 45 FOOT (13.7m) MIN.	⊗	⊗
JUNCTION BOX		⊠
PEDESTRIAN SIGNAL HEAD	▯	▮
PEDESTRIAN PUSHBUTTON	◎	◉

#	EQUIPMENT ITEM	LOCATION
1	HANDHOLE	STA. 80+87.8, 45.1' RT
2	HANDHOLE	STA. 82+70.5, 56.9' RT
3	HANDHOLE	STA. 82+85.5, 48.8' LT
4	CONTROLLER	STA. 83+74.2, 38.1' LT
5	DOUBLE HANDHOLE	STA. 83+74.3, 42.3' LT
6	HANDHOLE	STA. 83+99.2, 46.9' RT

NOTES

1. THE EMERGENCY VEHICLE PREEMPTION EQUIPMENT FOR THIS PROJECT SHALL BE "3M OPTICOM".
2. THE TRAFFIC SIGNAL CONTROL EQUIPMENT FOR THIS PROJECT SHALL BE "EAGLE" BRAND TO MATCH ADJACENT SIGNALS.
3. SERVICE INSTALLATION LOCATION TO BE DETERMINED IN THE FIELD AT THE TIME OF CONSTRUCTION

ILLINOIS DEPARTMENT OF TRANSPORTATION

F.A.U. 2508 – DOUGLAS ROAD (U.S. RTE 34 TO U.S. RTE 30) TOWNES CROSSING ENTRANCE TRAFFIC SIGNAL INSTALLATION PLAN

SCALE: VERT. HORIZ.
DATE
DRAWN BY
CHECKED BY

PLAN: SURVEYED, PLOTTED, ALIGNMENT CHECKED, RT. OF WAY CHECKED, ROAD TIER NAME, NOTE BOOK, NO., BY, DATE

PROFILE: SURVEYED, PLOTTED, GRADES CHECKED, BM& NOTED, STRUCTURE NOTATIONS CHKD, NOTE BOOK, NO., BY, DATE

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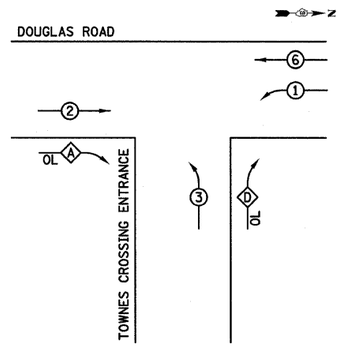
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2508	02-00039-00-PV	KENDALL	146	86
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

87333

CONTROLLER SEQUENCE

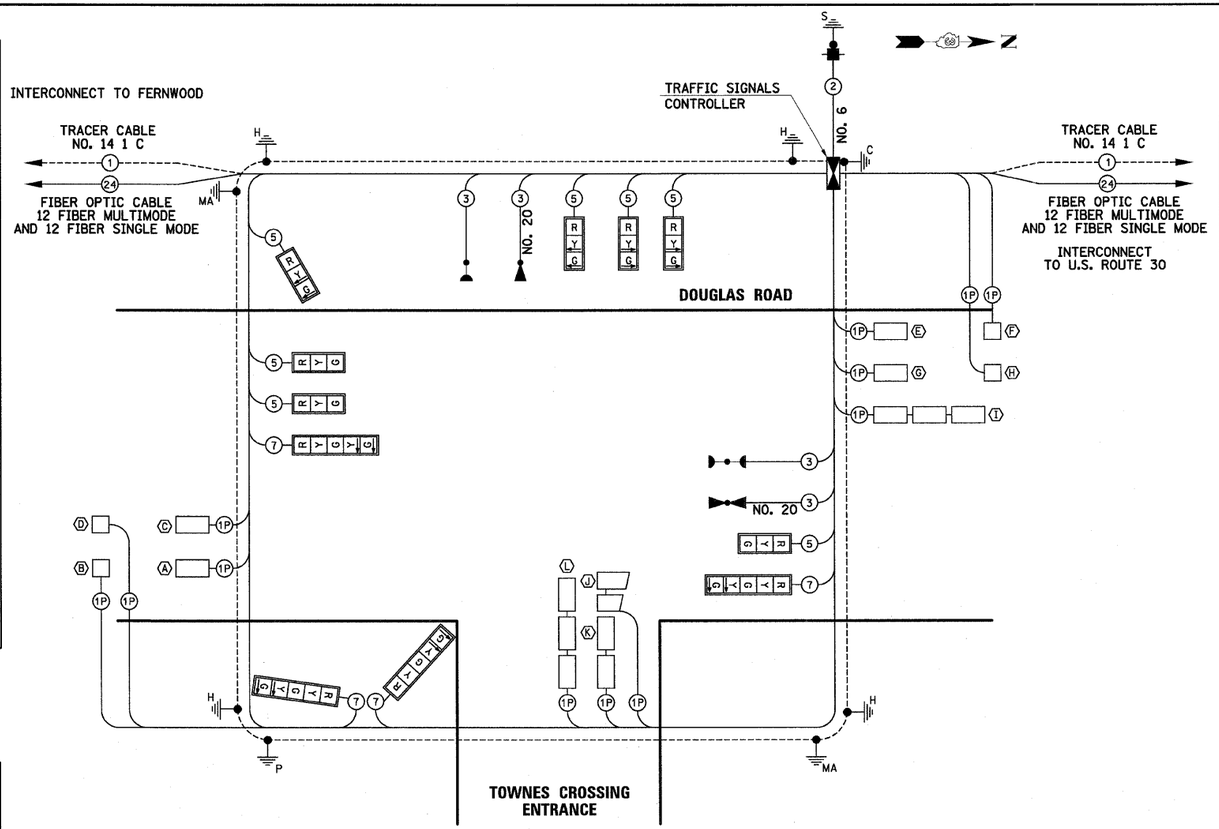


LEGEND

- VEHICULAR PHASE
- RIGHT-TURN OVERLAP
- * NUMBER REFERRING TO ASSOCIATED PHASE

OVERLAP PHASE		PERMISSIVE PHASE		PROTECTED PHASE
A	=	2	+	3
D	=	3	+	1

PHASE DESIGNATION DIAGRAM



CABLE PLAN

SCHEDULE OF QUANTITIES

SIGN PANEL - TYPE 1	SQ FT	5
SIGN PANEL - TYPE 2	SQ FT	37.5
RELOCATE SIGN PANEL ASSEMBLY - TYPE B	EACH	
CONDUIT IN TRENCH, 1" DIA., GALVANIZED STEEL	FOOT	569
CONDUIT IN TRENCH, 2" DIA., GALVANIZED STEEL	FOOT	273
CONDUIT IN TRENCH, 2 1/2" DIA., GALVANIZED STEEL	FOOT	53
CONDUIT IN TRENCH, 4" DIA., GALVANIZED STEEL	FOOT	300
CONDUIT PUSHED, 1" DIA., GALVANIZED STEEL	FOOT	
CONDUIT PUSHED, 2" DIA., GALVANIZED STEEL	FOOT	
CONDUIT PUSHED, 2 1/2" DIA., GALVANIZED STEEL	FOOT	
CONDUIT PUSHED, 4" DIA., GALVANIZED STEEL	FOOT	352
HANDHOLE	EACH	5
DOUBLE HANDHOLE	EACH	1
TRENCH AND BACKFILL FOR ELECTRICAL WORK	FOOT	854
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
FULL-ACTUATED CONTROLLER AND TYPE IV CABINET, SPECIAL	EACH	1
UNINTERRUPTABLE POWER SUPPLY, EXTENDED	EACH	1
TRANSCEIVER - FIBER OPTIC	EACH	1
ELECTRIC CABLE IN CONDUIT, SIGNAL, NO. 14 2C	FOOT	
ELECTRIC CABLE IN CONDUIT, SIGNAL, NO. 14 3C	FOOT	239
ELECTRIC CABLE IN CONDUIT, SIGNAL, NO. 14 5C	FOOT	903
ELECTRIC CABLE IN CONDUIT, SIGNAL, NO. 14 7C	FOOT	887
ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 14 1 PAIR	FOOT	1926
ELECTRIC CABLE IN CONDUIT, SERVICE, NO. 6 2C	FOOT	50
TRAFFIC SIGNAL POST, GALVANIZED STEEL, 10 FT.	EACH	
TRAFFIC SIGNAL POST, GALVANIZED STEEL, 15 FT.	EACH	1
TRAFFIC SIGNAL POST, GALVANIZED STEEL, 16 FT.	EACH	
STEEL MAST ARM ASSEMBLY AND POLE, 32 FT.	EACH	1
STEEL MAST ARM ASSEMBLY AND POLE, 34 FT.	EACH	
STEEL MAST ARM ASSEMBLY AND POLE, 40 FT.	EACH	
STEEL MAST ARM ASSEMBLY AND POLE, 42 FT.	EACH	1
STEEL MAST ARM ASSEMBLY AND POLE, 44 FT.	EACH	
STEEL MAST ARM ASSEMBLY AND POLE, 48 FT.	EACH	
STEEL MAST ARM ASSEMBLY AND POLE, 52 FT.	EACH	1
STEEL MAST ARM ASSEMBLY AND POLE WITH DUAL MAST ARMS, 30 FT. AND 38 FT.	EACH	
STEEL MAST ARM ASSEMBLY AND POLE WITH DUAL MAST ARMS, 40 FT. AND 48 FT.	EACH	
CONCRETE FOUNDATION, TYPE A	FOOT	4
CONCRETE FOUNDATION, TYPE C	FOOT	4
CONCRETE FOUNDATION, TYPE E, 36-INCH DIAMETER	FOOT	39
DRILL EXISTING HANDHOLE	EACH	
SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED	EACH	1
SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 3-SECTION, MAST ARM MOUNTED	EACH	5
SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 5-SECTION, BRACKET MOUNTED	EACH	
SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 5-SECTION, MAST ARM MOUNTED	EACH	3
PEDESTRIAN SIGNAL HEAD, LED, 1-FACE, POST MOUNTED	EACH	
PEDESTRIAN SIGNAL HEAD, LED, 1-FACE, BRACKET MOUNTED	EACH	
TRAFFIC SIGNAL BACKPLATE, LOUVERED, FORMED PLASTIC	EACH	11
INDUCTIVE LOOP DETECTOR	EACH	12
DETECTOR LOOP, TYPE I	FOOT	1116
LIGHT DETECTOR	EACH	2
LIGHT DETECTOR AMPLIFIER	EACH	1
PEDESTRIAN PUSH-BUTTON	EACH	
TEMPORARY TRAFFIC SIGNAL INSTALLATION	EACH	1
MODIFY EXISTING CONTROLLER	EACH	
REMOVE ELECTRIC CABLE FROM CONDUIT	FOOT	
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
ELECTRIC CABLE IN CONDUIT, TRACER, NO. 14 1C	FOOT	
FIBER OPTIC CABLE IN CONDUIT, NO. 62.5/125, MM12F SM12F	FOOT	
SERVICE INSTALLATION - GROUND MOUNTED	EACH	1
ELECTRIC CABLE IN CONDUIT, GROUNDING, NO.6 1C	FOOT	449
ELECTRIC CABLE IN CONDUIT, NO.20 3C, TWISTED, SHIELDED	FOOT	248
RE-OPTIMIZE TRAFFIC SIGNAL SYSTEM	L SUM	
REMOVE EXISTING HANDHOLE	EACH	

DOUGLAS ROAD AT TOWNES CROSSING ENTRANCE ELECTRICAL LOAD CHART

DOUGLAS ROAD

INDICATION	NUMBER	WATTAGE EACH	BURN TIME (%)
RED	7	10	35
YELLOW	7	22	5
GREEN	7	12	60
YELLOW ARROW	4	10	5
GREEN ARROW	4	5	30

TOWNES CROSSING ENTRANCE

RED	4	10	60
YELLOW ARROW	4	10	5
GREEN ARROW	4	5	35

TRAFFIC SIGNAL CABINET

ITEM	NUMBER	WATTAGE EACH	BURN TIME (%)
CONTROLLER	2	6	100
LOOP DETECTORS	11	4	100
UPS	1	50	100

HIGHWAY LIGHTING

ITEM	NUMBER	WATTAGE EACH	BURN TIME (%)
CONTROLLER	1	6	100
LUMINAIRE	2	310	360 HRS/MONTH

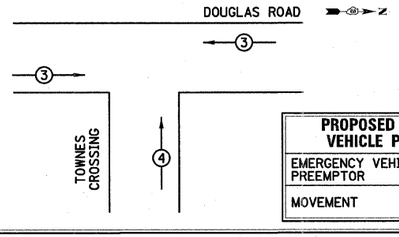
ENERGY COSTS TO: VILLAGE OF OSWEGO
113 MAIN STREET
OSWEGO, ILLINOIS 60543

ENERGY SUPPLY CONTACT: JOE STACHO
PHONE: 630-424-5704
COMPANY: COMMONWEALTH EDISON

CABLE DIAGRAM LEGEND

EXISTING	PROPOSED	
		CONTROLLER CABINET
		SERVICE INSTALLATION
		VEHICLE DETECTOR, INDUCTION LOOP
		LIGHT DETECTOR
		CONFIRMATION BEACON
(2)	(2)	DENOTES NUMBER OF CONDUCTORS. ALL CABLE NO. 14 EXCEPT AS INDICATED. ALL LOOP DETECTOR CABLE TO BE SHIELDED.
		LIGHTING UNIT
R	R	12" TRAFFIC SIGNAL SECTION
R Y G ← Y G "P"	R Y G ← Y G "P"	SIGNAL FACE WITH BACKPLATE. "P" INDICATES PROGRAMMED HEAD.
H/C	H/C	GROUND CABLE ROD AT HANDHOLE (H), DOUBLE HANDHOLE (H), OR CONTROLLER (C)
P/MA	P/MA	GROUND ROD AT POST (P) OR MAST ARM (MA)
S	S	GROUND ROD AT ELECTRIC SERVICE INSTALLATION
		12" (300mm) PEDESTRIAN SIGNAL SECTION
		PUSHBUTTON DETECTOR

EMERGENCY VEHICLE PRE-EMPTION SEQUENCE



PROPOSED EMERGENCY VEHICLE PREEMPTORS		
EMERGENCY VEHICLE PREEMPTOR	3	4
MOVEMENT	←	↑

DOUGLAS ROAD AT TOWNES CROSSING ENTRANCE DETECTOR LOOP INDUCTANCE CHART

LOOP SYSTEM	PHASE	LABEL	NO. OF TURNS	INDUCTANCE (MICROHENRIES)	FREQUENCY (HERTZ)	J PIN STATUS
A	2	NB ESTBR	4	236	39700	OFF
B	2	NB EFAR	5	336	33272	ON
C	2	NB WSTBR	4	236	39700	OFF
D	2	NB WFAR	5	336	33272	ON
E	6	SB WSTBR	4	93	63264	OFF
F	6	SB WFAR	5	297	35422	ON
G	6	SB ESTBR	4	93	63264	OFF
H	6	SB EFAR	5	297	35422	ON
I	1	SBLT	4	252	38459	ON
J	D	WWBRT	4	211	41986	ON
K	D	EWBRT	4	238	39563	ON
L	3	WBLT	4	317	34260	ON

NOTES

1. THE EMERGENCY VEHICLE PREEMPTION EQUIPMENT FOR THIS PROJECT SHALL BE "3M OPTICOM".
2. THE TRAFFIC SIGNAL CONTROL EQUIPMENT FOR THIS PROJECT SHALL BE "EAGLE" BRAND TO MATCH ADJACENT SIGNALS.

ILLINOIS DEPARTMENT OF TRANSPORTATION

F.A.U. 2508 – DOUGLAS ROAD (U.S. RTE 34 TO U.S. RTE 30)

TOWNES CROSSING ENTRANCE CABLE PLAN

SCALE: VERT. N.T.S. HORIZ.
DATE
DRAWN BY
CHECKED BY

PLAN: DATE | BY | SURVEYED | DRAWN | ALIGNMENT CHECKED | GRADES CHECKED | FIELD BK. NO. | ROAD FILE NAME | NOTE BOOK | NO.

PROFILE: DATE | BY | SURVEYED | DRAWN | GRADES CHECKED | BAL. NOTED | STRUCTURE NOTATIONS CHKD | NOTE BOOK | NO.

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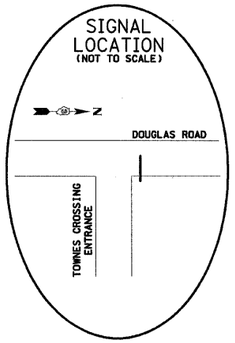
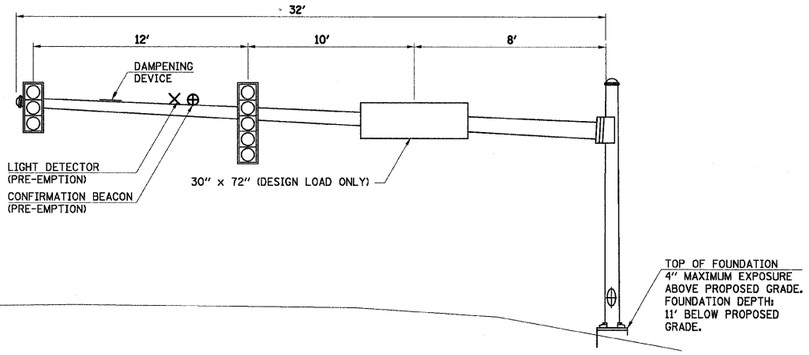
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2508	02-00039-00-PV	KENDALL	146	87
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

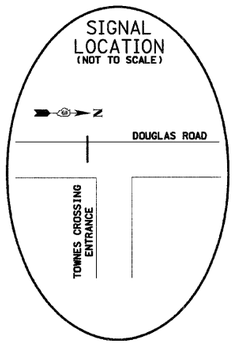
87333

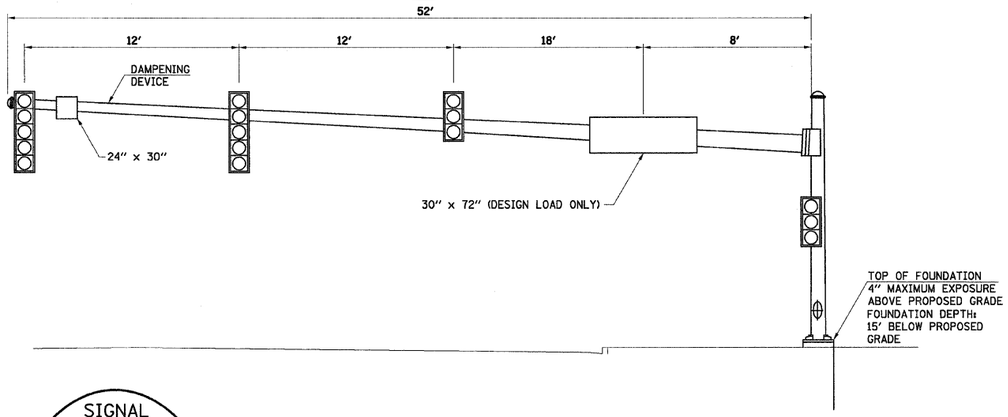
PLAN — DATE / BY / SURVEYED / DRAWN / ALIGNMENT CHECKED / PT. OF BEG. CHECKED / NOTE BOOK / NO. / ROAD ILL. MARK

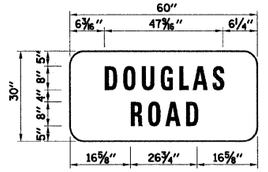
PROFILE — DATE / BY / SURVEYED / DRAWN / GRADES CHECKED / BEAM NOTED / STRUCTURE NOTATIONS CHKD / NOTE BOOK / NO.



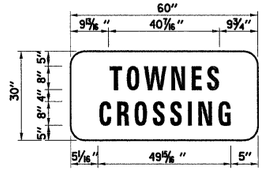








12.50 SQ. FT. EACH
1 REQUIRED
DESIGN SERIES D



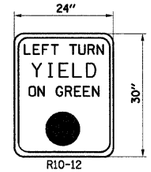
12.50 SQ. FT. EACH
2 REQUIRED
DESIGN SERIES D

STREET NAME SIGN DETAIL

THESE STREET NAME SIGNS SHALL BE PLACED ON THE MAST ARMS PARALLEL TO THE RESPECTIVE ROUTE AS DIRECTED BY THE ENGINEER.

STREET NAME SIGNS

1. TYPE A SHEETING REQUIRED
2. WHITE LETTERING ON GREEN BACKGROUND
3. 3/4" WHITE BORDER

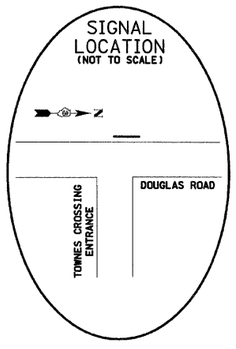


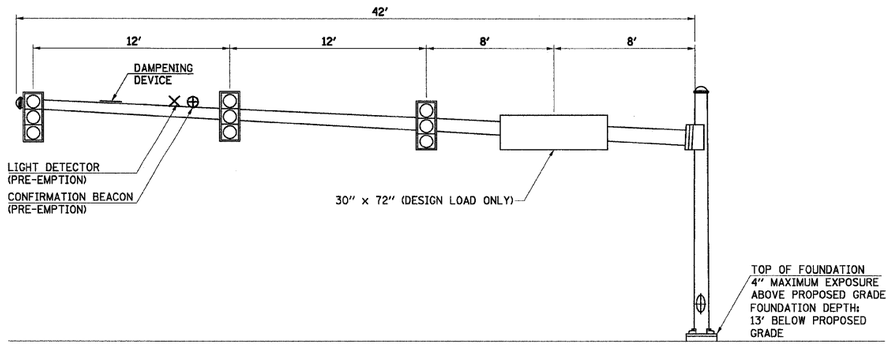
TYPE "A" SHEETING REQUIRED

5.0 SQ. FT. EACH
1 REQUIRED

LEFT TURN CONTROL SIGN DETAIL

THIS SIGN SHALL BE LOCATED 6 TO 12 INCHES TO THE RIGHT OF THE SOUTHBOUND MAST ARM MOUNTED LEFT TURN SIGNAL HEAD.





NOTES

1. ALL SIGNAL HEADS HAVE BACKPLATES.
2. ALL MAST ARM FOUNDATIONS TO BE 36" DIAMETER.
3. DAMPENING DEVICE SHALL CONSIST OF A 24" X 30" TYPE-I, UNPAINTED ALUMINUM SIGN STOCK MOUNTED HORIZONTALLY ON TOP OF MAST ARM WITH THE 30" LENGTH PERPENDICULAR TO THE ARM. COST OF THE DAMPENING DEVICE SHALL BE INCLUDED IN THE MAST ARM PAY ITEM.

ILLINOIS DEPARTMENT OF TRANSPORTATION

F.A.U. 2508 – DOUGLAS ROAD (U.S. RTE 34 TO U.S. RTE 30)

TOWNES CROSSING ENTRANCE

MAST ARM LOADING DIAGRAMS

STREET SIGN DETAIL

SCALE: VERT. / HORIZ. N.T.S. — DRAWN BY

DATE — CHECKED BY

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F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2508	02-00039-00-PV	KENDALL	146	88
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

87333

20 0 20 40
SCALE IN FEET

LEGEND

	EXISTING	PROPOSED
CONTROLLER CABINET	⊠	■
SIGNAL POST (LENGTH AS INDICATED)	○	●
SIGNAL FACE	▷	→
SIGNAL FACE WITH BACKPLATE	▷	→
MAST ARM ASSEMBLY AND POLE (LENGTH AS NOTED)	○—	●—
COMBINATION MAST ARM ASSEMBLY AND POLE (LENGTH AS NOTED)	○—	●—
HANDHOLE	▨	▨
DOUBLE HANDHOLE	▨▨	▨▨
HEAVY DUTY HANDHOLE	▨ E"	▨
GALVANIZED STEEL CONDUIT	═	═
LOOP DETECTOR	⬚	□
SERVICE INSTALLATION, TYPE B	⊟	▫
LIGHT DETECTOR		▬
CONFIRMATION BEACON		●▬
TEMPORARY WOOD POLE (CLASS 5 OR BETTER) 45 FOOT (13.7m) MIN.	⊗	⊗
JUNCTION BOX		⊡
PEDESTRIAN SIGNAL HEAD	▯	▮
PEDESTRIAN PUSHBUTTON	◎	◉

PLAN
SURVEYED
DRAWN
ALIGNMENT CHECKED
RT. OF WAY CHECKED
NOTE BOOK
NO.
BY DATE

PROFILE
SURVEYED
DRAWN
GRADES CHECKED
B.M. NOTED
STRUCTURE NOTATIONS CHKD
NOTE BOOK
NO.
BY DATE

OLD POST ROAD
DOUGLAS ROAD
EX ROW
EXISTING CONTROLLER AND CABINET TO REMAIN
94′ (27′-T, 67′-P) 4″
29′ (23′-T, 6′-P) 1″
29′ (23′-T, 6′-P) 1″
16′ (11′-T, 5′-P) 1″
29′ (23′-T, 6′-P) 1″
23′ (17′-T, 6′-P) 1″
23′ (17′-T, 6′-P) 1″
23′ (17′-T, 6′-P) 1″
121′ (52′-T, 69′-P) 4″
44′ MAST ARM
33′ (19′-T, 14′-P) 1″
33′ (19′-T, 14′-P) 1″
33′ (19′-T, 14′-P) 1″
18′-T 2½″
STA. 23+40.4, 51.6′ LT
42′ (30′-T, 12′-P) 1″
47′ (35′-T, 12′-P) 1″
220′ (205′-T, 15′-P) 2″
MATCHLINE STA 25+00
MATCHLINE STA 25+00
308′ TO STOP BAR
279′-T 2″
22′-T 1″
21′-T 1″
20′-CT 3-1″
10′-CT 3-1″
11′-CT 3-1″
104′ (36′-T, 68′-P) 4″
155′-T 2″
15′-CT 2-1″
15′-CT 2-1″
EX ROW
EX ROW
EX ROW
EX ROW
EX ROW
18" RCP
15" RCP
12" RCP
500

#	EQUIPMENT ITEM	LOCATION
1	HANDHOLE	STA. 19+78.5, 37.3′ RT
2	DOUBLE HANDHOLE	STA. 22+55.7, 57.0′ LT
3	HANDHOLE	STA. 23+30.7, 67.3′ LT
4	HANDHOLE	STA. 26+81.2, 39.3′ LT
5	HANDHOLE	STA. 23+27.2, 39.1′ LT

NOTES

1. THE EMERGENCY VEHICLE PREEMPTION EQUIPMENT FOR THIS PROJECT SHALL BE "3M OPTICOM".

ILLINOIS DEPARTMENT OF TRANSPORTATION

F.A.U. 2508 – DOUGLAS ROAD (U.S. RTE 34 TO U.S. RTE 30)

OLD POST ROAD

TRAFFIC SIGNAL INSTALLATION PLAN

SCALE: VERT.
HORIZ.
DATE

DRAWN BY
CHECKED BY

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3/28/2007
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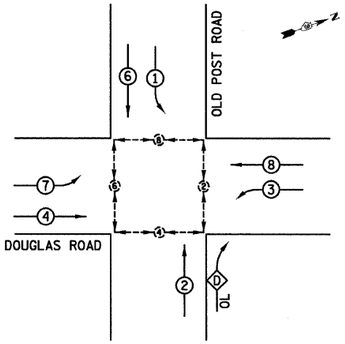
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2508	02-00039-00-PV	KENDALL	146	89
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

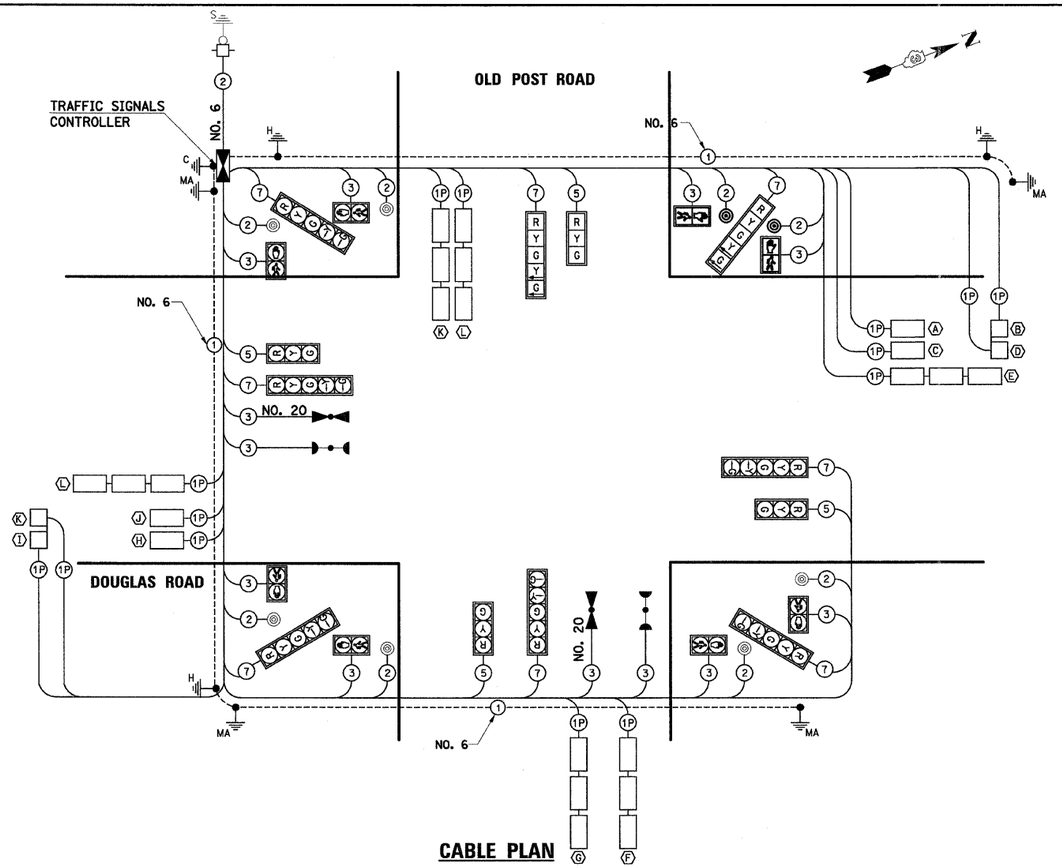
87333

CONTROLLER SEQUENCE



LEGEND	OVERLAP PHASE	PROTECTED PHASE	PERMISSIVE PHASE
VEHICULAR PHASE	D	= 3	+ 2
RIGHT-TURN OVERLAP			
* NUMBER REFERRING TO ASSOCIATED PHASE			

PHASE DESIGNATION DIAGRAM



CABLE PLAN

SCHEDULE OF QUANTITIES

SIGN PANEL - TYPE 1	SQ FT	
SIGN PANEL - TYPE 2	SQ FT	
RELOCATE SIGN PANEL ASSEMBLY - TYPE B	EACH	1
CONDUIT IN TRENCH, 1" DIA., GALVANIZED STEEL	FOOT	479
CONDUIT IN TRENCH, 2" DIA., GALVANIZED STEEL	FOOT	639
CONDUIT IN TRENCH, 2 1/2" DIA., GALVANIZED STEEL	FOOT	10
CONDUIT IN TRENCH, 4" DIA., GALVANIZED STEEL	FOOT	167
CONDUIT PUSHED, 1" DIA., GALVANIZED STEEL	FOOT	107
CONDUIT PUSHED, 2" DIA., GALVANIZED STEEL	FOOT	15
CONDUIT PUSHED, 2 1/2" DIA., GALVANIZED STEEL	FOOT	
CONDUIT PUSHED, 4" DIA., GALVANIZED STEEL	FOOT	273
HANDHOLE	EACH	3
DOUBLE HANDHOLE	EACH	1
TRENCH AND BACKFILL FOR ELECTRICAL WORK	FOOT	1183
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
FULL-ACTUATED CONTROLLER AND TYPE IV CABINET, SPECIAL	EACH	
UNINTERRUPTABLE POWER SUPPLY, EXTENDED	EACH	1
TRANSCEIVER - FIBER OPTIC	EACH	
ELECTRIC CABLE IN CONDUIT, SIGNAL, NO. 14 2C	FOOT	667
ELECTRIC CABLE IN CONDUIT, SIGNAL, NO. 14 3C	FOOT	987
ELECTRIC CABLE IN CONDUIT, SIGNAL, NO. 14 5C	FOOT	763
ELECTRIC CABLE IN CONDUIT, SIGNAL, NO. 14 7C	FOOT	1601
ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 14 1 PAIR	FOOT	2709
ELECTRIC CABLE IN CONDUIT, SERVICE, NO. 6 2C	FOOT	
TRAFFIC SIGNAL POST, GALVANIZED STEEL, 10 FT.	EACH	
TRAFFIC SIGNAL POST, GALVANIZED STEEL, 15 FT.	EACH	
TRAFFIC SIGNAL POST, GALVANIZED STEEL, 16 FT.	EACH	
STEEL MAST ARM ASSEMBLY AND POLE, 32 FT.	EACH	
STEEL MAST ARM ASSEMBLY AND POLE, 34 FT.	EACH	
STEEL MAST ARM ASSEMBLY AND POLE, 40 FT.	EACH	
STEEL MAST ARM ASSEMBLY AND POLE, 42 FT.	EACH	
STEEL MAST ARM ASSEMBLY AND POLE, 44 FT.	EACH	1
STEEL MAST ARM ASSEMBLY AND POLE, 48 FT.	EACH	
STEEL MAST ARM ASSEMBLY AND POLE, 52 FT.	EACH	
STEEL MAST ARM ASSEMBLY AND POLE WITH DUAL MAST ARMS, 30 FT. AND 38 FT.	EACH	
STEEL MAST ARM ASSEMBLY AND POLE WITH DUAL MAST ARMS, 40 FT. AND 48 FT.	EACH	
CONCRETE FOUNDATION, TYPE A	FOOT	
CONCRETE FOUNDATION, TYPE C	FOOT	
CONCRETE FOUNDATION, TYPE E, 36-INCH DIAMETER	FOOT	11
DRILL EXISTING HANDHOLE	EACH	1
SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED	EACH	
SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 3-SECTION, MAST ARM MOUNTED	EACH	1
SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 5-SECTION, BRACKET MOUNTED	EACH	1
SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 5-SECTION, MAST ARM MOUNTED	EACH	1
PEDESTRIAN SIGNAL HEAD, LED, 1-FACE, POST MOUNTED	EACH	
PEDESTRIAN SIGNAL HEAD, LED, 1-FACE, BRACKET MOUNTED	EACH	1
TRAFFIC SIGNAL BACKPLATE, LOUVERED, FORMED PLASTIC	EACH	3
INDUCTIVE LOOP DETECTOR	EACH	14
DETECTOR LOOP, TYPE I	FOOT	2262
LIGHT DETECTOR	EACH	2
LIGHT DETECTOR AMPLIFIER	EACH	1
PEDESTRIAN PUSH-BUTTON	EACH	1
TEMPORARY TRAFFIC SIGNAL INSTALLATION	EACH	1
MODIFY EXISTING CONTROLLER	EACH	1
REMOVE ELECTRIC CABLE FROM CONDUIT	FOOT	1836
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
ELECTRIC CABLE IN CONDUIT, TRACER, NO. 14 1C	FOOT	
FIBER OPTIC CABLE IN CONDUIT, NO. 62.5/125, MM12F SM12F	FOOT	
SERVICE INSTALLATION - GROUND MOUNTED	EACH	
ELECTRIC CABLE IN CONDUIT, GROUNDING, NO.6 1C	FOOT	434
ELECTRIC CABLE IN CONDUIT, NO.20 3C, TWISTED, SHIELDED	FOOT	329
RE-OPTIMIZE TRAFFIC SIGNAL SYSTEM	L SUM	
REMOVE EXISTING HANDHOLE	EACH	2

DOUGLAS ROAD AT OLD POST ROAD ELECTRICAL LOAD CHART

DOUGLAS ROAD		WATTAGE EACH	BURN TIME (%)
INDICATION	NUMBER		
RED	6	10	35
YELLOW	6	22	5
GREEN	6	12	60
YELLOW ARROW	4	10	5
GREEN ARROW	4	5	30

OLD POST ROAD			
RED	6	10	60
YELLOW	6	22	5
GREEN	6	12	35
YELLOW ARROW	4	10	5
GREEN ARROW	4	5	35

TRAFFIC SIGNAL CABINET		WATTAGE EACH	BURN TIME (%)
ITEM	NUMBER		
CONTROLLER	2	6	100
LOOP DETECTORS	9	4	100
UPS	1	50	100

HIGHWAY LIGHTING		WATTAGE EACH	BURN TIME (%)
ITEM	NUMBER		
CONTROLLER	1	6	100
LUMINAIRE	2	310	360 HRS/MONTH

ENERGY COSTS TO: VILLAGE OF OSWEGO
113 MAIN STREET
OSWEGO, ILLINOIS 60543

ENERGY SUPPLY CONTACT: JOE STACHO
PHONE: 630-424-5704
COMPANY: COMMONWEALTH EDISON

CABLE DIAGRAM LEGEND

EXISTING	PROPOSED	
		CONTROLLER CABINET
		SERVICE INSTALLATION
		VEHICLE DETECTOR, INDUCTION LOOP
		LIGHT DETECTOR
		CONFIRMATION BEACON
(2)	(2)	DENOTES NUMBER OF CONDUCTORS. ALL CABLE NO. 14 EXCEPT AS INDICATED. ALL LOOP DETECTOR CABLE TO BE SHIELDED.
		LIGHTING UNIT
R	R	12" TRAFFIC SIGNAL SECTION
R Y G ←Y ←G "P"	R Y G ←Y ←G "P"	SIGNAL FACE WITH BACKPLATE. "P" INDICATES PROGRAMMED HEAD.
H/C	H/C	GROUND CABLE ROD AT HANDHOLE (H), DOUBLE HANDHOLE (H), OR CONTROLLER (C)
P/MA	P/MA	GROUND ROD AT POST (P) OR MAST ARM (MA)
S	S	GROUND ROD AT ELECTRIC SERVICE INSTALLATION
		12" (300mm) PEDESTRIAN SIGNAL SECTION
		PUSHBUTTON DETECTOR

DOUGLAS ROAD AT LONG BEACH ROAD DETECTOR LOOP INDUCTANCE CHART

LOOP SYSTEM	PHASE	LABEL	NO. OF TURNS	INDUCTANCE (MICROHENRIES)	FREQUENCY (HERTZ)	J PIN STATUS
A	8	SB WSTBR	4	151	49.604	OFF
B	8	SB WFAR	6	420	29.767	ON
C	8	SB ESTBR	4	151	49.604	OFF
D	8	SB EFAR	6	420	29.767	ON
E	3	SBLT	4	310	34.655	ON
F	D	WBRT	4	404	30.347	ON
G	2	WB	4	404	30.347	ON
H	4	NB ESTBR	4	171	46.696	OFF
I	4	NB EFAR	6	360	32.171	ON
J	4	NB WSTBR	4	171	46.696	OFF
K	4	NB WFAR	6	360	32.171	ON
L	7	NBLT	4	330	33.617	ON
M	6	EB	4	252	38.459	ON
N	1	EBLT	4	252	38.459	ON

NOTE

THE EMERGENCY VEHICLE PREEMPTION EQUIPMENT FOR THIS PROJECT SHALL BE "3M OPTICOM".

ILLINOIS DEPARTMENT OF TRANSPORTATION

F.A.U. 2508 – DOUGLAS ROAD
(U.S. RTE 34 TO U.S. RTE 30)
OLD POST ROAD
CABLE PLAN

SCALE: VERT. N.T.S.
HORIZ.
DATE

DRAWN BY
CHECKED BY

PLAN: SURVEYED, DATE, BY, NOTE BOOK, NO., ALIGNMENT CHECKED, RT. OF WAY CHECKED, PLANS FILE NAME

PROFILE: SURVEYED, DATE, BY, NOTE BOOK, NO., GRADES CHECKED, R.M. NOTED, STRUCTURE NO(S)

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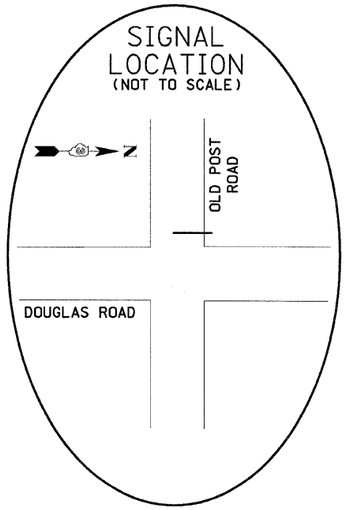
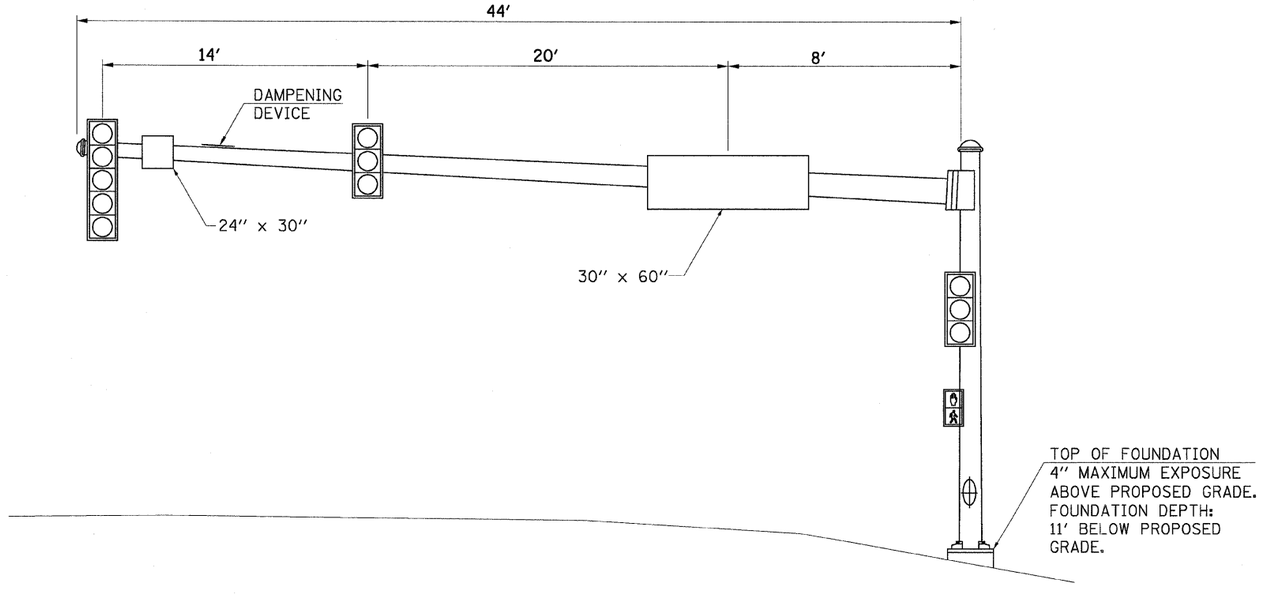
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2508	02-00039-00-PV	KENDALL	146	90
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

87333

PLAN
SURVEYED
DATE
ALIGNMENT CHECKED
RT. OF WAY CHECKED
CADD FILE NAME
NOTE BOOK
NO.
BY
DATE

PROFILE
SURVEYED
DATE
GRADES CHECKED
B.M. NO.(S)
STRUCTURE NO.(S) CK'KD
NOTE BOOK
NO.
BY
DATE





NOTES

1. ALL SIGNAL HEADS HAVE BACKPLATES.
2. ALL MAST ARM FOUNDATIONS TO BE 36″ DIAMETER.
3. DAMPENING DEVICE SHALL CONSIST OF A 24″ X 30″ TYPE-I, UNPAINTED ALUMINUM SIGN STOCK MOUNTED HORIZONTALLY ON TOP OF MAST ARM WITH THE 30″ LENGTH PERPENDICULAR TO THE ARM. COST OF THE DAMPENING DEVICE SHALL BE INCLUDED IN THE MAST ARM PAY ITEM.
4. RELOCATE EXISTING STREET NAME SIGNS.
5. RELOCATE EXISTING LEFT TURN CONTROL SIGN

ILLINOIS DEPARTMENT OF TRANSPORTATION

F.A.U. 2508 – DOUGLAS ROAD
(U.S. RTE 34 TO U.S. RTE 30)
OLD POST ROAD
MAST ARM LOADING DIAGRAMS
STREET SIGN DETAIL

SCALE: VERT.
HORIZ. N.T.S.
DATE

DRAWN BY
CHECKED BY

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3/28/2007
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F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2508	02-00039-00-PV	KENDALL	146	91
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

87333

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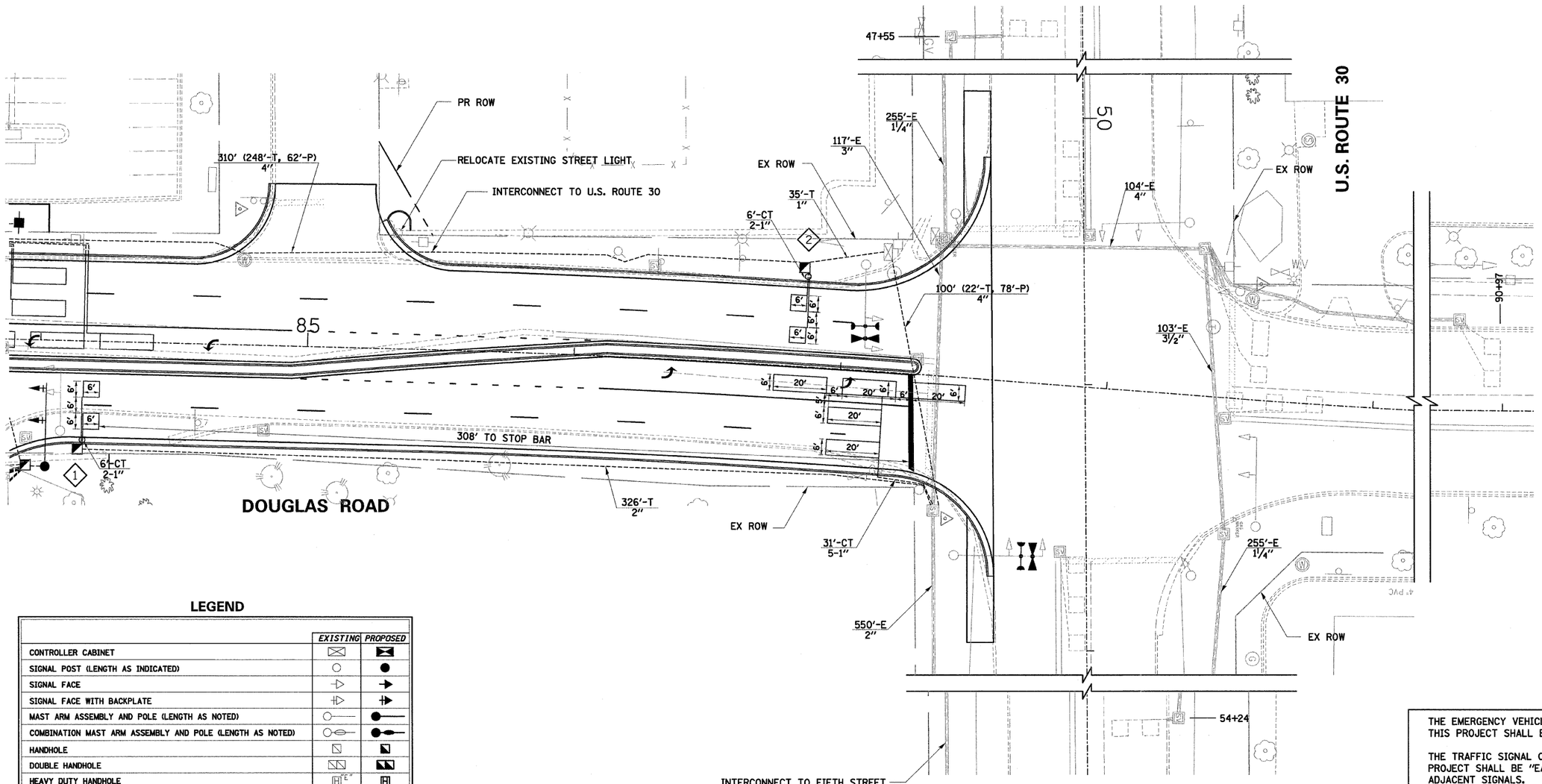
SCALE IN FEET



LEGEND

	EXISTING	PROPOSED
CONTROLLER CABINET	⊠	⧓
SIGNAL POST (LENGTH AS INDICATED)	○	●
SIGNAL FACE	⊳	→
SIGNAL FACE WITH BACKPLATE	⊳	→
MAST ARM ASSEMBLY AND POLE (LENGTH AS NOTED)	○—	●—
COMBINATION MAST ARM ASSEMBLY AND POLE (LENGTH AS NOTED)	○⊂	●⊂
HANDHOLE	▧	◪
DOUBLE HANDHOLE	▧▧	◪◪
HEAVY DUTY HANDHOLE	H	H
GALVANIZED STEEL CONDUIT	═══	———
LOOP DETECTOR	⬚	□
SERVICE INSTALLATION, TYPE B	⊟	■
LIGHT DETECTOR		◀
CONFIRMATION BEACON		●◀
TEMPORARY WOOD POLE (CLASS 5 OR BETTER) 45 FOOT (13.7m) MIN.	⊗	⊗
JUNCTION BOX		⊡
PEDESTRIAN SIGNAL HEAD	⊐	⊐
PEDESTRIAN PUSHBUTTON	◎	◉

#	EQUIPMENT ITEM	LOCATION
1	HANDHOLE	STA. 84+18.6, 40.5' RT
2	HANDHOLE	STA. 86+88.5, 37.5' LT

THE EMERGENCY VEHICLE PREEMPTION EQUIPMENT FOR THIS PROJECT SHALL BE "3M OPTICOM".

THE TRAFFIC SIGNAL CONTROL EQUIPMENT FOR THIS PROJECT SHALL BE "EAGLE" BRAND TO MATCH ADJACENT SIGNALS.

UNINTERRUPTABLE POWER SUPPLY, EXTENDED IS TO BE ADDED TO THE U.S. ROUTE 30 AND FIFTH STREET CONTROLLERS

ILLINOIS DEPARTMENT OF TRANSPORTATION

F.A.U. 2508 – DOUGLAS ROAD (U.S. RTE 34 TO U.S. RTE 30)

TRAFFIC SIGNAL INSTALLATION PLAN U.S. ROUTE 30

SCALE: VERT.
HORIZ.
DATE

DRAWN BY MJF
CHECKED BY CRF

PLAN
SURVEYED
PLOTTED
ALIGNMENT CHECKED
RT. OF WAY CHECKED
NOTE BOOK
NO.
BY
DATE

PROFILE
SURVEYED
PLOTTED
GRADES CHECKED
B.M. NOTED
STRUCTURE NO'S CHKD
NOTE BOOK
NO.

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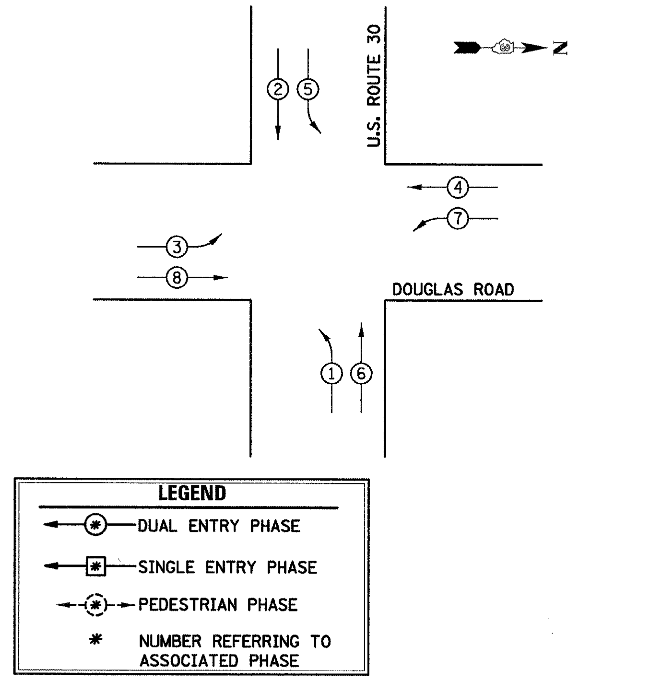
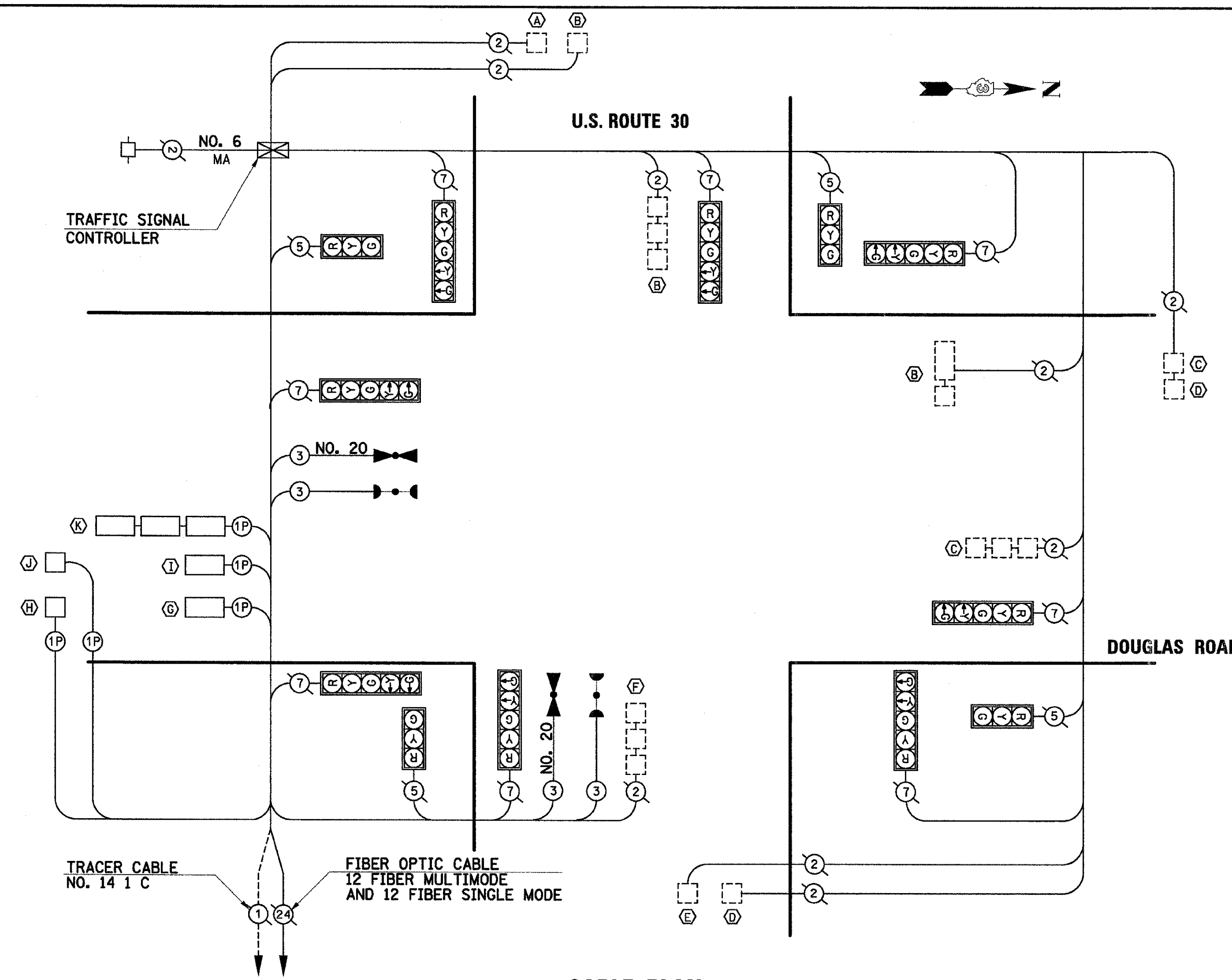
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2508	02-00039-00-PV	KENDALL	146	92
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

CONTROLLER SEQUENCE



PHASE DESIGNATION DIAGRAM



CABLE PLAN

SCHEDULE OF QUANTITIES

87333

SIGN PANEL - TYPE 1	SQ FT	
SIGN PANEL - TYPE 2	SQ FT	
RELOCATE SIGN PANEL ASSEMBLY - TYPE B	EACH	
CONDUIT IN TRENCH, 1" DIA., GALVANIZED STEEL	FOOT	167
CONDUIT IN TRENCH, 2" DIA., GALVANIZED STEEL	FOOT	326
CONDUIT IN TRENCH, 2 1/2" DIA., GALVANIZED STEEL	FOOT	
CONDUIT IN TRENCH, 4" DIA., GALVANIZED STEEL	FOOT	22
CONDUIT PUSHED, 1" DIA., GALVANIZED STEEL	FOOT	
CONDUIT PUSHED, 2" DIA., GALVANIZED STEEL	FOOT	
CONDUIT PUSHED, 2 1/2" DIA., GALVANIZED STEEL	FOOT	
CONDUIT PUSHED, 4" DIA., GALVANIZED STEEL	FOOT	78
HANDHOLE	EACH	
DOUBLE HANDHOLE	EACH	
TRENCH AND BACKFILL FOR ELECTRICAL WORK	FOOT	379
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
FULL-ACTUATED CONTROLLER AND TYPE IV CABINET, SPECIAL	EACH	
UNINTERRUPTABLE POWER SUPPLY, EXTENDED	EACH	1
TRANSCEIVER - FIBER OPTIC	EACH	
ELECTRIC CABLE IN CONDUIT, SIGNAL, NO. 14 2C	FOOT	
ELECTRIC CABLE IN CONDUIT, SIGNAL, NO. 14 3C	FOOT	250
ELECTRIC CABLE IN CONDUIT, SIGNAL, NO. 14 5C	FOOT	
ELECTRIC CABLE IN CONDUIT, SIGNAL, NO. 14 7C	FOOT	
ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 14 1 PAIR	FOOT	923
ELECTRIC CABLE IN CONDUIT, SERVICE, NO. 6 2C	FOOT	
TRAFFIC SIGNAL POST, GALVANIZED STEEL, 10 FT.	EACH	
TRAFFIC SIGNAL POST, GALVANIZED STEEL, 15 FT.	EACH	
TRAFFIC SIGNAL POST, GALVANIZED STEEL, 16 FT.	EACH	
STEEL MAST ARM ASSEMBLY AND POLE, 32 FT.	EACH	
STEEL MAST ARM ASSEMBLY AND POLE, 34 FT.	EACH	
STEEL MAST ARM ASSEMBLY AND POLE, 40 FT.	EACH	
STEEL MAST ARM ASSEMBLY AND POLE, 42 FT.	EACH	
STEEL MAST ARM ASSEMBLY AND POLE, 44 FT.	EACH	
STEEL MAST ARM ASSEMBLY AND POLE, 48 FT.	EACH	
STEEL MAST ARM ASSEMBLY AND POLE, 52 FT.	EACH	
STEEL MAST ARM ASSEMBLY AND POLE WITH DUAL MAST ARMS, 30 FT. AND 38 FT.	EACH	
STEEL MAST ARM ASSEMBLY AND POLE WITH DUAL MAST ARMS, 40 FT. AND 48 FT.	EACH	
CONCRETE FOUNDATION, TYPE A	FOOT	
CONCRETE FOUNDATION, TYPE C	FOOT	
CONCRETE FOUNDATION, TYPE E, 36-INCH DIAMETER	FOOT	
DRILL EXISTING HANDHOLE	EACH	2
SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED	EACH	
SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 3-SECTION, MAST ARM MOUNTED	EACH	
SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 5-SECTION, BRACKET MOUNTED	EACH	
SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 5-SECTION, MAST ARM MOUNTED	EACH	
PEDESTRIAN SIGNAL HEAD, LED, 1-FACE, POST MOUNTED	EACH	
PEDESTRIAN SIGNAL HEAD, LED, 1-FACE, BRACKET MOUNTED	EACH	
TRAFFIC SIGNAL BACKPLATE, LOUVERED, FORMED PLASTIC	EACH	
INDUCTIVE LOOP DETECTOR	EACH	5
DETECTOR LOOP, TYPE I	FOOT	528
LIGHT DETECTOR	EACH	2
LIGHT DETECTOR AMPLIFIER	EACH	1
PEDESTRIAN PUSH-BUTTON	EACH	
TEMPORARY TRAFFIC SIGNAL INSTALLATION	EACH	1
MODIFY EXISTING CONTROLLER	EACH	1
REMOVE ELECTRIC CABLE FROM CONDUIT	FOOT	400
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	
ELECTRIC CABLE IN CONDUIT, TRACER, NO. 14 1C	FOOT	
FIBER OPTIC CABLE IN CONDUIT, NO. 62.5/125, MM12F SM12F	FOOT	
SERVICE INSTALLATION - GROUND MOUNTED	EACH	
ELECTRIC CABLE IN CONDUIT, GROUNDING, NO.6 1C	FOOT	
ELECTRIC CABLE IN CONDUIT, NO.20 3C, TWISTED, SHIELDED	FOOT	259
RE-OPTIMIZE TRAFFIC SIGNAL SYSTEM	L SUM	1
REMOVE EXISTING HANDHOLE	EACH	1

I.D.O.T TRAFFIC SIGNAL INSTALLATION ELECTRICAL SERVICE REQUIREMENTS

TYPE	NO. LAMPS	WATTAGE	% OPERATION	TOTAL WATTAGE
SIGNAL (RED)	12	135	0.50	810
(YELLOW)	12	135	0.25	405
(GREEN)	12	135	0.25	405
ARROW (NORMAL)	16	135	0.10	216
ILLUM. SIGN		90	1.00	
CONTROLLER	1	100	1.00	100
FLASHER			0.05	
			TOTAL =	1936

ENERGY COSTS TO: ILLINOIS DEPARTMENT OF TRANSPORTATION
201 WEST CENTER COURT
SCHAUMBURG, ILLINOIS 60196-1096

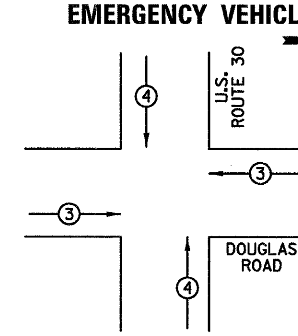
ENERGY SUPPLY CONTACT: JOE STACHO
PHONE: 630-424-5704
COMPANY: COMMONWEALTH EDISON

FOUNDATION (DEPTH)	(FT.)	CABLE SLACK	(FT.)	VERTICAL	(FT.)
TYPE A - POST	4	HANDHOLE	6.5	ALL FOUNDATIONS	3.5
D - CONTROLLER	4	DOUBLE HANDHOLE	13	MAST ARM (L) POLE	20'+L-2 =
E - M ARM POLE		SIGNAL POST	2	BRACKET MOUNTED	13
24"	10	CONTROLLER CAB.	1	PED. PUSHBUTTON	4
30"	15	FIBER OPTIC	13	ELECTRIC SERVICE	13.5
		ELECTRIC SERVICE	1	SERVICE TO GROUND	13.5
		GROUND CABLE	1	POST MOUNTED	6

CABLE DIAGRAM LEGEND

EXISTING	PROPOSED	
		CONTROLLER CABINET
		SERVICE INSTALLATION
		VEHICLE DETECTOR, INDUCTION LOOP
		LIGHT DETECTOR
		CONFIRMATION BEACON
2	2	DENOTES NUMBER OF CONDUCTORS. ALL CABLE NO. 14 EXCEPT AS INDICATED. ALL LOOP DETECTOR CABLE TO BE SHIELDED.
		LIGHTING UNIT
R	R	12" TRAFFIC SIGNAL SECTION
R Y G →Y →G "P"	R Y G →Y →G "P"	SIGNAL FACE WITH BACKPLATE. "P" INDICATES PROGRAMMED HEAD.
H/C	H/C	GROUND CABLE ROD AT HANDHOLE (H), DOUBLE HANDHOLE (H), OR CONTROLLER (C)
P/MA	P/MA	GROUND ROD AT POST (P) OR MAST ARM (MA)
S	S	GROUND ROD AT ELECTRIC SERVICE INSTALLATION
		12" (300mm) PEDESTRIAN SIGNAL SECTION
		PUSHBUTTON DETECTOR

EMERGENCY VEHICLE PRE-EMPTION SEQUENCE



PROPOSED EMERGENCY VEHICLE PREEMPTORS		
EMERGENCY VEHICLE PREEMPTOR	3	4
MOVEMENT	⇄	↓↑

DOUGLAS ROAD AT US ROUTE 30 DETECTOR LOOP INDUCTANCE CHART

LOOP SYSTEM	PHASE	LABEL	NO. OF TURNS	INDUCTANCE (MICROHENRIES)	FREQUENCY (HERTZ)	J PIN STATUS
G	8	NB ESTBR	4	194	43834	OFF
H	8	NB EFAR	6	405	30344	ON
I	8	NB WSTBR	4	194	43834	OFF
J	8	NB WFAR	6	405	30344	ON
K	3	NBLT	4	353	32501	ON

NOTES

1. THE EMERGENCY VEHICLE PREEMPTION EQUIPMENT FOR THIS PROJECT SHALL BE "3M OPTICOM".
2. THE TRAFFIC SIGNAL CONTROL EQUIPMENT FOR THIS PROJECT SHALL BE "EAGLE" BRAND TO MATCH ADJACENT SIGNALS.

ILLINOIS DEPARTMENT OF TRANSPORTATION

F.A.U. 2508 – DOUGLAS ROAD
(U.S. RTE 34 TO U.S. RTE 30)

CABLE PLAN
U.S. ROUTE 30

SCALE: VERT. N.T.S. HORIZ.
DATE
DRAWN BY MJF
CHECKED BY CRF

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F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2508	02-00039-00-PV	KENDALL	146	93
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

87333

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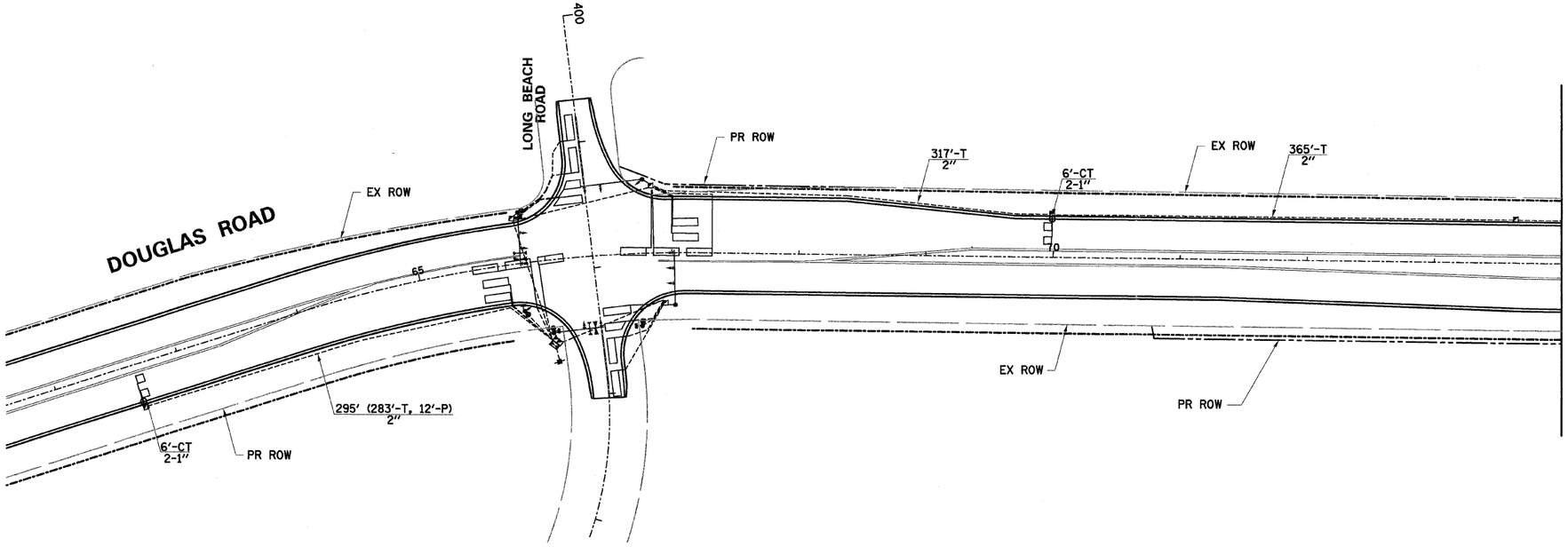

MATCHLINE STA. 74+00

INTERCONNECT PLAN LEGEND

	PROPOSED	EXISTING
CONTROLLER		
HANDHOLE		"E"
DOUBLE HANDHOLE		"E"
G.S. CONDUIT IN TRENCH OR PUSHED		
DETECTOR LOOP		
COMMON TRENCH	CT	
UNIT DUCT	UD	
SYSTEM	S	
INTERSECTION	IP	

ILLINOIS DEPARTMENT OF TRANSPORTATION

F.A.U. 2508 – DOUGLAS ROAD (U.S. RTE 34 TO U.S. RTE 30)

TRAFFIC SIGNAL INTERCONNECT PLAN

SCALE: VERT. HORIZ.

DATE

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PLAN: BY | DATE | SURVEYED | PLOTTED | ALIGNMENT CHECKED | PLT. OF RT. CHECKED | ROW FILE NAME | NOTE BOOK | NO.

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F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2508	02-00039-00-PV	KENDALL	146	94
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

87333

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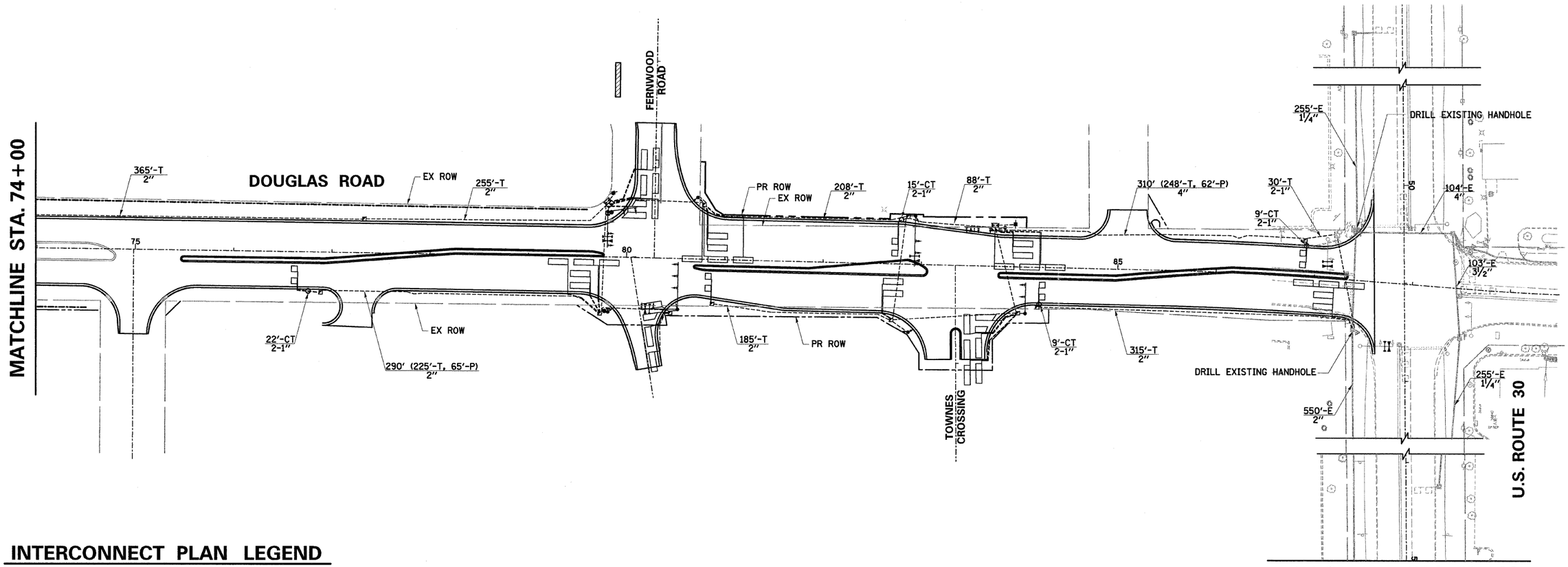
SCALE IN FEET



INTERCONNECT PLAN LEGEND

	PROPOSED	EXISTING
CONTROLLER		
HANDHOLE		"E"
DOUBLE HANDHOLE		"E"
G.S. CONDUIT IN TRENCH OR PUSHED	————	═══
DETECTOR LOOP		
COMMON TRENCH	CT	
UNIT DUCT	UD	
SYSTEM	S	
INTERSECTION	IP	

ILLINOIS DEPARTMENT OF TRANSPORTATION

F.A.U. 2508 – DOUGLAS ROAD (U.S. RTE 34 TO U.S. RTE 30)

TRAFFIC SIGNAL INTERCONNECT PLAN

SCALE: VERT.
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F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2508	02-00039-00-PV	KENDALL	146	95
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

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SCALE IN FEET

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GRADES CHECKED
B.M. NOTED
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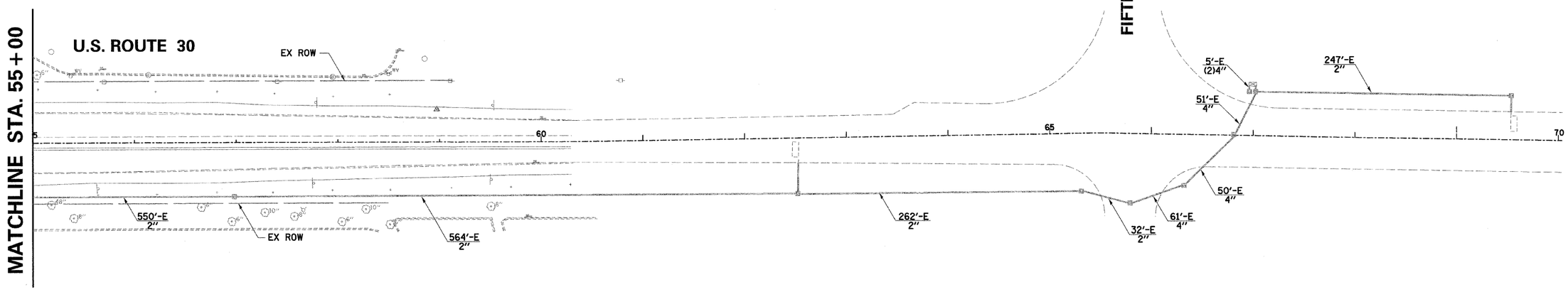

INTERCONNECT PLAN LEGEND

	PROPOSED	EXISTING
CONTROLLER	▣	⊠
HANDHOLE	◥	◥ "E"
DOUBLE HANDHOLE	◥◥	◥◥ "E"
G.S. CONDUIT IN TRENCH OR PUSHED	----	═══
DETECTOR LOOP	□	⬚
COMMON TRENCH	CT	
UNIT DUCT	UD	
SYSTEM	S	
INTERSECTION	IP	

ILLINOIS DEPARTMENT OF TRANSPORTATION

F.A.U. 2508 – DOUGLAS ROAD
(U.S. RTE 34 TO U.S. RTE 30)

TRAFFIC SIGNAL INTERCONNECT PLAN

SCALE: VERT.
HORIZ.
DATE

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F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2508	02-00039-00-PV	KENDALL	146	96
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

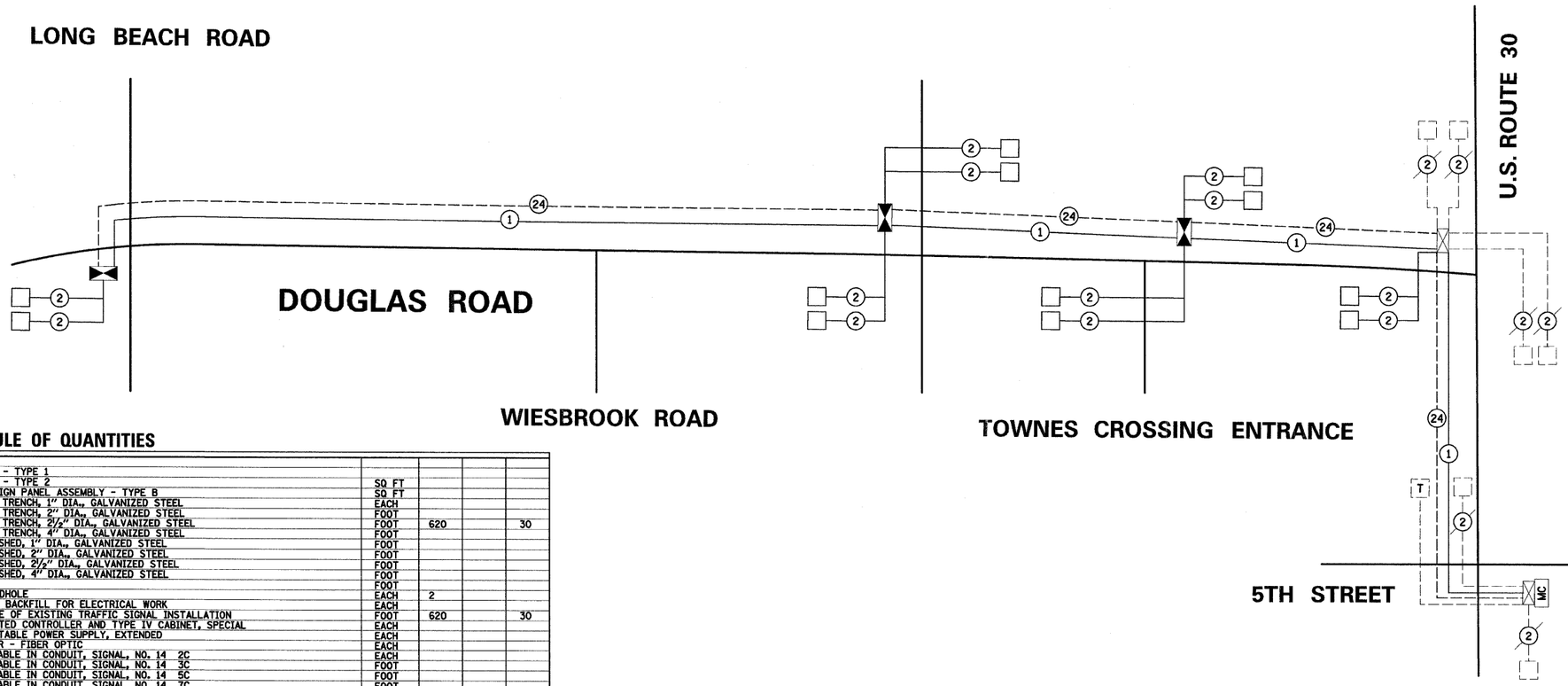
87333

PLAN — SURVEYED / PLOTTED / GRADES CHECKED / R.M. NOTED / STRUCTURE NOTATIONS CHKD / ALIGNMENT CHECKED / RT. OF WAY CHECKED / DGN FILE NAME / NOTE BOOK / NO. / BY / DATE

PROFILE — SURVEYED / PLOTTED / GRADES CHECKED / R.M. NOTED / STRUCTURE NOTATIONS CHKD / NOTE BOOK / NO. / BY / DATE

INTERCONNECT SCHEMATIC LEGEND

- EXISTING INTERSECTION CONTROLLER
- PROPOSED INTERSECTION CONTROLLER
- EMC — EXISTING MASTER CONTROLLER
- MC — PROPOSED MASTER CONTROLLER
- MMC — MASTER MASTER CONTROLLER
- EXISTING INTERSECTION & SAMPLING (SYSTEM) DETECTORS
- PROPOSED INTERSECTION & SAMPLING (SYSTEM) DETECTORS
- P — EXISTING INTERSECTION LOOP DETECTORS PROPOSED SAMPLING (SYSTEM) DETECTORS
- ES — EXISTING SAMPLING (SYSTEM) DETECTORS
- PS — PROPOSED SAMPLING (SYSTEM) DETECTORS
- ESP — EXISTING SAMPLING (SYSTEM) DETECTORS PROPOSED INTERSECTION & SAMPLING (SYSTEM) DETECTORS
- ESPS — EXISTING SAMPLING (SYSTEM) DETECTORS PROPOSED SAMPLING (SYSTEM) DETECTORS
- PD — EXISTING PREFORMED INTERSECTION & SAMPLING (SYSTEM) DETECTORS
- PD — PROPOSED PREFORMED INTERSECTION & SAMPLING (SYSTEM) DETECTORS
- ESPD — EXISTING SAMPLING (SYSTEM) PREFORMED DETECTORS
- ESPD — PROPOSEED SAMPLING (SYSTEM) PREFORMED DETECTORS
- (24) — EXISTING FIBER OPTIC CABLE IN CONDUIT, NO. 62.5/125, MM12F SM12F
- (24) — PROPOSED FIBER OPTIC CABLE IN CONDUIT, NO. 62.5/125, MM12F SM12F
- (12) — EXISTING INTERCONNECT CABLE - NO. 62.5/125 12F FIBER OPTIC CABLE
- (12) — PROPOSED INTERCONNECT CABLE - NO. 62.5/125 12F FIBER OPTIC CABLE
- (6) — EXISTING INTERCONNECT CABLE - NO. 18 3 PAIR TWISTED, SHIELDED
- (6) — PROPOSED INTERCONNECT CABLE - NO. 18 3 PAIR TWISTED, SHIELDED
- (2) — EXISTING LOOP DETECTOR CABLE 2/C TWISTED, SHIELDED
- (2) — PROPOSED LOOP DETECTOR CABLE 2/C TWISTED, SHIELDED
- (1) — EXISTING ELECTRIC CABLE 1/C (AS SPECIFIED)
- (1) — PROPOSED ELECTRIC CABLE 1/C (AS SPECIFIED)
- T — EXISTING TELEPHONE CONNECTION
- T — PROPOSED TELEPHONE CONNECTION



SCHEDULE OF QUANTITIES

SIGN PANEL - TYPE 1				
SIGN PANEL - TYPE 2	SQ FT			
RELOCATE SIGN PANEL ASSEMBLY - TYPE B	SQ FT			
CONDUIT IN TRENCH, 1" DIA., GALVANIZED STEEL	EACH			
CONDUIT IN TRENCH, 2" DIA., GALVANIZED STEEL	FOOT			
CONDUIT IN TRENCH, 2½" DIA., GALVANIZED STEEL	FOOT	620		30
CONDUIT IN TRENCH, 4" DIA., GALVANIZED STEEL	FOOT			
CONDUIT PUSHED, 1" DIA., GALVANIZED STEEL	FOOT			
CONDUIT PUSHED, 2" DIA., GALVANIZED STEEL	FOOT			
CONDUIT PUSHED, 2½" DIA., GALVANIZED STEEL	FOOT			
CONDUIT PUSHED, 4" DIA., GALVANIZED STEEL	FOOT			
HANDHOLE	FOOT			
DOUBLE HANDHOLE	EACH	2		
TRENCH AND BACKFILL FOR ELECTRICAL WORK	EACH			
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	FOOT	620		30
FULL-ACTUATED CONTROLLER AND TYPE IV CABINET, SPECIAL	EACH			
UNINTERRUPTABLE POWER SUPPLY, EXTENDED	EACH			
TRANSCEIVER - FIBER OPTIC	EACH			
ELECTRIC CABLE IN CONDUIT, SIGNAL, NO. 14 2C	EACH			
ELECTRIC CABLE IN CONDUIT, SIGNAL, NO. 14 3C	FOOT			
ELECTRIC CABLE IN CONDUIT, SIGNAL, NO. 14 5C	FOOT			
ELECTRIC CABLE IN CONDUIT, SIGNAL, NO. 14 7C	FOOT			
ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 14 1 PAIR	FOOT			
ELECTRIC CABLE IN CONDUIT, SERVICE, NO. 6 2C	FOOT			
TRAFFIC SIGNAL POST, GALVANIZED STEEL, 10 FT.	FOOT			
TRAFFIC SIGNAL POST, GALVANIZED STEEL, 15 FT.	EACH			
TRAFFIC SIGNAL POST, GALVANIZED STEEL, 16 FT.	EACH			
STEEL MAST ARM ASSEMBLY AND POLE, 32 FT.	EACH			
STEEL MAST ARM ASSEMBLY AND POLE, 34 FT.	EACH			
STEEL MAST ARM ASSEMBLY AND POLE, 40 FT.	EACH			
STEEL MAST ARM ASSEMBLY AND POLE, 42 FT.	EACH			
STEEL MAST ARM ASSEMBLY AND POLE, 44 FT.	EACH			
STEEL MAST ARM ASSEMBLY AND POLE, 48 FT.	EACH			
STEEL MAST ARM ASSEMBLY AND POLE, 52 FT.	EACH			
STEEL MAST ARM ASSEMBLY AND POLE WITH DUAL MAST ARMS, 30 FT. AND 38 FT.	EACH			
STEEL MAST ARM ASSEMBLY AND POLE WITH DUAL MAST ARMS, 40 FT. AND 48 FT.	EACH			
CONCRETE FOUNDATION, TYPE A	EACH			
CONCRETE FOUNDATION, TYPE C	FOOT			
CONCRETE FOUNDATION, TYPE E, 36-INCH DIAMETER	FOOT			
DRILL EXISTING HANDHOLE	FOOT			
SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED	EACH			
SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 3-SECTION, MAST ARM MOUNTED	EACH			
SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 5-SECTION, BRACKET MOUNTED	EACH			
SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 5-SECTION, MAST ARM MOUNTED	EACH			
PEDESTRIAN SIGNAL HEAD, LED, 1-FACE, POST MOUNTED	EACH			
PEDESTRIAN SIGNAL HEAD, LED, 1-FACE, BRACKET MOUNTED	EACH			
TRAFFIC SIGNAL BACKPLATE, LOUVERED, FORMED PLASTIC	EACH			
INDUCTIVE LOOP DETECTOR	EACH			
DETECTOR LOOP, TYPE I	EACH			
LIGHT DETECTOR	FOOT			
LIGHT DETECTOR AMPLIFIER	EACH			
PEDESTRIAN PUSH-BUTTON	EACH			
TEMPORARY TRAFFIC SIGNAL INSTALLATION	EACH			
MODIFY EXISTING CONTROLLER	EACH			
REMOVE ELECTRIC CABLE FROM CONDUIT	EACH			
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	FOOT			
REMOVE TEMPORARY TRAFFIC SIGNAL INSTALLATION	EACH			
ELECTRIC CABLE IN CONDUIT, TRACER, NO. 14 1C	EACH			
FIBER OPTIC CABLE IN CONDUIT, NO. 62.5/125, MM12F SM12F	FOOT	1590	444	385
SERVICE INSTALLATION - GROUND MOUNTED	FOOT	1590	444	385
ELECTRIC CABLE IN CONDUIT, GROUNDING, NO.6 1C	EACH			
ELECTRIC CABLE IN CONDUIT, NO.20 3C, TWISTED, SHIELDED	FOOT			
RE-OPTIMIZE TRAFFIC SIGNAL SYSTEM	FOOT			
REMOVE EXISTING HANDHOLE	L SUM			

ILLINOIS DEPARTMENT OF TRANSPORTATION

F.A.U. 2508 – DOUGLAS ROAD (U.S. RTE 34 TO U.S. RTE 30)

TRAFFIC SIGNAL INTERCONNECT SCHEMATIC

SCALE: VERT. NTS. HORIZ. NTS.

DRAWN BY MJF

DATE

CHECKED BY CRF

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F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2508	02-00039-00-PV	KENDALL	146	97
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

87333

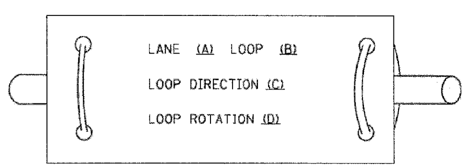
CONTRACT NO.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

LOOP DETECTOR NOTES

1. EACH PAIR OF LOOP WIRES SHALL BE PLACED IN A SEPARATE UNIT DUCT FROM THE EDGE OF PAVEMENT TO THE HANDHOLE. SPACING BETWEEN THE HOLES DRILLED IN THE PAVEMENT SHALL NOT BE LESS THAN 6" (150 mm). UNIT DUCT SHALL BE INCLUDED IN THE COST OF THE LOOP WIRE.
2. THE NUMBER OF LOOP TURNS SHALL BE AS RECOMMENDED BY THE AMPLIFIER MANUFACTURER. ALL ADJACENT SIDES OF THE LOOPS SHALL BE INSTALLED IN SUCH A WAY THAT THE CURRENT FLOW IS IN THE SAME DIRECTION TO REINFORCE ITS MAGNETIC FIELDS FOR SMALL VEHICLE DETECTION.
3. EACH LOOP LEAD-IN SHALL BE IDENTIFIED AND PERMANENTLY TAGGED IN THE HANDHOLE. EACH LEAD-IN CABLE TAG SHALL INDICATE THE LOCATION OF THE LOOP, LOOP ROTATION (CLOCKWISE/COUNTERCLOCKWISE), LOOP LEAD-IN DIRECTION (IN OR OUT), LOOP CABLE NUMBER AND LOCATION IN CABINET, AND NUMBER OF TURNS IN THE DETECTOR LOOPS IN WATER PROOF INK AS INDICATED ON THE DISTRICT 1 STANDARD TRAFFIC SIGNAL DESIGN DETAIL. THE CONTRACTOR SHALL MARK LOOP LOCATIONS ON RECORD DRAWINGS AND PRESENT TO THE ENGINEER AFTER FINAL INSPECTION. LOOPS SHALL BE MARKED BY LANE AND LOOP NUMBER. SEE DETAIL BELOW.
4. ALL LOOP CABLE SHALL BE FASTENED WITH PLASTIC TIE WRAP TO THE HANDHOLE HOOKS.
5. IN ASPHALT PAVEMENT, LOOPS SHOULD BE PLACED IN THE BINDER AND DIVEHOLES MARKED AT THE CURB WITH A SAW-CUT. THE SAW-CUT SHALL BE CUT IN ACCORDANCE WITH LOCAL AND E.P.A. DUST CONTROL REQUIREMENTS. DETECTOR LOOP(S) SHALL NOT BE INSTALLED IN WET CONDITIONS AND THE SAW-CUTS MUST BE FREE OF DEBRIS AND RESIDUE SUCH AS DUST AND WATER WHICH IS TO BE ACHIEVED BY THE USE OF COMPRESSED AIR, WIRE BRUSHING AND HEAT DRYING ACCORDING TO SEALANT MANUFACTURER REQUIREMENTS. THE DETECTOR WIRE SHALL BE HELD IN PLACE BY THE USE OF FORM WEDGES. WEDGES SHALL BE SPACED NO MORE THAN 18" (450 mm) APART.
6. LOOP SPLICES SHALL BE SOLDERED USING A SOLDERING IRON. BLOW TORCHES OR OTHER DEVICES WHICH OXIDIZE COPPER CABLE SHALL NOT BE ALLOWED FOR SOLDERING OPERATIONS. SEE DETAIL BELOW RIGHT.
7. PREFORMED DETECTOR LOOPS SHALL BE USED, AS SHOWN ON THE PLANS, WHERE NEW CONCRETE PAVEMENT IS PROPOSED. THE INSTALLATION OF PREFORMED LOOPS SHALL BE IN ACCORDANCE WITH THE DISTRICT 1 SPECIFICATIONS OR AS DIRECTED BY THE ENGINEER.

LOOP LEAD-IN CABLE TAG

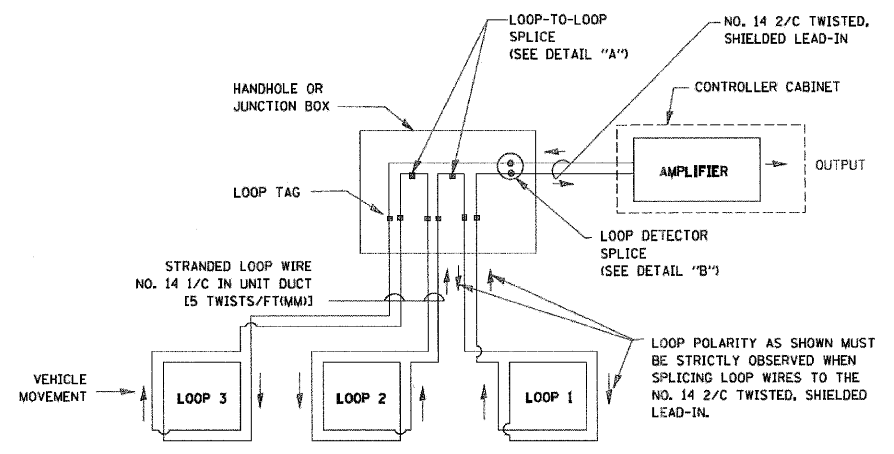


A. LANE 1 IS THE LANE CLOSEST TO THE CENTERLINE OF THE ROADWAY

B. LOOP #1 IS THE LOOP IN THE LANE CLOSEST TO THE INTERSECTION.

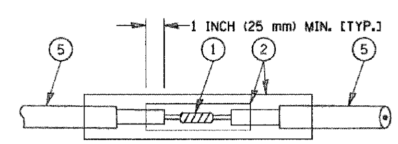
C. LABEL LOOP CABLE "IN" OR LOOP CABLE "OUT".

D. LABEL LOOP CABLE CLOCKWISE OR LOOP CABLE COUNTERCLOCKWISE.

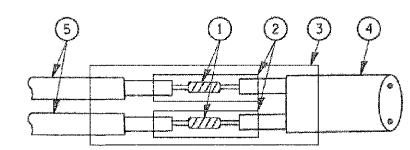


DETECTOR LOOP WIRING SCHEMATIC

- LOOPS SHALL BE SPLICED IN SERIES.
- SAW-CUTS SHALL BE A MINIMUM WIDTH OF 5/16" (8 mm).
- SAW-CUT DEPTHS SHALL BE 3" (75 mm). IF IN CONCRETE, THE SAW-CUT DEPTH SHALL BE TO THE TOP OF THE REINFORCEMENT.
- LOOP CORNERS SHALL BE DRILLED WITH A 2" (50 mm) DIAMETER CORE.



DETAIL "A"
LOOP-TO-LOOP SPLICE



DETAIL "B"
LOOP-TO-CONTROLLER SPLICE

LOOP DETECTOR SPLICE

(1) WESTERN UNION SPLICE SOLDERED WITH ROSIN CORE FLUX. ALL EXPOSED SURFACES OF THE SOLDER SHALL BE SMOOTH.

(2) WCSMW 30/100 HEAT SHRINK TUBE, MINIMUM LENGTH 3" (75 mm), UNDERWATER GRADE.

(3) WCS 200/750 HEAT SHRINK TUBE, MINIMUM LENGHT 6" (150 mm), UNDERWATER GRADE.

(4) NO. 14 2/C TWISTED, SHIELDED CABLE.

(5) LOOP CONDUCTOR WITH FLEXIBLE PLASTIC TUBE.

REVISIONS NAME	DATE
CADD	5/30/00
ADD NOTE NO. 8	11/12/01
BUREAU OF TRAFFIC	1-01-02

ILLINOIS DEPARTMENT OF TRANSPORTATION

DISTRICT ONE
STANDARD TRAFFIC SIGNAL
DESIGN DETAILS

SCALE: NONE
DATE: 2/15/2006

DRAWN BY: RWP
DESIGNED BY: DAD
CHECKED BY: DAZ
SHEET 1 OF 4
TS05
REVISION DATE: 01/01/02

PLOT DATE = 2/15/2006
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ILLINOIS DEPARTMENT OF TRANSPORTATION

F.A.U. 2508 – DOUGLAS ROAD
(U.S. RTE 34 TO U.S. RTE 30)

STANDARD TRAFFIC SIGNAL DESIGN DETAILS

SCALE: VERT.
HORIZ.
DATE

DRAWN BY MJF
CHECKED BY CRF

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2508	02-00039-00-PV	KENDALL	146	98
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

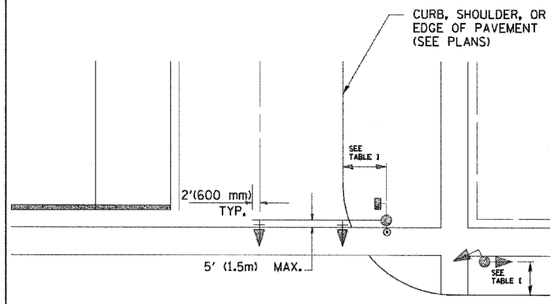
87333

CONTRACT NO.

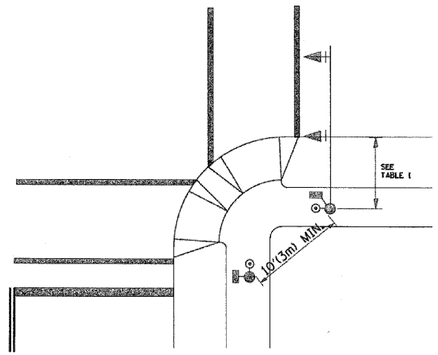
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

TRAFFIC SIGNAL MAST ARM AND POST

MAST ARM MOUNTED SIGNAL IN PROPOSED & FUTURE SIDEWALK AREA. INTERSECTION SHOWN WITH PEDESTRIAN SIGNAL AND PUSHBUTTON DETECTOR



PEDESTRIAN SIGNAL PUSHBUTTON



RECOMMENDED PUSHBUTTON LOCATIONS FOR ACCESSIBLE PEDESTRIAN SIGNALS SHALL BE IN ACCORDANCE WITH THE CURRENT MUTCD (SEE NOTE 1). TO MEET MUTCD REQUIREMENTS, PEDESTRIAN SIGNAL PUSHBUTTONS MAY HAVE TO BE MOUNTED ON A SEPARATE POST.

NOTES:

1. AT ACCESSIBLE PEDESTRIAN SIGNAL LOCATIONS WITH PEDESTRIAN ACTUATION, EACH PUSHBUTTON SHALL ACTIVATE BOTH THE WALK INTERVAL AND THE ACCESSIBLE PEDESTRIAN SIGNALS.

   AT ACCESSIBLE PEDESTRIAN SIGNAL LOCATIONS, PUSHBUTTONS SHOULD CLEARLY INDICATE WHICH CROSSWALK SIGNAL IS ACTUATED BY EACH PUSHBUTTON. PUSHBUTTONS AND TACTILE ARROWS SHOULD HAVE HIGH VISUAL CONTRAST (SEE THE DEPARTMENT OF JUSTICE'S AMERICANS WITH DISABILITIES ACT STANDARDS FOR ACCESSIBLE DESIGN, 1991). TACTILE ARROWS SHOULD POINT IN THE SAME DIRECTION AS THE ASSOCIATED CROSSWALK. AT CORNERS OF SIGNALIZED LOCATIONS WITH ACCESSIBLE PEDESTRIAN SIGNALS WHERE PEDESTRIAN PUSHBUTTONS ARE PROVIDED, THE PUSHBUTTONS SHOULD BE SEPARATED BY THE DISTANCE OF AT LEAST 10 FT (3m). THIS ENABLES PEDESTRIANS WHO HAVE VISUAL DISABILITIES TO DISTINGUISH AND LOCATE THE APPROPRIATE PUSHBUTTON.

   PUSHBUTTONS FOR ACCESSIBLE PEDESTRIAN SIGNALS SHOULD BE LOCATED AS FOLLOWS:

   A: ADJACENT TO A LEVEL ALL-WEATHER SURFACE TO PROVIDE ACCESS FROM A WHEELCHAIR, AND WHERE THERE IS AN ALL WEATHER SURFACE, WHEELCHAIR ACCESSIBLE ROUTE TO THE RAMP.

   B: WITHIN 5 FT (1.5m) OF THE CROSSWALK EXTENDED.

   C: WITHIN 10 FT (3m) OF THE EDGE OF CURB, SHOULDER, OR PAVEMENT.

   D: PARALLEL TO THE CROSSWALK TO BE USED (SEE MUTCD FIGURE 4E-2).

   E: NORMAL PEDESTRIAN PUSHBUTTON MOUNTING HEIGHT SHOULD BE 3.5 FT (1.05m) ABOVE ADJACENT SIDEWALK

2. PEDESTRIAN SIGNAL FACES SHALL BE MOUNTED WITH THE BOTTOM OF THE HOUSING NOT LESS THAN 8 FT (2.4m) NOR MORE THAN 10 FT (3.0m) ABOVE THE SIDEWALK LEVEL AND SO THERE IS A PEDESTRIAN INDICATION IN THE LINE OF PEDESTRIANS' VISION WHICH PERTAINS TO THE CROSSWALK BEING USED.

3. THE BOTTOM OF THE HOUSING OF A VEHICLE SIGNAL FACE, NOT MOUNTED OVER A ROADWAY, SHALL BE AT LEAST 10 FT (3.0m) BUT NOT MORE THAN 15 FT (4.5m) ABOVE THE SIDEWALK OR, ABOVE THE PAVEMENT GRADE AT THE CENTER OF THE HIGHWAY IF NO SIDEWALKS EXIST.

4. THE BOTTOM OF THE HOUSING OF A VEHICLE SIGNAL FACE, MOUNTED OVER A ROADWAY, SHALL BE ACCORDING TO CURRENT STATE STANDARDS 877001 AND 877006. (16 FT (5m) MIN., 18 FT (5.5m) MAX., FROM HIGHEST POINT OF PAVEMENT)

PEDESTRIAN SIGNAL POST

PEDESTRIAN SIGNAL HEAD AND PEDESTRIAN PUSHBUTTON DETECTOR LOCATION

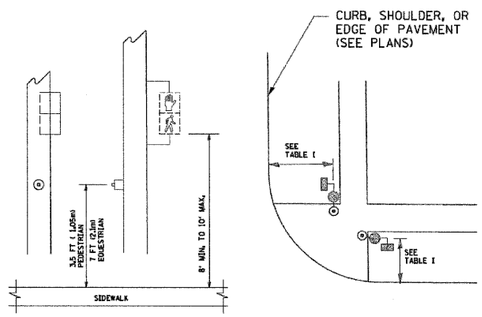


TABLE I

TRAFFIC SIGNAL EQUIPMENT	COMBINATION CONCRETE CURB AND GUTTER (MIN. DIST. FROM BACK OF CURB)	SHOULDER/NON-CURBED AREA (MIN. DIST. FROM EDGE OF PAVEMENT)
TRAFFIC SIGNAL MAST ARM POLE	6 FT (1.8m)	SHOULDER WIDTH + 2FT(0.6m), MINIMUM 10FT(3.0m)
TRAFFIC SIGNAL POST	4 FT (1.2m)	SHOULDER WIDTH + 2FT(0.6m), MINIMUM 10FT(3.0m)
PEDESTRIAN SIGNAL POST	4 FT (1.2m)	SHOULDER WIDTH + 2FT(0.6m), MINIMUM 10FT(3.0m)
PEDESTRIAN PUSHBUTTON	SEE NOTE 1	SEE NOTE 1

REVISIONS	
NAME	DATE
BUREAU OF TRAFFIC	1/01/02

ILLINOIS DEPARTMENT OF TRANSPORTATION

DISTRICT 1
STANDARD TRAFFIC SIGNAL DESIGN DETAILS

SCALE: NONE
DATE: 2/15/2006

DRAWN BY: RWP
DESIGNED BY: DAD
CHECKED BY: DAZ
SHEET 2 OF 4

TS05

REVISION DATE: 01/01/02

PLAN: DATE | BY | SURVEYED | DRAWN | ALIGNMENT CHECKED | GRADES CHECKED | R.W. NOTED | STRUCTURE NOTATIONS CHKD | NOTE BOOK | NO. | CADD FILE NAME

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ILLINOIS DEPARTMENT OF TRANSPORTATION

F.A.U. 2508 – DOUGLAS ROAD (U.S. RTE 34 TO U.S. RTE 30)

STANDARD TRAFFIC SIGNAL DESIGN DETAILS

SCALE: VERT.
HORIZ.
DATE

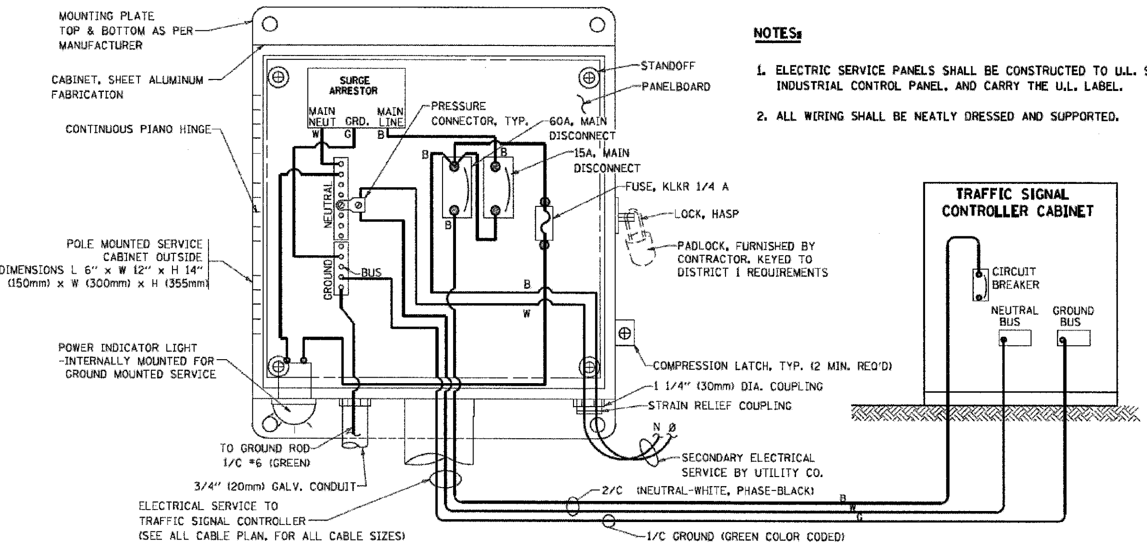
DRAWN BY MJF
CHECKED BY CRF

CONTRACT NO.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.

STA. TO STA.

FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT



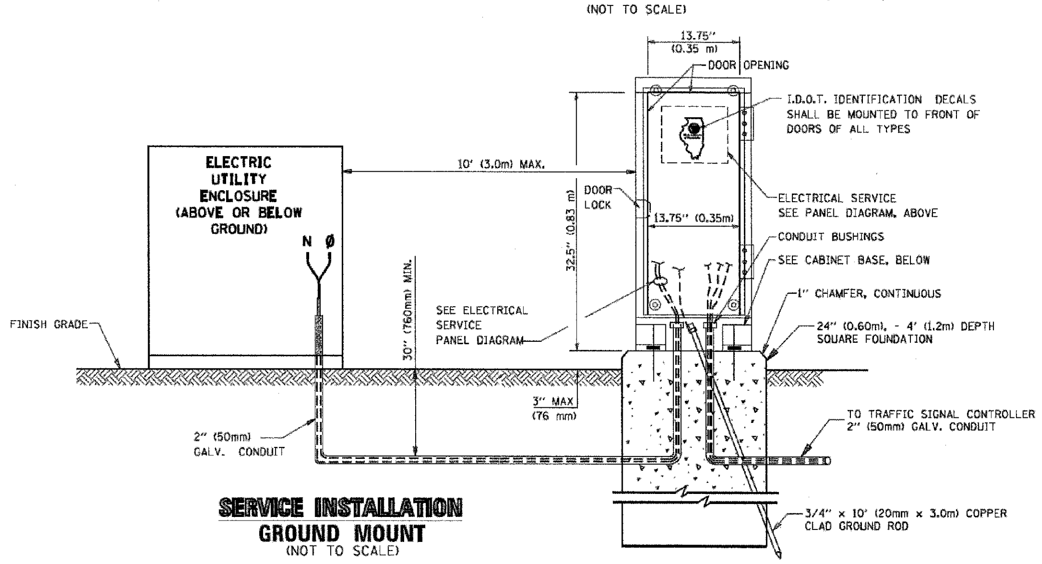
NOTES:

1. ELECTRIC SERVICE PANELS SHALL BE CONSTRUCTED TO U.L. STD 508, INDUSTRIAL CONTROL PANEL, AND CARRY THE U.L. LABEL.
2. ALL WIRING SHALL BE NEATLY DRESSED AND SUPPORTED.

ELECTRICAL SERVICE – PANEL DIAGRAM (TYPICAL FOR POLE AND GROUND MOUNTED SERVICE)

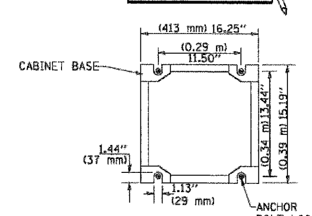
SERVICE INSTALLATION POLE MOUNT (SHOWN)

(NOT TO SCALE)



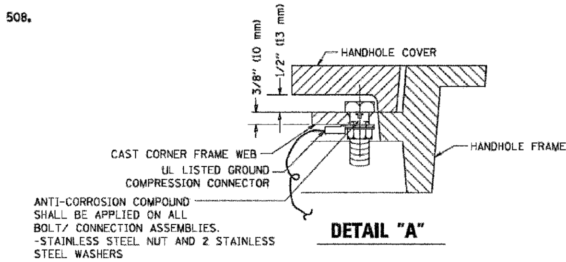
SERVICE INSTALLATION GROUND MOUNT

(NOT TO SCALE)



CABINET – BASE BOLT PATTERN

(NOT TO SCALE)



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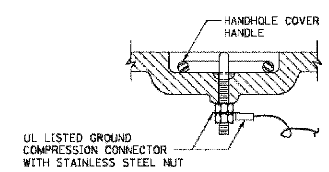

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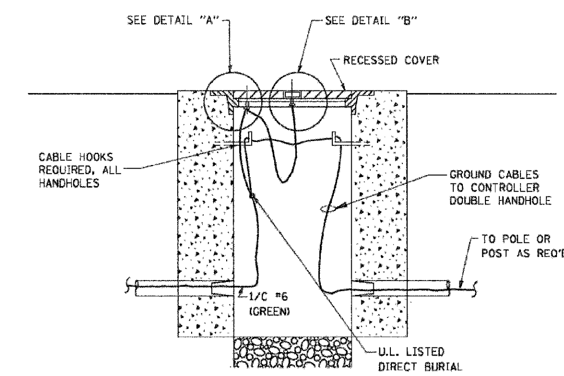
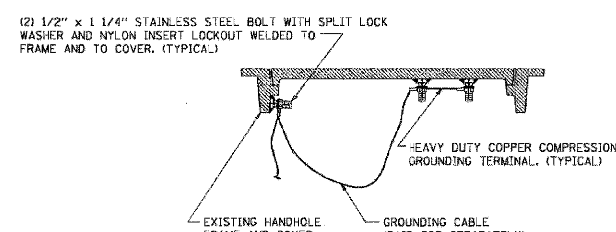


HANDHOLE COVER & FRAME – GROUNDING DETAIL

(NOT TO SCALE)



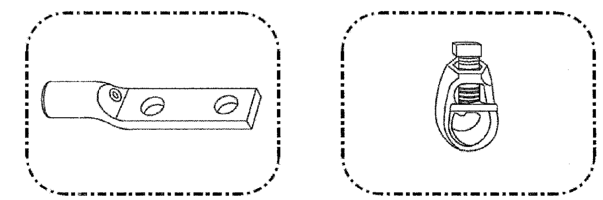
EXISTING HANDHOLE COVER & FRAME – GROUNDING DETAIL

(NOT TO SCALE)

NOTES:

GROUNDING SYSTEM

1. THE GROUNDING SYSTEM SHALL CONSIST OF AN INSULATED CONDUCTOR TYPE XLP, NO. 6 A.W.G., STRANDED COPPER TO BE INSTALLED IN RACEWAYS. THE GROUNDING CABLE SHALL BE INSTALLED IN A CONTINUOUS MANNER AS SHOWN ON THE CABLE PLAN PROVIDED. ALL GROUNDING CONDUCTORS SHALL BE BONDED TO METAL ENCLOSURE (HANDHOLE, POST, MAST ARM, CONTROLLER, ETC.). GROUND ROD SHALL BE 3/4" DIA. x 10'-0" (20mm x 3.0m) LONG, COPPER CLAD. ONE GROUND ROD SHALL BE INSTALLED AT ALL POST FOUNDATIONS, POLE FOUNDATIONS, CONTROLLER CABINET FOUNDATION AND ELECTRICAL SERVICE INSTALLATION AS INDICATED ON THE CABLE PLAN. IF THERE ARE ANY SPECIAL CONDITIONS SUCH AS SUB-SURFACE CONDITIONS OR INSTALLATION PROBLEMS, THE RESIDENT ENGINEER SHALL BE NOTIFIED OR CONTACT THE BUREAU OF TRAFFIC, ILLINOIS DEPARTMENT OF TRANSPORTATION DISTRICT ONE AT (847) 705-4139.
2. THE NEUTRAL CONDUCTOR AND THE GROUND CONDUCTOR SHALL BE CONNECTED IN THE SERVICE INSTALLATION. AT NO OTHER POINT IN THE TRAFFIC SIGNAL SYSTEM SHALL THE NEUTRAL AND GROUND CONDUCTORS BE CONNECTED.
3. ALL EQUIPMENT GROUNDING CONDUCTORS SHALL TERMINATE AT THE GROUND BUS IN THE CONTROLLER CABINET.
4. THE CONTRACTOR SHALL PROVIDE A GROUND CABLE WITH CONNECTORS BETWEEN THE HANDHOLE COVER AND HANDHOLE FRAME.

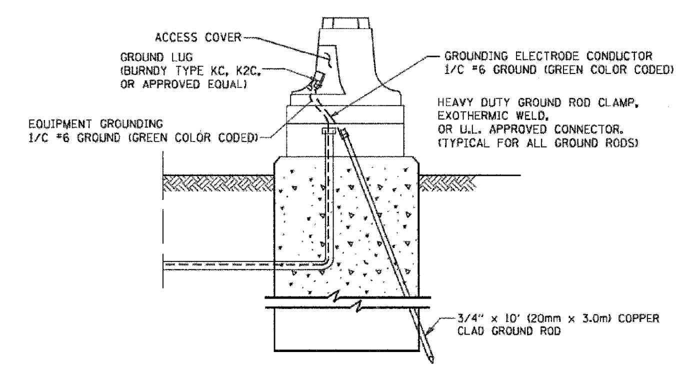


HEAVY-DUTY COMPRESSION TERMINAL (BURNDY TYPE YGHA OR APPROVED EQUAL)

3/4" (20mm) HEAVY-DUTY GROUND ROD CLAMP (BURNDY TYPE GRC OR APPROVED EUAL)

NOTES:

- ALL CLAMPS SHALL BE BRONZE OR COPPER, UL APPROVED.
- GROUND CABLE SHALL BE LOOPED OVER HOOKS IN THE HANDHOLES 6.5' (2.0m) SLACK SHALL BE PROVIDED IN SINGLE HANDHOLES 13' (4.0m) OF SLACK SHALL BE PROVIDED IN DOUBLE HANDHOLES. 5' (1.4m) OF SLACK SHALL BE PROVIDED BETWEEN FRAME AND COVER.



MAST ARM POLE / POST–GROUNDING DETAIL

(NOT TO SCALE)

REVISIONS	
NAME	DATE
CADD	5/30/00
CADD	3/15/01
BUREAU OF TRAFFIC	1/01/02

ILLINOIS DEPARTMENT OF TRANSPORTATION

DISTRICT ONE STANDARD TRAFFIC SIGNAL DESIGN DETAILS

SCALE: NONE

DATE: 2/15/2006

DRAWN BY: RWP
DESIGNED BY: DAD
CHECKED BY: DAZ
SHEET 3 OF 4

TS05

REVISION DATE:01/01/02

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PROFILE: NOTE BOOK NO. — SURVEYED, PLOTTED, GRADES CHECKED, B.M. NOTED, STRUCTURE NOTATNS CHKD

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ILLINOIS DEPARTMENT OF TRANSPORTATION

F.A.U. 2508 – DOUGLAS ROAD (U.S. RTE 34 TO U.S. RTE 30)

STANDARD TRAFFIC SIGNAL DESIGN DETAILS

SCALE: VERT. HORIZ.

DATE

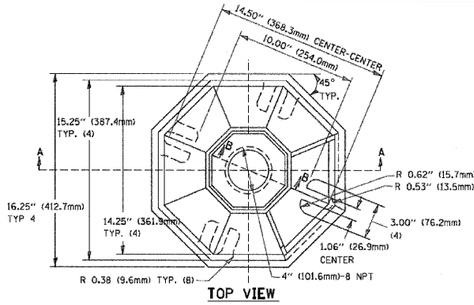
DRAWN BY MJF

CHECKED BY CRF

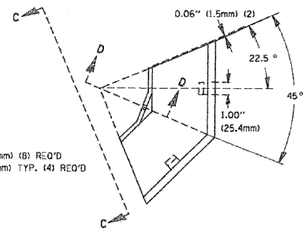
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2508	02-00039-00-PV	KENDALL	146	100
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

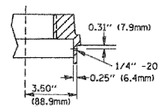
87333

CONTRACT NO.

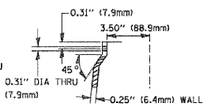


TOP VIEW

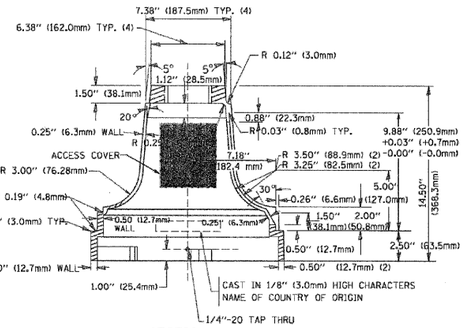




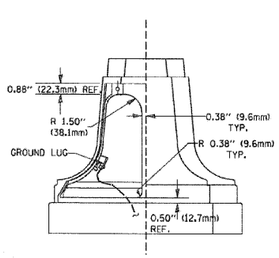
SECTION B-B



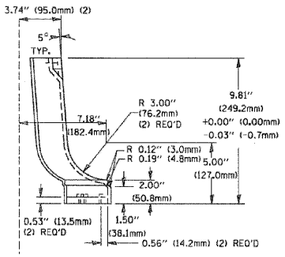
SECTION D-D



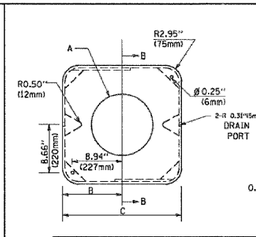
SECTION A-A

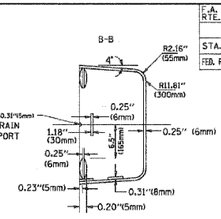


VIEW C-C



TRAFFIC SIGNAL POST - MOUNTING BASE - TYPE A



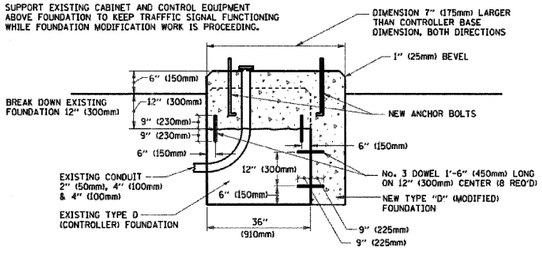


MATERIAL:
- ASTM A48 CLASS 30 GREY IRON
- ASTM A123 HOT DIPPED GALVANIZED

TYPE	A	B	C	HEIGHT	WEIGHT
I	Ø 10.125"(257mm)	9.5"(241mm)	19"(483mm)	12" (300mm)	24kg
II	Ø 11.125"(283mm)	10.75"(273mm)	21.5"(546mm)	12" (300mm)	26kg

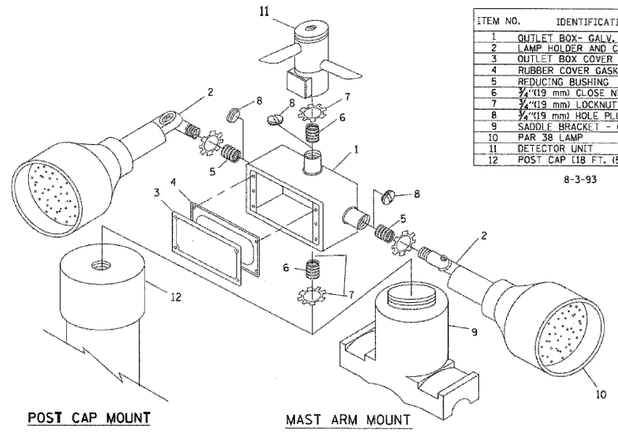
SHROUD DETAIL

NOTE:
SUPPORT EXISTING CABINET AND CONTROL EQUIPMENT ABOVE FOUNDATION TO KEEP TRAFFFIC SIGNAL FUNCTIONING WHILE FOUNDATION MODIFICATION WORK IS PROCEEDING.



MODIFY EXISTING TYPE "D" FOUNDATION

(NOT TO SCALE)



ITEM NO.	IDENTIFICATION
1	OUTLET BOX- GALV. 21 CU.IN. (0.000344 CU-M)
2	LAMP HOLDER AND COVER
3	OUTLET BOX COVER
4	RUBBER COVER GASKET
5	REDUCING BUSHING
6	¾"(19 mm) CLOSE NIPPLE
7	¾"(19 mm) LOCKNUT
8	¾"(19 mm) HOLE PLUG
9	SADDLE BRACKET - GALV.
10	PAR 38 LAMP
11	DETECTOR UNIT
12	POST CAP (18 FT. (5.4 m) POST MIN.)

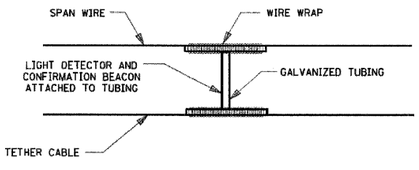
8-3-93

NOTES:

1. ALL ELECTRICAL ITEMS, EXCEPT ITEMS #2 AND #11 SHALL BE ALUMINUM OR GALVANIZED
2. ITEM #1- OZ/GEDNEY FSX-1-50 OR EQUIVALENT
   ITEM #2- MULBERRY CON-O-SHADE LAMP SHIELD OR EQUIVALENT
   ITEM #9- "BAND-IT" SADDLE BRACKET OR EQUIVALENT
3. WHEN POST MOUNTING IS SPECIFIED, ITEM #9 SHALL NOT BE REQUIRED. THE DETECTION UNIT SHALL BE MOUNTED DIRECTLY ON TOP OF THE CAP BY DRILLING AND TAPPING A ¾"(19 mm) HOLE WITH PIPE THREADS. THE POST CAP SHALL EITHER BE SCREWED TO THE TOP OF THE POST OR A MINIMUM OF 3 TIGHTENING SCREWS SHALL BE REQUIRED ON EACH CAP.

POST CAP MOUNT MAST ARM MOUNT

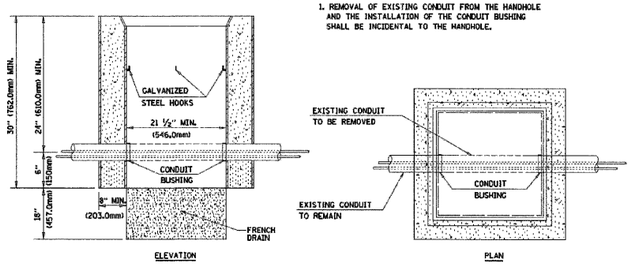
EMERGENCY VEHICLE DETECTOR WITH CONFIRMATION BEACON MOUNTING DETAIL



LIGHT DETECTOR AND CONFIRMATION BEACON MOUNTING FOR TEMPORARY TRAFFIC SIGNALS

(NOT TO SCALE)

NOTES:
1. REMOVAL OF EXISTING CONDUIT FROM THE HANDHOLE AND THE INSTALLATION OF THE CONDUIT BUSHING SHALL BE INCIDENTAL TO THE HANDHOLE.



DETAIL
HANDHOLE TO INTERCEPT EXISTING CONDUIT
N.T.S.

REVISIONS NAME	DATE
BUREAU OF TRAFFIC	5/30/00
BUREAU OF TRAFFIC	3/15/01
BUREAU OF TRAFFIC	11/12/01
BUREAU OF TRAFFIC	1-01-02

ILLINOIS DEPARTMENT OF TRANSPORTATION

DISTRICT ONE
STANDARD TRAFFIC SIGNAL
DESIGN DETAILS

SCALE: NONE
DATE: 2/15/2006

DRAWN BY: RWP
DESIGNED BY: DAD
CHECKED BY: DAZ
SHEET 4 OF 4

TS05

REVISION DATE: 01/01/02

ILLINOIS DEPARTMENT OF TRANSPORTATION

F.A.U. 2508 – DOUGLAS ROAD
(U.S. RTE 34 TO U.S. RTE 30)

STANDARD TRAFFIC SIGNAL
DESIGN DETAILS

SCALE: VERT.
HORIZ.
DATE

DRAWN BY MJF
CHECKED BY CRF

PLAN / PROFILE
SURVEYED / DATE
GRADES CHECKED / DATE
NOTE BOOK / BAR. NOTED
NO. / STRUCTURE NO(S) ATING CHKD
BY / DATE
ALIGNMENT CHECKED / DATE
PLT. OF WAY CHECKED / DATE
JOB / FILE NAME

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3/28/2007
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