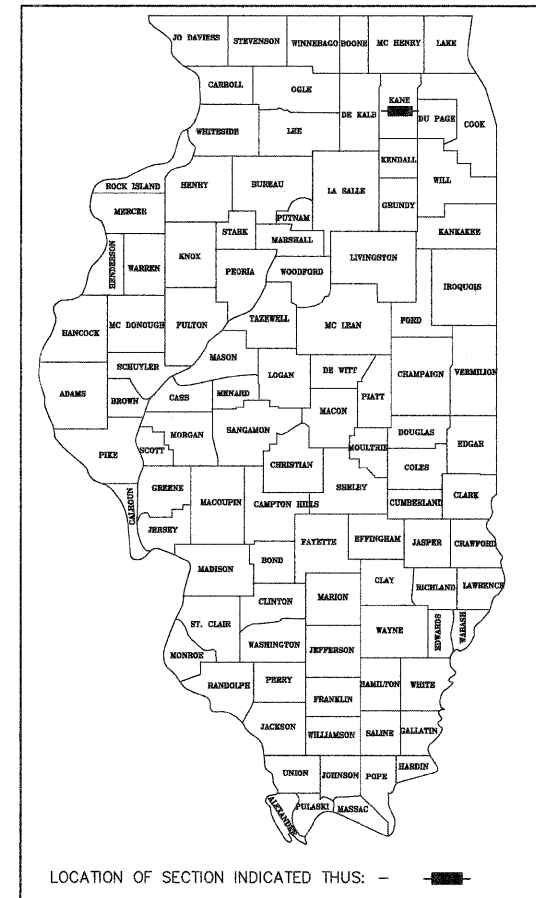


FOR INDEX OF SHEETS, SEE SHEET NO.2

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION DIVISION OF HIGHWAYS PLANS FOR PROPOSED FEDERAL AID PROJECT RESURFACING

**McDONALD ROAD - FAP ROUTE 537
PROJECT NO. ARA-9003 (224)
SECTION NO. 09-00001-00-RS
FROM BURLINGTON ROAD (FAS 104)
TO KENDALL ROAD
VILLAGE OF CAMPTON HILLS
KANE COUNTY
JOB NO. C-91-282-09**

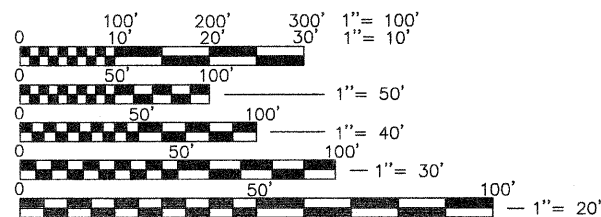
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
537	09-00001-00-RS	KANE	12	1
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT - LAPP		
CONTRACT NO. 63153				



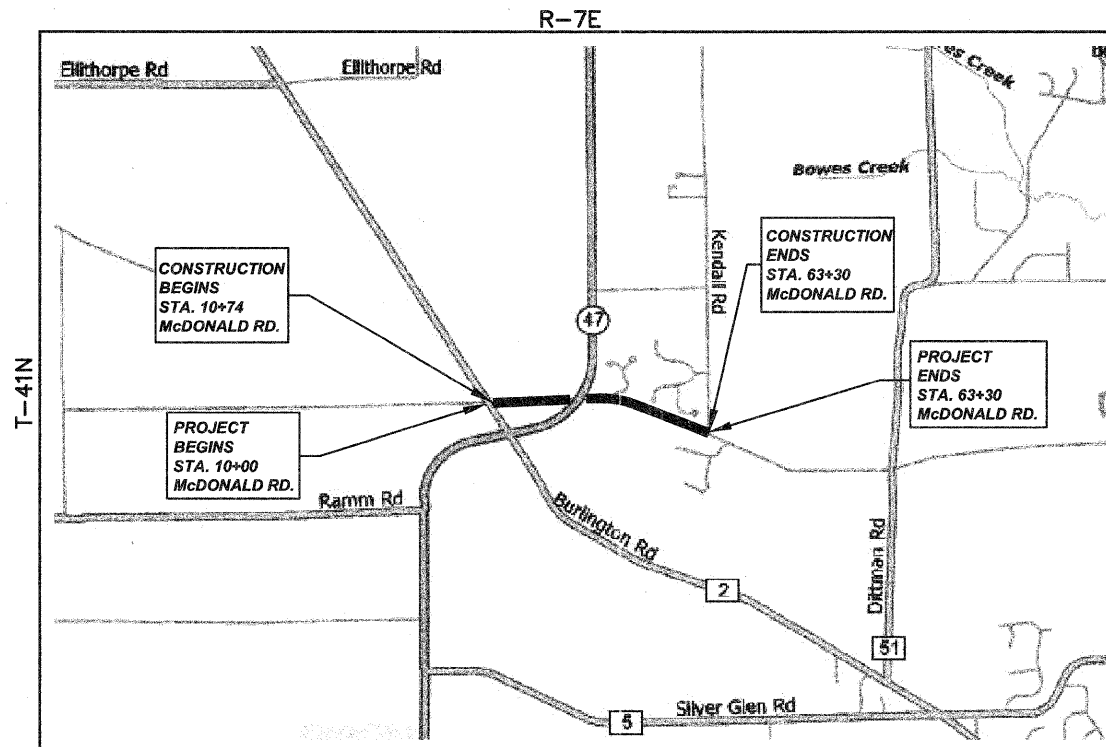
FIELD ENGINEER: MARILYN SOLOMON (847) 705-4407

CONSULTING ENGINEER: ENGINEERING ENTERPRISES, INC.
CONTACT: SCOT H. PRINDIVILLE (630)-683-3100

DESIGN DESIGNATION	
McDONALD ROAD:	MINOR ARTERIAL DESIGN SPEED = 55 M.P.H. POSTED SPEED = 55 M.P.H. ADT(2008) = 1400



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.



NW 1/4, SW 1/4 AND SE 1/4 SEC. 32, T-41N, R-7E

LOCATION MAP
N.T.S.

GROSS LENGTH OF PROJECT = 5,330 FEET (1.01 MILES)
NET LENGTH OF PROJECT = 5,116 FEET (0.97 MILES)

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

CONTRACT 63153

TOPOGRAPHICAL INFORMATION FROM SURVEY
BY ENGINEERING ENTERPRISES, INC.

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

APPROVED March 31, 2009
Darcy Smith Village President
LOCAL AGENCY POSITION

PASSED April 06, 2009
Chet Chesnut
DISTRICT 1 ENGINEER OF LOCAL ROADS & STREETS

RELEASING FOR BID
BASED ON LIMITED
REVIEW APRIL 06, 2008
Diana M. O'Keefe
DEPUTY DIRECTOR OF HIGHWAYS, REGION 1 ENGINEER

DATE: 3/31/09

BY: *Scot H. Prindiville*
SCOT H. PRINDIVILLE

LICENSE EXPIRES: NOVEMBER 30, 2009

SEAL

Engineering Enterprises, Inc.
CONSULTING ENGINEERS
52 Wheeler Road
Sugar Grove, Illinois 60554
P: 630.466.6700 - W: www.eeiweb.com

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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
637	09-00001-00-RS	KANE	12	2
CONTRACT NO. 63153				

GENERAL NOTES AND CONSTRUCTION SPECIFICATIONS

- The Contractor shall obtain, erect, maintain and remove all signs, barricades, flaggers and other traffic control devices as may be necessary for the purpose of regulating, warning or guiding traffic. Placement and maintenance of all traffic control devices shall be in accordance with the applicable parts of Article 107.14 of the Standard specifications and the Illinois Manual on Uniform Traffic Control Devices for Streets and Highways.
- Location of utilities shown on plans are approximate only, and are not necessarily complete. Contractor shall make his own investigations as to location of all existing underground structures, cables and pipe lines.
- All elevations are based on U.S.G.S. Datum.
- All road signs, street signs and traffic signs which need to be relocated or moved due to construction shall be taken down and stored by the Contractor except those that are necessary for proper traffic control which shall be temporarily reset until completion of construction operations. After completion of the work, the Contractor shall reset all said signs. The work shall be included in the traffic control pay items, and shall not be paid for separately.
- Special attention is drawn to the fact that Article 105.06 of the standard specifications requires the Contractor to have a competent superintendent on the project site at all times, irrespective of the amount of work sublet. The superintendent shall be capable of reading and understanding the plans and specifications, shall have full authority to execute orders to expedite the project, shall be responsible for scheduling and have control of all work as the agent of the Contractor. Failure to comply with this provision will result in a suspension of work as provided in Article 108.08.
- Any reference to standards throughout the plans or special provisions shall be interpreted as the latest standard of the department as shown on the plans.
- The Contractor shall protect and carefully preserve all section or subsection monuments or property or reference markers until the owner, his or her agent or an authorized surveyor has witnessed or otherwise referenced their locations.
- The unit price for all removal pay items shall include all required saw cuts.
- All work performed relative to this improvement shall comply with all applicable rules and regulations of O.S.H.A.
- Contractor shall provide and install two weighted sand bags on each Type I or Type II Barricade used. (One weighted sand bag across each bottom rail.) This work will not be paid for separately, but shall be considered as included in the contract unit price for the construction items involved and no additional compensation will be allowed.
- Before starting any excavation, the Contractor shall call "JULIE" at 800-892-0123 for field locations of buried electric, telephone and gas facilities. (48 hour notification is required)
- The Contractor shall coordinate construction activities with utility companies and the Village of Campton Hills.
- When milled pavement is open to traffic the maximum grade differential between passes of the milling machine shall not exceed 1 1/2 inches (40 mm) where the speed limit is 45 mph (80 km/h) or less and 1 inch (25 mm) where the speed limit is greater than 45 mph (80 km/h). With written approval from the Engineer, a maximum grade differential of 3 inches (75 mm) may be allowed if the edge of the milling is sloped a minimum 1:3 (V:H).
- Butt joints will be installed at the ends of all resurfacing (where the resurfacing meets existing pavement) in accordance with the "Butt Joint and HMA Taper Details" sheet included in the plans, unless otherwise specified.

15. Whenever, during construction operations any loose material is deposited in the flow line of drainage structures such that the natural flow of water is obstructed, it shall be removed at the close of each working day. At the conclusion of construction operations, all drainage structures shall be free from dirt and debris. The work specified above will not be paid for separately, but shall be considered as included in the contract pay items.

16. Existing public and private utilities are shown on the plans according to information obtained from utility companies, municipalities, and surveys. The Contractor shall familiarize himself with the location of all utilities and structures that may be found in the vicinity of the construction. The Contractor will also assume responsibility for all utilities whether shown or not, and must realize that the actual locations and/or elevations of the utilities may be different than indicated.

Should any damages occur due to the Contractor's negligence, the Contractor, at his or her own expense, shall make repairs in a manner acceptable to the Engineer. The Contractor shall notify all utility companies of his or her construction schedule and coordinate construction operations with the utility companies so that relocation of utility lines and structures may proceed in an orderly manner.

17. During construction, if the Contractor encounters or otherwise becomes aware of any sewer, underdrains or field drains within the right-of-way other than those shown on the plans, he or she shall so inform the Engineer who shall direct the work necessary to maintain or to replace the facilities in service and to protect them from damage during construction if to be maintained. Existing facilities to be maintained that are damaged because of non-compliance with this provision shall be replaced at the Contractor's own expense.

18. McDonald Road shall remain open to traffic at all times. When necessary to close one lane of McDonald Road due to construction, the Contractor shall maintain a minimum of one-way traffic during construction hours with the use of signs and flagmen as shown on the Traffic Control Standards. Two lanes of traffic shall be maintained at all other times when no construction activities are being carried on. Access to all adjoining properties shall be maintained at all times.

INDEX OF SHEETS

SHEET NO.	SHEET DESCRIPTION
1.	COVER SHEET AND LOCATION MAP
2.	GENERAL NOTES, STATE STANDARDS, AND INDEX OF SHEETS
3.	SUMMARY OF QUANTITIES
4.	TYPICAL EXISTING CROSS SECTIONS AND REMOVAL WORK
5.	TYPICAL PROPOSED CROSS SECTIONS
6.	PLAN, CONSTRUCTION NOTES, AND DETAILS
7.	PLAN, CONSTRUCTION NOTES, AND DETAILS
8.	PLAN, CONSTRUCTION NOTES, AND DETAILS
9.	PLAN, CONSTRUCTION NOTES, AND DETAILS
DISTRICT ONE CADD DETAILS	
10.	(TC-10) TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS
11.	(TC-13) TYPICAL PAVEMENT MARKINGS
12.	(BD-32) BUTT JOINT AND HMA TAPER DETAILS

LEGEND

EXISTING	DESCRIPTION	PROPOSED
	SANITARY SEWER	
	STORM SEWER	
	END SECTION	
	WATER MAIN & SIZE	
	WATER SERVICE & BOX	
	CONTOUR	
	GAS MAIN	
	TELEPHONE CABLE	
	MANHOLE	
	CATCH BASIN	
	INLET	
	HYDRANT	
	VALVE VAULT	
	TREE	
	ELEVATION	
	STREET LIGHT SIGNS	
	FOUND IRON PIPE	
	GUY WIRE	
	FLAG POLE	
	UTILITY POLE	
	UTILITY PEDESTAL	
	HANDHOLE	

STATE STANDARDS

STD. NO.	DESCRIPTION
000001-05	STANDARD SYMBOLS, ABBREVIATIONS, AND PATTERNS
406201-01	MAILBOX TURNOUT
442201-03	CLASS C AND D PATCHES
701306-02	LANE CLOSURE 2L, 2W SLOW MOVING OPERATIONS-DAY ONLY, FOR SPEEDS >45 MPH
701501-05	URBAN LANE CLOSURE, 2L, 2W, UNDIVIDED
701701-06	URBAN LANE CLOSURE, MULTILANE INTERSECTION
701901-01	TRAFFIC CONTROL DEVICES
780001-02	TYPICAL PAVEMENT MARKINGS

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VILLAGE OF CAMPTON HILLS
KANE COUNTY, ILLINOIS

NO.	DATE	REVISIONS
1	02-17-09	REVISED PER IDOT COMMENTS

McDONALD ROAD
LAPP IMPROVEMENTS

GENERAL NOTES, STATE STANDARDS, AND INDEX OF SHEETS

DATE: DECEMBER 2008
PROJECT NO: CH0803
FILE: CH0803-CVR
SHEET 2 OF 12

Path: \\SSKPR01\CH0803\DWG\FINAL ENG\CH0803-CVR

SUMMARY OF QUANTITIES

CODE NO.	PAY ITEM	UNIT	CONST. CODE 1000 QUANTITY
40600100	BITUMINOUS MATERIALS (PRIME COAT)	GALLON	1,210
40600300	AGGREGATE (PRIME COAT)	TON	27
40600625	LEVELING BINDER (MACHINE METHOD), N50	TON	850
40600895	CONSTRUCTING TEST STRIP	EACH	1
40600982	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT	SQ YD	252
40603310	HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N50	TON	1,360
44000155	HOT-MIX ASPHALT SURFACE REMOVAL, 1 1/2"	SQ YD	11,948
44201717	CLASS D PATCHES, TYPE II, 6 INCH	SQ YD	14
44201721	CLASS D PATCHES, TYPE III, 6 INCH	SQ YD	22
44201723	CLASS D PATCHES, TYPE IV, 6 INCH	SQ YD	72
44300100	AREA REFLECTIVE CRACK CONTROL TREATMENT	SQ YD	162
44300200	STRIP REFLECTIVE CRACK CONTROL TREATMENT	FOOT	10,332
48102100	AGGREGATE WEDGE SHOULDER, TYPE B	TON	256
67100100	MOBILIZATION	L SUM	1
70101700	TRAFFIC CONTROL AND PROTECTION	L SUM	1
70106800	CHANGEABLE MESSAGE SIGN	CAL MO	2
70300100	SHORT-TERM PAVEMENT MARKING	FOOT	146
70301000	WORK ZONE PAVEMENT MARKING REMOVAL	SQ FT	49
* 78000200	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	FOOT	20,495
* 78000650	THERMOPLASTIC PAVEMENT MARKING - LINE 24"	FOOT	15
* XX006425	RESTORATION	SQ YD	73
Δ Z007660	TRAINEES	HOURL	500
XX007167	HOT-MIX ASPHALT DRIVEWAY, 1 3/4"	SQ YD	412

* INDICATES SPECIALTY ITEMS
Δ Y080

Pictured: March 31, 2009 @ 9:11 AM By: Kris Plung - Tab: 03_Sum of Quant 22534
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 KANE COUNTY, ILLINOIS

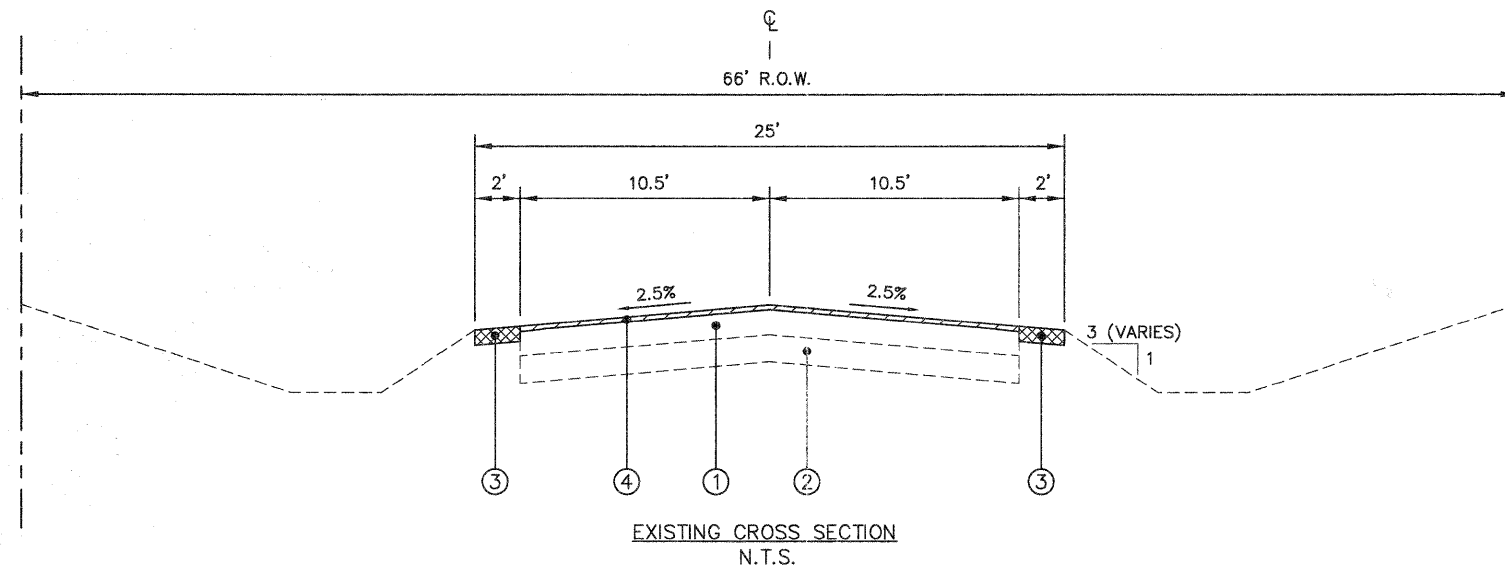
1	02-17-09	REVISED PER IDOT COMMENTS
NO.	DATE	REVISIONS

McDONALD ROAD
LAPP IMPROVEMENTS

SUMMARY OF QUANTITIES

DATE:	DECEMBER 2008
PROJECT NO:	CH0803
FILE:	CH0803-CVR
SHEET	3 OF 12

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
637	09-00001-00-RS	KANE	12	4
CONTRACT NO. 63153				



LEGEND	
①	EXISTING 5" - 7" ASPHALT PAVEMENT
②	EXISTING 6" - 11" AGGREGATE BASE
③	EXISTING 2' AGGREGATE SHOULDER
④	HOT-MIX ASPHALT SURFACE REMOVAL, 1 1/2"
⑤	HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N50, 2"
⑥	LEVELING BINDER (MACHINE METHOD), N50, 1 1/4"
⑦	BITUMINOUS MATERIALS (PRIME COAT) AND AGGREGATE (PRIME COAT)
⑧	AGGREGATE WEDGE SHOULDER, TYPE B
⑨	RESTORATION (AS NEEDED)

OBSERVED PAVEMENT THICKNESSES								
CORE NO.	1	2	3	4	5	6	7	8
ASPHALT THICKNESS (IN.)	6.5	5.5	5.0	7.0	5.75	5.5	5.5	7.0
SUBBASE THICKNESS (IN.)	9.5	7.0	11.0	8.0	7.0	6.0	10.25	6.5
APPROXIMATE STATION	10+50	17+75	25+00	32+25	39+50	46+75	54+00	61+25
APPROXIMATE OFFSET (FT.)	8' R	8' L	8' R	8' L	8' R	8' L	8' R	8' L

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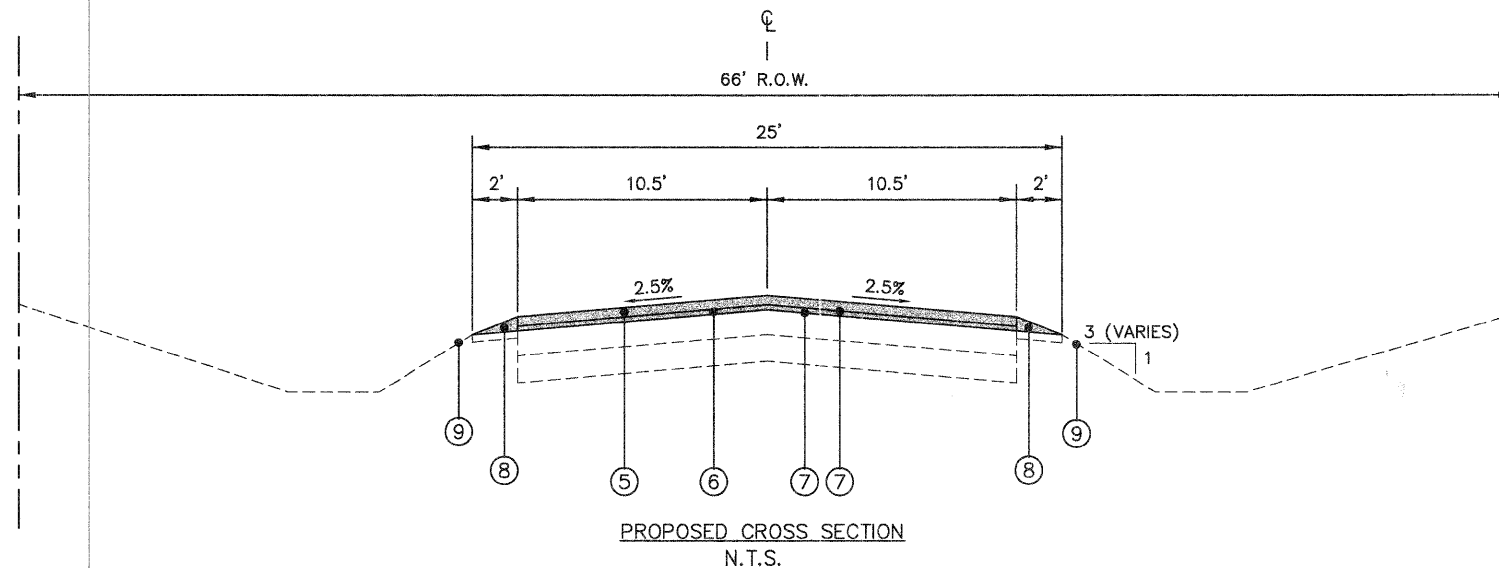
NO.	DATE	REVISIONS
1	02-17-09	REVISED PER IDOT COMMENTS

McDONALD ROAD
LAPP IMPROVEMENTS

TYPICAL EXISTING
CROSS SECTIONS
AND REMOVAL WORK

DATE:	DECEMBER 2008
PROJECT NO:	CH0803
FILE:	CH0803-CVR
SHEET	4 OF 12

Path: \\S:\PROJECTS\CH0803\DWG\DWG_FINAL_ENG\CH0803-CVR



LEGEND	
①	EXISTING 5" - 7" ASPHALT PAVEMENT
②	EXISTING 6" - 11" AGGREGATE BASE
③	EXISTING 2' AGGREGATE SHOULDER
④	HOT-MIX ASPHALT SURFACE REMOVAL, 1 1/2"
⑤	HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N50, 2"
⑥	LEVELING BINDER (MACHINE METHOD), N50, 1 1/4"
⑦	BITUMINOUS MATERIALS (PRIME COAT) AND AGGREGATE (PRIME COAT)
⑧	AGGREGATE WEDGE SHOULDER, TYPE B
⑨	RESTORATION (AS NEEDED)

HOT-MIX ASPHALT MIXTURE REQUIREMENTS TABLE		
PAY ITEM DESCRIPTION	AC TYPE	VOIDS
LEVELING BINDER (MACHINE METHOD), N50, 1 1/4" (1L-9.5MM)	PG 64-22*	4% @ 50
HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N50, 2" (1L-9.5MM)	PG 64-22	4% @ 50
HOT-MIX ASPHALT DRIVEWAY, 1 3/4" (1L-9.5MM)	PG 64-22	4% @ 50
CLASS "D" PATCHES, VARIED TYPES, 6", (HMA BINDER 1L-19.0MM)	PG 64-22*	4% @ 70

NOTES:
 - UNIT WEIGHT USED TO CALCULATE ALL HOT-MIX SURFACE MIXTURES IS 112 LBS/SY/IN
 * WHEN RAP EXCEEDS 20%, THE NEW ASPHALT BINDER IN THE MIX SHALL BE PG 58-22

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 KANE COUNTY, ILLINOIS

NO.	DATE	REVISIONS
1	02-17-09	REVISED PER IDOT COMMENTS

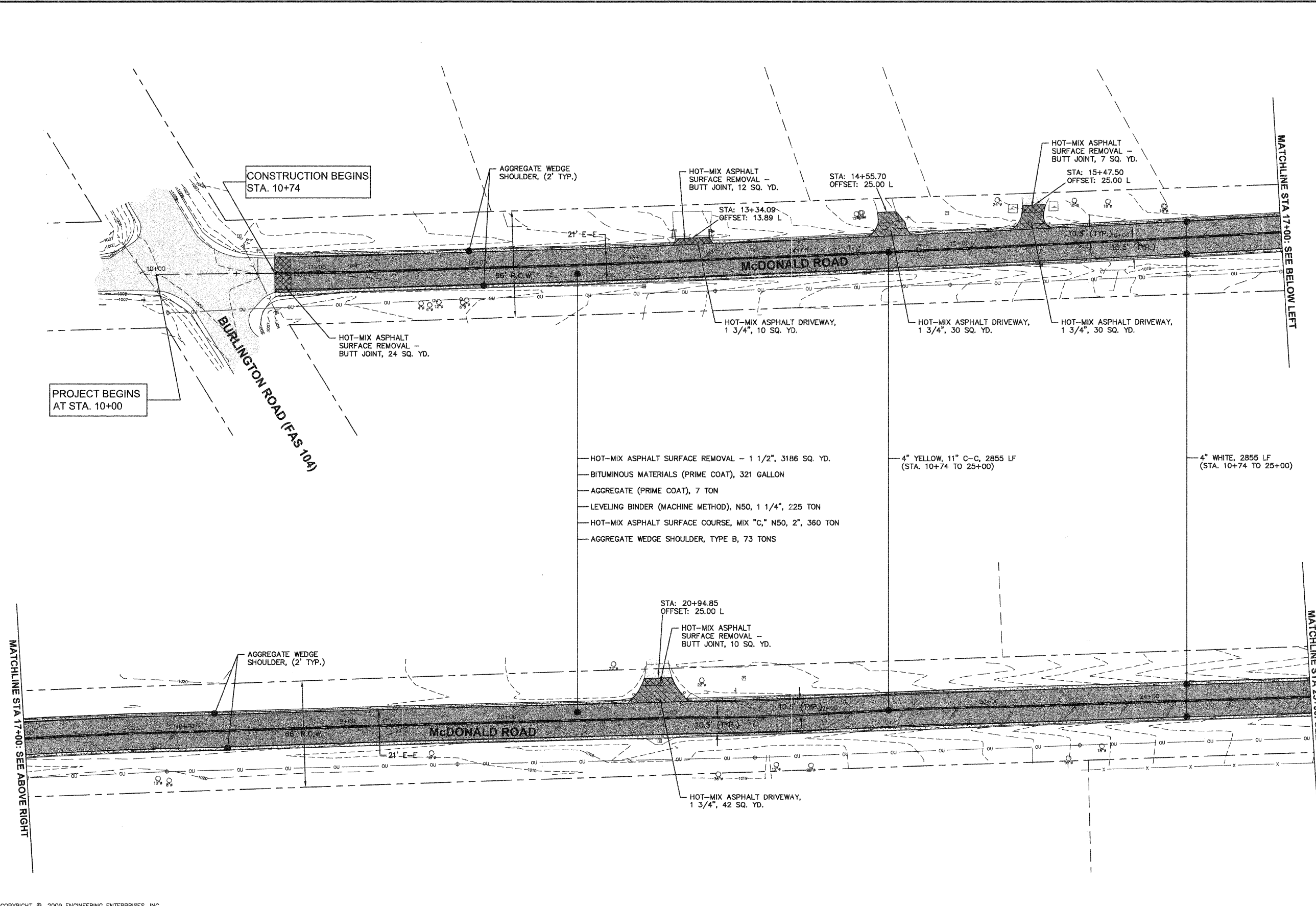
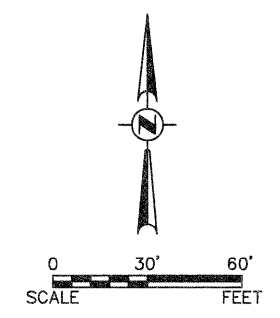
McDONALD ROAD
LAPP IMPROVEMENTS

TYPICAL PROPOSED
CROSS SECTIONS

DATE: DECEMBER 2008
 PROJECT NO: CH0803
 FILE: CH0803-CVR
 SHEET **5** OF **12**

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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
537	09-00001-00-RS	KANE	12	6
CONTRACT NO. 63153				



- HOT-MIX ASPHALT SURFACE REMOVAL - 1 1/2", 3186 SQ. YD.
- BITUMINOUS MATERIALS (PRIME COAT), 321 GALLON
- AGGREGATE (PRIME COAT), 7 TON
- LEVELING BINDER (MACHINE METHOD), N50, 1 1/4", 225 TON
- HOT-MIX ASPHALT SURFACE COURSE, MIX "C," N50, 2", 360 TON
- AGGREGATE WEDGE SHOULDER, TYPE B, 73 TONS

- RESURFACING
- CLASS D PATCHES
- HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT
- HOT-MIX ASPHALT DRIVEWAY, 1 3/4"
- AGGREGATE WEDGE SHOULDER, TYPE B

- NOTES:
1. AREA REFLECTIVE CRACK CONTROL TO BE USED IN ALL PATCHED AREAS AND AS DIRECTED BY THE ENGINEER.
 2. STRIP REFLECTIVE CRACK CONTROL TO BE USED FOR ALL LONGITUDINAL CRACKS, AND TRANSVERSE CRACKS AS DIRECTED BY THE ENGINEER.

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VILLAGE OF CAMPTON HILLS
 KANE COUNTY, ILLINOIS

NO.	DATE	REVISIONS
1	02-17-09	REVISED PER IDOT COMMENTS

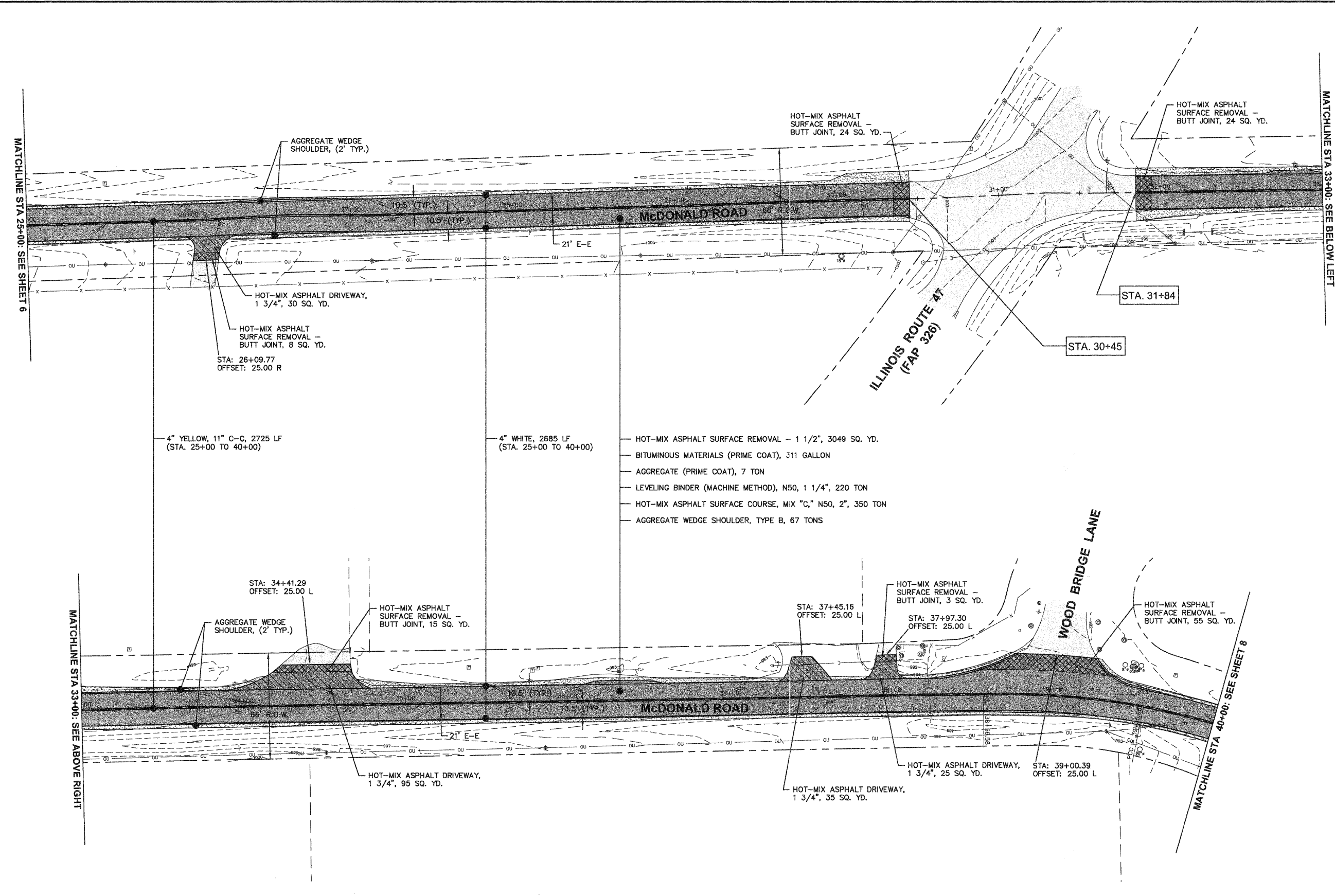
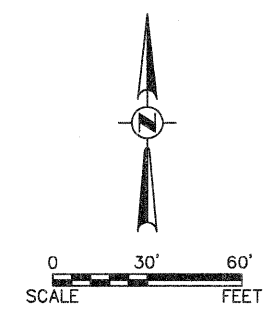
McDONALD ROAD
LAPP IMPROVEMENTS

PLAN, CONSTRUCTION
NOTES, AND DETAILS
STA. 10+00 TO STA. 25+00

DATE: DECEMBER 2008
PROJECT NO: CH0803
FILE NO: CH0803-PLAN
SHEET 6 OF 12

Path: \\S:\SR00\CH0803\DWG\DWG_FINAL_ENG\CH0803-PLAN

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
537	09-00001-00-RS	KANE	12	7
CONTRACT NO. 63153				



- HOT-MIX ASPHALT SURFACE REMOVAL - 1 1/2", 3049 SQ. YD.
- BITUMINOUS MATERIALS (PRIME COAT), 311 GALLON
- AGGREGATE (PRIME COAT), 7 TON
- LEVELING BINDER (MACHINE METHOD), N50, 1 1/4", 220 TON
- HOT-MIX ASPHALT SURFACE COURSE, MIX "C," N50, 2", 350 TON
- AGGREGATE WEDGE SHOULDER, TYPE B, 67 TONS

- RESURFACING
- CLASS D PATCHES
- HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT
- HOT-MIX ASPHALT DRIVEWAY, 1 3/4"
- AGGREGATE WEDGE SHOULDER, TYPE B

- NOTES:
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VILLAGE OF CAMPTON HILLS
 KANE COUNTY, ILLINOIS

NO.	DATE	REVISIONS
1	02-17-09	REVISED PER IDOT COMMENTS

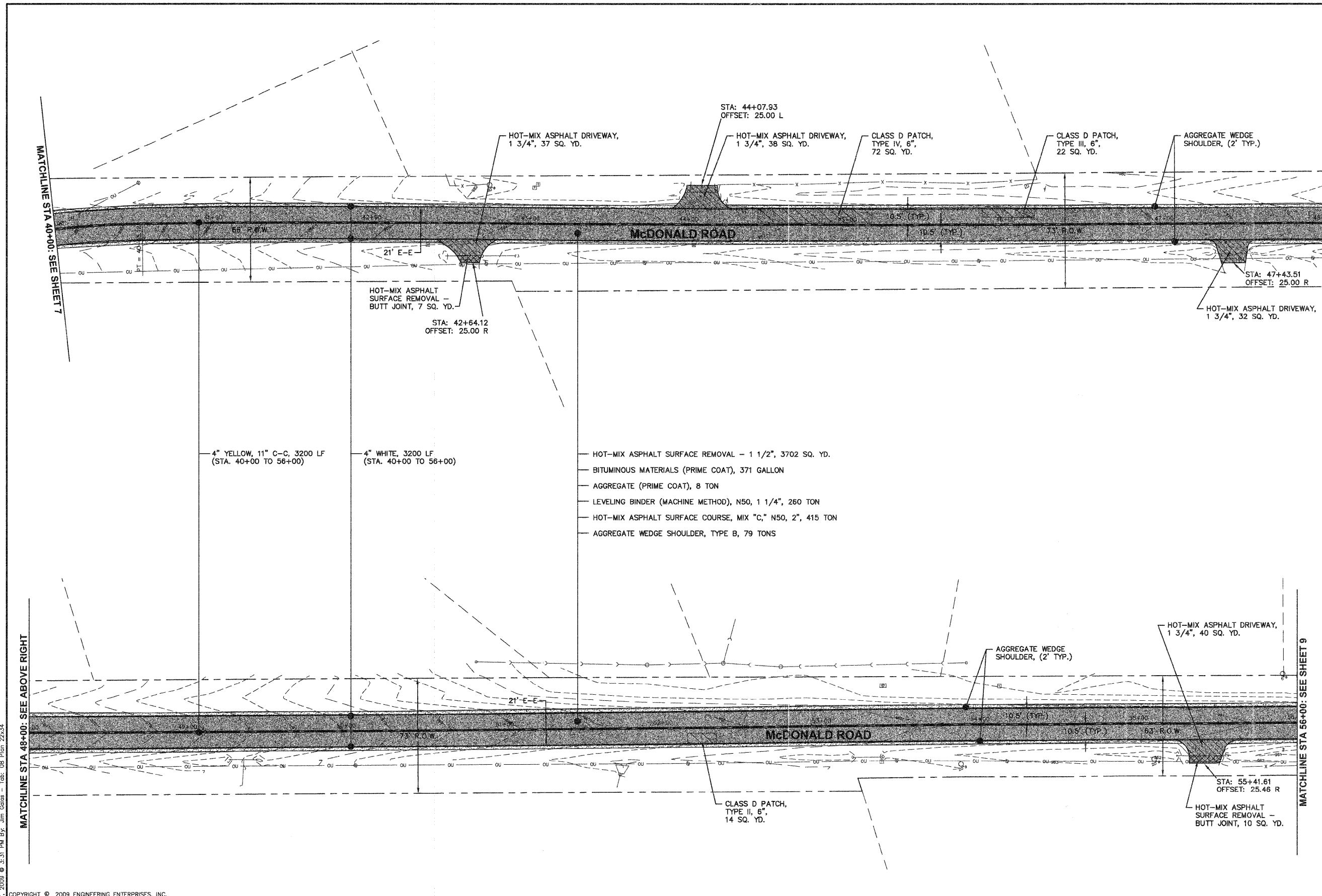
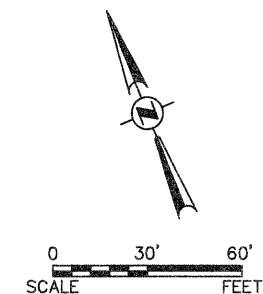
McDONALD ROAD
LAPP IMPROVEMENTS

PLAN, CONSTRUCTION
NOTES, AND DETAILS
STA. 25+00 TO STA. 40+00

DATE: DECEMBER 2008
PROJECT NO: CH0803
FILE NO: CH0803-PLAN
SHEET 7 OF 12

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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
537	09-00001-00-RS	KANE	12	8
CONTRACT NO. 63153				



- RESURFACING
- CLASS D PATCHES
- HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT
- HOT-MIX ASPHALT DRIVEWAY, 1 3/4"
- AGGREGATE WEDGE SHOULDER, TYPE B

- NOTES:**
- AREA REFLECTIVE CRACK CONTROL TO BE USED IN ALL PATCHED AREAS AND AS DIRECTED BY THE ENGINEER.
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VILLAGE OF CAMPTON HILLS
 KANE COUNTY, ILLINOIS

NO.	DATE	REVISIONS
1	02-17-09	REVISED PER IDOT COMMENTS

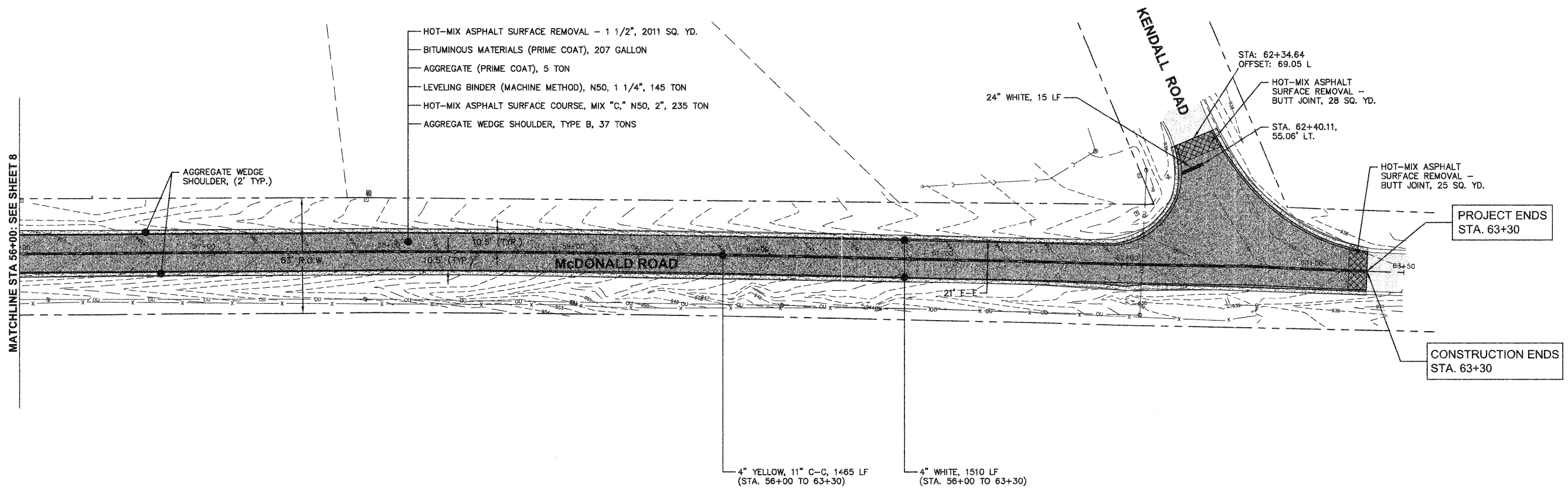
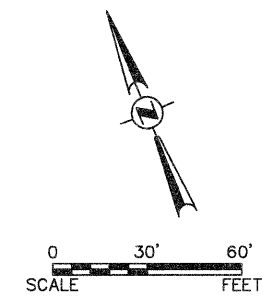
McDONALD ROAD
LAPP IMPROVEMENTS

PLAN, CONSTRUCTION
NOTES, AND DETAILS
STA. 40+00 TO STA. 56+00

DATE:	DECEMBER 2008
PROJECT NO:	CH0803
FILE NO:	CH0803-PLAN
SHEET	8 OF 12

Path: H:\SISKROD\CH0803\DWG\FINAL_ENG\CH0803-PLAN

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
537	09-00001-00-RS	KANE	12	9
CONTRACT NO. 63153				



PROJECT ENDS
STA. 63+30

CONSTRUCTION ENDS
STA. 63+30

4" YELLOW, 11" C-C, 1465 LF
(STA. 56+00 TO 63+30)

4" WHITE, 1510 LF
(STA. 56+00 TO 63+30)

- RESURFACING
- CLASS D PATCHES
- HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT
- HOT-MIX ASPHALT DRIVEWAY, 1 3/4"
- AGGREGATE WEDGE SHOULDER, TYPE B

- NOTES:
- AREA REFLECTIVE CRACK CONTROL TO BE USED IN ALL PATCHED AREAS AND AS DIRECTED BY THE ENGINEER.
 - STRIP REFLECTIVE CRACK CONTROL TO BE USED FOR ALL LONGITUDINAL CRACKS, AND TRANSVERSE CRACKS AS DIRECTED BY THE ENGINEER.

Pictured: February 17, 2009 @ 3:31 PM. By: Jim. Cases - Tab: 08 Plan 22334
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 CONSULTING ENGINEERS
 52 Wheeler Road
 Sugar Grove, Illinois 60554
 630.466.6700 / www.eeiweb.com

VILLAGE OF CAMPTON HILLS
 KANE COUNTY, ILLINOIS

NO.	DATE	REVISIONS
1	02-17-09	REVISED PER IDOT COMMENTS

McDONALD ROAD
LAPP IMPROVEMENTS

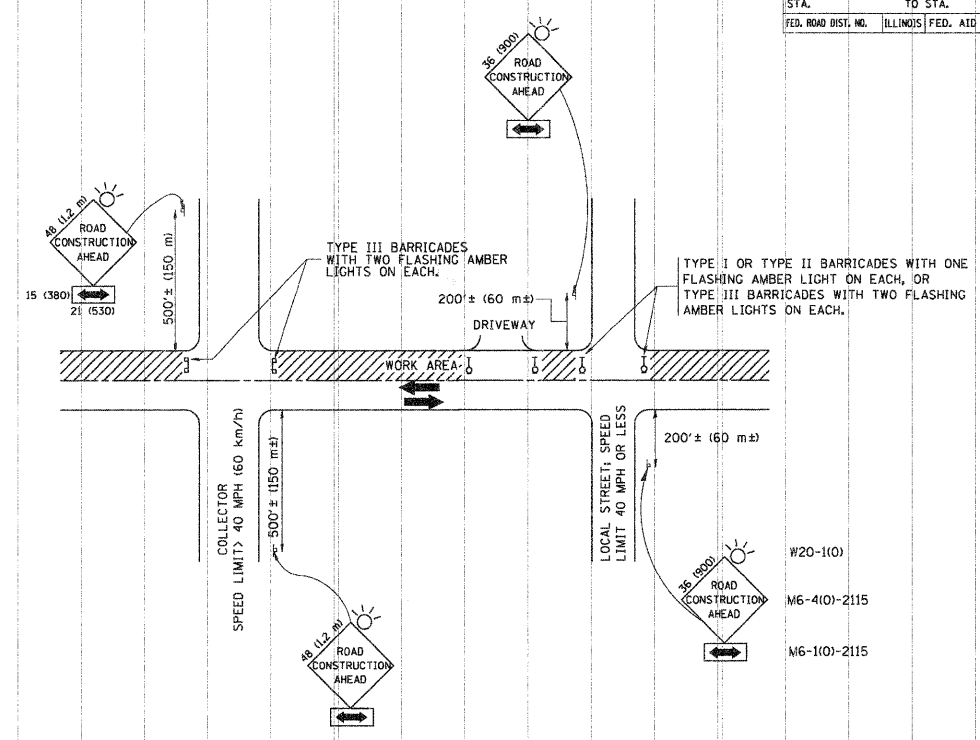
PLAN, CONSTRUCTION
NOTES, AND DETAILS
STA. 56+00 TO STA. 63+30

DATE: DECEMBER 2008
PROJECT NO: CH0803
FILE NO: CH0803-PLAN
SHEET 9 OF 12

Path: \\SISKIYOU\CH0803\DWG\FINAL_ENG\CH0803-PLAN

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
537	09-00001-00-RS	KANE	12	10
CONTRACT NO. 63153				

CONTRACT NO.				
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS

NOTES:

- A. FOR NO LANE RESTRICTION ON THE SIDE ROAD OR DRIVEWAYS
- SIDE ROAD WITH A SPEED LIMIT OF 40 MPH (60 km/h) OR LESS AS SHOWN ON THE DRAWING AND AS DIRECTED BY THE ENGINEER:
 - ONE ROAD CONSTRUCTION AHEAD SIGN 36 x 36 (900x900) WITH A FLASHER AND FLAG MOUNTED ON IT APPROXIMATELY 200' (60 m) IN ADVANCE OF THE MAIN ROUTE.
 - THE CLOSED PORTION OF THE MAIN ROUTE SHALL BE PROTECTED BY BLOCKING WITH TYPE I, TYPE II OR TYPE III BARRICADES, 1/3 OF THE CROSS SECTION OF THE CLOSED PORTION.
 - SIDE ROAD WITH A SPEED LIMIT GREATER THAN 40 MPH (60 km/h) AS SHOWN ON THE DRAWING AND AS DIRECTED BY THE ENGINEER:
 - ONE ROAD CONSTRUCTION AHEAD SIGN 48 x 48 (1.2 m x 1.2 m) WITH A FLASHER MOUNTED ON IT APPROXIMATELY 500' (150 m) IN ADVANCE OF THE MAIN ROUTE.
 - THE CLOSED PORTION OF THE MAIN ROUTE SHALL BE PROTECTED BY BLOCKING WITH TYPE III BARRICADES, 1/2 OF THE CROSS SECTION OF THE CLOSED PORTION.
- B. FOR A LANE CLOSURE ON A SIDE ROAD OR DRIVEWAY:
- USE APPLICABLE PORTIONS OF THE TYPICAL APPLICATION OF TRAFFIC CONTROL DEVICES (STD. 701501 STD. 701606 OR THE APPROPRIATE STANDARD). THE SPACING OF SIGNS AND BARRICADES SHALL BE ADJUSTED FOR FIELD CONDITIONS AS DIRECTED BY THE ENGINEER. THE DIRECTIONAL ARROW SHALL BE COVERED OR REMOVED WHEN NO LONGER CONSISTENT WITH THE SIDE ROAD LANE CLOSURE.
- C. ADVANCE WARNING SIGNS ARE TO BE OMITTED ON DRIVEWAY UNLESS OTHERWISE NOTED.
- D. THE TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS SHALL BE INCIDENTAL TO THE COST OF SPECIFIED TRAFFIC CONTROL STANDARDS OR ITEMS.

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

REVISIONS	
NAME	DATE
LHA	6/89
T. RAMMACHER	09/08/94
J. OBERLE	10/18/95
A. HOUSEH	03/05/96
A. HOUSEH	10/15/96
T. RAMMACHER	01/06/00

ILLINOIS DEPARTMENT OF TRANSPORTATION
TRAFFIC CONTROL AND PROTECTION
FOR
SIDE ROADS, INTERSECTIONS, AND
DRIVEWAYS

SCALE: NONE
DRAWN BY
CHECKED BY
TC-10

PLOT DATE: 2/26/2007
FILE NAME: K:\Projects\63153\63153.dwg
PLOT SCALE: 3/8" = 1' IN.
USER NAME: jglover

Plotfile: February 17, 2009 @ 11:17 AM By: Jim Glover - Job: 10 TC-10 22x34

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VILLAGE OF CAMPTON HILLS
KANE COUNTY, ILLINOIS

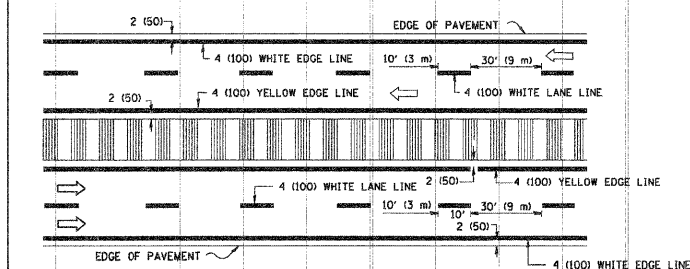
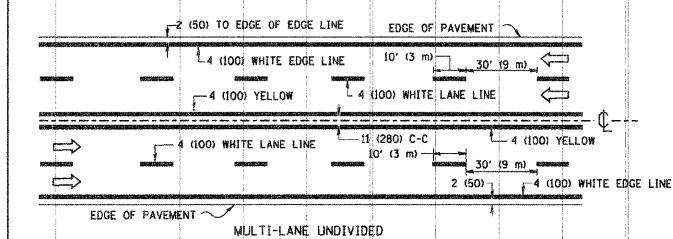
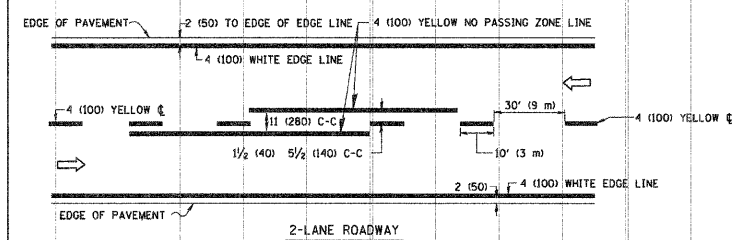
NO.	DATE	REVISIONS
1	02-17-09	REVISED PER IDOT COMMENTS

McDONALD ROAD
LAPP IMPROVEMENTS

TRAFFIC CONTROL AND PROTECTION
FOR SIDE ROADS, INTERSECTIONS,
AND DRIVEWAYS - TC-10

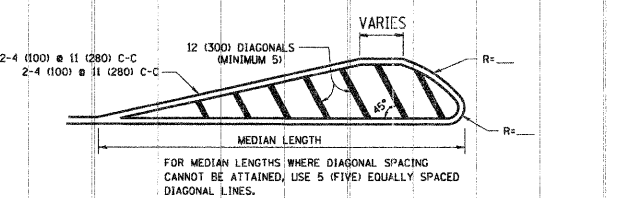
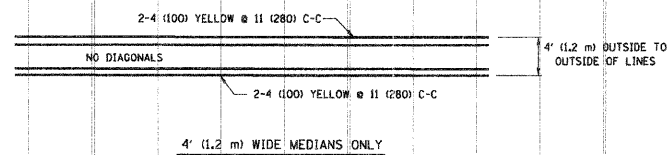
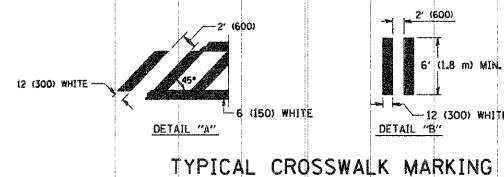
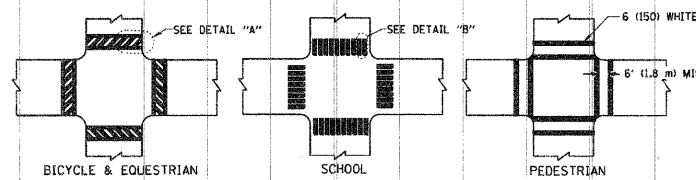
DATE: DECEMBER 2008
PROJECT NO: CH0803
FILE: CH0803-CVR
SHEET 10 OF 12

PATH: I:\SERVPROJ\CH0803\DWG\DWG_FINAL_ENG\CH0803-CVR



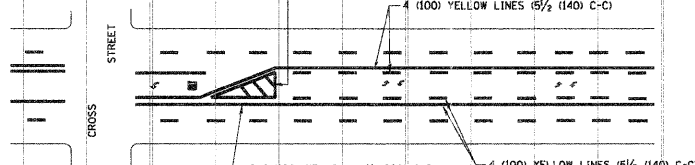
NOTE: MEDIANS WITH BARRIER CURB DO NOT REQUIRE AN EDGE LINE

TYPICAL LANE AND EDGE LINE MARKING

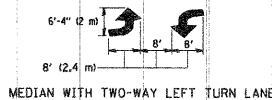


DIAGONAL LINE SPACING: 50' (15 m) C-C (LESS THAN 30MPH (50 km/h))
 75' (25 m) C-C 30MPH (50 km/h) TO 45MPH (70 km/h)
 150' (45 m) C-C (MORE THAN 45MPH (70 km/h))

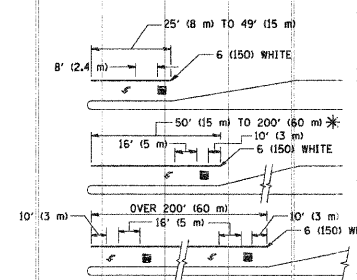
MEDIANS OVER 4' (1.2 m) WIDE



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



TYPICAL PAINTED MEDIAN MARKING

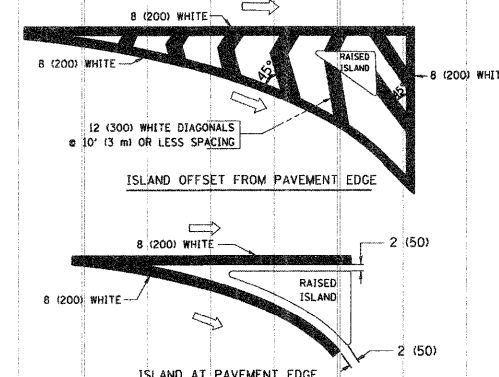


FULL SIZE LETTERS 8' (2.4 m) AND ARROWS SHALL BE USED. AREA = 15.6 SQ. FT. (1.5 m²)

* TURN LANES IN EXCESS OF 400' (120 m) IN LENGTH MAY HAVE AN ADDITIONAL SET OF ARROW - "ONLY" INSTALLED MIDWAY BETWEEN THE OTHER TWO SETS OF ARROW - "ONLY".

TYPICAL LEFT (OR RIGHT) TURN LANE

TYPICAL TURN LANE MARKING



TYPICAL ISLAND MARKING

TYPE OF MARKING	WIDTH OF LINE	PATTERN	COLOR	SPACING / REMARKS
CENTERLINE ON 2 LANE PAVEMENT	4 (100)	SKIP-DASH	YELLOW	10' (3 m) LINE WITH 30' (9 m) SPACE
CENTERLINE ON MULTI-LANE UNDIVIDED PAVEMENT	2 @ 4 (100)	SOLID	YELLOW	11 (280) C-C
NO PASSING ZONE LINES FOR ONE DIRECTION FOR BOTH DIRECTIONS	4 (100)	SOLID	YELLOW	5/2 (140) C-C FROM SKIP-DASH CENTERLINE
LANE LINES	4 (100)	SKIP-DASH	WHITE	10' (3 m) LINE WITH 30' (9 m) SPACE
DOTTED LINES (EXTENSIONS OF CENTER, LANE OR TURN LANE MARKINGS)	5 (125) ON FREEWAYS	SKIP-DASH	WHITE	2' (600) LINE WITH 6' (1.8 m) SPACE
EDGE LINES	4 (100)	SOLID	YELLOW-LEFT WHITE-RIGHT	OUTLINE MOUNTABLE MEDIANS IN YELLOW. EDGE LINES ARE NOT USED NEXT TO BARRIER CURB
TURN LANE MARKINGS	6 (150) LINE; FULL SIZE LETTERS & SYMBOLS 18" (2.4m)	SOLID	WHITE	SEE TYPICAL TURN LANE MARKING DETAIL
TWO WAY LEFT TURN MARKING	2 @ 4 (100) EACH DIRECTION	SKIP-DASH AND SOLID	YELLOW	10' (3 m) LINE WITH 30' (9 m) SPACE FOR SKIP-DASH 5/2 (140) C-C BETWEEN SOLID LINE AND SKIP-DASH LINE
	8' (2.4m) LEFT ARROW	IN PAIRS	WHITE	SEE TYPICAL TWO-WAY LEFT TURN MARKING DETAIL
CROSSWALK LINES (PEDESTRIAN A. DIAGONALS (BIKE & EQUESTRIAN) B. LONGITUDINAL BARS (SCHOOL))	2 @ 6 (150) 12 (300) @ 45° 12 (300) @ 90°	SOLID	WHITE	NOT LESS THAN 6' (1.8 m) APART 2' (600) APART SEE TYPICAL CROSSWALK MARKING DETAILS.
STOP LINES	24 (600)	SOLID	WHITE	PLACE 4' (1.2 m) IN ADVANCE OF AND PARALLEL TO CROSSWALK, IF PRESENT. OTHERWISE, PLACE AT DESIRED STOPPING POINT. PARALLEL TO CROSSROAD CENTERLINE, WHERE POSSIBLE
PAINTED MEDIANS	2 @ 4 (100) WITH 12 (300) DIAGONALS @ 45°	SOLID	YELLOW; TWO WAY TRAFFIC WHITE; ONE WAY TRAFFIC	11 (280) C-C FOR THE DOUBLE LINE SEE TYPICAL PAINTED MEDIAN MARKING.
GORE MARKING AND CHANNELIZING LINES	8 (200) WITH 12 (300) DIAGONALS @ 45°	SOLID	WHITE	DIAGONALS: 15' (4.5 m) C-C (LESS THAN 30MPH (50 km/h)) 20' (6 m) C-C 30MPH (50 km/h) TO 45MPH (70 km/h) 30' (9 m) C-C (OVER 45MPH (70 km/h))
RAILROAD CROSSING	24 (600) TRANSVERSE LINES; "RR" IS 6" (1.8 m) LETTERS; 16 (400) LINE FOR "X"	SOLID	WHITE	SEE STATE STANDARD 780001 AREA OF: "R"=3.6 SQ. FT. (0.33 m ²) EACH "X"=54.0 SQ. FT. (5.0 m ²)
SHOULDER DIAGONALS	12 (300) @ 45°	SOLID	WHITE - RIGHT YELLOW - LEFT	50' (15 m) C-C (LESS THAN 30MPH (50 km/h)) 75' (25 m) C-C (30 MPH (50 km/h) TO 45MPH (70 km/h)) 150' (45 m) C-C (OVER 45MPH (70 km/h))

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

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

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

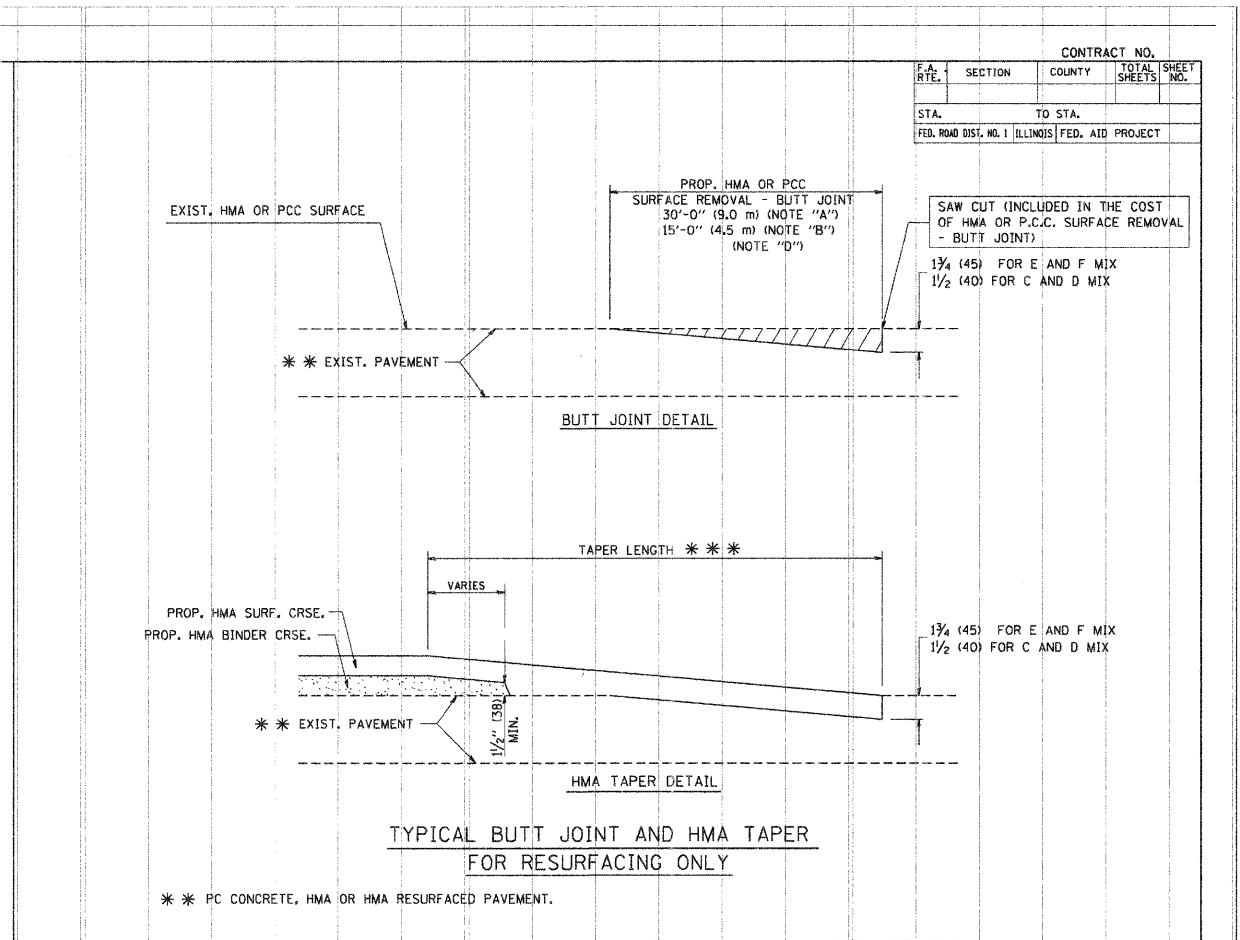
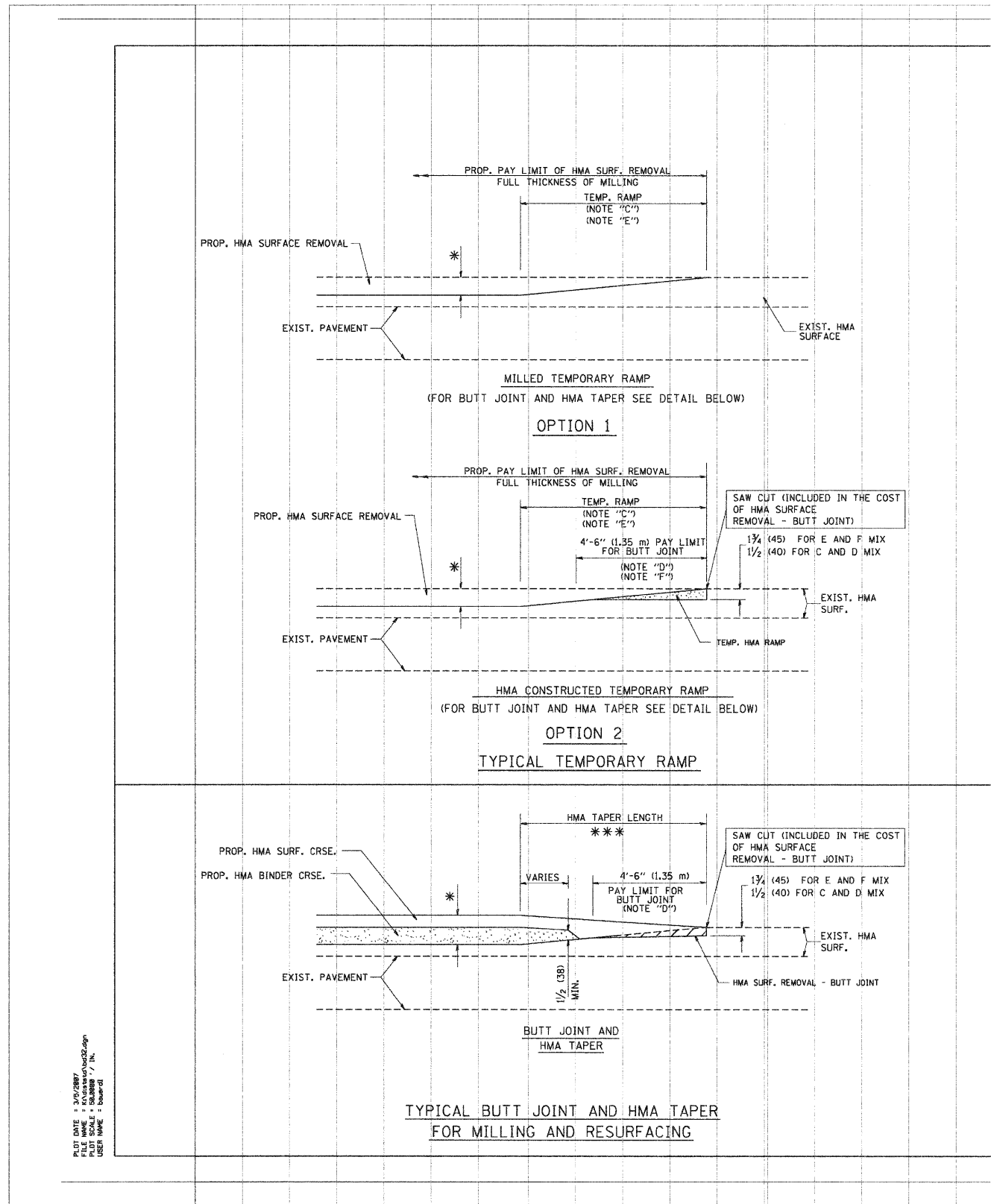
SCALE: NONE

DRAWN BY CADD
CHECKED BY
TC-13

ILLINOIS DEPARTMENT OF TRANSPORTATION
**DISTRICT ONE
TYPICAL PAVEMENT
MARKINGS**



NO.	DATE	REVISIONS
1	02-17-09	REVISED PER IDOT COMMENTS



NOTES

A: MAINLINE ROADWAYS AND MAJOR SIDE ROADS.
 B: MINOR SIDE ROADS.
 C: THE TEMP. RAMP SHALL BE CONSTRUCTED IMMEDIATELY UPON REMOVAL OF THE EXISTING HMA SURFACE.
 D: THE BUTT JOINT SHALL BE CONSTRUCTED IMMEDIATELY PRIOR TO PLACING THE PROPOSED HMA COURSES.
 E: TAPER THE TEMP. RAMP AT A RATE OF 3'-0" (900 mm) PER 1 INCH (25 mm) OF MILLING THICKNESS.
 F: INSTALLATION AND REMOVAL OF THE 4'-6" (1.35 m) TEMP. RAMP IS INCLUDED IN COST OF HMA SURFACE REMOVAL - BUTT JOINT.
 G: SEE ARTICLE 406.08 AND 406.14 OF THE STANDARD SPECIFICATIONS FOR "HMA AND/OR PCC SURFACE REMOVAL, BUTT JOINT".

* SEE TYPICAL SECTIONS FOR MILLING THICKNESS.

*** 20'-0" (6.1 m) PER 1 (25) RESURFACING (NOTE "A")
 10'-0" (3.0 m) PER 1 (25) RESURFACING (NOTE "B")

ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN.

BASIS OF PAYMENT:
 THE BUTT JOINT WILL BE PAID FOR AT THE CONTRACT UNIT PRICE PER SQUARE YARD (SQUARE METER) FOR "HOT-MIX ASPHALT" SURFACE REMOVAL - BUTT JOINT" OR FOR "PORTLAND CEMENT CONCRETE SURFACE REMOVAL - BUTT JOINT".

REVISIONS	
NAME	DATE
M. DE YONG	6-13-90
M. DE YONG	7-3-90
M. DE YONG	3-27-92
R. SHAH	09/09/94
R. SHAH	10/28/94
A. ABBAS	03/21/97
M. GOMEZ	04/06/03
R. BORO	01/01/07

ILLINOIS DEPARTMENT OF TRANSPORTATION

BUTT JOINT AND HMA TAPER DETAILS

SCALE: VERT. NONE
 HORIZ. NONE

DRAWN BY
 CHECKED BY
 BD400-05 (VI-BD32)

Printed: February 17, 2009 @ 11:19 AM By: Jim Cedes - Tab: 12 BD-32 22X34
 PLOT DATE: 2/17/09
 FILE NAME: E:\Projects\63153\12 BD-32.dwg
 PLOT SCALE: 1/8"=1'-0"
 PLOT NAME: 12 BD-32

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VILLAGE OF CAMPTON HILLS			
KANE COUNTY, ILLINOIS			
NO.	DATE	REVISED PER IDOT COMMENTS	REVISIONS
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**McDONALD ROAD
 LAPP IMPROVEMENTS**

**BUTT JOINT AND
 HMA TAPER DETAILS
 BD-32**

DATE:	DECEMBER 2008
PROJECT NO:	CH0803
FILE:	CH0803-CVR
SHEET	12 OF 12

Path: C:\Users\jborob\Documents\CH0803\DWG\FINAL ENG\CH0803-CVR