

FOR INDEX OF SHEETS, SEE SHEET NO. 2

FOR INDEX OF HIGHWAY STANDARDS, SEE SHEET NO. 2

PROJECT LOCATED IN THE VILLAGE OF LAKEWOOD

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

**PLANS FOR PROPOSED
FEDERAL AID HIGHWAY
F.A.U. ROUTE 3869 HALIGUS ROAD AND
F.A.U. ROUTE 0118 HUNTLEY ROAD
HALIGUS ROAD FROM ACKMAN ROAD TO NORTH VILLAGE LIMITS
HUNTLEY ROAD FROM VILLAGE LIMITS TO LAKE AVENUE**

**RESURFACING
PROJECT No.: M-9003(175)
SECTION No.: 08-00010-00-RS
JOB No: C-91-207-09
VILLAGE OF LAKEWOOD
McHENRY COUNTY**

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
08-00010-00-RS	08-00010-00-RS	McHENRY	17	1
STA.	TO STA.			
FED. ROAD DIST. NO 1	ILLINOIS	FED AID PROJECT		
C-91-207-09		M-9003(175)		
*F.A.U. 3869 HALIGUS ROAD AND F.A.U. 0118 HUNTLEY ROAD				

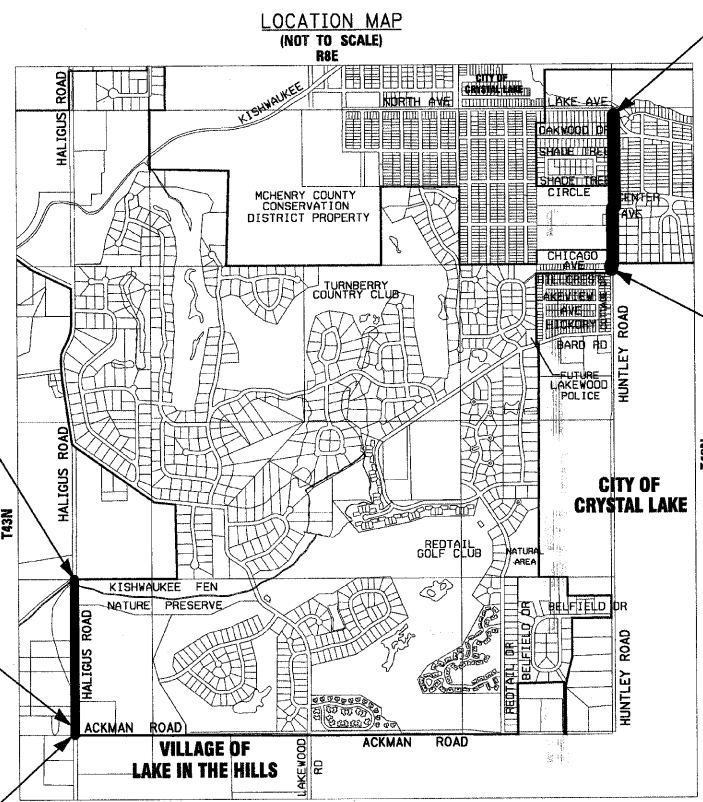
CONTRACT No: 63145



LOCATION OF SECTION INDICATED THIS: [Black box symbol]

PROJECT NUMBER: M-9003(175)
F.A.U. ROUTE 0118
HUNTLEY ROAD
END RESURFACING
STA. 137 + 58

PROJECT NUMBER: M-9003(175)
F.A.U. ROUTE 0118
HUNTLEY ROAD
BEGIN RESURFACING
STA. 110 + 70



PROJECT NUMBER: M-9003(175)
F.A.U. ROUTE 3869
HALIGUS ROAD
END RESURFACING
STA. 26 + 45

PROJECT NUMBER: M-9003(175)
F.A.U. ROUTE 3869
HALIGUS ROAD
END OMISSION
BEGIN RESURFACING
STA. 8 + 15

PROJECT NUMBER: M-9003(175)
F.A.U. ROUTE 3869
HALIGUS ROAD
BEGIN OMISSION
STA. 0 + 00

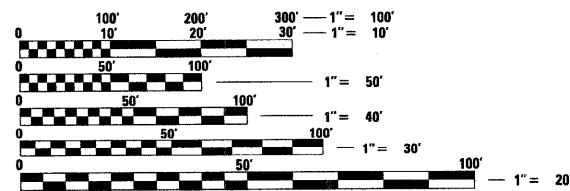
GRAFTON TOWNSHIP
GROSS LENGTH OF IMPROVEMENT = 5,333 LF OR 1.010 MILES
NET LENGTH OF IMPROVEMENT = 4,518 LF OR 0.856 MILES
LENGTH OF OMISSION = 815 LF OR 0.154 MILES



BAXTER & WOODMAN, INC
STATE OF ILLINOIS - PROFESSIONAL DESIGN FIRM
LICENSE NO. - 184-001121 - EXPIRES 4/30/2009

**TRAFFIC DATA
HALIGUS ROAD**
POSTED & DESIGN SPEED LIMIT = 45 MPH
2008 ADT = 3,675

HUNTLEY ROAD
POSTED & DESIGN SPEED LIMIT = 30 MPH
2008 ADT = 6,830



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

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

APPROVED January 27, 2009
Patricia D. Peterson
LOCAL AGENCY REPRESENTATIVE

PASSED FEBRUARY 13, 2009
C. H. [Signature]
LOCAL ROADS ENGINEER

RELEASING FOR BID
BASED ON LIMITED REVIEW
FEBRUARY 13, 2009
Dennis M. O'Keefe
DEPUTY DIRECTOR OF
HIGHWAYS, REGION 1 ENGINEER

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OF THE STATE OF ILLINOIS

CONTRACT NO. 63145

Burlington, Wisconsin	(Crystal Lake, Illinois)	DeKalb, Illinois	Itasca, Illinois	Mokena, Illinois	Graylake, Illinois	Plainfield, Illinois	Rockford, Illinois	Madison, Wisconsin	Chicago, Illinois
262.763.7834	815.459.1260	815.787.3111	630.773.1870	708.560.7070	847.223.5088	815.609.7425	815.489.1551	608.347.1542	312.578.0050

(OFFICE WHICH PREPARED PLANS)

B&W PROJECT NO.: 080857 DATE: 1-20-09

COPYRIGHT © 2009 BY BAXTER & WOODMAN, INC. STATE OF ILLINOIS - PROFESSIONAL DESIGN FIRM LICENSE NO. - 184-001121 - EXPIRES 4/30/2009 BUREAU OF LOCAL ROADS AND STREETS: (ALEX HOUSSER, P.E. / KEVIN STALLWORTH, P.E. / 7847-705-4169) SCHAUMBURG, IL

GENERAL NOTES

- ALL CONSTRUCTION SHALL BE DONE IN ACCORDANCE WITH THE DETAILS IN THE PLANS, THE SPECIAL PROVISIONS INCLUDED IN THE CONTRACT DOCUMENTS, AND THE LATEST EDITION OF THE FOLLOWING STATE OF ILLINOIS SPECIFICATIONS: "THE STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION" (REFERRED TO AS THE "STANDARD SPECIFICATIONS"), THE "SUPPLEMENTAL SPECIFICATIONS AND RECURRING SPECIAL PROVISIONS", THE "STANDARD SPECIFICATIONS FOR TRAFFIC CONTROL ITEMS", THE "MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAYS", THE "MANUAL OF TEST PROCEDURES FOR MATERIALS" AND THE "STANDARD SPECIFICATIONS FOR WATER AND SEWER MAIN CONSTRUCTION IN ILLINOIS".
- UTILITY LOCATIONS HAVE NOT BEEN SHOWN ON THESE PLANS. THE CONTRACTOR SHALL HAVE THE RESPECTIVE UTILITY COMPANIES FIELD LOCATE ALL THEIR FACILITIES PRIOR TO BEGINNING CONSTRUCTION. THE CONTRACTOR SHALL ALSO VERIFY THE DEPTHS OF THE EXISTING UTILITIES IF NECESSARY. ANY RELOCATION OR LOWERING OF UTILITIES SHALL BE COORDINATED BY THE CONTRACTOR.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL UNDERGROUND OR SURFACE UTILITIES EVEN THOUGH THEY MAY NOT BE SHOWN ON THE PLANS. ANY UTILITY THAT IS DAMAGED DURING CONSTRUCTION SHALL BE REPAIRED OR REPLACED AT THE CONTRACTOR'S EXPENSE TO THE SATISFACTION OF THE ENGINEER OR VILLAGE.
- THE CONTRACTOR SHALL NOTIFY THE VILLAGE PUBLIC WORKS DIRECTOR, AND THE ENGINEER AT LEAST 48 HOURS IN ADVANCE OF BEGINNING WORK TO OBTAIN VILLAGE UTILITY LOCATIONS AND SHALL COORDINATE ALL CONSTRUCTION OPERATIONS WITH THE VILLAGE PUBLIC WORKS DIRECTOR AND THE ENGINEER.
- MATERIALS RESULTING FROM THE REMOVAL OF PAVEMENT, DRIVEWAYS, HOT-MIX ASPHALT SURFACES, ETC., SHALL BE REMOVED AT THE END OF EACH DAY TO AN APPROVED SITE. IN THE JUDGEMENT OF THE VILLAGE, SHOULD IT BE NECESSARY TO REMOVE SUCH MATERIALS, THE VILLAGE WILL HAVE THE MATERIAL REMOVED AND THE CONTRACTOR WILL BE BILLED (CHARGED) ACCORDINGLY.
- THE CONTRACTOR MAY OBTAIN MUNICIPAL WATER IN BULK, AT NO CHARGE, AS LONG AS THERE IS NOT A "WATERING BAN" IN EFFECT. THE USE OF FIRE HYDRANTS IS STRICTLY PROHIBITED. WATER FOR CONSTRUCTION SHALL BE METERED OR OTHERWISE ACCOUNTED FOR AND A DAILY LOG MAINTAINED. THE CONTRACTOR SHALL PROVIDE THE WATER TRUCK AND DRIVER REQUIRED TO OBTAIN AND TRANSPORT THIS WATER. THE VILLAGE RESERVES THE RIGHT TO RESTRICT OR REFUSE THE USE OF VILLAGE WATER IF DEEMED NECESSARY. PLEASE NOTE: WATER MAIN AND FIRE HYDRANTS WITHIN THE PROJECT LIMITS ON HUNTLEY ROAD ARE OWNED AND MAINTAINED BY THE CITY OF CRYSTAL LAKE.
- IT WILL BE THE CONTRACTOR'S RESPONSIBILITY TO NOTIFY RESIDENTS AND THE VILLAGE WHEN ACCESS TO THEIR DRIVEWAYS WILL BE TEMPORARILY CLOSED DUE DRIVEWAY REPLACEMENT. THE CONTRACTOR SHALL DISTRIBUTE NOTICES PROVIDED BY THE VILLAGE TO RESIDENTS. EVERY EFFORT SHALL BE MADE TO ACCOMMODATE ACCESS TO THESE PROPERTIES INCLUDING KNOCKING ON DOORS WHEN DRIVEWAYS ARE ABOUT TO BE CLOSED.
- THE CONTRACTOR SHALL PROTECT AND CAREFULLY PRESERVE ALL SECTION OR SUBSECTION MONUMENTS OR PROPERTY OR REFERENCE MARKERS UNTIL THE OWNERS, HIS AGENT OR AN AUTHORIZED SURVEYOR HAS WITNESSED OR OTHERWISE REFERENCED THEIR LOCATIONS.
- THE CONTRACTOR SHALL NOTIFY IDOT BUREAU OF MATERIALS (PHONE 847-705-4337) AT LEAST 24 HOURS PRIOR TO THE PLACEMENT OF HMA OR CONCRETE.
- ANY SIGNS OR MAILBOXES THAT ARE IN CONFLICT WITH THE PROPOSED CONSTRUCTION SHALL BE REMOVED AND REPLACED IN ACCORDANCE WITH VILLAGE STANDARDS AND INCLUDED IN THE COST OF THE CONTRACT. MAIL SERVICE SHALL BE MAINTAINED AT ALL TIMES.
- EXISTING PAVEMENT AND DRIVEWAY PAVEMENT TO REMAIN IN PLACE SHALL BE SAW CUT FULL DEPTH TO PROVIDE A NEAT VERTICAL FACE BETWEEN THE PROPOSED AND EXISTING AND SHALL BE INCLUDED IN THE COST OF THE CONTRACT.
- IN AREAS WHERE THE EXISTING DRIVEWAY (HOT-MIX ASPHALT OR GRAVEL) IS TO BE REMOVED AND REPLACED, THE REMOVAL AND DISPOSAL OF ANY ADDITIONAL MATERIAL REQUIRED TO ESTABLISH THE PROPOSED DRIVEWAY SUBGRADE ELEVATION SHALL BE INCLUDED IN THE PAY ITEM HMA SURFACE REMOVAL - BUTT JOINT.
- THE CONTRACTOR SHALL PROVIDE AND INSTALL TWO (2) WEIGHTED SANDBAGS ON EACH TYPE I OR TYPE II BARRICADES USED. ONE (1) WEIGHTED SANDBAG SHALL BE PLACED ACROSS EACH BOTTOM RAIL.
- THE PRIME COAT APPLICATION RATE SHALL BE 0.1 GAL/SY. THE MC-30 PRIME COAT APPLICATION RATE SHALL BE 0.3 GAL/SY.
- THE LOCATIONS OF THE CLASS D PATCHES SHALL BE DETERMINED BY THE ENGINEER IN THE FIELD.
- ALL AGGREGATE USED ON THIS PROJECT SHALL BE CRUSHED MATERIAL.
- THE QUANTITIES FOR PATCHING WILL NOT EXCEED THE AMOUNT LISTED IN THE SUMMARY OF QUANTITIES.
- THE DAYS PAVING OPERATIONS SHALL RESULT IN A SINGLE TRANSVERSE JOINT. ANY COLD LONGITUDINAL JOINTS WILL NOT BE ACCEPTED. PROVIDING A SINGLE TRANSVERSE JOINT SHALL BE ACCOMPLISHED BY PAVING ONE LANE OF SUFFICIENT LENGTH THAT WILL ALLOW FOR THE PAVING OF THE ADJACENT LANE IN THE SAME DAY.
- ON STREETS TO BE FULL WIDTH MILLED (2" OR MORE), THE STRUCTURES IN THE PAVEMENT SHALL BE ADJUSTED IN ACCORDANCE WITH THE IDOT DETAIL "FRAMES AND LIDS ADJUSTMENT WITH MILLING". THIS WORK SHALL BE PAID FOR AT THE CONTRACT UNIT PRICE FOR FRAMES AND LIDS TO BE ADJUSTED (SPECIAL) WITHOUT RESPECT TO THE TYPE OF THE EXISTING STRUCTURE.
- THE CONTRACTOR SHALL UTILIZE A MECHANICAL SWEEPER TO CLEAN STREETS AFFECTED BY CONTRACTORS OPERATIONS, INCLUDING HAUL ROUTES, AT LEAST TWICE PER WEEK AND ADDITIONALLY AS DIRECTED BY THE ENGINEER. THIS WORK SHALL BE INCLUDED IN THE COST OF CONSTRUCTION.
- NO DAMAGE TO PARKWAYS IS PLANNED AS PART OF THESE IMPROVEMENTS. ANY AND ALL RESTORATION OF DAMAGED PARKWAYS SHALL CONSIST OF NECESSARY SUB-GRADE MATERIAL AS APPROVED BY THE ENGINEER, TOPSOIL 4" AND NATIVE SOD IN ACCORDANCE WITH SECTION 1081.03. RESTORATION SHALL BE INCLUDED IN THE PAY ITEM WHICH CAUSED THE DISTURBANCE.
- PLEASE NOTE: SANITARY SEWER WITHIN THE PROJECT LIMITS ON HUNTLEY ROAD ARE OWNED AND MAINTAINED BY THE CITY OF CRYSTAL LAKE.

INDEX TO SHEETS

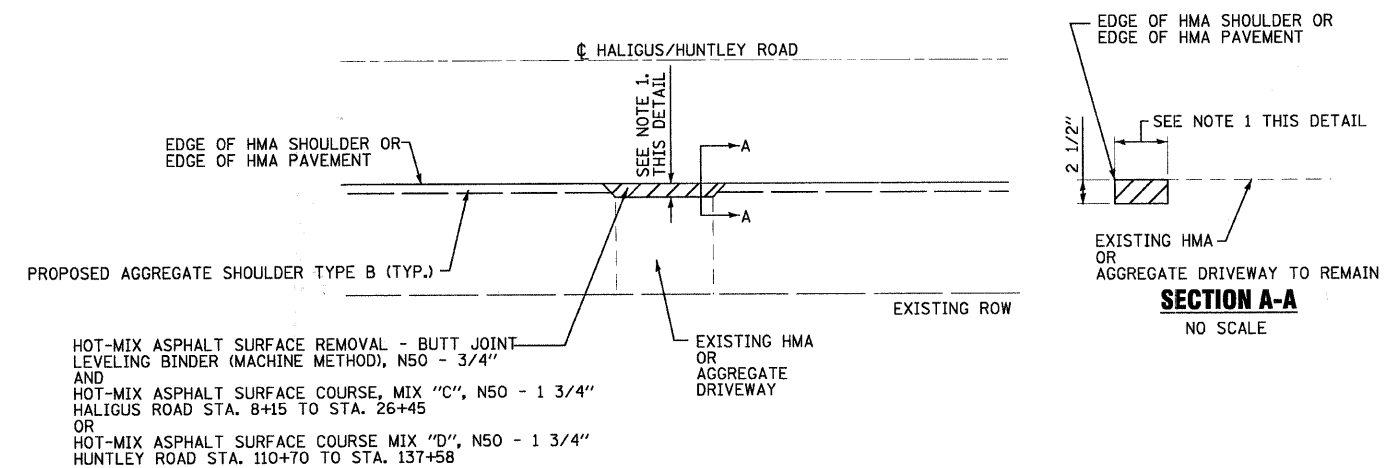
SHEET NO.	TITLE
1	COVER SHEET
2	INDEX OF SHEETS, HIGHWAY STANDARDS, GENERAL NOTES, LEGEND AND DETAIL
3	SUMMARY OF QUANTITIES AND SCHEDULE OF QUANTITIES
4 - 5	TYPICAL SECTIONS, HMA MIXTURE REQUIREMENTS AND DETAIL
6 - 7	PLAN - HALIGUS ROAD
8 - 10	PLAN - HUNTLEY ROAD
11	DISTRICT 1 DETAIL - BD-08: DETAILS FOR FRAMES AND LIDS ADJUSTMENT WITH MILLING
12	DISTRICT 1 DETAIL - BD-22: PAVEMENT PATCHING FOR HMA SURFACED PAVEMENT
13	DISTRICT 1 DETAIL - BD-32: BUTT JOINTS AND HMA TAPER
14	DISTRICT 1 DETAIL - TC-10: TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS AND DRIVEWAYS
15	DISTRICT 1 DETAIL - TC-13: DISTRICT ONE TYPICAL PAVEMENT MARKINGS
16	DISTRICT 1 DETAIL - TC-18: SIGNING FOR FLAGGING OPERATIONS AT WORK ZONE OPENINGS
17	DISTRICT 1 DETAIL - TC-22: ARTERIAL ROAD INFORMATION SIGN

HIGHWAY STANDARDS

000001-05	STANDARD SYMBOLS, ABBREVIATIONS, AND PATTERNS
406201-01	MAILBOX TURNOUT
442201-03	CLASS C AND D PATCHES
482011-03	HMA SHLD. STRIPS/SHLDS. WITH RESURFACING OR WIDENING AND RESURFACING PROJECTS
701011-02	OFF-RD MOVING OPERATIONS, 2L, 2W DAY ONLY
701201-03	LANE CLOSURE, 2L, 2W, DAY ONLY, FOR SPEEDS >= 45 MPH
701301-03	LANE CLOSURE, 2L, 2W, SHORT TIME OPERATIONS
701306-02	LANE CLOSURE, 2L, 2W, SLOW MOVING OPERATIONS DAY ONLY, FOR SPEEDS >= 45 MPH
701311-03	LANE CLOSURE, 2L, 2W, MOVING OPERATIONS-DAY ONLY
701501-05	URBAN LANE CLOSURE, 2L, 2W, UNDIVIDED
701901-01	TRAFFIC CONTROL DEVICES
780001-02	TYPICAL PAVEMENT MARKINGS
BLR-24-2	MAILBOX TURNOUT FOR LOCAL ROADS

LEGEND

- FRAME AND LIDS TO BE ADJUSTED (SPECIAL)
- SANITARY MANHOLES TO BE ADJUSTED
- BUTT JOINT OR DRIVEWAY BUTT JOINT



NOTE: 1. 5' MIN. WHEN MATCHING EXISTING HMA DRIVEWAY UNLESS OTHERWISE DIMENSIONED
3' MIN. WHEN MATCHING EXISTING AGGREGATE DRIVEWAY UNLESS OTHERWISE DIMENSIONED

HMA DRIVEWAY DETAIL

NO SCALE

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DESIGNED - REW	REVISED - 1-20-09 - IDOT REVIEW
DRAWN - UKB	REVISED -
CHECKED - RWL	REVISED -
DATE - 12-08-08	REVISED -

**VILLAGE OF LAKEWOOD, ILLINOIS
HALIGUS ROAD AND HUNTLEY ROAD STP (LAPP)
IMPROVEMENTS**

**INDEX OF SHEETS, HIGHWAY STANDARDS,
GENERAL NOTES, LEGEND AND DETAIL**

SCALE: NONE

STA: TO STA:

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	08-0010-00-RS	McHENRY	17	2
FED. ROAD DIST. NO. 1			CONTRACT NO. 63145	
C-91-207-09			ILLINOIS FED. AID PROJECT M-9003 (175)	

*F.A.U. 3869 HALIGUS ROAD AND F.A.U. 0118 HUNTLEY ROAD

SUMMARY OF QUANTITIES

CODE NO.	PAY ITEM	UNIT	TOTAL QUANTITY	ROADWAY I000	
				HALIGUS ROAD	HUNTLEY ROAD
40600100	BITUMINOUS MATERIALS (PRIME COAT)	GALLON	2,345	920	1,425
40600300	AGGREGATE (PRIME COAT)	TON	48	19	29
40600625	LEVELING BINDER (MACHINE METHOD), N50	TON	340	212	128
40600895	CONSTRUCTING TEST STRIP	EACH	3	1	2
40600982	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT	SQ YD	735	155	580
40601005	HOT-MIX ASPHALT REPLACEMENT OVER PATCHES	TON	127	102	25
40603310	HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N50	TON	290	290	-
40603335	HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50	TON	580	-	580
44000159	HOT-MIX ASPHALT SURFACE REMOVAL, 2 1/2"	SQ YD	6,825	970	5,855
44002210	HOT-MIX ASPHALT REMOVAL OVER PATCHES, 2 1/2"	SQ YD	876	706	170
44201705	CLASS D PATCHES, TYPE II, 5 INCH	SQ YD	195	70	125
44201709	CLASS D PATCHES, TYPE III, 5 INCH	SQ YD	290	105	185
44201711	CLASS D PATCHES, TYPE IV, 5 INCH	SQ YD	1,430	520	910
44201729	CLASS D PATCHES, TYPE II, 7 INCH	SQ YD	25	-	25
44201733	CLASS D PATCHES, TYPE III, 7 INCH	SQ YD	35	-	35
44201735	CLASS D PATCHES, TYPE IV, 7 INCH	SQ YD	165	-	165
44300100	AREA REFLECTIVE CRACK CONTROL TREATMENT	SQ YD	11,725	4,600	7,125
48101200	AGGREGATE SHOULDERS, TYPE B	TON	460	190	270
60300310	FRAMES AND LIDS TO BE ADJUSTED (SPECIAL)	EACH	9	-	9
67100100	MOBILIZATION	LSUM	1	0.40	0.60
70101700	TRAFFIC CONTROL AND PROTECTION	LSUM	1	0.40	0.60
70300100	SHORT-TERM PAVEMENT MARKING	FOOT	7,424	3,008	4,416
70301000	WORK ZONE PAVEMENT MARKING REMOVAL	SQ FT	619	251	368
* 78000200	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	FOOT	18,500	7,500	11,000
* 78000650	THERMOPLASTIC PAVEMENT MARKING - LINE 24"	FOOT	60	-	60
X0321556	SANITARY MANHOLES TO BE ADJUSTED	EACH	1	-	1
X0322256	TEMPORARY INFORMATION SIGNING	SQ FT	182	52	130

* INDICATES SPECIALTY ITEM

SCHEDULE OF QUANTITIES

HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT

LOCATION	AREA (SQ YD)
HALIGUS ROAD, SOUTH LIMITS (STA 8+15)	15
HALIGUS ROAD, NORTH LIMITS (STA 26+45)	15
HALIGUS ROAD, HMA AND GRAVEL DRIVEWAYS	125
HUNTLEY ROAD, SOUTH LIMITS (STA 110+70)	15
HUNTLEY ROAD, AT SHADE TREE CIRCLE (STA 128+60)	30
HUNTLEY ROAD, AT OAKWOOD DRIVE (STA 110+38, LT)	20
HUNTLEY ROAD, AT OAKWOOD DRIVE (STA 110+38, RT)	25
HUNTLEY ROAD, NORTH LIMITS (STA 137+70)	45
HUNTLEY ROAD, HMA AND GRAVEL DRIVEWAYS	445
TOTAL	735

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DESIGNED - REW	REVISED - 1-20-09 - IDOT REVIEW
DRAWN - UKB	REVISED -
CHECKED - RWL	REVISED -
DATE - 12-08-08	REVISED -

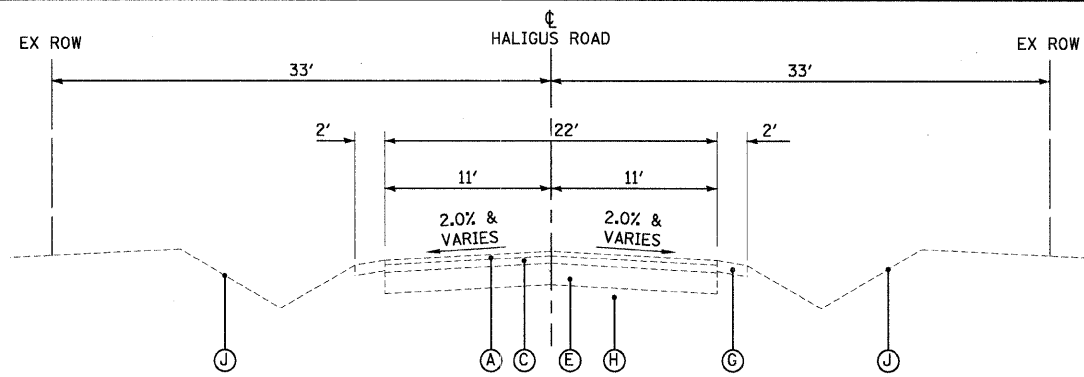
**VILLAGE OF LAKEWOOD, ILLINOIS
 HALIGUS ROAD AND HUNTLEY ROAD STP (LAPP)
 IMPROVEMENTS**

**SUMMARY OF QUANTITIES
 AND SCHEDULE OF QUANTITIES**

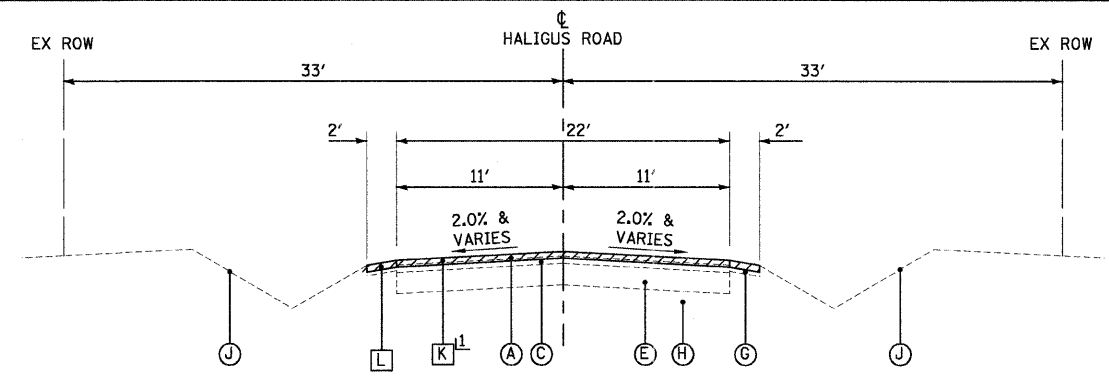
SCALE: NONE

STA: TO STA:

*F.A.U. 3869 HALIGUS ROAD AND F.A.U. 0118 HUNTLEY ROAD				
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
08-00010-00-RS		MCHEMRY	17	3
FED. ROAD DIST. NO. 1			CONTRACT NO. 63145	
C-91-207-09			ILLINOIS FED. AID PROJECT M-9003 (175)	

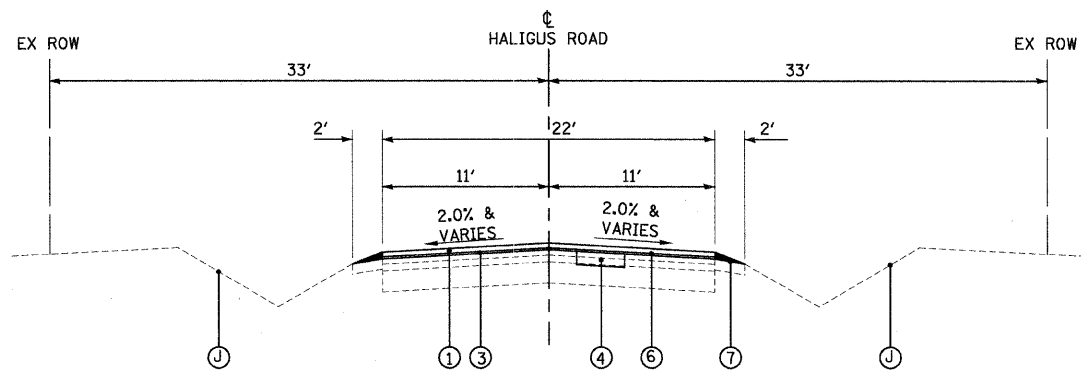


**EXISTING TYPICAL SECTION
HALIGUS ROAD
STA. 8+15 TO STA. 22+50**

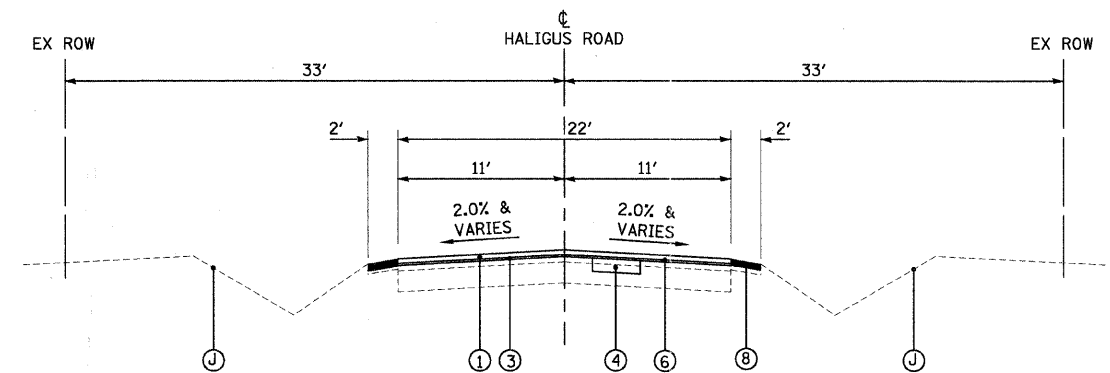


**EXISTING TYPICAL SECTION
HALIGUS ROAD
STA. 22+50 TO STA. 26+45**

Ⓛ TRANSITION MILLING FROM 0" AT STA. 22+50 TO 2 1/2" AT STA. 24+50 SEE BELOW



**PROPOSED TYPICAL SECTION
HALIGUS ROAD
STA. 8+15 TO STA. 22+50**



**PROPOSED TYPICAL SECTION
HALIGUS ROAD
STA. 22+50 TO STA. 26+45**

EXISTING LEGEND

- Ⓐ HOT-MIX ASPHALT SURFACE COURSE, 1" - 1 3/4"
- Ⓑ HOT-MIX ASPHALT SURFACE COURSE, 1" - 6 3/4"
- Ⓒ HOT-MIX ASPHALT BINDER COURSE, 2" - 4 1/2"
- Ⓓ HOT-MIX ASPHALT BINDER COURSE, 1 1/2" - 3"
- Ⓔ UNCRUSHED GRAVEL AND SAND, 8 3/4" - 19 3/4"
- Ⓕ CRUSHED GRAVEL, 10 1/4" - 16 1/2"
- Ⓖ AGGREGATE SHOULDER, 4"±
- Ⓗ EXISTING SUB-GRADE
- Ⓙ GROUND SURFACE
- Ⓚ HOT-MIX ASPHALT SURFACE REMOVAL, 2 1/2"
- Ⓛ AGGREGATE SHOULDER REMOVAL, 2 1/2" (NOT PAID FOR SEPARATELY)
- ☒ ITEM TO BE REMOVED

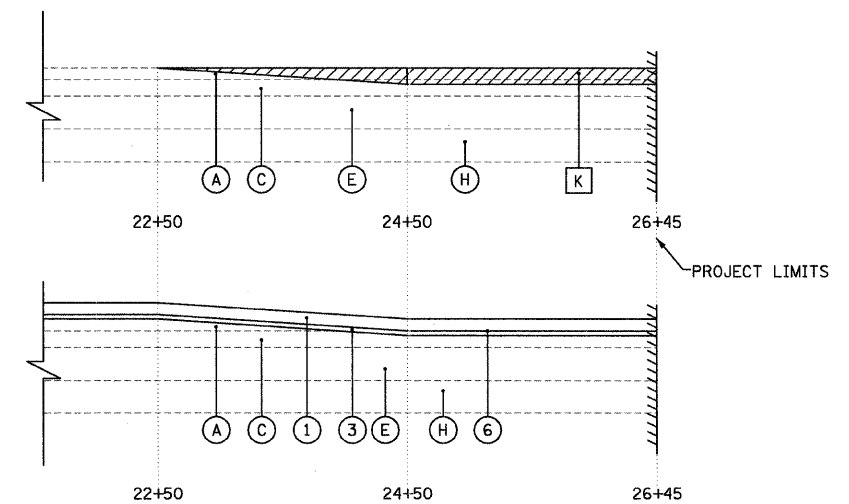
PROPOSED LEGEND

- ① HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N50 - 1 3/4"
- ② HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50 - 1 3/4"
- ③ LEVELING BINDER (MACHINE METHOD), N50 - 3/4" MIN.
- ④ CLASS D PATCHES, TYPE II - IV, 5-INCH
- ⑤ CLASS D PATCHES, TYPE II - IV, 7-INCH
- ⑥ AREA REFLECTIVE CRACK CONTROL TREATMENT
- ⑦ AGGREGATE SHOULDERS, TYPE B - 0" - 2 1/2"
- ⑧ AGGREGATE SHOULDERS, TYPE B - 2 1/2"

HOT-MIX ASPHALT MIXTURE REQUIREMENTS

MIXTURE TYPE	AC TYPE	VOIDS
RESURFACING		
HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N50 (IL 9.5mm); 1 3/4"	PG 64-22	4% @ 50 GYR
HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50 (IL 9.5mm); 1 3/4"	PG 64-22	4% @ 50 GYR
LEVELING BINDER (MACHINE METHOD), N50	PG 64-22*/58-22	4% @ 50 GYR
PATCHING		
CLASS D PATCHES (HMA BINDER IL-19mm); TYPE II-IV - 5 INCH, TYPE II-IV - 7 INCH	PG 64-22*/58-22	4% @ 70 GYR
DRIVEWAYS		
HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N50 (IL 9.5 mm); 1 3/4"	PG 64-22	4% @ 50 GYR
HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50 (IL 9.5mm); 1 3/4"	PG 64-22	4% @ 50 GYR
LEVELING BINDER (MACHINE METHOD), N50; 3/4"	PG 64-22*/58-22	4% @ 50 GYR

THE UNIT WEIGHT USED TO CALCULATE ALL HMA SURFACE MIXTURE QUANTITIES IS 112 LB/SQ YD/IN
 • WHEN RAP EXCEEDS 20%, THE NEW ASPHALT BINDER IN THE MIX SHALL BE PG 58-22.



**HOT-MIX ASPHALT SURFACE REMOVAL AND RESURFACING DETAIL
HALIGUS ROAD STA. 22+50 TO STA. 26+45**

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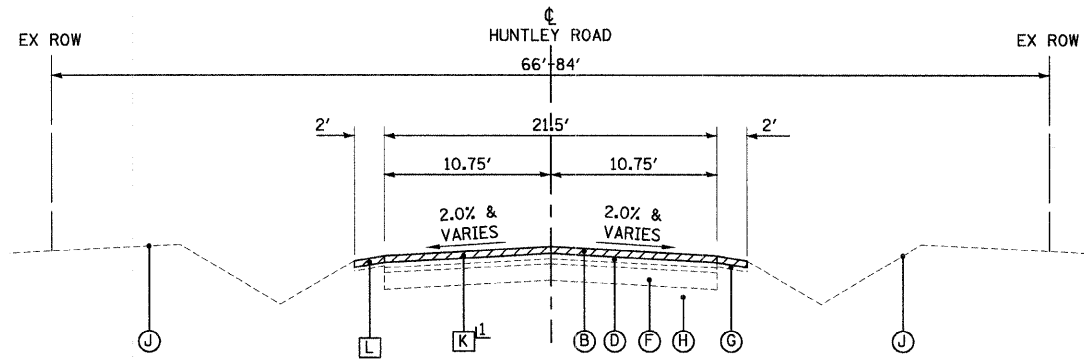
**VILLAGE OF LAKEWOOD, ILLINOIS
HALIGUS ROAD AND HUNTLEY ROAD STP (LAPP)
IMPROVEMENTS**

**TYPICAL SECTIONS,
HMA MIXTURE REQUIREMENTS AND DETAIL**

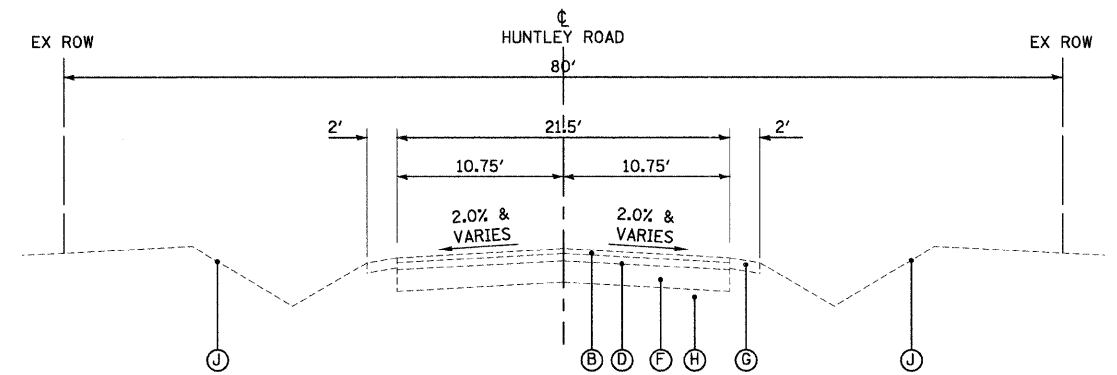
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STA: TO STA:

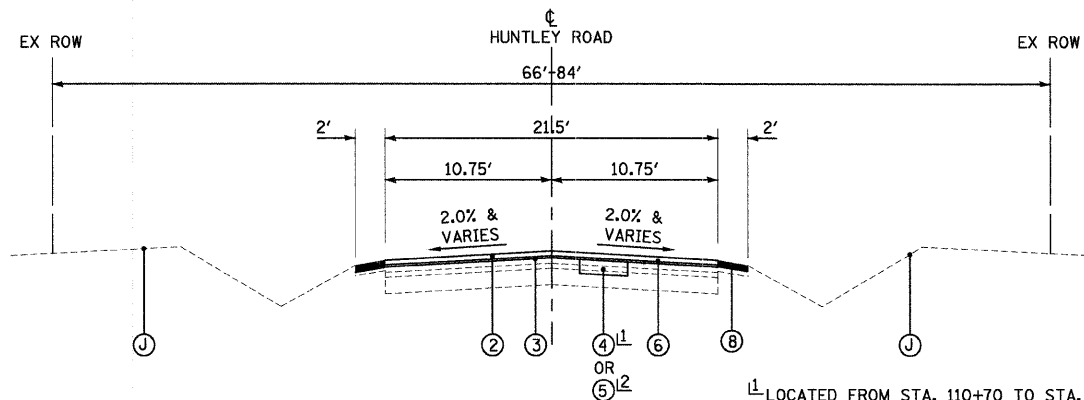
*F.A.U. 3869 HALIGUS ROAD AND F.A.U. 0118 HUNTLEY ROAD			
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS
08-00010-00-RS		McHENRY	17
FED. ROAD DIST. No. 1		CONTRACT NO. 63145	
C-91-207-09		[ILLINOIS] FED. AID PROJECT M-9003 (175)	



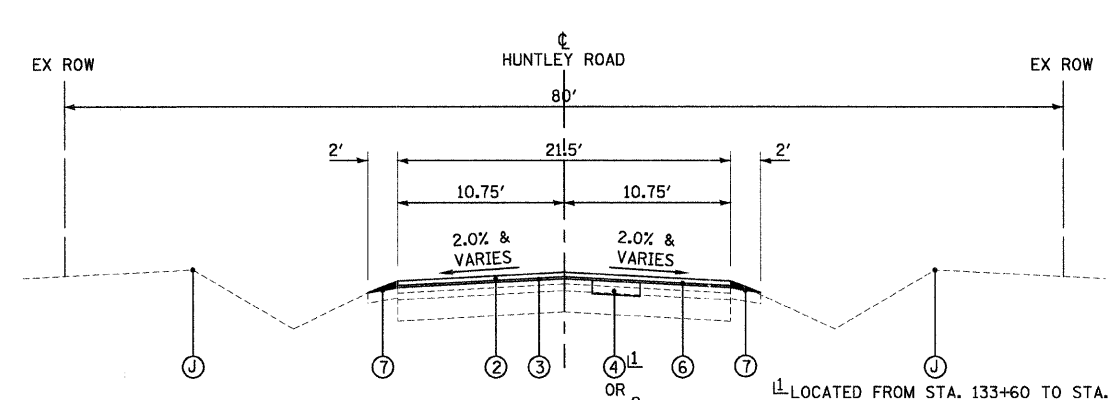
**EXISTING TYPICAL SECTION
HUNTLEY ROAD
STA. 110+70 TO STA. 132+50**



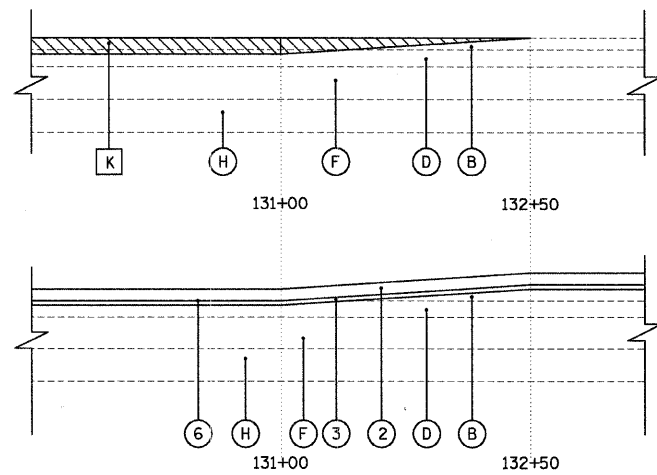
**EXISTING TYPICAL SECTION
HUNTLEY ROAD
STA. 132+50 TO STA. 137+58**



**PROPOSED TYPICAL SECTION
HUNTLEY ROAD
STA. 110+70 TO STA. 132+50**



**PROPOSED TYPICAL SECTION
HUNTLEY ROAD
STA. 132+50 TO STA. 137+58**



**HOT-MIX ASPHALT SURFACE REMOVAL AND RESURFACING DETAIL
HUNTLEY ROAD STA. 131+00 TO STA. 132+50**

⊥ TRANSITION MILLING FROM 2 1/2" AT STA. 131+00 TO 0" AT STA. 132+50

⊥ LOCATED FROM STA. 110+70 TO STA. 129+60
⊥ LOCATED FROM STA. 129+60 TO STA. 132+50

⊥ LOCATED FROM STA. 133+60 TO STA. 137+58
⊥ LOCATED FROM STA. 132+50 TO STA. 133+60

EXISTING LEGEND

- Ⓐ HOT-MIX ASPHALT SURFACE COURSE, 1" - 1 3/4"
- Ⓑ HOT-MIX ASPHALT SURFACE COURSE, 1" - 6 3/4"
- Ⓒ HOT-MIX ASPHALT BINDER COURSE, 2" - 4 1/2"
- Ⓓ HOT-MIX ASPHALT BINDER COURSE, 1 1/2" - 3"
- Ⓔ UNCRUSHED GRAVEL AND SAND, 8 3/4" - 19 3/4"
- Ⓕ CRUSHED GRAVEL, 10 1/4" - 16 1/2"
- Ⓖ AGGREGATE SHOULDER, 4"±
- Ⓗ EXISTING SUB-GRADE
- Ⓙ GROUND SURFACE
- Ⓚ HOT-MIX ASPHALT SURFACE REMOVAL, 2 1/2"
- Ⓛ AGGREGATE SHOULDER REMOVAL, 2 1/2" (NOT PAID FOR SEPARATELY)
- Ⓜ ITEM TO BE REMOVED

PROPOSED LEGEND

- ① HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N50 - 1 3/4"
- ② HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50 - 1 3/4"
- ③ LEVELING BINDER (MACHINE METHOD), N50 - 3/4" MIN.
- ④ CLASS D PATCHES, TYPE II - IV, 5-INCH
- ⑤ CLASS D PATCHES, TYPE II - IV, 7-INCH
- ⑥ AREA REFLECTIVE CRACK CONTROL TREATMENT
- ⑦ AGGREGATE SHOULDERS, TYPE B - 0" - 2 1/2"
- ⑧ AGGREGATE SHOULDERS, TYPE B - 2 1/2"

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 STATE OF ILLINOIS - PROFESSIONAL DESIGN FIRM
 LICENSE NO. - 08-001010 - EXPIRES 4/30/2009
 PROJECT NO. 08-001010-RS
 DRAWING NO. 08-001010-RS-TYPICAL SECTIONS AND DETAIL
 DATE: 12/2/2007



DESIGNED - REW	REVISED - 1-20-09 - IDOT REVIEW
DRAWN - UKB	REVISED -
CHECKED - RWL	REVISED -
DATE - 12-08-08	REVISED -

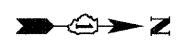
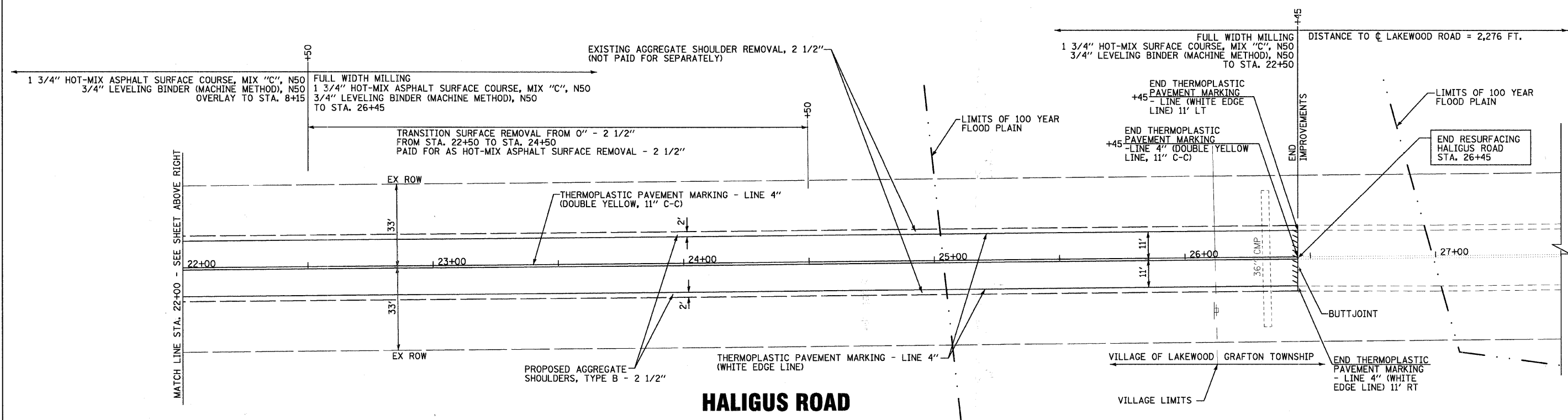
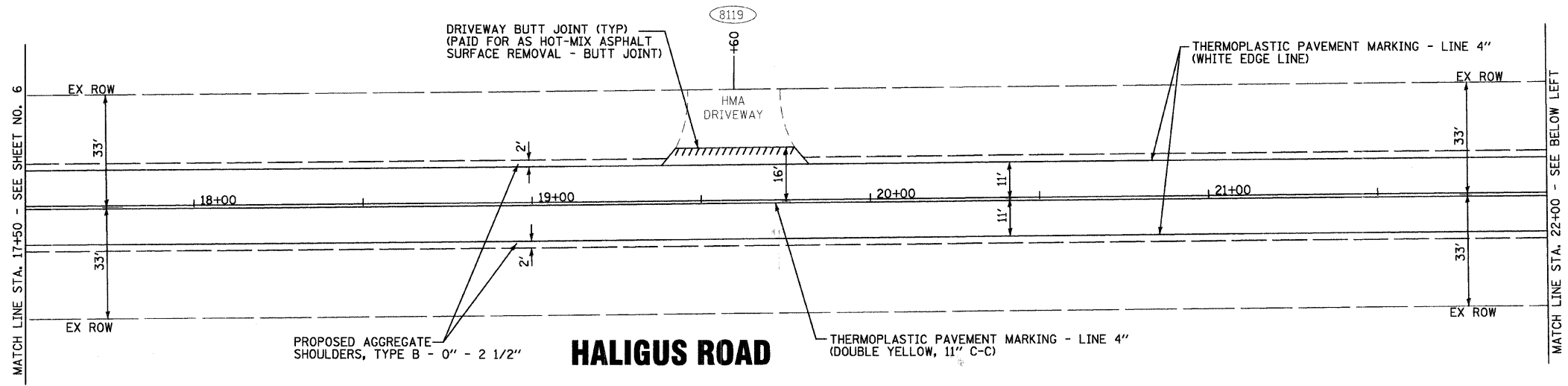
**VILLAGE OF LAKEWOOD, ILLINOIS
HALIGUS ROAD AND HUNTLEY ROAD STP (LAPP)
IMPROVEMENTS**

**TYPICAL SECTIONS
AND DETAIL**

SCALE: NONE

STA: TO STA:

F.A.U. 3869 HALIGUS ROAD AND F.A.U. 0118 HUNTLEY ROAD		F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		08-001010-00-RS		MCHENRY	17	5
FED. ROAD DIST. NO. 1				CONTRACT NO. 63145		
C-91-207-09		ILLINOIS		FED. AID PROJECT M-9003 (175)		



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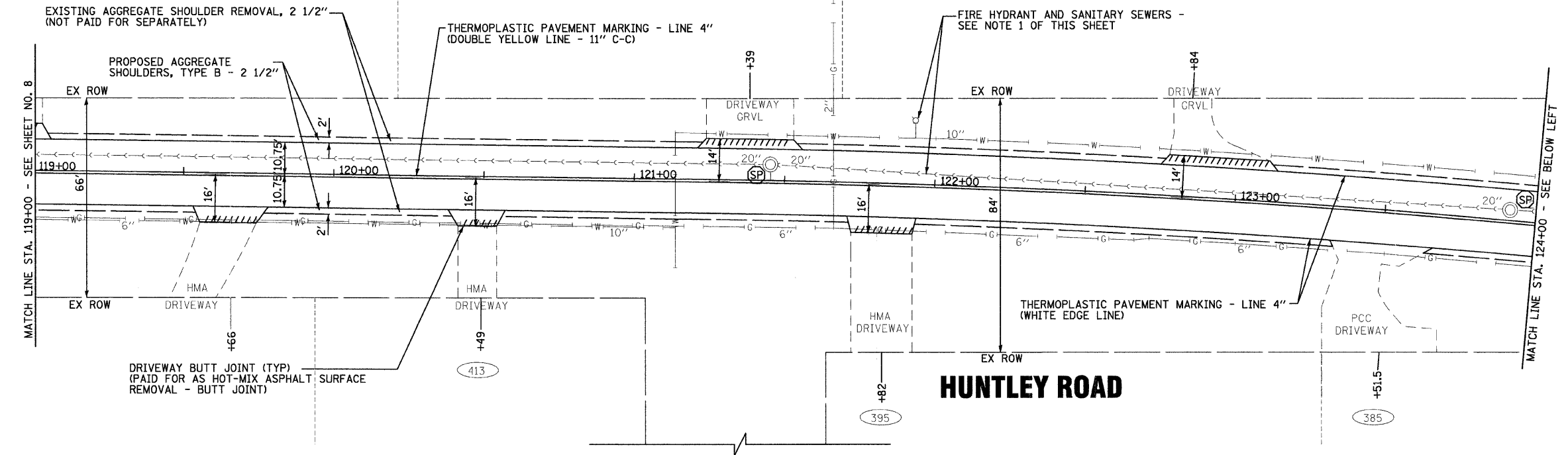
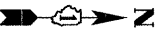


DESIGNED - REW	REVISED - 1-20-09 - IDOT REVIEW
DRAWN - UKB	REVISED -
CHECKED - RWL	REVISED -
DATE - 12-08-08	REVISED -

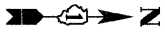
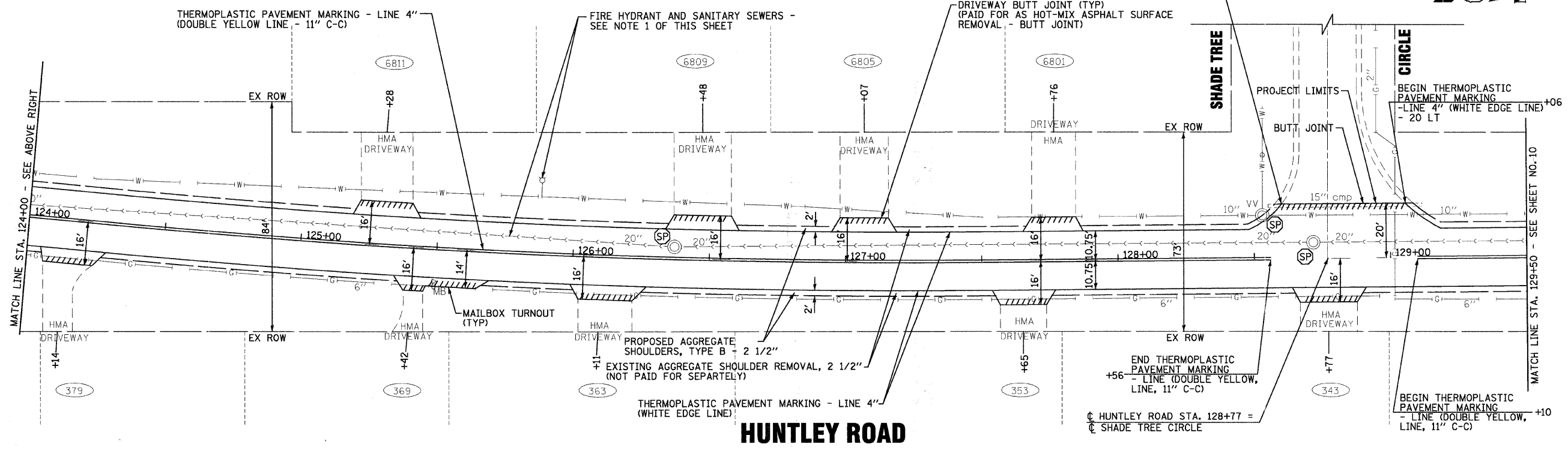
VILLAGE OF LAKEWOOD, ILLINOIS
HALIGUS ROAD AND HUNTLEY ROAD STP (LAPP)
IMPROVEMENTS

PLAN - HALIGUS ROAD
 SCALE: 1"=20'
 STA: 17+50 TO STA: 27+50

*F.A.U. 3869 HALIGUS ROAD AND F.A.U. 0118 HUNTLEY ROAD			
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS
08-00010-00-RS		MCHENRY	17
FED. ROAD DIST. NO. 1		CONTRACT NO. 63145	
C-91-207-09		ILLINOIS FED. AID PROJECT M-9003 (179)	



NOTE 1: WATER MAIN, FIRE HYDRANTS, AND SANITARY SEWERS ARE OWNED AND MAINTAINED BY THE CITY OF CRYSTAL LAKE. SEE ALSO GENERAL NOTES 6 AND 22 ON SHEET 2.



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 STATE OF ILLINOIS - PROFESSIONAL DESIGN FIRM
 LICENSE NO. - 08-00010-00-RS
 12/2/2009
 PROJECT: VILLAGE OF LAKEWOOD, ILLINOIS
 DRAWING: HALIGUS ROAD AND HUNTLEY ROAD STP (LAPP)
 SHEET: PLAN - HUNTLEY ROAD



DESIGNED - REW	REVISED - 1-20-09 - IDOT REVIEW
DRAWN - UKB	REVISED -
CHECKED - RWL	REVISED -
DATE - 12-08-08	REVISED -

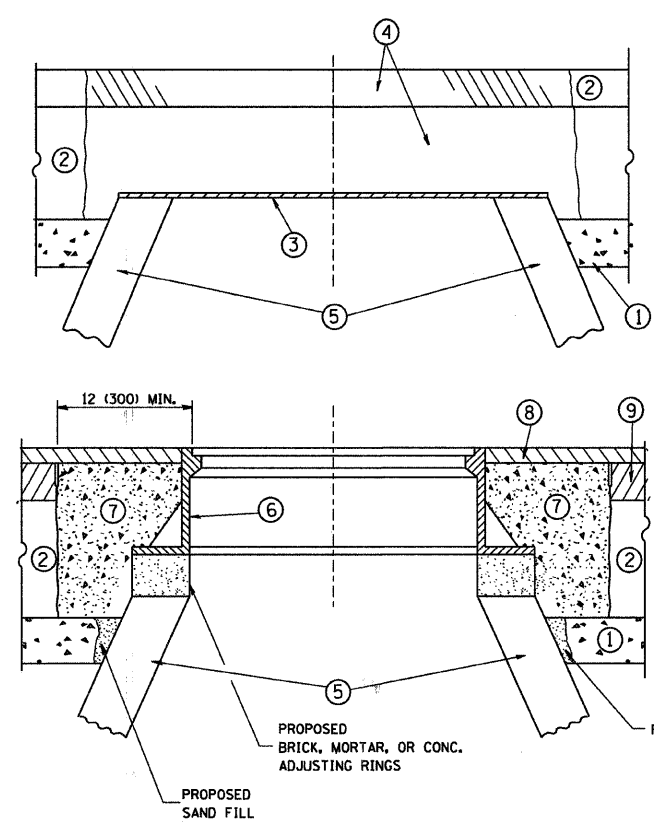
VILLAGE OF LAKEWOOD, ILLINOIS
HALIGUS ROAD AND HUNTLEY ROAD STP (LAPP)
IMPROVEMENTS

SCALE: 1"=20'

PLAN - HUNTLEY ROAD

STA: 119+00 TO STA: 129+50

*F.A.U. 3869 HALIGUS ROAD AND F.A.U. 0118 HUNTLEY ROAD			
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS
08-00010-00-RS		MCHENRY	17
FED. ROAD DIST. NO. 1			CONTRACT NO. 63145
C-91-207-09			ILLINOIS FED. AID PROJECT M-9003 (175)



CONSTRUCTION PROCEDURES

- STAGE 1 (BEFORE PAVEMENT MILLING)**
- A) REMOVE A MINIMUM OF 12 (300) OF THE PAVEMENT FROM AROUND THE STRUCTURE.
 - B) REMOVE THE EXISTING FRAME AND LID FROM THE STRUCTURE.
 - C) COVER THE STRUCTURE OPENING WITH A 36 (900) DIAMETER METAL PLATE.
 - D) BACKFILL WITH CRUSHED STONE AND A MINIMUM 1 1/2 (40) THICK HMA SURFACE MIX APPROVED BY THE ENGINEER.
- STAGE 2 (AFTER PAVEMENT MILLING)**
- A) REMOVE THE HMA SURFACE MIX AND CRUSHED STONE.
 - B) INSTALL THE FRAME AND LID; ADJUST THE FRAME TO ITS FINAL SURFACE ELEVATION.
 - C) THE SURROUNDING SPACE SHALL BE FILLED WITH CLASS SI CONCRETE, OR HMA SURFACE COURSE OR HMA BINDER COURSE TO THE ELEVATION OF THE SURFACE OF THE EXISTING BASE COURSE OR THE BINDER COURSE.

THE PROCEDURE EXPLAINED ABOVE SHALL CONFORM TO THE APPLICABLE PORTIONS OF SECTIONS 353, 406, 602, AND 603 OF THE STANDARD SPECIFICATIONS.

LEGEND

- ① SUB-BASE GRANULAR MATERIAL
- ② EXISTING PAVEMENT
- ③ 36 (900) DIAMETER METAL PLATE
- ④ PROPOSED CRUSHED STONE AND HMA SURFACE MIX
- ⑤ EXISTING STRUCTURE
- ⑥ FRAME AND LID (SEE NOTES)
- ⑦ CLASS SI CONCRETE, HMA SURFACE COURSE OR HMA BINDER COURSE
- ⑧ PROPOSED HMA SURFACE COURSE
- ⑨ PROPOSED HMA BINDER COURSE

NOTES:

EXISTING BROKEN FRAMES AND LIDS SHALL BE REMOVED AND DISPOSED OF BY THE CONTRACTOR AND SHALL BE REPLACED AS DIRECTED BY THE ENGINEER. REPLACEMENT FRAMES AND LIDS WILL BE PAID FOR IN ACCORDANCE WITH ARTICLE 109.04 OF THE STANDARD SPECIFICATIONS UNLESS A SEPARATE PAY ITEM HAS BEEN PROVIDED.

IF THE EXISTING LIDS ARE OPEN, THE FRAME WILL BE ADJUSTED TO THE ELEVATION OF THE MILLED PAVEMENT SURFACE PRIOR TO THE MILLING OPERATION. THE FRAME WILL NOT BE REMOVED AND COVERED BY THE METAL PLATE.

CITY OF CHICAGO CASTINGS ARE THE PROPERTY OF THE CITY AND THE CONTRACTOR SHALL NOTIFY THE CITY FOR REMOVAL AND DISPOSITION OF THE CASTINGS.

THE METAL PLATE USED TO COVER THE STRUCTURE SHALL REMAIN THE PROPERTY OF THE CONTRACTOR.

WHEN STRUCTURES ARE TO BE ADJUSTED OR RECONSTRUCTED, THE LOWERING AND RAISING OF THE FRAMES AND LIDS WILL NOT BE PAID FOR SEPARATELY BUT WILL BE INCLUDED IN THE COST OF THE CORRESPONDING PAY ITEM.

LOCATION OF STRUCTURES:

THE CONTRACTOR WILL BE REQUIRED TO KEEP A RECORD OF THE LOCATIONS OF THE BURIED STRUCTURES ACCORDING TO THE STATION AND DISTANCE LEFT OR RIGHT OF THE CENTERLINE OF PAVEMENT. UPON COMPLETION OF THE WORK, THE CONTRACTOR WILL DELIVER THE RECORD TO THE ENGINEER.

BASIS OF PAYMENT: THIS WORK WILL BE PAID FOR AT THE CONTRACT UNIT PRICE PER EACH FOR "FRAMES AND LIDS TO BE ADJUSTED, SPECIAL"
NEW FRAMES AND LIDS, WHEN SPECIFIED, WILL BE PAID FOR SEPARATELY.

DETAILS FOR FRAMES AND LIDS ADJUSTMENT WITH MILLING

* F.A.U. 3869 HALIGUS ROAD AND F.A.U. 0118 HUNTLEY ROAD

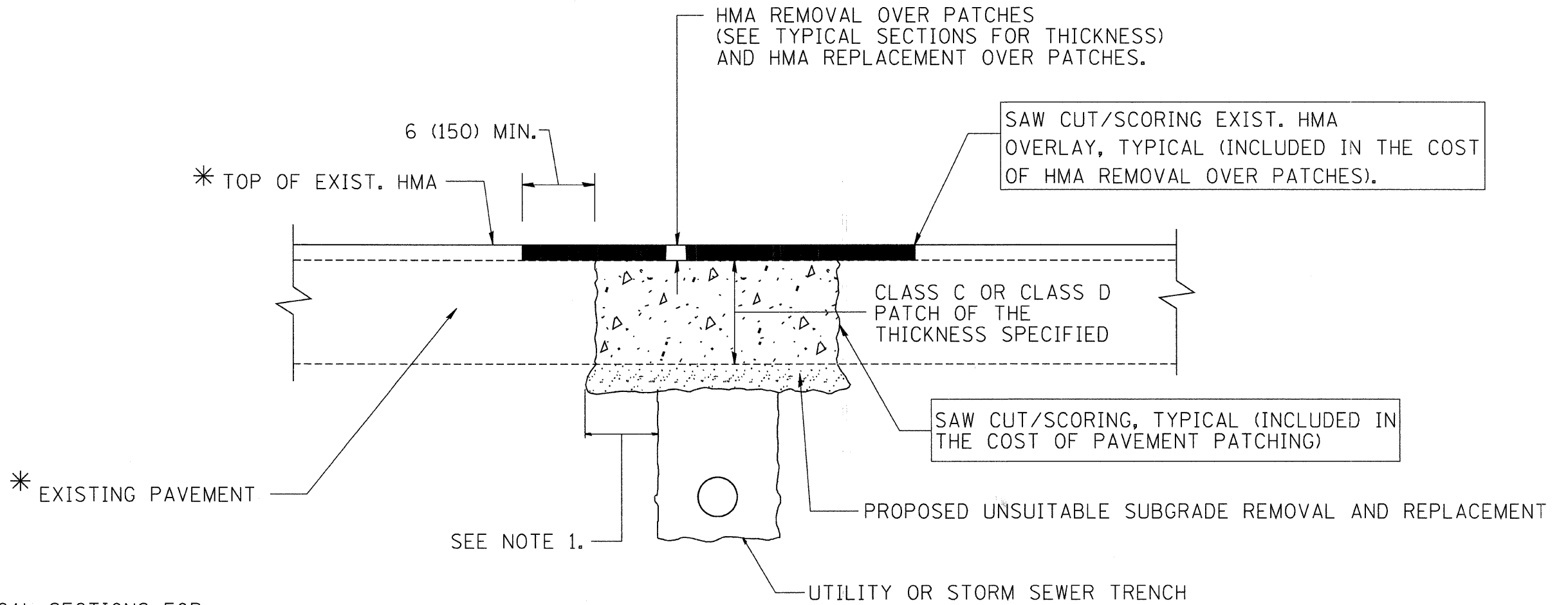
ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	08-00010-00-RS	McHENRY	17	11
BD600-03 (BD-8)			CONTRACT NO. 63145	
FED. ROAD DIST. NO. 1 [ILLINOIS] FED. AID PROJECT M-9003 (175)				
C-91-207-09				

FILE NAME =	USER NAME = geglrenobt	DESIGNED - R. SHAH	REVISED - R. SHAH 03-10-95
W:\diststd\22x34\bd08.dgn		DRAWN -	REVISED - A. ABBAS 03-21-97
	PLOT SCALE = 50.0000' / IN.	CHECKED -	REVISED - R. WIEDEMAN 05-14-04
	PLOT DATE = 1/4/2008	DATE - 10-25-94	REVISED - R. BORO 01-01-07

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

DETAILS FOR FRAMES AND LIDS ADJUSTMENT WITH MILLING			
SCALE: NONE	SHEET NO. 1 OF 1 SHEETS	STA.	TO STA.



* SEE TYPICAL SECTIONS FOR THICKNESS AND MATERIALS

NOTES:

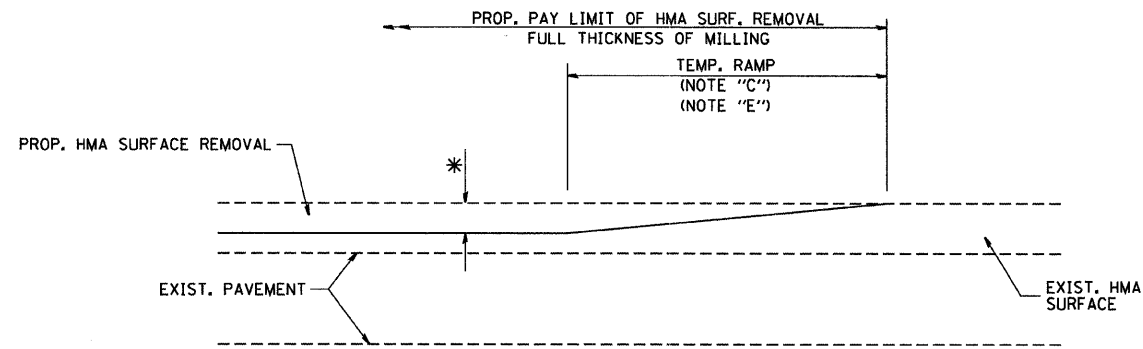
1. THE WIDTH OF THE FULL DEPTH PATCH OVER A TRENCH SHALL BE 12 (300) WIDER ON EACH SIDE OF THE TRENCH.
2. FOR METHOD OF MEASUREMENT AND BASIS OF PAYMENT, SEE RECURRING SPECIAL PROVISION "PATCHING WITH HOT-MIX ASPHALT OVERLAY REMOVAL".

SEQUENCE OF CONSTRUCTION

1. REMOVE THE EXISTING HMA MATERIAL OVER THE AREA TO BE PATCHED.
2. REMOVE AND REPLACE FULL DEPTH PATCHES
3. REPLACE HMA MATERIAL OVER THE AREA TO BE PATCHED.

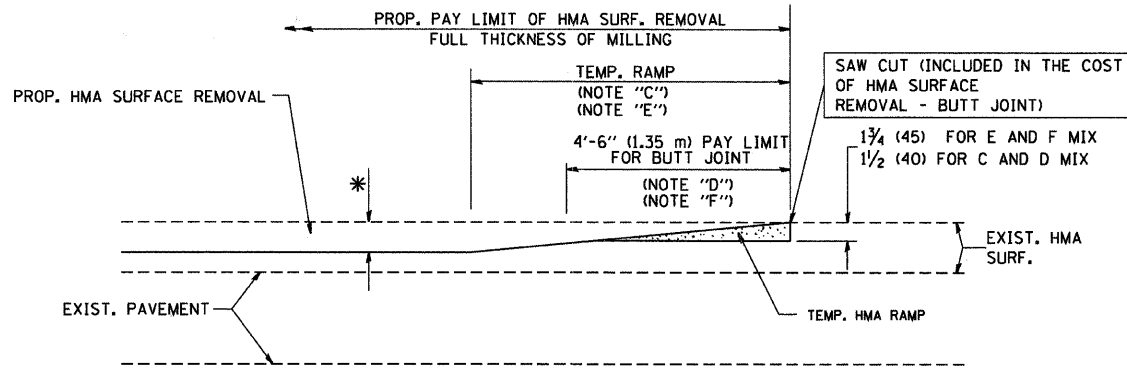
* F.A.U. 3869 HALIGUS ROAD AND F.A.U. 0118 HUNTLEY ROAD
ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN.

FILE NAME = W:\diststd\22x34\bd22.dgn	USER NAME = gaglianobt	DESIGNED - R. SHAH	REVISED - A. ABBAS 01-20-98	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PAVEMENT PATCHING FOR HMA SURFACED PAVEMENT		F.A. RTE. *	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN -	REVISED - A. ABBAS 04-27-98				* 08-00010-00-RS	MCHENRY	17	12	
		PLOT SCALE = 50,000' / IN.	CHECKED -		REVISED - R. BORO 01-01-07	BD400-04 (BD-22)		CONTRACT NO. 63145			
		PLOT DATE = 1/4/2008	DATE - 10-25-94		REVISED - R. BORO 09-04-07	SCALE: NONE	SHEET NO. 1 OF 1 SHEETS	STA.	TO STA.	FED. ROAD DIST. NO. 1 (ILLINOIS) FED. AID PROJECT M-9003 (175) C-91-207-09	



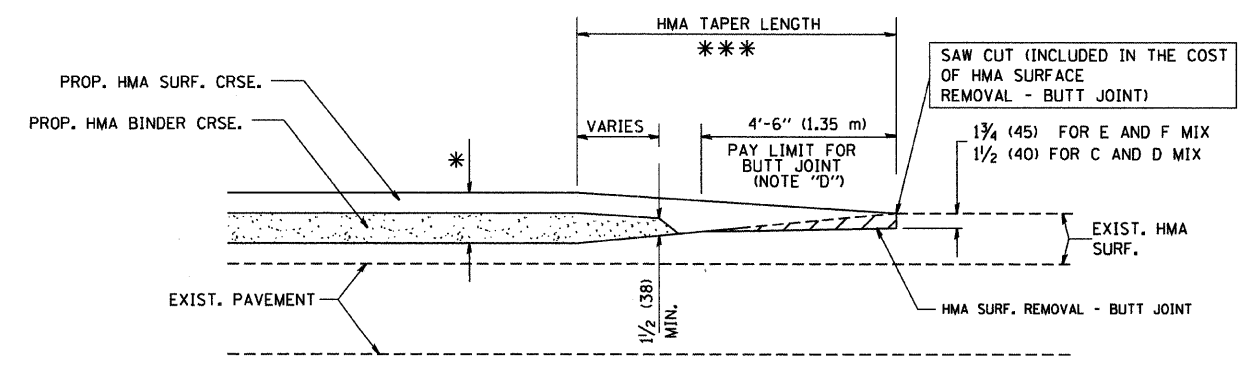
MILLED TEMPORARY RAMP
(FOR BUTT JOINT AND HMA TAPER SEE DETAIL BELOW)

OPTION 1

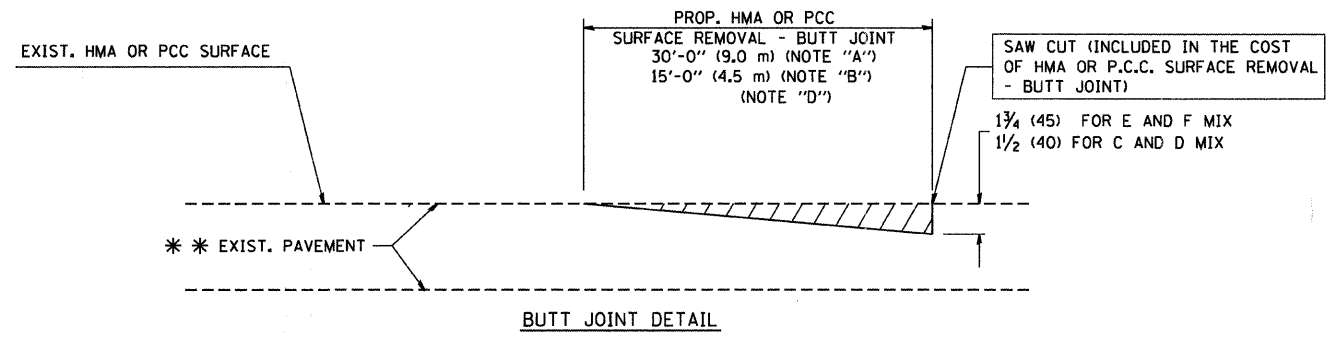


HMA CONSTRUCTED TEMPORARY RAMP
(FOR BUTT JOINT AND HMA TAPER SEE DETAIL BELOW)

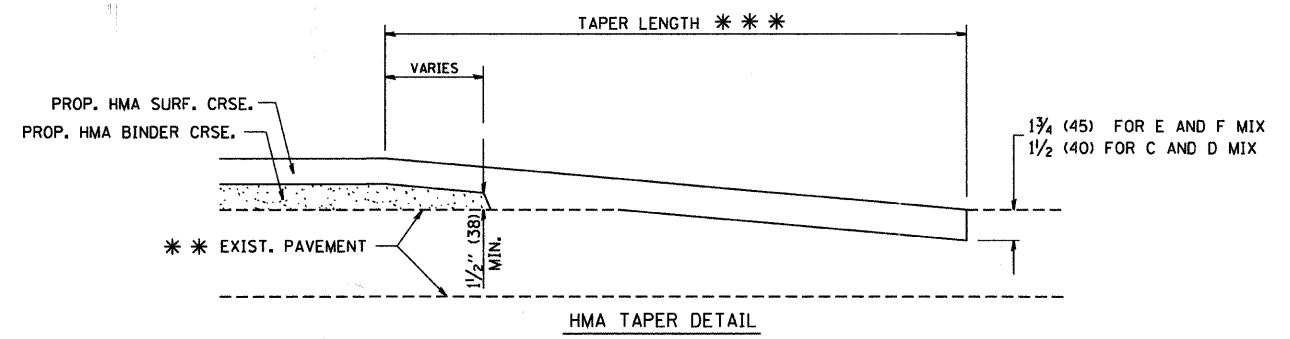
OPTION 2
TYPICAL TEMPORARY RAMP



BUTT JOINT AND HMA TAPER
TYPICAL BUTT JOINT AND HMA TAPER FOR MILLING AND RESURFACING



BUTT JOINT DETAIL



HMA TAPER DETAIL

TYPICAL BUTT JOINT AND HMA TAPER FOR RESURFACING ONLY

*** PC CONCRETE, HMA OR HMA RESURFACED PAVEMENT.

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")

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".

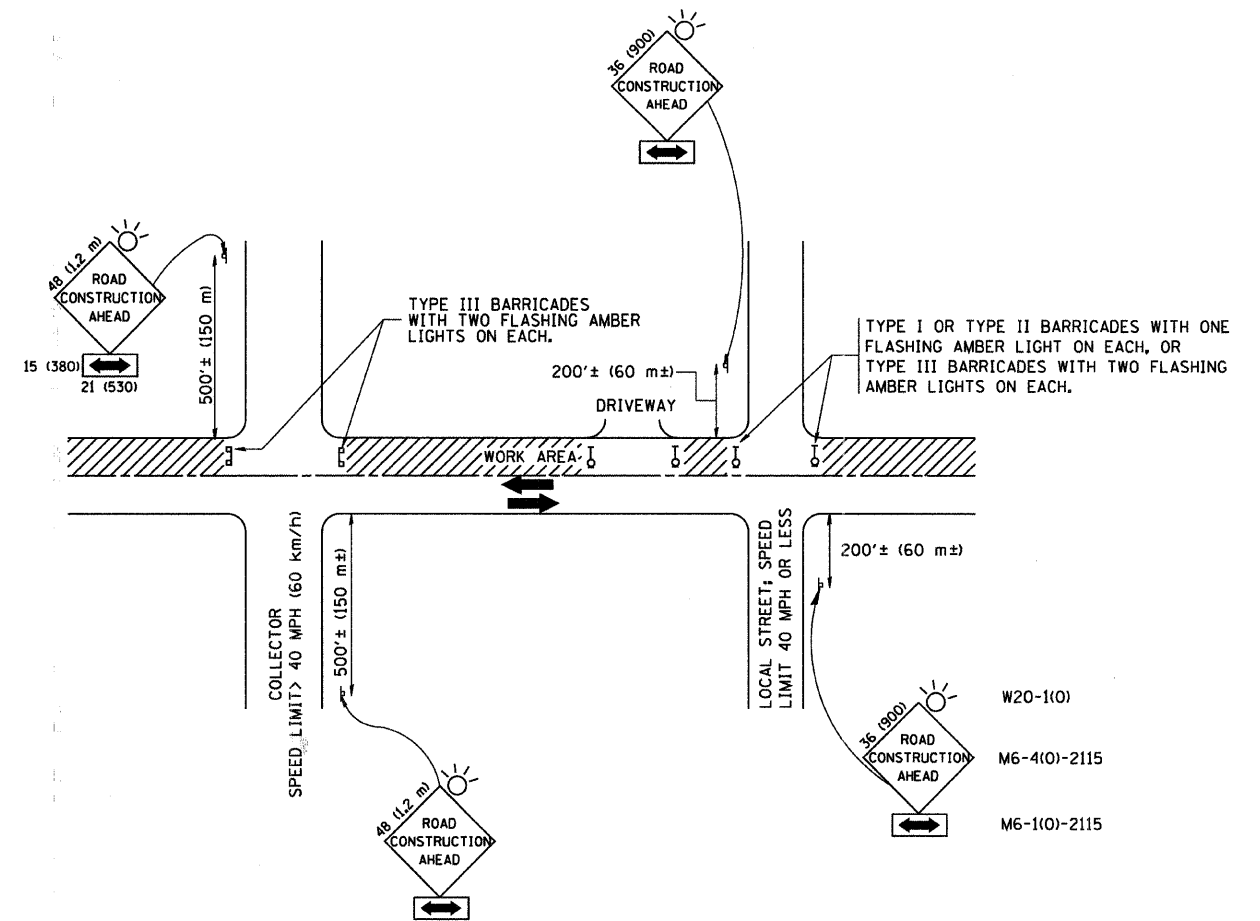
* F.A.U. 3869 HALIGUS ROAD AND F.A.U. 0118 HUNTLEY ROAD
ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN.

FILE NAME = W:\diststd\22x34\bd32.dgn	USER NAME = gg11enobt	DESIGNED - M. DE YONG	REVISED - R. SHAH 10-25-94
		DRAWN -	REVISED - A. ABBAS 03-21-97
	PLOT SCALE = 50.0000 ' / IN.	CHECKED -	REVISED - M. GOMEZ 04-06-01
	PLOT DATE = 1/4/2008	DATE - 06-13-90	REVISED - R. BORO 01-01-07

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

BUTT JOINT AND HMA TAPER DETAILS	
SCALE: NONE	SHEET NO. 1 OF 1 SHEETS
STA.	TO STA.

F.A. RTE. *	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	08-00010-00-RS	MCHENRY	17	13
BD400-05 BD32		CONTRACT NO. 63145		
FED. ROAD DIST. NO. 1 (ILLINOIS) FED. AID PROJECT M-9003 (175)				
C-91-207-09				



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

NOTES:

A. FOR NO LANE RESTRICTION ON THE SIDE ROAD OR DRIVEWAYS

1. 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:
 - a) 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.
 - b) 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.
2. SIDE ROAD WITH A SPEED LIMIT GREATER THAN 40 MPH (60 km/h) AS SHOWN ON THE DRAWING AND AS DIRECTED BY THE ENGINEER:
 - a) 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.
 - b) 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.
3. WHEN THE SIDE ROAD LIES BETWEEN THE BEGINNING OF THE MAINLINE SIGNING AND THE WORK ZONE, A SINGLE HEADED ARROW (M6-1) SHALL BE USED IN LIEU OF THE DOUBLE HEADED ARROW (M6-4).

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.

* F.A.U. 3869 HALIGUS ROAD AND F.A.U. 0118 HUNTLEY ROAD
All dimensions are in millimeters (inches) unless otherwise shown.

FILE NAME = W:\diststd\22x34\tcl0.dgn	USER NAME = gg11onobt	DESIGNED - LHA	REVISED - J. OBERLE 10-18-95
		DRAWN -	REVISED - A. HOUSEH 03-06-96
	PLOT SCALE = 50,000' / IN.	CHECKED -	REVISED - A. HOUSEH 10-15-96
	PLOT DATE = 1/4/2008	DATE - 06-89	REVISED - T. RAMMACHER 01-06-00

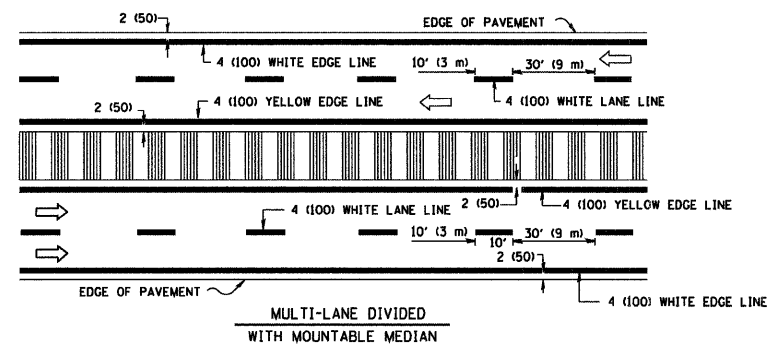
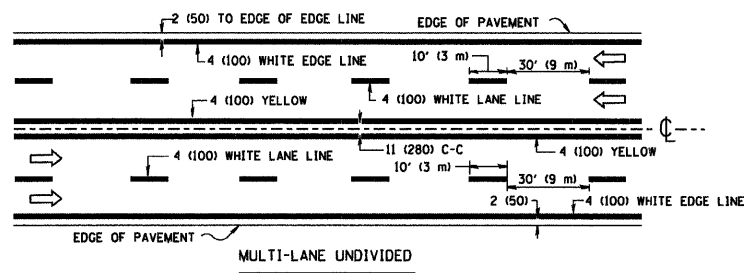
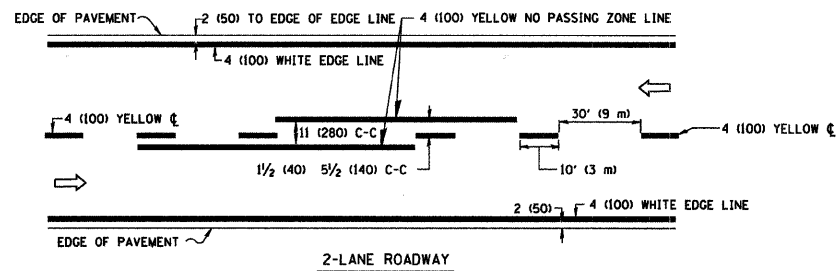
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

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

SCALE: NONE SHEET NO. 1 OF 1 SHEETS STA. TO STA.

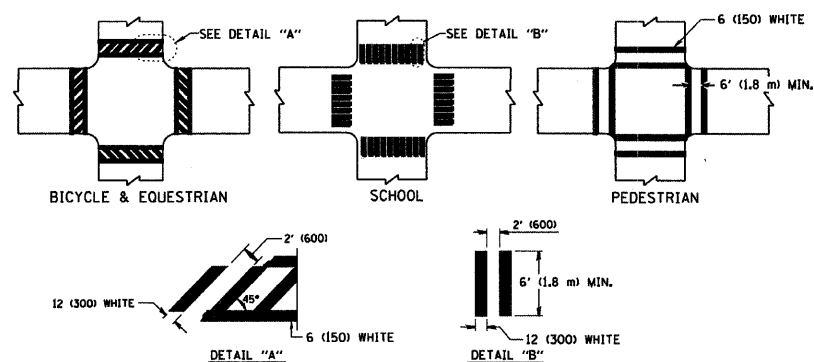
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*	08-00010-00-RS	McHENRY	17	14
TC-10			CONTRACT NO. 63145	
FED. ROAD DIST. NO. 1 (ILLINOIS) FED. AID PROJECT W-9003 (175)				

C-91-207-09

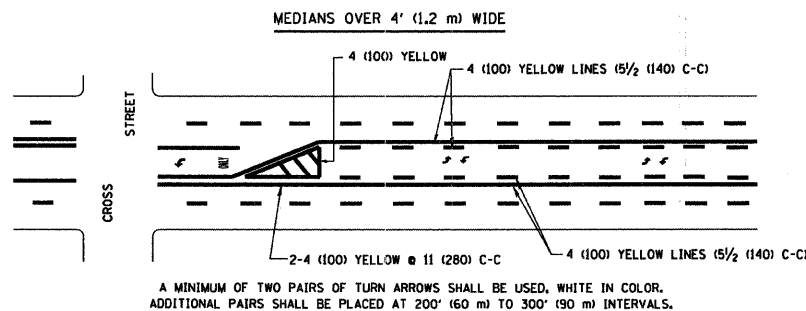
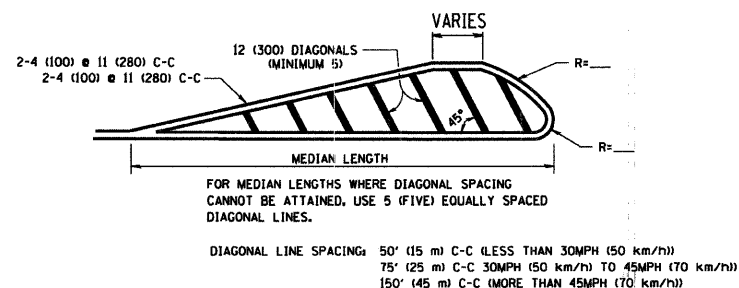
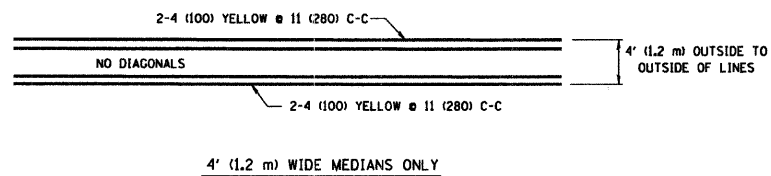


NOTE: MEDIANS WITH BARRIER CURB DO NOT REQUIRE AN EDGE LINE

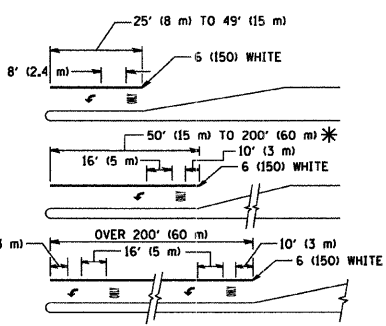
TYPICAL LANE AND EDGE LINE MARKING



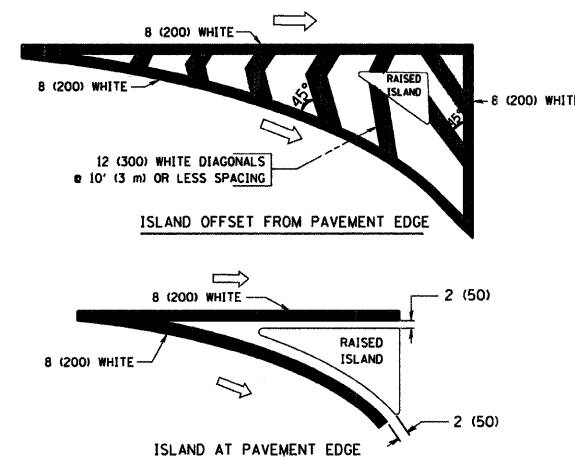
TYPICAL CROSSWALK MARKING



TYPICAL PAINTED MEDIAN MARKING



TYPICAL TURN LANE MARKING



TYPICAL ISLAND MARKING

TYPE OF MARKING	WIDTH OF LINE	PATTERN	COLOR	SPACING / REMARKS
CENTERLINE ON 2 LANE PAVEMENT	4 (100)	SKIP-DASH	YELLOW	10' (3 m) LINE WITH 30' (9 m) SPACE
CENTERLINE ON MULTI-LANE UNDIVIDED PAVEMENT	2 @ 4 (100)	SOLID	YELLOW	11 (280) C-C
NO PASSING ZONE LINES FOR ONE DIRECTION FOR BOTH DIRECTIONS	4 (100) 2 @ 4 (100)	SOLID SOLID	YELLOW YELLOW	5 1/2 (140) C-C FROM SKIP-DASH CENTERLINE 11 (280) C-C OMIT SKIP-DASH CENTERLINE BETWEEN
LANE LINES	4 (100) 5 (125) ON FREEWAYS	SKIP-DASH SKIP-DASH	WHITE WHITE	10' (3 m) LINE WITH 30' (9 m) SPACE
DOTTED LINES (EXTENSIONS OF CENTER, LANE OR TURN LANE MARKINGS)	SAME AS LINE BEING EXTENDED	SKIP-DASH	SAME AS LINE BEING EXTENDED	2' (600) LINE WITH 6' (1.8 m) SPACE
EDGE LINES	4 (100)	SOLID	YELLOW-LEFT WHITE-RIGHT	OUTLINE MOUNTABLE MEDIANS IN YELLOW EDGE LINES ARE NOT USED NEXT TO BARRIER CURB
TURN LANE MARKINGS	6 (150) LINE; FULL SIZE LETTERS & SYMBOLS (8' (2.4m))	SOLID	WHITE	SEE TYPICAL TURN LANE MARKING DETAIL
TWO WAY LEFT TURN MARKING	2 @ 4 (100) EACH DIRECTION 8' (2.4m) LEFT ARROW	SKIP-DASH AND SOLID IN PAIRS	YELLOW WHITE	10' (3 m) LINE WITH 30' (9 m) SPACE FOR SKIP-DASH 5 1/2 (140) C-C BETWEEN SOLID LINE AND SKIP-DASH LINE SEE TYPICAL TWO-WAY LEFT TURN MARKING DETAIL
CROSSWALK LINES (PEDESTRIAN) A. DIAGONALS (BIKE & EQUESTRIAN) B. LONGITUDINAL BARS (SCHOOL)	2 @ 6 (150) 12 (300) @ 45° 12 (300) @ 90°	SOLID SOLID SOLID	WHITE WHITE WHITE	NOT LESS THAN 6' (1.8 m) APART 2' (600) APART 2' (600) APART SEE TYPICAL CROSSWALK MARKING DETAILS.
STOP LINES	24 (600)	SOLID	WHITE	PLACE 4' (1.2 m) IN ADVANCE OF AND PARALLEL TO CROSSWALK, IF PRESENT. OTHERWISE, PLACE AT DESIRED STOPPING POINT. PARALLEL TO CROSSROAD CENTERLINE, WHERE POSSIBLE
PAINTED MEDIANS	2 @ 4 (100) WITH 12 (300) DIAGONALS @ 45° NO DIAGONALS USED FOR 4' (1.2 m) WIDE MEDIANS	SOLID	YELLOW; TWO WAY TRAFFIC WHITE; ONE WAY TRAFFIC	11 (280) C-C FOR THE DOUBLE LINE SEE TYPICAL PAINTED MEDIAN MARKING.
GORE MARKING AND CHANNELIZING LINES	8 (200) WITH 12 (300) DIAGONALS @ 45°	SOLID	WHITE	DIAGONALS: 15' (4.5 m) C-C (LESS THAN 30MPH (50 km/h)) 20' (6 m) C-C (30MPH (50 km/h) TO 45MPH (70 km/h)) 30' (9 m) C-C (OVER 45MPH (70 km/h))
RAILROAD CROSSING	24 (600) TRANSVERSE LINES; "RR" 15' (4.5 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' (23 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.

FILE NAME = W:\diststd\22x34\13.dgn	USER NAME = gegienobt	DESIGNED - EVERS	REVISED -T, RAMMACHER 10-27-94
		DRAWN -	REVISED -A, HOUSEH 10-09-96
	PLOT SCALE = 50,000' / IN.	CHECKED -	REVISED -A, HOUSEH 10-17-96
	PLOT DATE = 1/4/2008	DATE - 03-19-90	REVISED -T, RAMMACHER 01-06-00

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

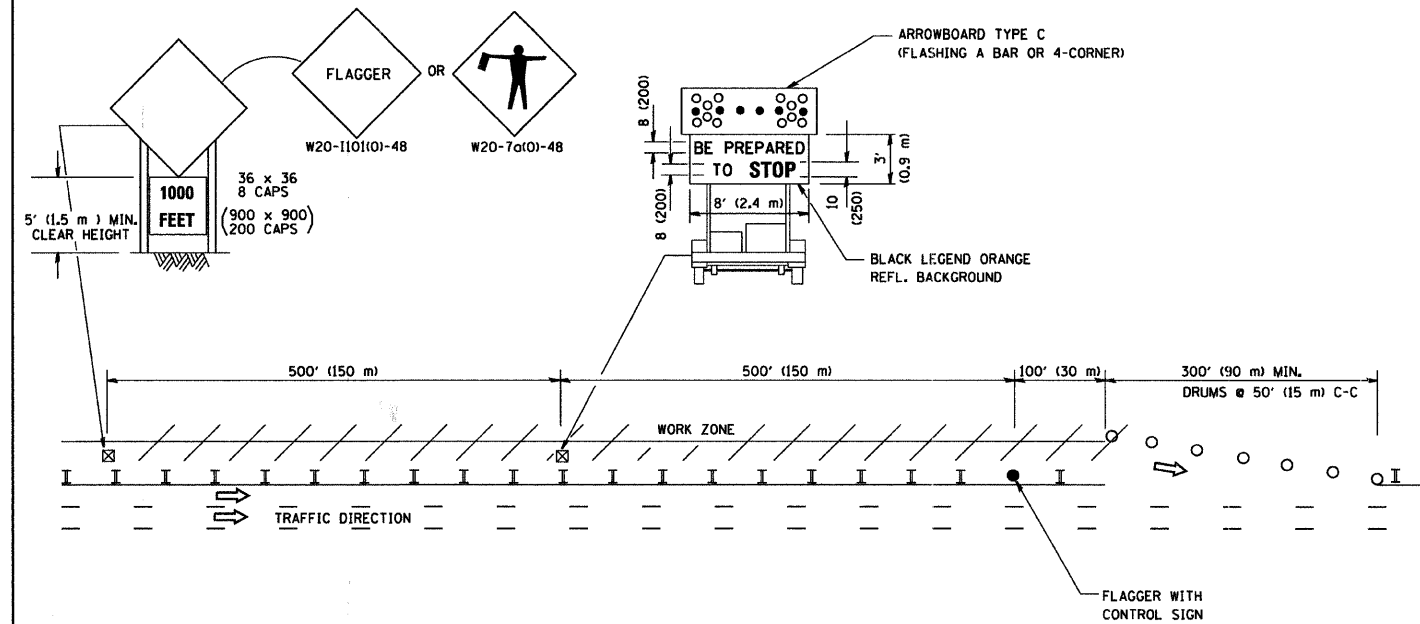
DISTRICT ONE TYPICAL PAVEMENT MARKINGS			
SCALE: NONE	SHEET NO. 1 OF 1 SHEETS	STA. TO STA.	

F.A.U. SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
08-00010-00-RS	McHENRY	17	15
TC-13		CONTRACT NO. 63145	
FED. ROAD DIST. NO. 1 [ILLINOIS] FED. AID PROJECT M-9003(175) C-91-207-09			

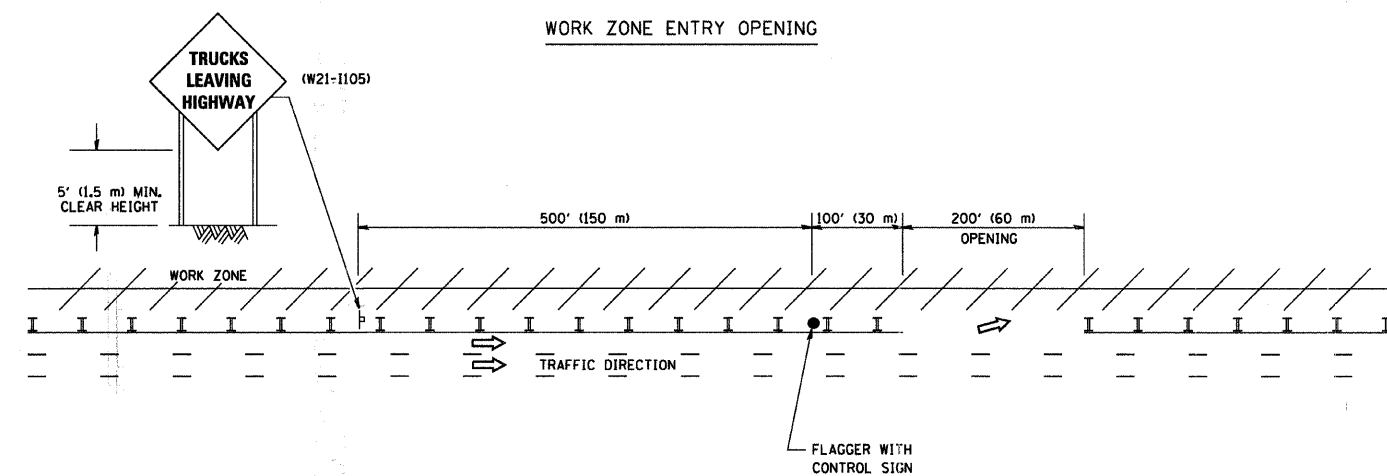
* F.A.U. 3869 HALIGUS ROAD AND F.A.U. 0118 HUNLEY ROAD

SIGNING FOR FLAGGING OPERATIONS AT WORK ZONE OPENINGS

WORK ZONE EXIT OPENING



WORK ZONE ENTRY OPENING



NOTES:

1. The Arrowboard, the Flagger Ahead trailer mounted sign, and the Trucks Leaving Highway sign shall be removed or turned away from traffic and the exit and entry openings shall be closed when the flagging operation ceases.
2. Work Zone Exit Openings should be a minimum of one half mile apart.
3. Exiting the work zone at any place other than at a Work Zone Exit Opening will be prohibited.
4. All vehicles shall enter the work zone at entry openings, using their turn signals to warn motorists

* F.A.U. 3869 HALIGUS ROAD AND F.A.U. 0118 HUNTLEY ROAD
ALL DIMENSIONS ARE IN INCHES (MILLIMETERS)
UNLESS OTHERWISE SHOWN

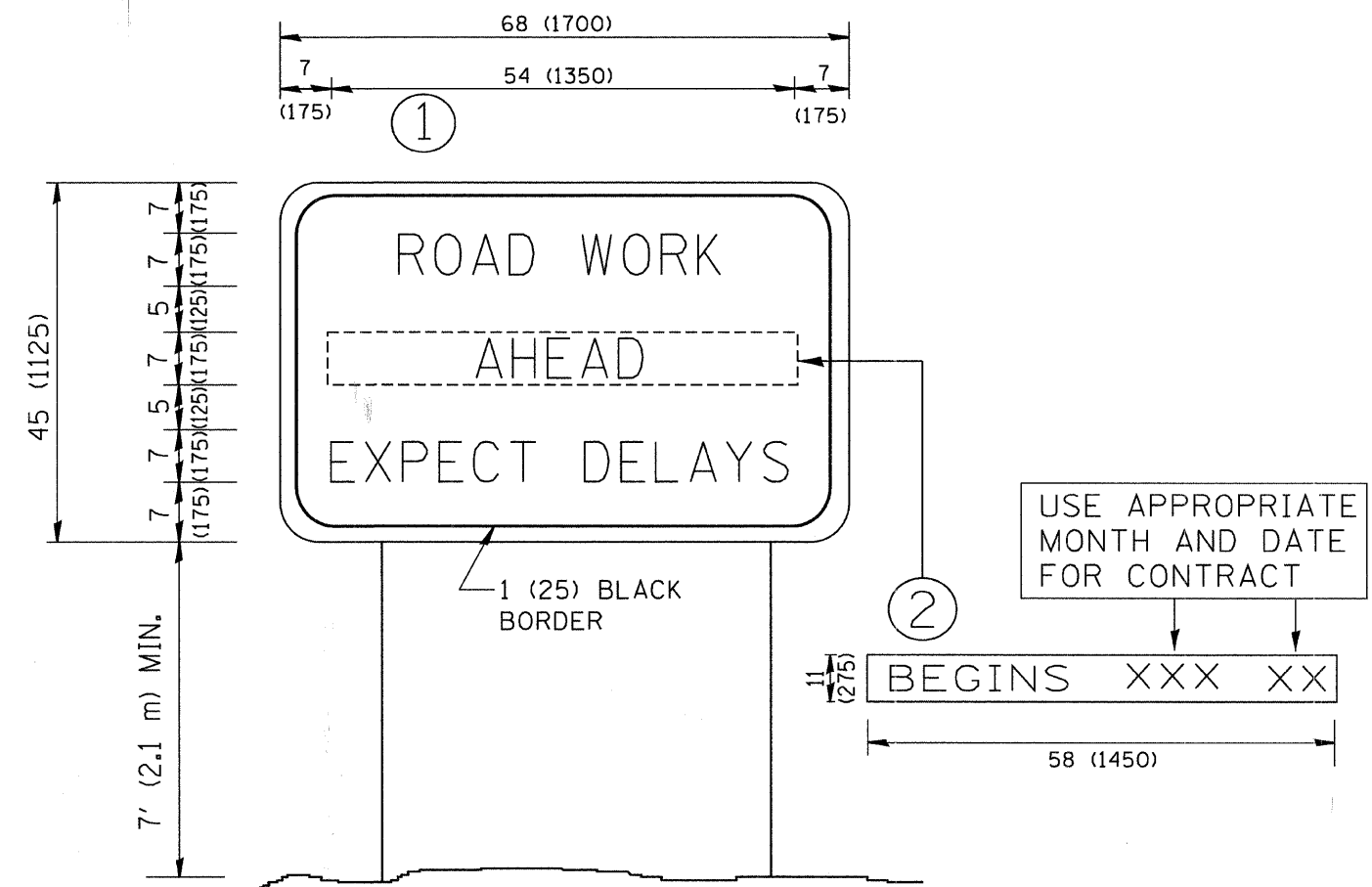
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		DESIGNED - CHECKED -	REVISED - REVISED -
		DESIGNED - DATE -	REVISED - REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SIGNING FOR FLAGGING OPERATIONS
AT WORK ZONE OPENINGS

SCALE: NONE SHEET NO. 1 OF 1 SHEETS STA. TO STA.

F.A.U. RTE. *	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	08-00010-00-RS	McHENRY	17	16
TC-18			CONTRACT NO. 63145	
FED. ROAD DIST. NO. 1 [ILLINOIS] FED. AID PROJECT M-9003 (175) C-91-207-09				



NOTES:

1. USE BLACK LETTERING ON ORANGE BACKGROUND.
2. ERECT SIGNS IN ADVANCE OF THE LOCATION FOR THE "ROAD CONSTRUCTION AHEAD" SIGN AT LOCATIONS AS DIRECTED BY THE ENGINEER.
3. ERECT SIGN ① WITH INSTALLED PANEL ② ONE WEEK PRIOR TO THE START OF CONSTRUCTION.
4. REMOVE PANEL ② SOON AFTER THE START OF CONSTRUCTION.
5. SEE SPECIAL PROVISION FOR "TEMPORARY INFORMATION SIGNING" FOR ADDITIONAL INFORMATION.
6. ONE SIGN ASSEMBLY EQUALS 25.70 SQ. FT. (2.3 SQ. M.)
7. SHALL BE PAID FOR AS TEMPORARY INFORMATION SIGNING.

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

FILE NAME = W:\diststd\22x34\tc22.dgn	USER NAME = geglienobt	DESIGNED -	REVISED - R. MIRS 09-15-97
		DRAWN -	REVISED - R. MIRS 12-11-97
	PLOT SCALE = 50,000' / IN.	CHECKED -	REVISED - T. RAMMACHER 02-02-99
	PLOT DATE = 1/4/2008	DATE -	REVISED - C. JUCIUS 01-31-07

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

ARTERIAL ROAD INFORMATION SIGN	
SCALE: NONE	SHEET NO. 1 OF 1 SHEETS
STA.	TO STA.

* F.A.U. 3869 HALIGUS ROAD AND F.A.U. 0118 HUNTLEY			
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS
*	08-00010-00-RS	MCHEENRY	17
TC-22		CONTRACT NO. 63145	
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT M-9003 (175)			
C-91-207-09			