

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

**PROPOSED
HIGHWAY PLANS**

FAS ROUTE 522 (SIDNEY-LONGVIEW RD.)
SECTION (41-15D)RS

RESURFACING
CHAMPAIGN COUNTY

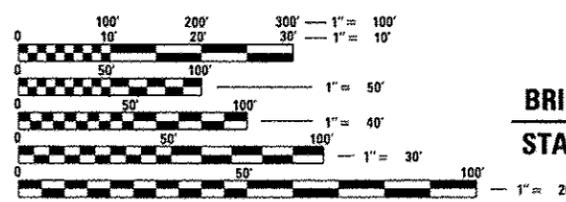
C-95-034-12
BONGARD RD. TO BROADLANDS RD.

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
522	(41-15D)RS	Champaign	11	1
		ILLINOIS	CONTRACT NO. 70A08	

FOR INDEX OF SHEETS, SEE SHEET NO. 2
FOR SUMMARY OF QUANTITIES, SEE SHEET NO. 4

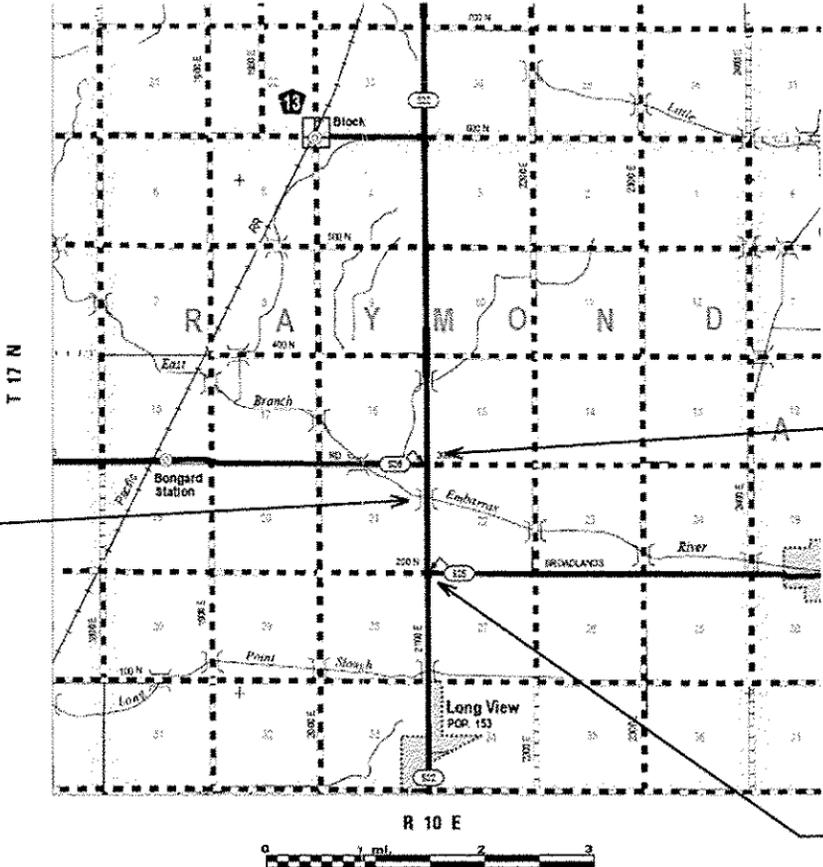
DESIGN DESIGNATION:
MAJOR COLLECTOR

CURRENT ADT: (2012)
750



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

J.U.L.I.E.
JOINT UTILITY LOCATION INFORMATION FOR EXCAVATION
1-800-892-0123
OR 811 RAYMOND TOWNSHIP



PROJECT BEGINS, STA. 372 + 12.5

BRIDGE OMISSION S.N. 010-0107
STA. 389 + 85 TO STA. 390 + 31.5

PROJECT ENDS, STA. 425 + 66.3

GROSS LENGTH = 5,353.80 FT. = 1.014 MILES
NET LENGTH = 5,307.30 FT. = 1.005 MILES

PROJECT ENGINEER: JASON STULTS (217-465-4181)
PROJECT MANAGER: RUSTIN KEYS
DESIGNER : KARY DAWSON
CONTRACT NO. 70A08

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

SUBMITTED *January 30* 20 *13*

DEPUTY DIRECTOR OF HIGHWAYS REGION ENGINEER
May 10 20 *13*
John D. Baranelli, P.E.
ENGINEER OF DESIGN AND ENVIRONMENT

May 10 20 *13*
Omer Osman, P.E.
DIRECTOR OF HIGHWAYS, CHIEF ENGINEER

PRINTED BY THE AUTHORITY
OF THE STATE OF ILLINOIS

INDEX OF SHEETS

SHEET NO.	DESCRIPTION
1	COVER SHEET
2	INDEX OF SHEETS & LIST OF HIGHWAY STANDARDS
3	GENERAL NOTES
4	SUMMARY OF QUANTITIES
5	EXISTING & PROPOSED TYPICAL SECTION
6-7	SCHEDULE OF QUANTITIES
8-9	PLAN SHEETS
10	BUTT JOINT DETAILS
11	MAILBOX TURNOUT DETAILS

HIGHWAY STANDARDS

STANDARD NO.	DESCRIPTION
000001-06	STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
001006	DECIMAL OF AN INCH AND OF A FOOT
701301-04	LANE CLOSURE, 2L, 2W, SHORT TIME OPERATIONS
701306-03	LANE CLOSURE, 2L, 2W, SLOW MOVING OPERATIONS DAY ONLY, FOR SPEEDS \geq 45 MPH
701901-02	TRAFFIC CONTROL DEVICES

FILE NAME =	USER NAME = dawsorkb	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	INDEX OF SHEETS AND HIGHWAY STANDARDS	F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
c:\pwwork\pwwork\dawsorkb\0327346\DS	2400-shs-gennote.dgn	DRAWN -	REVISED -			522	(41-150)RS	Champaign	11	2	
	PLOT SCALE = 48.0000' / in.	CHECKED -	REVISED -			CONTRACT NO. 70A08					
	PLOT DATE = 12/31/2013	DATE -	REVISED -			ILLINOIS FED. AID PROJECT					

GENERAL NOTES

G.N.-100
ENGLISH UNITS OF MEASUREMENT SHALL GOVERN OVER AND SUPERSEDE ANY METRIC UNITS SHOWN IN THIS CONTRACT. WHERE INCLUDED, METRIC UNITS ARE FOR INFORMATION ONLY.

G.N.-100A
ELECTRONIC FILES AND/OR ELECTRONIC SURVEY INFORMATION INCLUDING CADD FILES WILL NOT BE AVAILABLE TO THE CONTRACTOR.

G.N.-105.09A
ALL ELEVATIONS SHOWN IN THE PLANS ARE BASED ON NORTH AMERICAN VERTICAL DATUM OF 1988. (NAVD 88)

G.N.-107.37
UTILITY LINES WERE PLOTTED FROM INFORMATION FURNISHED BY THE VARIOUS UTILITY COMPANIES INVOLVED (QUALITY LEVEL C &/OR QUALITY LEVEL D) AND THE ACCURACY SHOULD BE CONSIDERED APPROXIMATE ONLY.

UTILITY COMPANIES MAY BE ADJUSTING THEIR FACILITIES DURING CONSTRUCTION. THE CONTRACTOR SHALL COOPERATE WITH THESE ORGANIZATIONS WHILE THESE ADJUSTMENTS ARE BEING PERFORMED. J.U.L.I.E. - JOINT UTILITY LOCATION INFORMATION FOR EXCAVATORS SYSTEM (800)892-0123 OR 811.

G.N.-406 (SPEC)
THE QUANTITIES INCLUDED IN THE PLANS FOR COLD-MIX ASPHALT RESURFACING ARE INTENDED TO GIVE THE COVERAGE SHOWN ON THE TYPICAL SECTIONS. IT IS NOT INTENDED TO INCREASE THE THICKNESS OF THE COLD-MIX ASPHALT MIXTURE IN ORDER TO USE ALL OF THE QUANTITIES INCLUDED IN THE CONTRACT.

G.N.-1004.01
COARSE AGGREGATE GRADATION CA-10 MAY BE USED WHENEVER COARSE AGGREGATE CA-6 IS SPECIFIED IN THE STANDARD SPECIFICATIONS.

THERE ARE NO COMMITMENTS ASSOCIATED WITH THIS PROJECT.

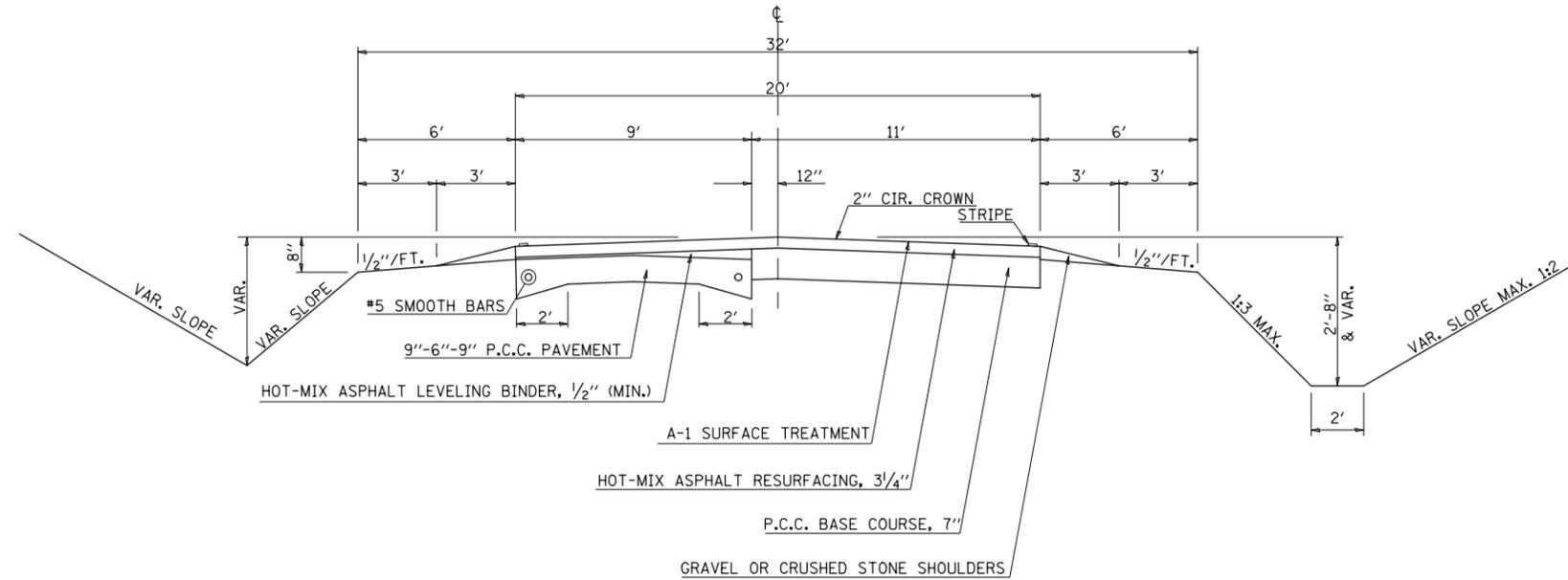
FILE NAME = <small>c:\pwwork\pwwork\dawsonkb\10327346\0573408-shc-gennote.dgn</small>	USER NAME = dawsonkb <small>10327346\0573408-shc-gennote.dgn</small>	DESIGNED - DRAWN - CHECKED - DATE -	REVISED - REVISED - REVISED - REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	GENERAL NOTES	F.A.S. RTE. 522	SECTION 44-150IRS	COUNTY Champaign	TOTAL SHEETS 11	SHEET NO. 3
				SCALE: _____ SHEET _____ OF _____ SHEETS STA. _____ TO STA. _____		ILLINOIS FED. AID PROJECT CONTRACT NO. 70A08				

EXISTING TYPICAL SECTION

STA. 372+12.5 TO STA. 389+85.0
 STA. 390+31.5 TO STA. 425+66.3

BRIDGE OMISSION: S.N. 010-0107

STA. 389+85.0 TO STA. 390+31.5

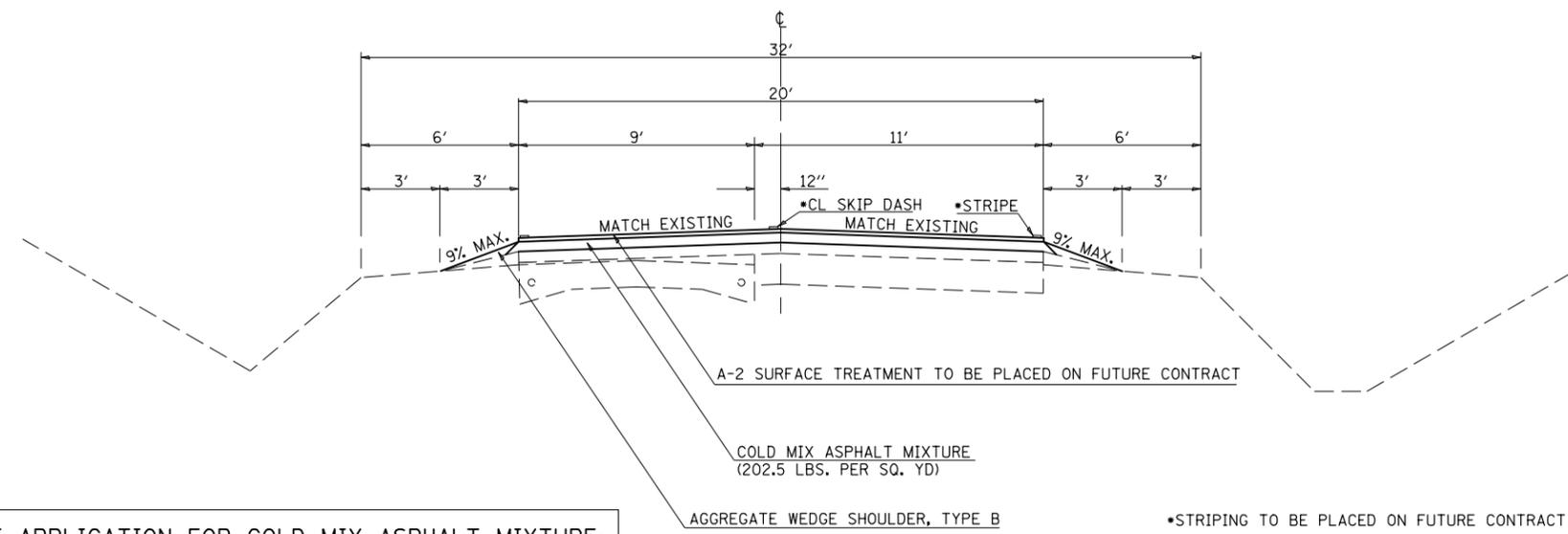


PROPOSED TYPICAL SECTION

STA. 372+12.5 TO STA. 389+85.0
 STA. 390+31.5 TO STA. 425+66.3

BRIDGE OMISSION: S.N. 010-0107

STA. 389+85.0 TO STA. 390+31.5



**RATE OF APPLICATION FOR COLD MIX ASPHALT MIXTURE:
 90 LBS. PER SQ. YD. PER INCH**

FILE NAME =	USER NAME = dawsonkb	DESIGNED - _____	REVISED - _____	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	EXISTING AND PROPOSED TYPICAL SECTION		F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
ci:\pw\work\p\dot\dawsonkb\0327346\0570A08-sh-t-typical.dgn		DRAWN - _____	REVISED - _____		522	(41-15D)RS	Champaign	11	5		
\$MODELNAME\$	PLOT SCALE = 40.0000' / in.	CHECKED - _____	REVISED - _____		CONTRACT NO. 70A08			ILLINOIS FED. AID PROJECT			
	PLOT DATE = 1/31/2013	DATE - _____	REVISED - _____		SCALE: _____	SHEET _____	OF _____	SHEETS	STA. _____	TO STA. _____	

SCHEDULE OF QUANTITIES

RESURFACING QUANTITIES											
LOCATION	STATION	TO	STATION	LENGTH (FOOT)	WIDTH (FOOT)	AREA (SQ YD)	COLD MIX AVG. THICKNESS (INCH)	40600100 BITUMINOUS MATERIALS PRIME COAT (GAL)	X4060205 COLD MIX ASPHALT MIXTURE (TON)	LR400300 BLOTTER AGGREGATE (TON)	
PREPARATION OF BASE											
FILL AREAS		VARIOUS SPOT LOCATIONS (10)				10.0	2.25			1.0	
MAINLINE QUANTITIES											
	372+12.50	TO	389+85.00	1,772.5	20.0	3,938.9	2.25	393.9	398.8	29.5	
	390+31.50	TO	425+66.30	3,534.8	20.0	7,855.1	2.25	785.5	795.3	58.9	
SUB-TOTAL =								1,179.4	1,195.1	88.5	
INCIDENTAL QUANTITIES											
SIDEROAD	373+52.24	RT		10.0	VARIES	107.1	1.875	10.7	9.0	0.8	
SIDEROAD	373+53.02	LT		10.0	VARIES	51.9	1.875	5.2	4.4	0.4	
PE	398+51.30	RT		10.0	VARIES	36.5	1.875	3.7	3.1	0.3	
SUB-TOTAL =								19.6	16.5	1.5	
TOTAL =								1,199.0	1,211.6	89.9	
USE =								1,199.0	1,212.0	90.0	

SCHEDULE OF QUANTITIES

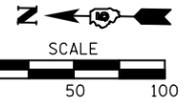
40600982 HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT					
LOCATION	STATION	TO	STATION	WIDTH (FOOT)	AREA (SQ YD)
MAINLINE QUANTITIES					
BEGINNING OF SECTION	372+12.50	TO	372+80.00	20.0	150.0
APPROACH TO SN 010-0107	389+17.50	TO	389+85.00	VARIES	176.0
DEPARTURE TO SN 010-0107	390+31.50	TO	390+99.00	VARIES	180.0
END OF SECTION	424+98.80	TO	425+66.30	20.0	150.0
MAINLINE TOTAL =					656.0

X4400196 HOT-MIX ASPHALT SURFACE REMOVAL, SPECIAL					
LOCATION	STATION	TO	STATION	WIDTH (FOOT)	AREA (SQ YD)
INCIDENTAL QUANTITIES					
SIDEROAD	373+52.24	RT		VAR	107.1
SIDEROAD	373+53.02	LT		VAR	51.9
PRIVATE ENTRANCE	398+51.30	RT		VAR	36.5
INCIDENTAL TOTAL =					195.5
USE =					196.0

48102100 AGGREGATE WEDGE SHOULDER, TYPE B									
LOCATION	STATION	TO	STATION	LENGTH (FOOT)	AVG. WIDTH (FOOT)	AREA (SQ YD)	AVERAGE THICKNESS (INCHES)	48102100 AGG WEDGE SHLDR, TYPE B (TON)	
MAINLINE QUANTITIES									
	RT	372+12.50	TO RT	389+85.00	1,772.5	3.0	590.8	2.625	77.5
	LT	372+12.50	TO LT	389+85.00	1,772.5	3.0	590.8	2.625	77.5
	RT	390+31.50	TO RT	425+66.30	3,534.8	3.0	1,178.3	2.625	154.6
	LT	390+31.50	TO LT	425+66.30	3,534.8	3.0	1,178.3	2.625	154.6
MAINLINE TOTAL =									464.4
INCIDENTAL QUANTITIES									
SIDEROAD	RT	373+52.24			57.0	2.5	15.8	2.625	2.1
SIDEROAD	LT	373+53.02			32.0	2.5	8.9	2.625	1.2
P.E.	RT	398+51.30			30.0	2.5	8.3	2.625	1.1
MBTO	LT	398+84.00			VARIES	VARIES	29.2	2.625	3.8
INCIDENTAL TOTAL =									8.2
TOTAL =									472.6
USE =									473.0

SEC. 15 - T 17 N - R 10 E - 3RD PM

SEC. 22 - T 17 N - R 10 E - 3RD PM



PROPOSED IMPROVEMENT
BEGINS STA. 372+12.50

STATION 680+00 (EAST 300N) =
STATION 373+53.02 (F.A.S. 522)

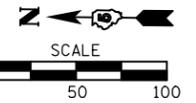
STATION 130+36.41 (BONGARD ROAD) =
STATION 373+52.24 (F.A.S. 522)

HMA SURFACE REMOVAL- BUTT JOINT
SEE DETAIL

SEC. 16 - T 17 N - R 10 E - 3RD PM

SEC. 21 - T 17 N - R 10 E - 3RD PM

SEC. 22 - T 17 N - R 10 E - 3RD PM



MATCH LINE STA. 385+00.00

MATCH LINE STA. 400+00.00

BRIDGE OMISSION
S.N. 010-0107
STA. 389+85 TO 390+31.5

HMA SURFACE REMOVAL- BUTT JOINT
SEE DETAIL

SEC. 21 - T 17 N - R 10 E - 3RD PM

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#MODELNAME#	PLOT DATE = 1/31/2013	DATE -	REVISED -

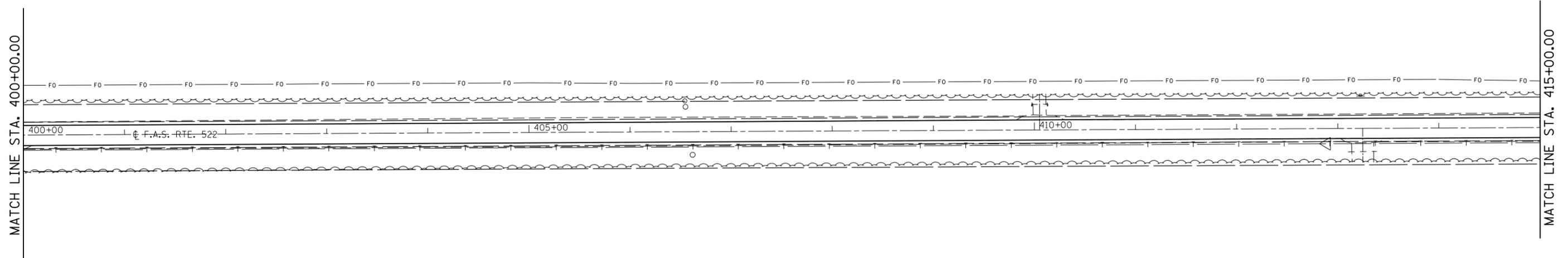
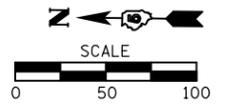
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PLAN SHEET

SCALE: SHEET 1 OF 2 SHEETS STA. TO STA.

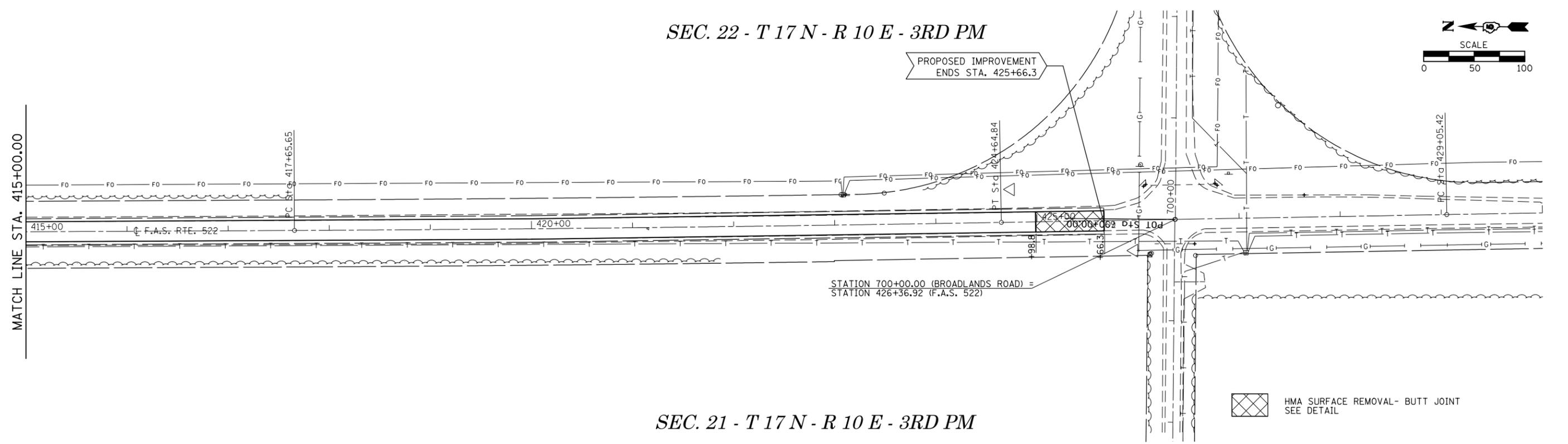
F.A.S. RTE. 522	SECTION (41-15D)RS	COUNTY CHAMPAIGN	TOTAL SHEETS 11	SHEET NO. 8
CONTRACT NO. 70A08				
ILLINOIS FED. AID PROJECT				

SEC. 22 - T 17 N - R 10 E - 3RD PM



SEC. 21 - T 17 N - R 10 E - 3RD PM

SEC. 22 - T 17 N - R 10 E - 3RD PM

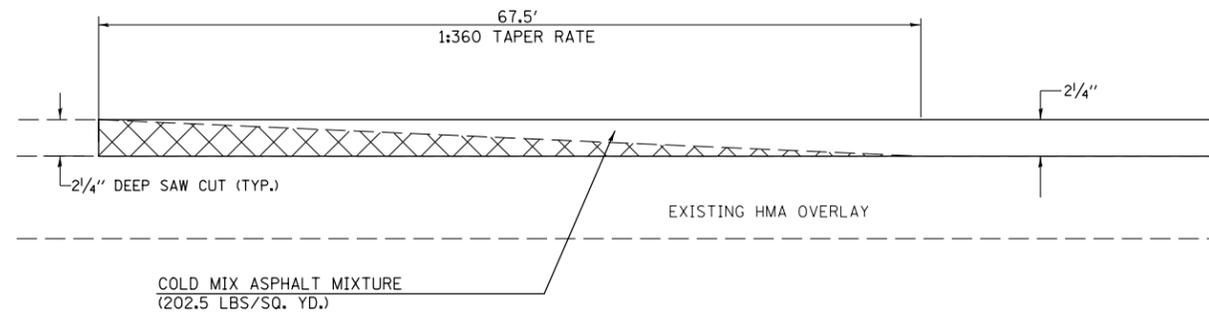


SEC. 21 - T 17 N - R 10 E - 3RD PM

HMA SURFACE REMOVAL - BUTT JOINT
SEE DETAIL

FILE NAME =	USER NAME = dawsankb	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PLAN SHEET			F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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		DATE -	REVISED -					CONTRACT NO. 70A08				

BUTT JOINT DETAIL FOR BEGINNING OF PROJECT



HMA SURFACE REMOVAL - BUTT JOINT

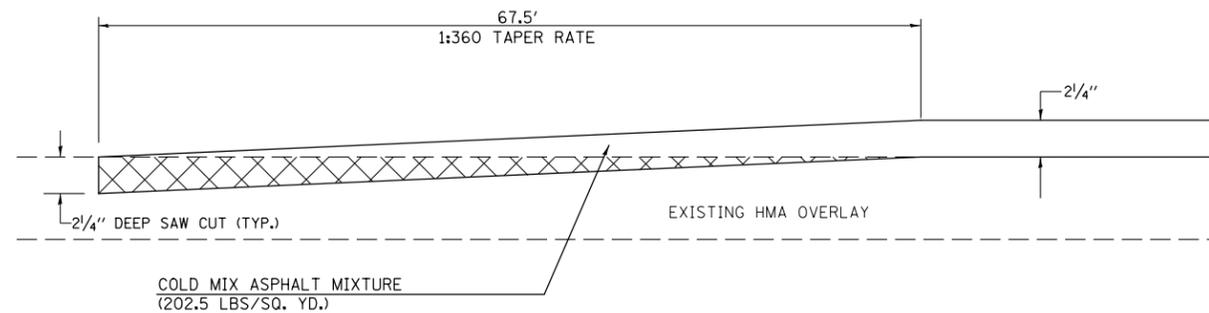
STATION	TO	STATION
372+12.50		372+80.00

HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT
NOTE:

SAW CUT IS INCLUDED IN THE COST OF HMA SURFACE REMOVAL - BUTT JOINT

BUTT JOINT DETAIL FOR END OF PROJECT

& NEAR S.N. 010-0107



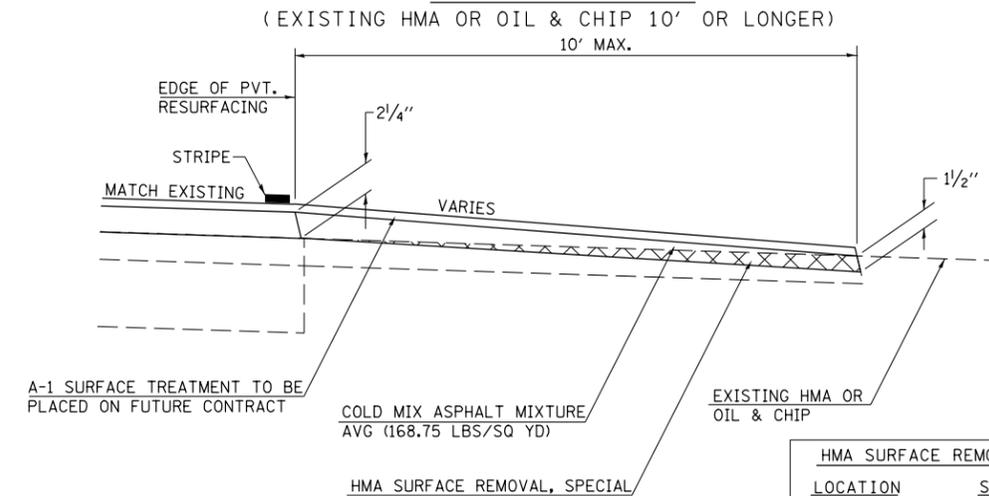
HMA SURFACE REMOVAL - BUTT JOINT

STATION	TO	STATION
389+17.50		389+85.00
390+31.50		390+99.00
424+98.80		425+66.30

HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT
NOTE:

SAW CUT IS INCLUDED IN THE COST OF HMA SURFACE REMOVAL - BUTT JOINT

BUTT JOINT DETAIL FOR PRIVATE ENTRANCE OR SIDEROAD



HMA SURFACE REMOVAL, SPECIAL	
LOCATION	STATION
SIDEROAD	373+52.24 RT
SIDEROAD	373+53.02 LT
P. E.	398+51.30 RT

NOTES: THE INTENT IS TO RESURFACE THE EXISTING CONFIGURATION OF THE ENTRANCES AND SIDEROADS TO A MAXIMUM OF 10' FROM THE EDGE OF PAVEMENT. EXISTING SIDEROADS SHOULD BE RESURFACED TO MAINTAIN THEIR CURRENT RADII.

GENERAL NOTES

1. THE EXISTING SURFACE SHALL BE PREPARED IN ACCORDANCE WITH SECTION 408 OF THE STANDARD SPECIFICATIONS.
2. ANY NECESSARY WORK BEHIND THE HMA SHOULDER OR THE INCIDENTAL HMA SURFACING SHALL BE AS SHOWN IN THE PLANS AND/OR AS DIRECTED BY THE ENGINEER.
3. EXISTING FIELD ENTRANCES OF AGGREGATE OR EARTH WITH NO HMA APRON SHALL NOT RECEIVE A NEW HMA APRON WITHOUT PROPER APPROVAL THROUGH THE BUREAU OF OPERATIONS "POLICY ON PERMITS FOR ACCESS DRIVEWAYS TO STATE HIGHWAYS".
4. TO ASSURE APPROPRIATE ACCESS POLICIES ARE FOLLOWED ALL NEW ACCESS SHALL BE APPLIED FOR THROUGH THE BUREAU OF OPERATIONS PERMIT APPLICATION PROCESS. PLAN PREPARATION MEMORANDUMS 40-09 AND 40-11 ALONG WITH DISTRICT CONSTRUCTION MEMORANDUM 03/14 DISCUSS THIS PROCEDURE.
5. PROPOSED SIDEROAD GRADES SHALL BE AS DIRECTED BY THE ENGINEER.
6. AGGREGATE WEDGE SHOULDERS, TYPE B WILL BE WRAPPED AROUND THE SIDEROAD RETURNS. TAPER WIDTH FROM 3' ALONG MAINLINE TO 2' AT BACK OF RETURN.

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et:\pw\work\p\dot\dawsonkb\0327346\0570A08-sh-t-details.dgn		DRAWN -	REVISED -
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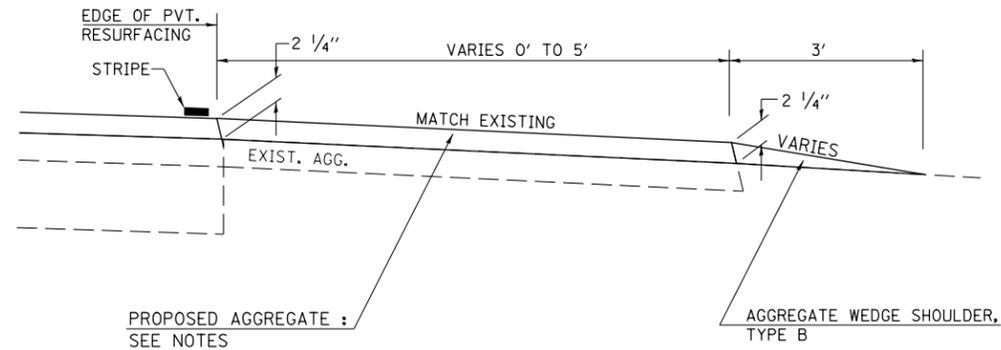
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

BUTT JOINT DETAILS

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
522	(41-15)DRS	Champaign	11	10
CONTRACT NO. 70A08				
ILLINOIS FED. AID PROJECT				

MAILBOX TURNOUTS



STATION
398+84.00 LT

NOTES: THE INTENT IS TO RESURFACE THE EXISTING CONFIGURATION OF THE MAIL BOX TURNOUTS.

WHERE AN AGGREGATE SURFACE IS TO BE PLACED, USE THE AGGREGATE WEDGE SHOULDER, TYPE B MATERIAL.

FILE NAME =	USER NAME = dawsonkb	DESIGNED -	REVISED -
ct:\pw\work\p\dot\dawsonkb\0327346\0570A08-shd-details.dgn		DRAWN -	REVISED -
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	PLOT DATE = 1/31/2013	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

MAILBOX TURNOUT DETAILS

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
522	(41-15D)RS	Champaign	11	11
ILLINOIS FED. AID PROJECT			CONTRACT NO. 70A08	