

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

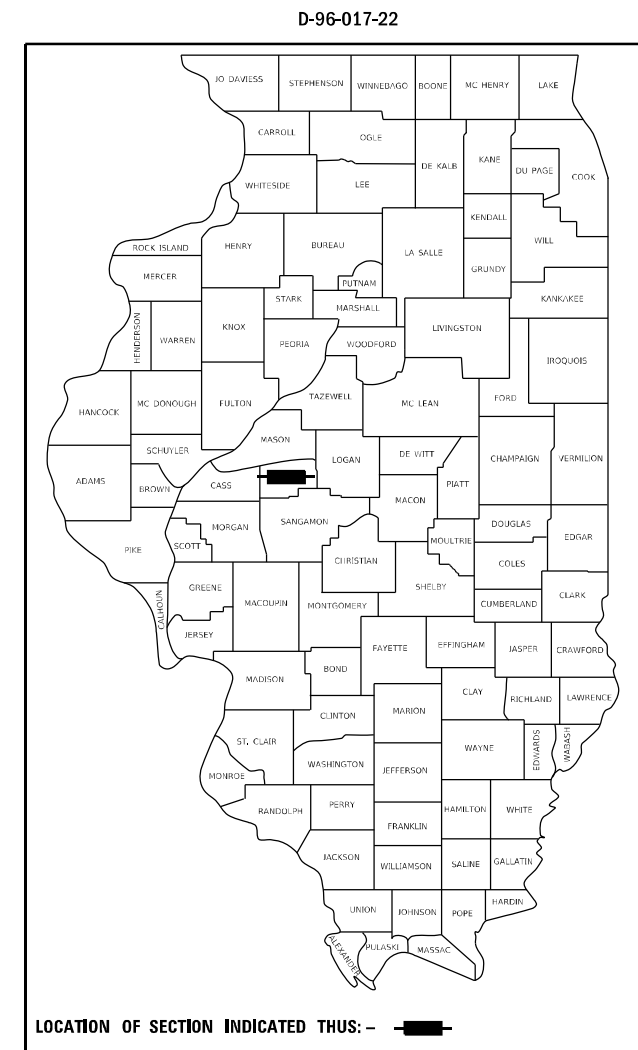
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
737	(1B-1)BDR	MENARD	10	1
		ILLINOIS	CONTRACT NO. 72N40	

FOR INDEX OF SHEETS, SEE SHEET NO. 2

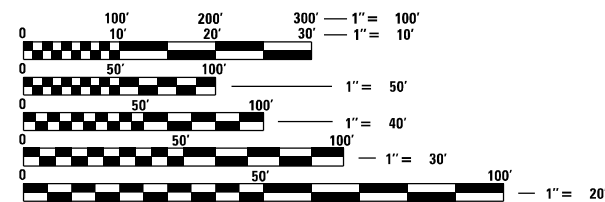
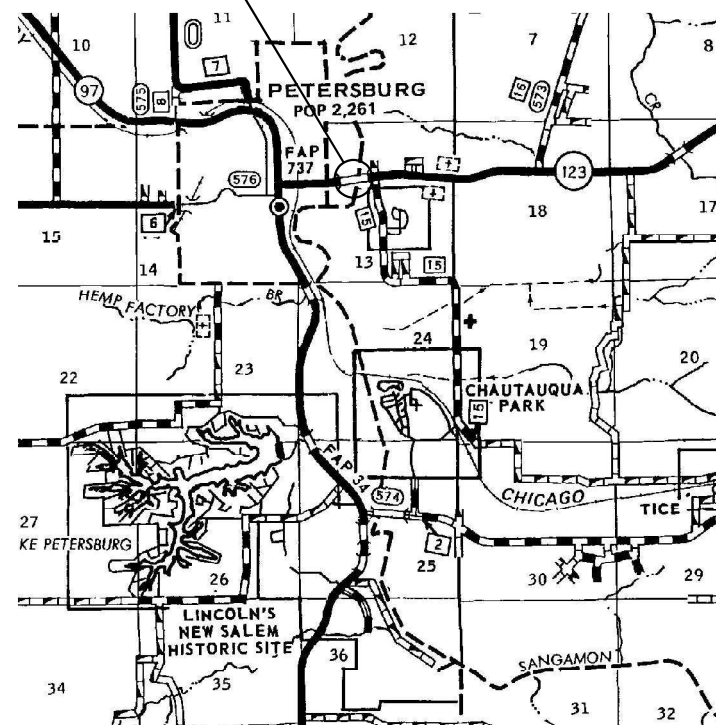
PROPOSED CONTRACT MAINTENANCE

FAP ROUTE 737 (IL 123)
SECTION (1B-1)BDR
PROJECT (STATE)
BRIDGE DECK REPAIRS
MENARD COUNTY

C-96-021-22



PROJECT LOCATION
SN 065-0016
IL 123 OVER
SANGAMON RIVER
E EDGE OF PETERSBURG



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 EXCAVATORS
1-800-892-0123
OR 811

BRIDGE MAINTENANCE ENGINEER: BRANDON DUDLEY - (217) 785-9290

GROSS LENGTH = 921 FT. = 0.17 MILE
NET LENGTH = 921 FT. = 0.17 MILE

CONTRACT NO. 72N40

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUBMITTED March 24 20 22

[Signature] REGIONAL ENGINEER

May 13, 2022 *[Signature]*
ENGINEER OF DESIGN AND ENVIRONMENT

May 13, 2022 *[Signature]*
DIRECTOR OF HIGHWAYS PROJECT IMPLEMENTATION

PRINTED BY THE AUTHORITY
OF THE STATE OF ILLINOIS

0-02177-6001
SN 065-0016
100% STATE

0-02177-6001
SN 065-0016
100% STATE

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	BRIDGE/RURAL
				0047 MENARD
50300300	PROTECTIVE COAT	SQ YD	307	307
67100100	MOBILIZATION	L SUM	1	1
70100405	TRAFFIC CONTROL AND PROTECTION, STANDARD 701321	EACH	1	1
70100450	TRAFFIC CONTROL AND PROTECTION, STANDARD 701201	L SUM	1	1
70106500	TEMPORARY BRIDGE TRAFFIC SIGNALS	EACH	1	1
70107025	CHANGEABLE MESSAGE SIGN	CAL DAY	120	120
70400100	TEMPORARY CONCRETE BARRIER	FOOT	1150	1150
70400200	RELOCATE TEMPORARY CONCRETE BARRIER	FOOT	1138	1138
70600250	IMPACT ATTENUATORS, TEMPORARY (NON-REDIRECTIVE, NARROW), TEST LEVEL 3	EACH	2	2
70600352	IMPACT ATTENUATORS, RELOCATE (NON-REDIRECTIVE, NARROW), TEST LEVEL 3	EACH	2	2
78001120	PAINT PAVEMENT MARKING - LINE 5"	FOOT	6300	6300
78300202	PAVEMENT MARKING REMOVAL - WATER BLASTING	SQ FT	1500	1500
X7200201	WIDTH RESTRICTION SIGNING	L SUM	1	1
Z0001800	APPROACH SLAB REPAIR (PARTIAL DEPTH)	SQ YD	10	10

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	BRIDGE/RURAL
				0047 MENARD
Z0016200	DECK SLAB REPAIR (PARTIAL)	SQ YD	297	297
Z0032500	JOINT SEALING (PATCHES)	FOOT	4400	4400

MODEL: Default
FILE NAME: S:\Addresses\Bridges\72N40 - 0650016 deck restriping\plan sheet.dgn

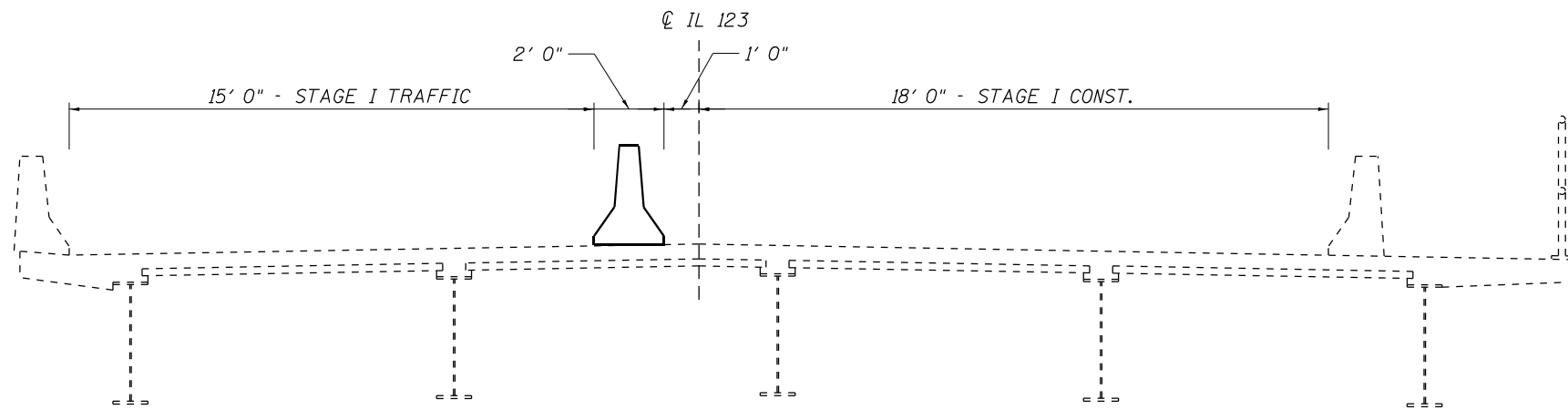
USER NAME = dudleybm	DESIGNED -	REVISED -
PLOT SCALE = 100,0000 ' / in.	DRAWN -	REVISED -
PLOT DATE = 3/21/2022	CHECKED -	REVISED -
	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

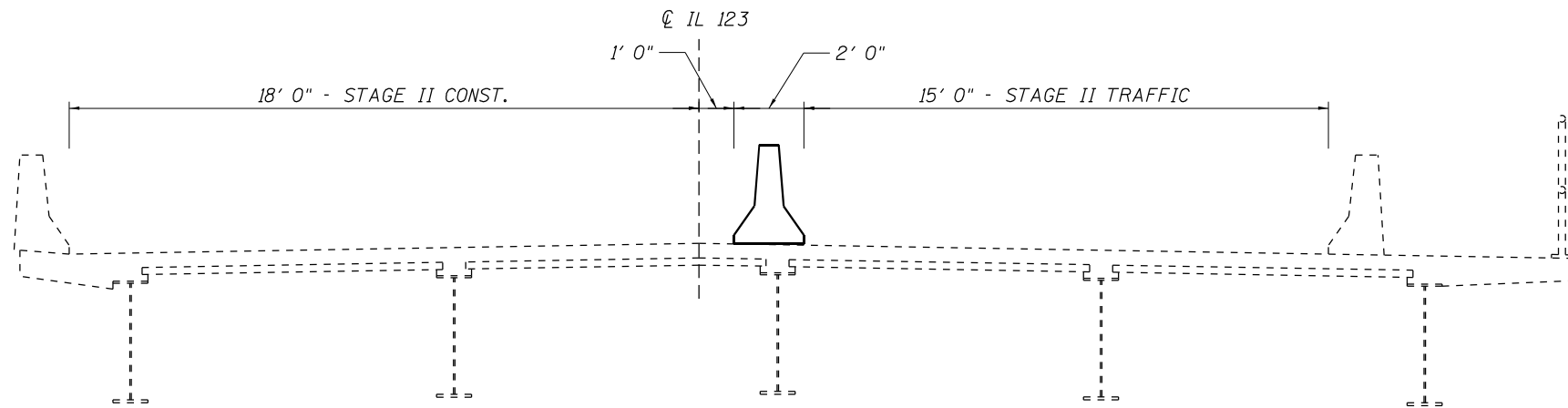
SUMMARY OF QUANTITIES

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
737	(1B-1)BDR	MENARD	10	3
CONTRACT NO. 72N40			ILLINOIS FED. AID PROJECT	



STAGE I TRAFFIC - LOOKING EAST



STAGE II TRAFFIC - LOOKING EAST

MODEL: Default
 FILE NAME: S:\Addresses\Bridges\p1ans_CAD\72N40 - 06530016 deck_traffic\stage1sheet.dgn

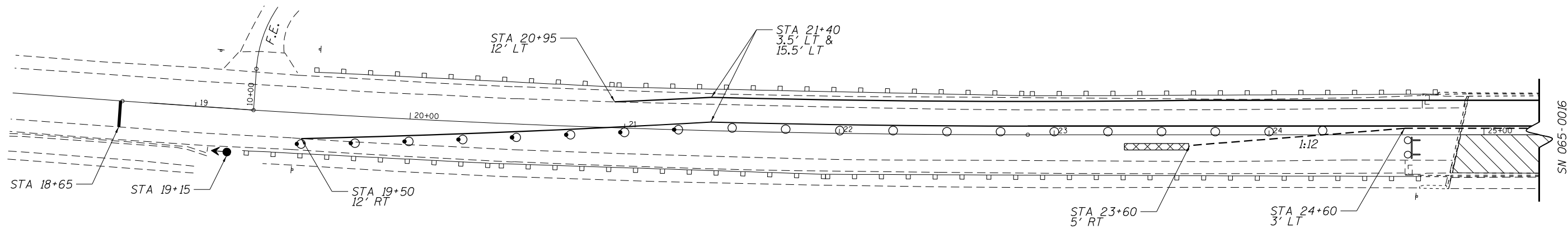
USER NAME = dudleybm	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 100,0000' / in.	CHECKED -	REVISED -
PLOT DATE = 3/21/2022	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

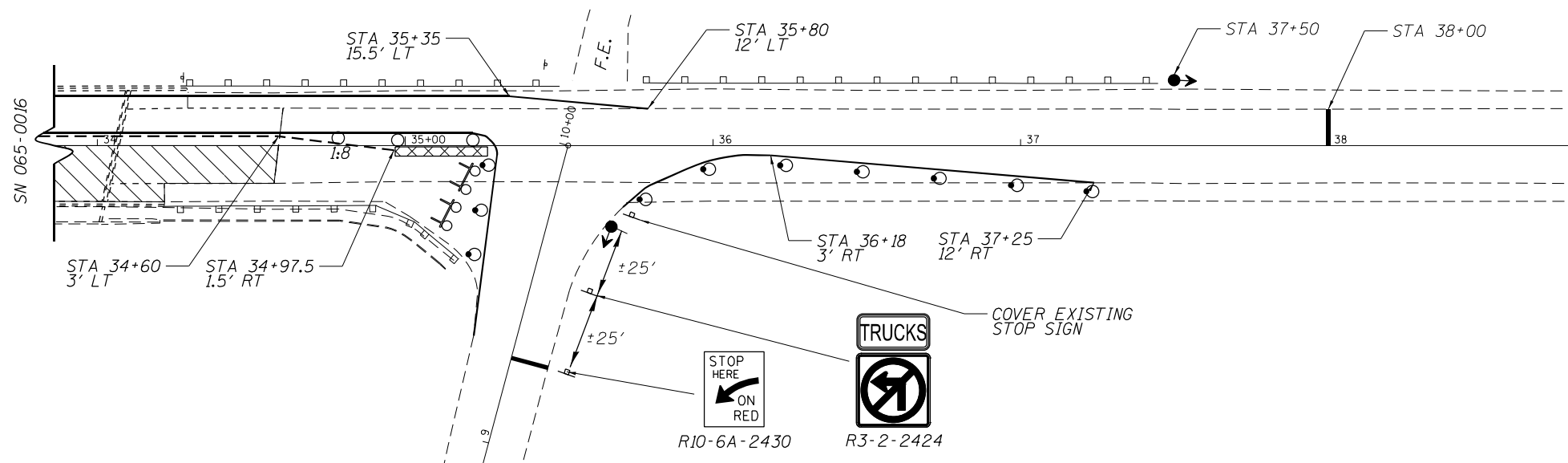
TRAFFIC STAGING DETAIL

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE. 737	SECTION (1B-1)BDR	COUNTY MENARD	TOTAL SHEETS 10	SHEET NO. 4
CONTRACT NO. 72N40			ILLINOIS FED. AID PROJECT	

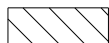




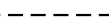



STAGE I TRAFFIC CONTROL - PARTIAL PLAN



STAGE I TRAFFIC CONTROL - PARTIAL PLAN

SYMBOLS

-  WORK AREA
-  DRUM WITH STEADY BURN BI-DIRECTIONAL LIGHT
-  DRUM
-  TRAFFIC SIGNAL
-  TYPE III BARRICADE WITH FLASHING LIGHTS
-  TEMPORARY CONCRETE BARRIER
-  IMPACT ATTENUATOR

TRAFFIC CONTROL NOTES:

1. TRAFFIC CONTROL DEVICES NOT SHOWN IN THIS DETAIL SHALL BE PER STANDARD 701321. DEVICES AND TEMPORARY PAVEMENT MARKINGS SHOWN IN THIS DETAIL SHALL BE INCLUDED IN THE COST OF TRAFFIC CONTROL AND PROTECTION, STANDARD 701321. IMPACT ATTENUATORS, TEMPORARY RUMBLE STRIPS, TEMPORARY CONCRETE BARRIER, AND TEMPORARY TRAFFIC SIGNALS SHALL BE PAID SEPARATELY.
2. TEMPORARY CONCRETE BARRIER OFFSETS GIVEN IN THIS DETAIL REFER TO THE EDGE OF THE BARRIER NEAREST TO LIVE TRAFFIC.

MODEL: Default
 FILE NAME: S:\Addresses\Bridges\BDR_CAD\72N40_0650016.dwg
 USER: dduffy
 PLOT DATE: 3/21/2022

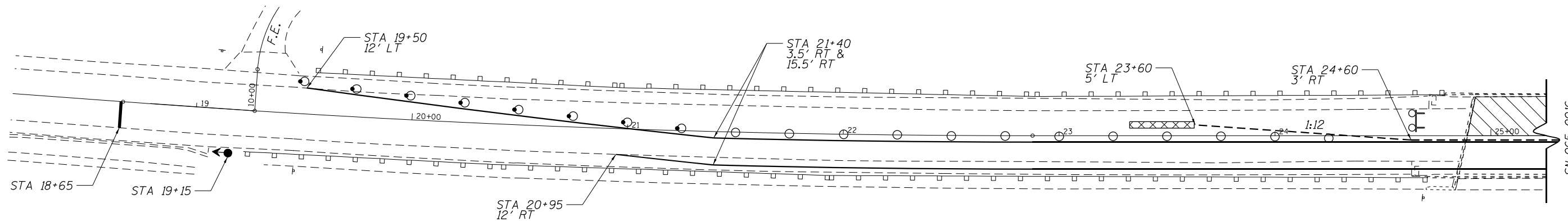
USER NAME = dduffy	DESIGNED -	REVISED -
PLOT SCALE = 100,0000' / in.	DRAWN -	REVISED -
PLOT DATE = 3/21/2022	CHECKED -	REVISED -
	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

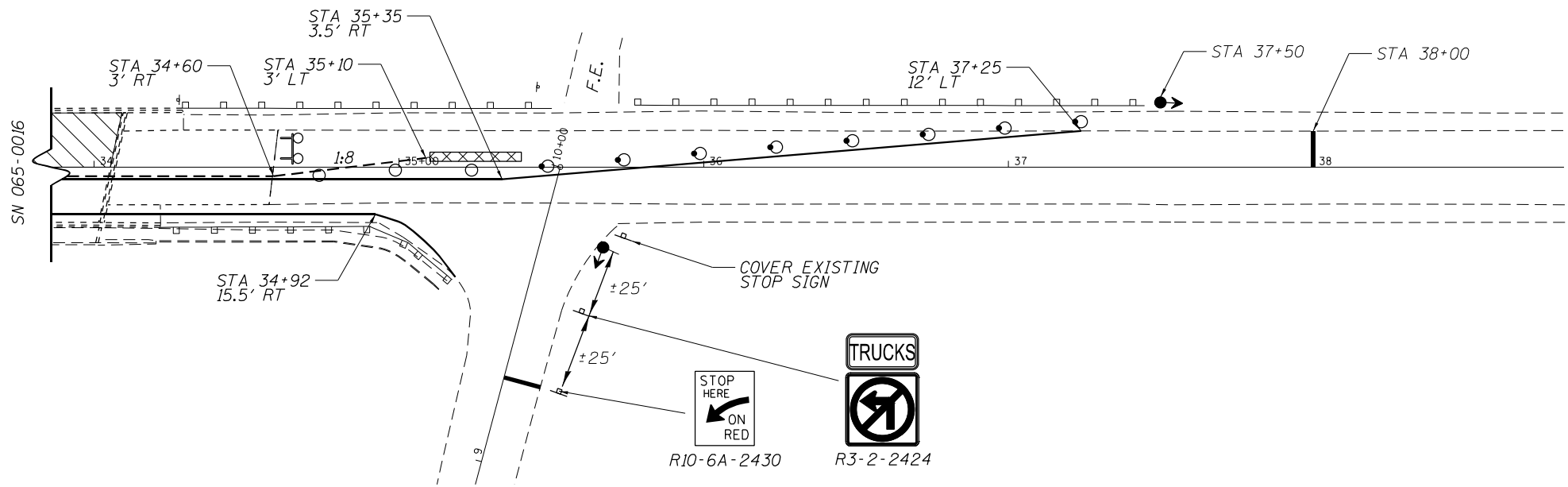
STAGE I TRAFFIC CONTROL PLAN

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
737	(1B-1)BDR	MENARD	10	5
CONTRACT NO. 72N40			ILLINOIS FED. AID PROJECT	

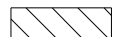




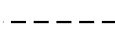



STAGE II TRAFFIC CONTROL - PARTIAL PLAN



STAGE II TRAFFIC CONTROL - PARTIAL PLAN

SYMBOLS

-  WORK AREA
-  DRUM WITH STEADY BURN BI-DIRECTIONAL LIGHT
-  DRUM
-  TRAFFIC SIGNAL
-  TYPE III BARRICADE WITH FLASHING LIGHTS
-  TEMPORARY CONCRETE BARRIER
-  IMPACT ATTENUATOR

TRAFFIC CONTROL NOTES:

1. TRAFFIC CONTROL DEVICES NOT SHOWN IN THIS DETAIL SHALL BE PER STANDARD 701321. DEVICES AND TEMPORARY PAVEMENT MARKINGS SHOWN IN THIS DETAIL SHALL BE INCLUDED IN THE COST OF TRAFFIC CONTROL AND PROTECTION, STANDARD 701321. IMPACT ATTENUATORS, TEMPORARY RUMBLE STRIPS, TEMPORARY CONCRETE BARRIER, AND TEMPORARY TRAFFIC SIGNALS SHALL BE PAID SEPARATELY.
2. TEMPORARY CONCRETE BARRIER OFFSETS GIVEN IN THIS DETAIL REFER TO THE EDGE OF THE BARRIER NEAREST TO LIVE TRAFFIC.

MODEL: D:\p\h\...
 FILE NAME: S:\Addresses\Bridges\BDR_CAD\72N40_0650016.dwg
 USER: dduleym

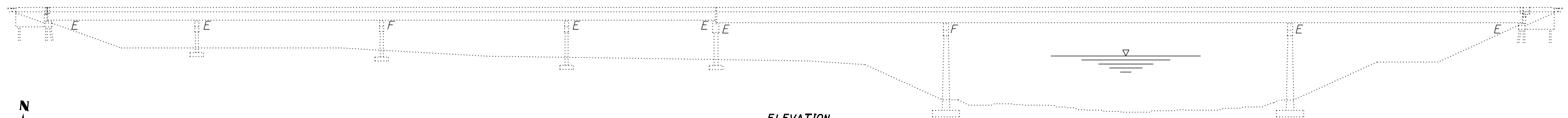
USER NAME = dduleym	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 100,0000' / in.	CHECKED -	REVISED -
PLOT DATE = 3/21/2022	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

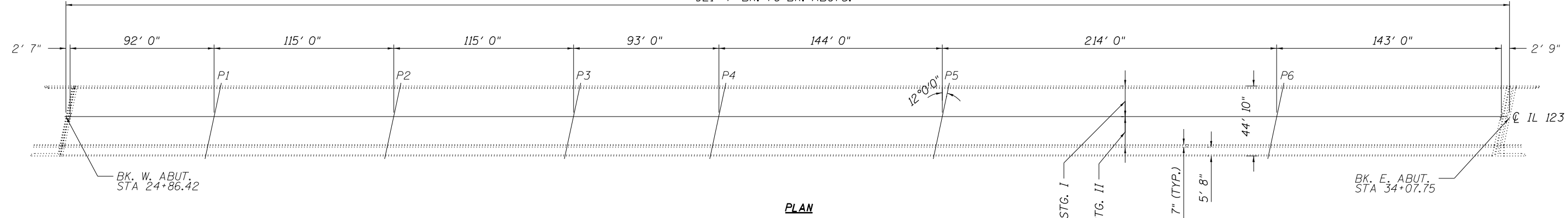
STAGE II TRAFFIC CONTROL PLAN

SCALE: SHEET OF SHEETS STA. TO STA.

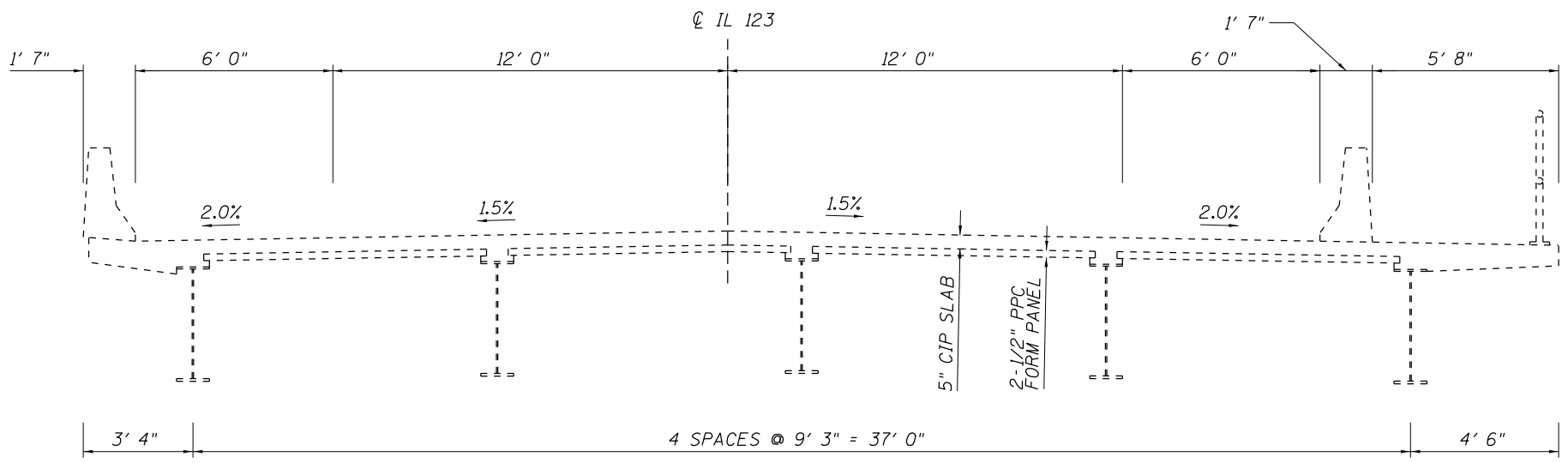
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
737	(1B-1)BDR	MENARD	10	6
CONTRACT NO. 72N40			ILLINOIS FED. AID PROJECT	



921' 4" BK. TO BK. ABUTS.



PLAN



CROSS SECTION - LOOKING EAST

STRUCTURE GENERAL NOTES:

PRIOR TO POURING THE NEW CONCRETE PATCHES, ALL HEAVY OR LOOSE MILL SCALE AND OTHER LOOSE OR POTENTIALLY DETRIMENTAL FOREIGN MATERIAL SHALL BE REMOVED FROM THE SURFACES IN CONTACT WITH CONCRETE. TIGHTLY ADHERED PAINT MAY REMAIN UNLESS OTHERWISE NOTED. REMOVAL SHALL BE ACCOMPLISHED BY METHODS THAT WILL NOT DAMAGE THE STEEL AND THE COST WILL BE INCLUDED IN CONCRETE REMOVAL.

PLAN DIMENSIONS AND DETAILS RELATIVE TO EXISTING PLANS ARE SUBJECT TO NOMINAL CONSTRUCTION VARIATIONS. THE CONTRACTOR SHALL FIELD VERIFY EXISTING DIMENSIONS AND DETAILS AFFECTING NEW CONSTRUCTION AND MAKE NECESSARY APPROVED ADJUSTMENTS PRIOR TO CONSTRUCTION OR ORDERING OF MATERIALS. SUCH VARIATIONS SHALL NOT BE CAUSE FOR ADDITIONAL COMPENSATION FOR A CHANGE IN THE SCOPE OF WORK, HOWEVER, THE CONTRACTOR WILL BE PAID FOR THE QUANTITY ACTUALLY FURNISHED AT THE UNIT PRICE BID FOR THE WORK.

EXISTING REINFORCEMENT BARS EXTENDING INTO THE REMOVAL AREA SHALL BE CLEANED, STRAIGHTENED, AND INCORPORATED INTO THE NEW CONSTRUCTION. ANY REINFORCEMENT BARS THAT ARE DAMAGED DURING CONCRETE REMOVAL SHALL BE REPLACED WITH AN APPROVED BAR SPLICER OR ANCHORAGE SYSTEM. COST INCLUDED WITH CONCRETE REMOVAL.

THE CONTRACTOR MUST EXERCISE EXTREME CARE DURING DECK REPAIR OPERATIONS AS NOT TO DAMAGE THE EXISTING PRECAST PANELS. DAMAGED PANELS CANNOT BE REPAIRED AND MUST BE REPLACED WITH A FULL DEPTH CAST-IN-PLACE CONCRETE SECTION OF THE SAME WIDTH AS THE DAMAGED PANEL. DETAILS SIMILAR TO THOSE ON THIS SHEET WILL BE REQUIRED TO ENSURE CONTINUITY OF THE CONCRETE DECK SECTION. ANY REPAIRS NEEDED TO REPLACE THE DAMAGED DECK PANELS WILL BE DONE TO THE SATISFACTION OF THE ENGINEER AND AT THE CONTRACTOR'S EXPENSE.



Expires 11/30/2022

Jayme F. Schiff

TOTAL BILL OF MATERIAL (065-0016)

ITEM	UNIT	QUANTITY
Deck Slab Repair (Partial)	Sq. Yd.	297
Approach Slab Repair (Partial Depth)	Sq. Yd.	10
Joint Sealing (Patches)	Foot	4400
Protective Coat	Sq. Yd.	307

MODEL: D:\dtd\11... FILE NAME: S:\bids\Bridges\065-0016\sect..._0650016 sect...dtd\plan\plan sheet.dgn

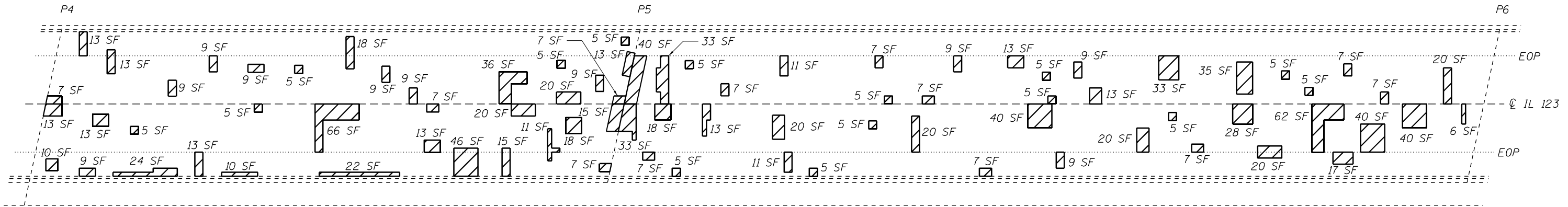
USER NAME = dudleybm	DESIGNED - BRANDON DUDLEY	REVISED -
	DRAWN - BRANDON DUDLEY	REVISED -
PLOT SCALE = 100,0000' / in.	CHECKED -	REVISED -
PLOT DATE = 3/21/2022	DATE - 2/17/2022	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

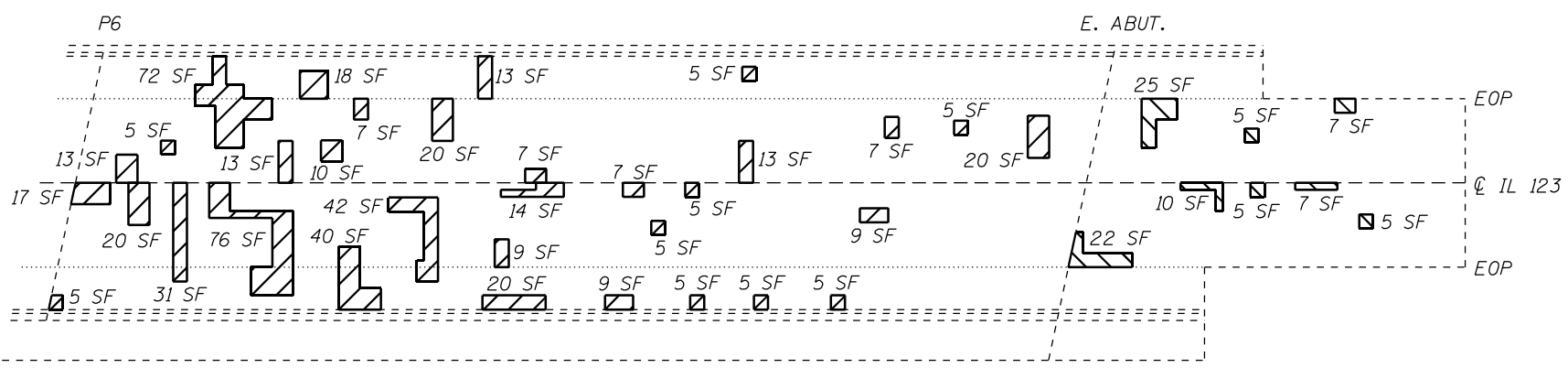
BRIDGE PLAN & ELEVATION
SN 065-0016

SCALE: SHEET 1 OF 4 SHEETS STA. TO STA.

F.A.P. RTE. 737	SECTION (1B-1)BDR	COUNTY MENARD	TOTAL SHEETS 10	SHEET NO. 7
CONTRACT NO. 72N40			ILLINOIS FED. AID PROJECT	



PARTIAL PLAN



PARTIAL PLAN

NOTES:

IDENTIFIED PATCHING LOCATIONS ARE ESTIMATED FROM A DECK SURVEY PERFORMED ON 1/14/2021. THE PATCHING SURVEY IS INCLUDED FOR INFORMATION ONLY. THE ENGINEER SHALL LAY OUT ACTUAL PATCH LOCATIONS IN THE FIELD.

THE ENGINEER SHALL SHOW ACTUAL LOCATIONS OF DECK REPAIRS ON AS-BUILT PLANS.

JOINT SEALING (PATCHES) SHALL BE APPLIED IN LOCATIONS AS DIRECTED IN THE SPECIAL PROVISIONS, ALONG THE ENTIRE LENGTH OF THE EXISTING STAGE CONSTRUCTION LINE, AND ALONG EXISTING TRANSVERSE CONSTRUCTION JOINTS.

- APPROACH SLAB REPAIR (PARTIAL DEPTH)
- DECK SLAB REPAIR (PARTIAL)

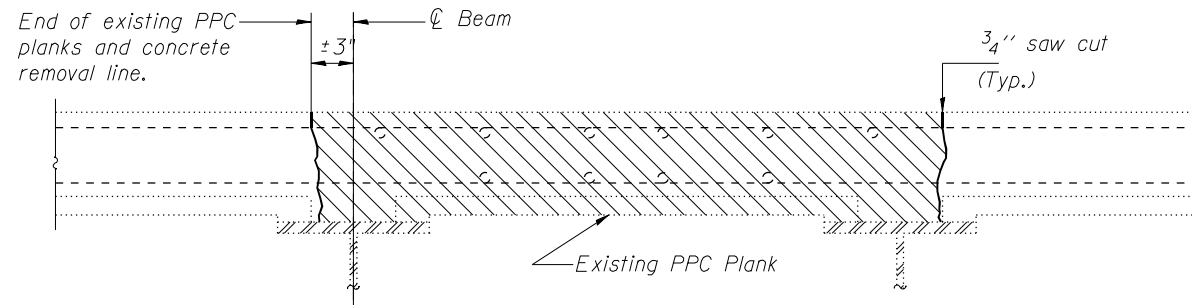
MODEL: Default
FILE NAME: S:\Addresses\Bridges\BDR_0650016_deck_patching\plan\sheet.dgn

USER NAME = dudleybm	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 100,0000' / in.	CHECKED -	REVISED -
PLOT DATE = 3/21/2022	DATE -	REVISED -

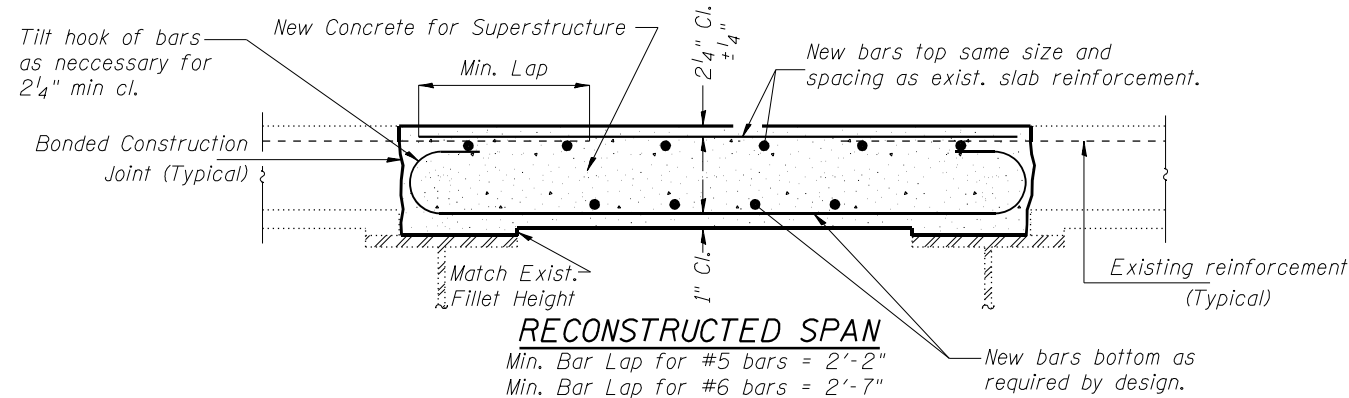
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SLAB REPAIR DETAIL SN 065-0016			
SCALE:	SHEET 3	OF 4 SHEETS	STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
737	(1B-1)BDR	MENARD	10	9
CONTRACT NO. 72N40			ILLINOIS FED. AID PROJECT	



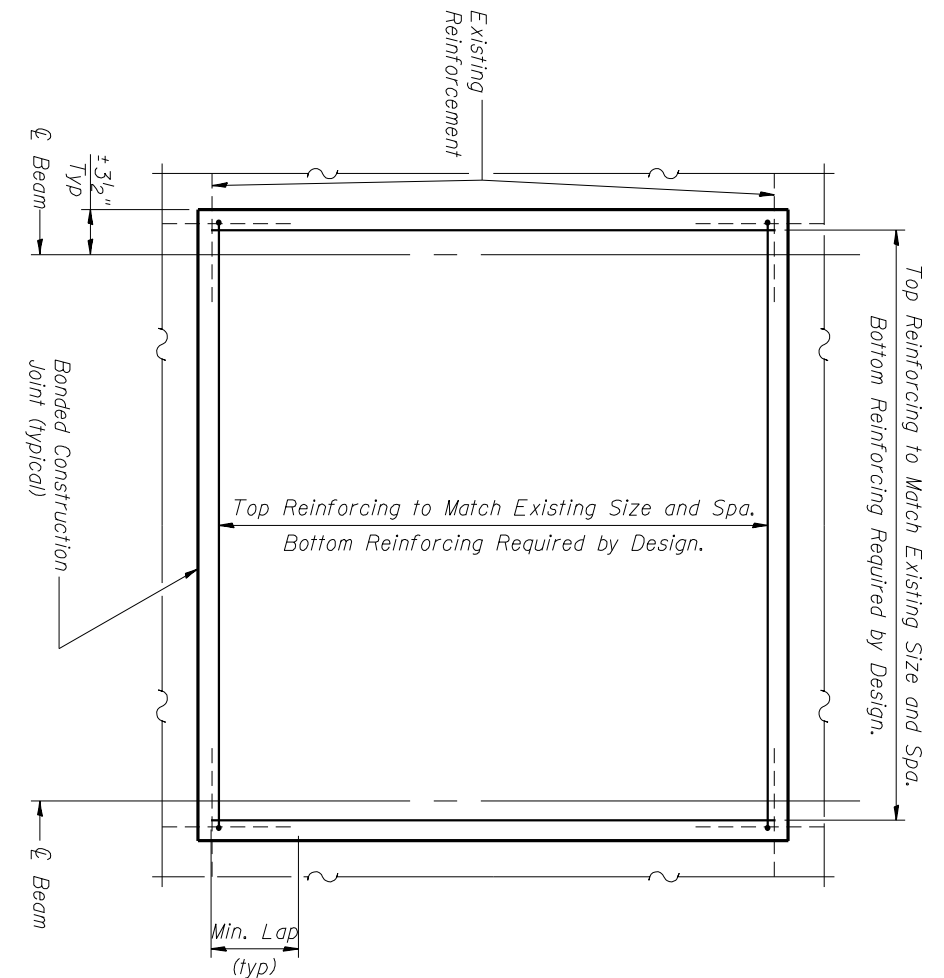
EXISTING PPC PLANK REMOVAL CROSS SECTION



Note: Hatched areas indicate concrete sections to be removed. Perimeters of Concrete Removal areas shall be saw cut 3/4" prior to the removal of the concrete. Existing transverse reinforcement shall be cleaned straightened and incorporated into the new construction as required to provide min. lap. New reinforcement bars shall be epoxy coated.

Use extreme care during concrete removal to avoid damaging the adjacent existing PPC Planks.

FULL DEPTH REPAIR CROSS SECTION



FULL DEPTH REPAIR PLAN

NOTES:

NO FULL DEPTH REPAIRS ARE PLANNED. THE DETAILS ON THIS SHEET ARE FOR INFORMATION ONLY.

THE CONTRACTOR MUST EXERCISE EXTREME CARE DURING DECK REPAIR OPERATIONS AS NOT TO DAMAGE THE EXISTING PRECAST PANELS. DAMAGED PANELS CANNOT BE REPAIRED AND MUST BE REPLACED WITH A FULL DEPTH CAST-IN-PLACE CONCRETE SECTION OF THE SAME WIDTH AS THE DAMAGED PANEL. DETAILS SIMILAR TO THOSE ON THIS SHEET WILL BE REQUIRED TO ENSURE CONTINUITY OF THE CONCRETE DECK SECTION. ANY REPAIRS NEEDED TO REPLACE THE DAMAGED DECK PANELS WILL BE DONE TO THE SATISFACTION OF THE ENGINEER AND AT THE CONTRACTOR'S EXPENSE.

IN THE EVENT THAT PRECAST PANELS ARE DAMAGED, THE BUREAU OF BRIDGES AND STRUCTURES WILL PROVIDE REPAIR DETAILS SPECIFIC TO THIS STRUCTURE.

MODEL: Default
FILE NAME: S:\Addresses\Bridges\bars_CAD\72N40 - 0650016 deck_repair\info\sheet.dgn

USER NAME = dudleybm	DESIGNED -	REVISED -
PLOT SCALE = 100,0000' / in.	DRAWN -	REVISED -
PLOT DATE = 3/21/2022	CHECKED -	REVISED -
	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**FULL DEPTH REPAIR DETAIL
(FOR INFORMATION ONLY)**

SCALE: SHEET 4 OF 4 SHEETS STA. TO STA.

F.A.P. RTE. 737	SECTION (1B-1)BDR	COUNTY MENARD	TOTAL SHEETS 10	SHEET NO. 10
CONTRACT NO. 72N40			ILLINOIS FED. AID PROJECT	