

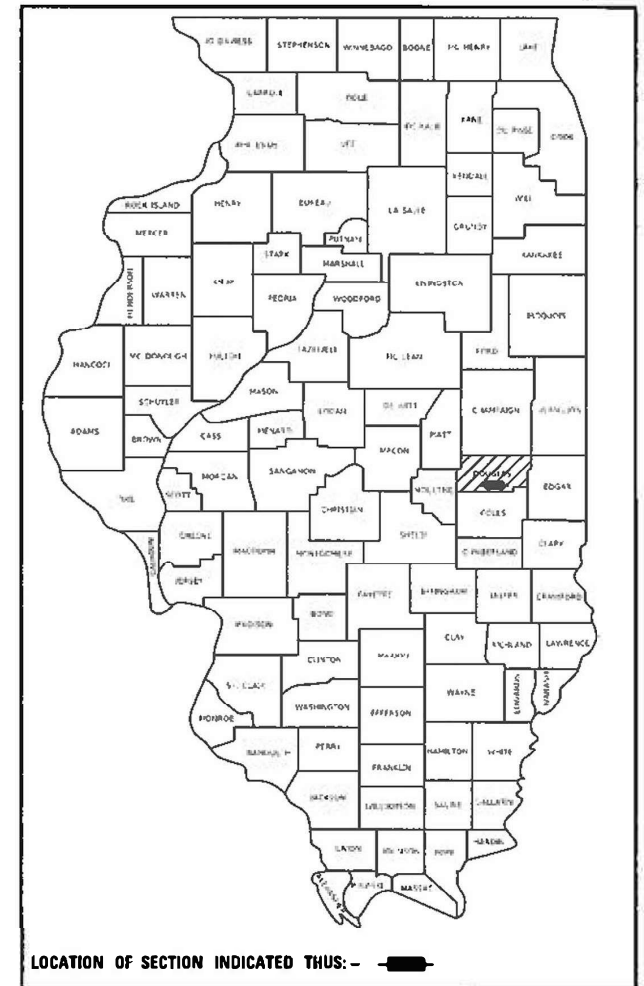
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

F.A.P. R.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
749	121BDR	DOUGLAS	62	1
		ILLINOIS	CONTRACT NO. 70D96	

# PROPOSED HIGHWAY PLANS

FOR INDEX OF SHEETS, SEE SHEET NO. 2

D-95-040-19



LOCATION OF SECTION INDICATED THUS: - [shaded box] -

CURRENT TRAFFIC DATA STR. 021-0026, 0053, 0055	
2017 ADT =	2,050
2027 ADT =	2,150
PU+PC % =	83.4
SU % =	6.8
MU% =	9.8

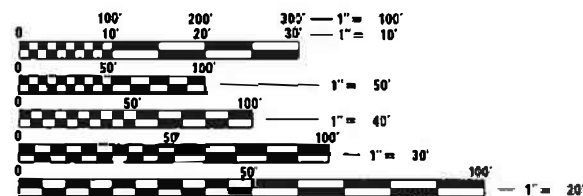
CURRENT TRAFFIC DATA STR. 021-0054, 0056, 2020	
2017 ADT =	1,900
2027 ADT =	2,000
PU+PC % =	85.2
SU % =	5.3
MU% =	9.5

**DESIGN DESIGNATION**  
MINOR ARTERIAL

**DESIGN DESIGNATION**  
MINOR ARTERIAL

FAP ROUTE 749 (IL-133)  
SECTION 121BDR  
PROJECT STP-HI22(885)  
BRIDGE DECK OVERLAY  
VARIOUS LOCATIONS BETWEEN  
ARCOLA AND HINDSBORO  
DOUGLAS COUNTY

C-95-045-19



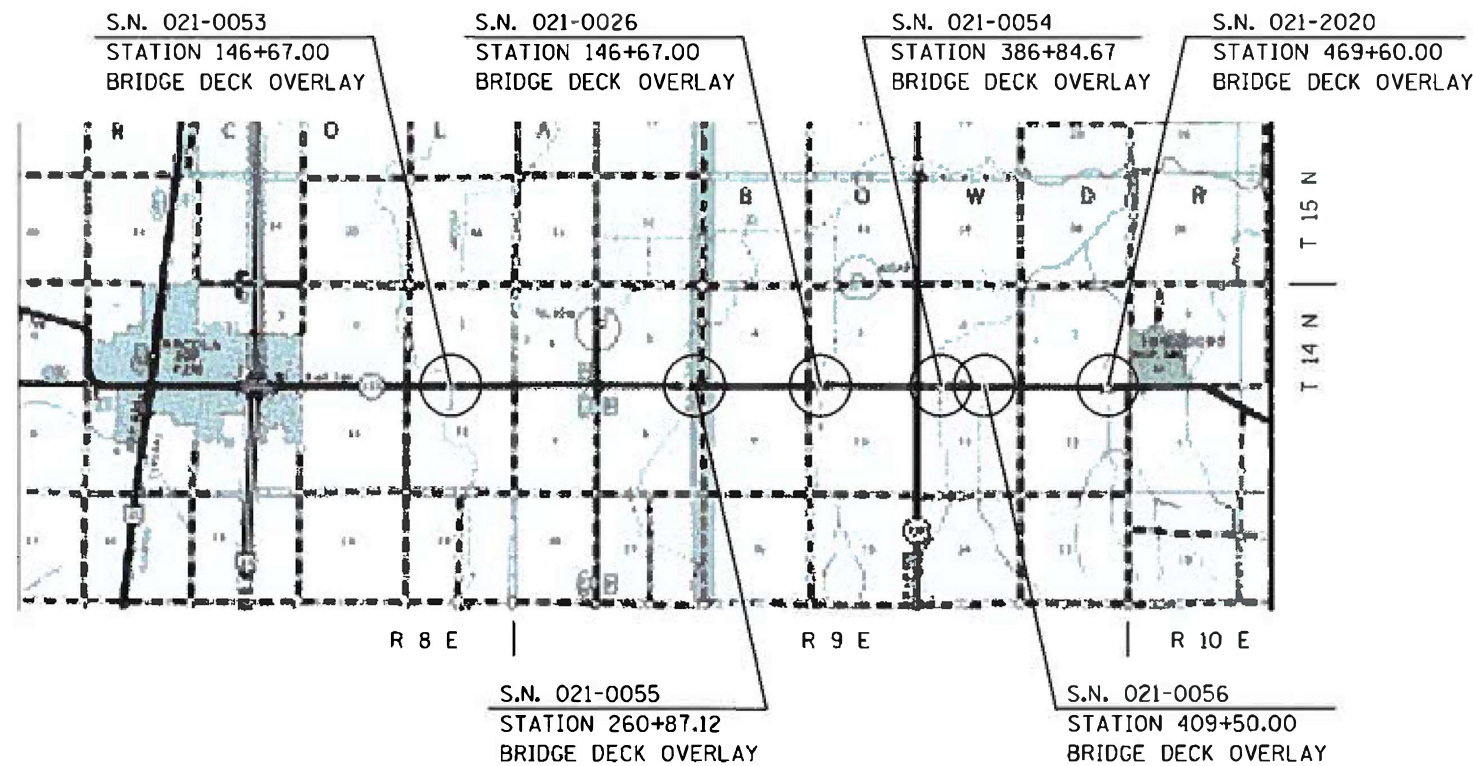
FULL SIZE PLANS HAVE BEEN PREPARED USING STANDARD ENGINEERING SCALES. REDUCED SIZED PLANS WILL NOT CONFORM TO STANDARD SCALES. IN MAKING MEASUREMENTS ON REDUCED PLANS, THE ABOVE SCALES MAY BE USED.

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

TOWNSHIP: ARCOLA, BOWDRE

PROJECT ENGINEER: TIM BRANDENBURG  
PROJECT MANAGER: ERIC SHAWLER  
1-217-466-7102

CONTRACT NO. 70D96



GROSS LENGTH = x.xx FT. = x.xxx MILE  
NET LENGTH = x.xx FT. = x.xxx MILE

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

SUBMITTED 9/30 2020  
*Kenneth A. Bennett* swr  
REGIONAL ENGINEER

December 4, 2020  
*Scott A. Etk*  
ENGINEER OF DESIGN AND ENVIRONMENT

December 4, 2020  
*James J. ...*  
DIRECTOR OF HIGHWAYS PROJECT IMPLEMENTATION

PRINTED BY THE AUTHORITY  
OF THE STATE OF ILLINOIS



DOUGLAS CO.  
 FAP 749 IL-133  
 RURAL / TWO-LANE  
 BRIDGE  
 80% FED / 20% STATE  
 0059

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	STATION 146+67.00 S.N. 021-0053 QUANTITY	STATION 260+89.00 S.N. 021-0055 QUANTITY	STATION 323+42.00 S.N. 021-0026 QUANTITY	STATION 386+83.00 S.N. 021-0054 QUANTITY	STATION 409+50.00 S.N. 021-0056 QUANTITY	STATION 469+60.00 S.N. 021-2020 QUANTITY
20200100	EARTH EXCAVATION	CU YD	105.0	15.0	19.0	26.0	45.0	0.0	0.0
40600290	BITUMINOUS MATERIALS (TACK COAT)	POUND	1,620.0	238.0	210.0	349.0	304.0	277.0	242.0
40604050	HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "C", N50	TON	340.0	49.0	50.0	70.0	50.0	64.0	57.0
44000156	HOT-MIX ASPHALT SURFACE REMOVAL, 1 3/4"	SQ YD	1,057.0	124.0	111.0	185.0	0.0	357.0	280.0
48203100	HOT-MIX ASPHALT SHOULDERS	TON	164.0	25.0	29.0	41.0	69.0	0.0	0.0
50102400	CONCRETE REMOVAL	CU YD	1.5	0.3	0.3	0.2	0.3	0.2	0.2
50300100	FLOOR DRAINS	EACH	12.0	0.0	6.0	0.0	6.0	0.0	0.0
50300255	CONCRETE SUPERSTRUCTURE	CU YD	7.2	1.40	1.40	0.8	0.9	1.2	1.5
50300300	PROTECTIVE COAT	SQ YD	1,812.0	355.0	344.0	292.0	296.0	256.0	269.0
50800205	REINFORCEMENT BARS, EPOXY COATED	POUND	830.0	170.0	170.0	85.0	120.0	125.0	160.0
* 50900200	STEEL RAILING, TYPE 2399	FOOT	159.0	0.0	0.0	48.0	0.0	63.0	48.0
* 63000001	STEEL PLATE BEAM GUARDRAIL, TYPE A, 6 FOOT POSTS	FOOT	987.5	275.0	137.5	125.0	100.0	150.0	200.0
* 63100045	TRAFFIC BARRIER TERMINAL, TYPE 2	EACH	2.0	0.0	1.0	0.0	1.0	0.0	0.0
* 63100085	TRAFFIC BARRIER TERMINAL, TYPE 6	EACH	12.0	4.0	4.0	0.0	4.0	0.0	0.0

\* SPECIALTY ITEM

MODEL: \\MODEL\MHFS  
 FILE: \\MAILS\_P\pub\mcomad\at\links\gov\PI\DOT\Documents\DOT\_Offices\District 5\Projects\0570D96\CADD\DATA\CAD\Sheet\0570D96\_Sht\_005.dgn

USER NAME = shawleres	DESIGNED -	REVISED -	
	DRAWN -	REVISED -	
PLOT SCALE = 40,0000 ' / in.	CHECKED -	REVISED -	
PLOT DATE = 9/16/2020	DATE -	REVISED -	

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**SUMMARY OF QUANTITIES  
 SN. 021-0053, 0055, 0026, 0054, 0056,**

SCALE: SHEET 1 OF 3 SHEETS STA. TO STA.

F.A.P. RTE. 749	SECTION 121BDR	COUNTY DOUGLAS	TOTAL SHEETS 62	SHEET NO. 3
CONTRACT NO. 70D96			ILLINOIS FED. AID PROJECT	

DOUGLAS CO.  
 FAP 749 IL-133  
 RURAL / TWO-LANE  
 BRIDGE  
 80% FED / 20% STATE  
 0059

STATION	STATION	STATION	STATION	STATION	STATION
146+67.00	260+89.00	323+42.00	386+83.00	409+50.00	469+60.00

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	S.N. 021-0053 QUANTITY	S.N. 021-0055 QUANTITY	S.N. 021-0026 QUANTITY	S.N. 021-0054 QUANTITY	S.N. 021-0056 QUANTITY	S.N. 021-2020 QUANTITY
* 63100087	TRAFFIC BARRIER TERMINAL, TYPE 6A	EACH	12.0	0.0	0.0	4.0	0.0	4.0	4.0
* 63100167	TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) TANGENT	EACH	22.0	4.0	3.0	4.0	3.0	4.0	4.0
63200310	GUARDRAIL REMOVAL	FOOT	3427.5	825.0	597.0	585.0	476.5	377.0	567.0
67000500	ENGINEER'S FIELD OFFICE, TYPE B	CAL MO	6.0	1.0	1.0	1.0	1.0	1.0	1.0
67100100	MOBILIZATION	L SUM	1.0	0.17	0.17	0.17	0.17	0.17	0.17
70100405	TRAFFIC CONTROL AND PROTECTION, STANDARD 701321	EACH	6.0	1.0	1.0	1.0	1.0	1.0	1.0
70100450	TRAFFIC CONTROL AND PROTECTION, STANDARD 701201	L SUM	1.0	0.17	0.17	0.17	0.17	0.17	0.17
70106500	TEMPORARY BRIDGE TRAFFIC SIGNALS	EACH	6.0	1.0	1.0	1.0	1.0	1.0	1.00
70400100	TEMPORARY CONCRETE BARRIER	FOOT	2000.0	350.0	350.0	312.5	337.5	325.0	325.0
70400200	RELOCATE TEMPORARY CONCRETE BARRIER	FOOT	1962.5	350.0	337.5	312.5	325.0	312.5	325.0
70600250	IMPACT ATTENUATORS, TEMPORARY (NON- REDIRECTIVE), TEST LEVEL 3	EACH	12.0	2.0	2.0	2.0	2.0	2.0	2.0
70600350	IMPACT ATTENUATORS, RELOCATE (NON- REDIRECTIVE), TEST LEVEL 3	EACH	12.0	2.0	2.0	2.0	2.0	2.0	2.0
* 72501000	TERMINAL MARKER - DIRECT APPLIED	EACH	22.0	4.0	3.0	4.0	3.0	4.0	4.0
* 78200005	GUARDRAIL REFLECTORS, TYPE A	EACH	46.0	8.0	7.0	8.0	7.0	8.0	8.0

\* SPECIALTY ITEM

MODEL: \\MODELNAME\$ FILE: \\NAME\$.prt \\ipartsonline.dwg: \\illinois.gov: \\PVIDOT\Documents\DOT\_Offices\District\_5\Projects\0570D96\CAD\Drawings\CAD\Sheet0570D96\_sht\_005.dgn

USER NAME = shawleres	DESIGNED -	REVISED -
PLOT SCALE = 40.0000 ' / in.	DRAWN -	REVISOR -
PLOT DATE = 9/16/2020	CHECKED -	REVISOR -
	DATE -	REVISOR -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

SUMMARY OF QUANTITIES			
SN. 021-0053, 0055, 0026, 0054, 0056,			
SCALE:	SHEET 2	OF 3 SHEETS	STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
749	121BDR	DOUGLAS	62	4
CONTRACT NO. 70D96				
ILLINOIS FED. AID PROJECT				



### STAGE I CONSTRUCTION

S.N. 021-0053

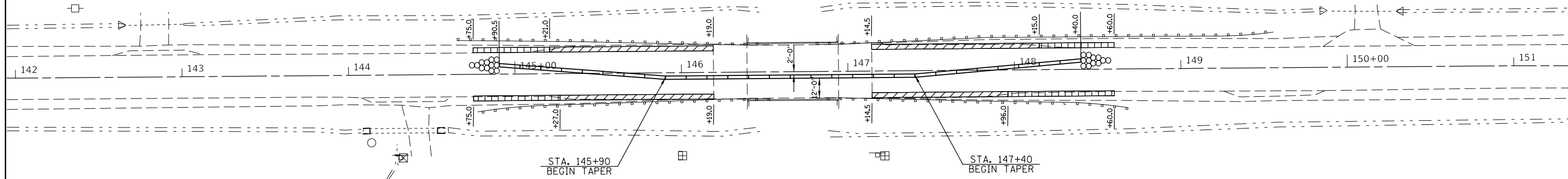


PRE-STAGE:  
HMA SURFACE REMOVAL 1.75"  
HMA SURFACE COURSE 1.75"



PRE-STAGE: (EARTH EXCAVATION & PPC SHOULDERS)  
EARTH EXCAVATION  
HMA SHOULDER WIDENING 6"  
HMA SURFACE COURSE 1.75"

HOT-MIX ASPHALT SURFACE REMOVAL 1.75" (Pre-Stage Removal) Stage I & II						
Structure	Side	Begin Station	End Station	Length (foot)	Shldr Width (foot)	Area (sq yd)
021-0053	Right	145+27	146+19	92.0	3.0	30.67
	Right	147+14.5	147+96	81.5	3.0	27.17
	Left	145+21	146+19	98.0	3.0	32.67
	Left	147+14.5	148+15	100.5	3.0	33.50
Totals						124.01
Use						124.0



EARTH EXCAVATION Stage I & II							
Structure	Side	Begin Station	End Station	Length (foot)	Shldr Width (foot)	Depth (inch)	Removal (cu yd)
021-0053	Right	144+75	145+27	52.0	3.0	7.75	3.73
	Right	147+96	148+60	64.0	3.0	7.75	4.59
	Left	144+75	145+21	46.0	3.0	7.75	3.30
	Left	148+15	148+60	45.0	3.0	7.75	3.23
Totals							14.85
Use							15.0

HOT-MIX ASPHALT SHOULDERS 6" (Pre-Stage Re-surfacing) Stage I & II							
Structure	Side	Begin Station	End Station	Length (foot)	Shldr Width (foot)	Area (sq yd)	HMA (Tons)
021-0053	Right	144+75	145+27	52.0	3.0	17.33	5.8
	Right	147+96	148+60	64.0	3.0	21.66	7.3
	Left	144+75	145+21	46.0	3.0	15.33	5.2
	Left	148+15	148+60	45.0	3.0	15.00	5.0
Totals							23.3
Use							24.0

HOT-MIX ASPHALT SURFACE COURSE 1.75" (Pre-Stage Re-surfacing) Stage I & II							
Structure	Side	Begin Station	End Station	Length (foot)	Shldr Width (foot)	Area (sq yd)	HMA (Tons)
021-0053	Right	144+75	146+19	144.0	3.0	48.00	4.70
	Right	147+14.5	148+60	145.5	3.0	48.50	4.75
	Left	144+75	146+19	144.0	3.0	48.00	4.70
	Left	147+14.5	148+60	144.5	3.0	48.50	4.75
Totals							18.90
Use							19.0

### STAGE II CONSTRUCTION

S.N. 021-0053



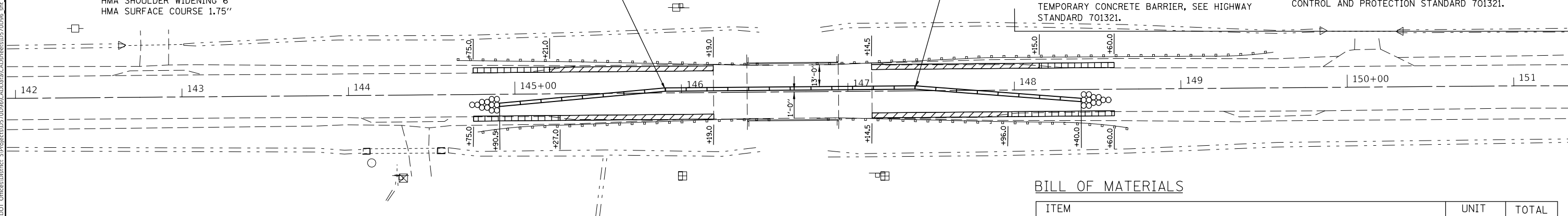
PRE-STAGE:  
HMA SURFACE REMOVAL 1.75"  
HMA SURFACE COURSE 1.75"



PRE-STAGE: (EARTH EXCAVATION & PPC SHOULDERS)  
EARTH EXCAVATION  
HMA SHOULDER WIDENING 6"  
HMA SURFACE COURSE 1.75"

STA. 145+90  
BEGIN TAPER

STA. 147+40  
BEGIN TAPER



#### PLAN NOTES:

ALL STAGING DETAILS SHALL BE IN ACCORDANCE WITH TRAFFIC CONTROL AND PROTECTION STANDARD 701321 AND PAID FOR AT THE CONTRACT UNIT PRICE PER EACH LOCATION.

ALL WORK WITHOUT TEMPORARY CONCRETE BARRIER IN PLACE SHALL BE IN ACCORDANCE WITH TRAFFIC CONTROL AND PROTECTION STANDARDS 701201 AND 701206.

FOR ADDITIONAL DETAILS ASSOCIATED WITH TEMPORARY CONCRETE BARRIER, SEE HIGHWAY STANDARD 701321.

REFLECTOR SHALL BE ATTACHED TO GUARDRAIL AND BARRIER WALL AT 25 FOOT CENTERS. COST TO BE INCLUDED WITH TRAFFIC CONTROL AND PROTECTION STANDARD 701321.

REFLECTORIZED TEMPORARY MARKING TAPE SHALL BE PLACED THROUGHOUT THE TAPER, AND ALONGSIDE BOTH SIDES OF THE WORK AREA. EXISTING MARKINGS THAT CONFLICT WITH THE STAGED TRAFFIC MARKINGS SHALL BE REMOVED OR COVERED. COST TO REMOVE EXISTING MARKINGS AND FOR THE PLACEMENT AND REMOVAL OF TEMPORARY MARKINGS SHALL BE INCLUDED WITH TRAFFIC CONTROL AND PROTECTION STANDARD 701321.

#### BILL OF MATERIALS

ITEM	UNIT	TOTAL
EARTH EXCAVATION	CU YD	15.0
HMA ASPHALT SURFACE COURSE, IL 9.5 FG, N50	TONS	19.0
HMA SURFACE REMOVAL 1.75"	SQ YD	124.0
HMA SHOULDERS	TONS	25.0
TEMPORARY CONCRETE BARRIER	FOOT	350.0
RELOCATE TEMPORARY CONCRETE BARRIER	FOOT	350.0
IMPACT ATTENUATORS, TEMPORARY (NON-REDIRECTIVE), TEST LEVEL 3	EACH	2.0
IMPACT ATTENUATORS, RELOCATE (NON-REDIRECTIVE), TEST LEVEL 3	EACH	2.0

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

TEMPORARY CONCRTEE BARRIER DETAILS  
S.N. 021-0053

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
749	121BDR	DOUGLAS	62	6
CONTRACT NO. 70D96				
ILLINOIS FED. AID PROJECT				

SCALE: SHEET 1 OF 6 SHEETS STA. TO STA.

## STAGE I CONSTRUCTION

S.N. 021-0055



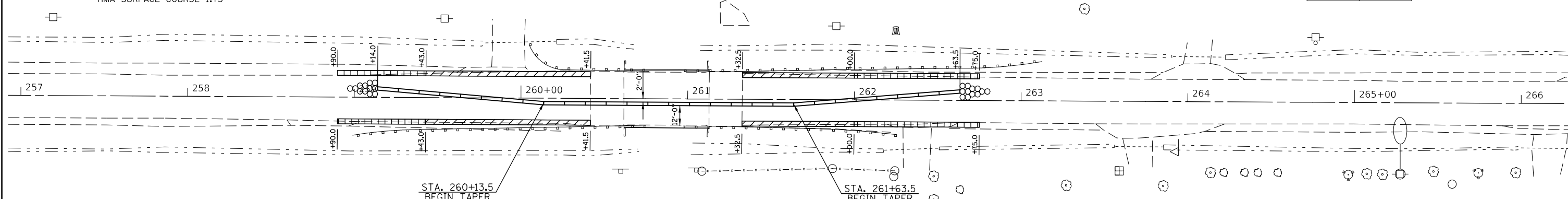
PRE-STAGE:  
HMA SURFACE REMOVAL 1.75"  
HMA SURFACE COURSE 1.75"



PRE-STAGE: (EARTH EXCAVATION & PPC SHOULDERS)  
EARTH EXCAVATION  
HMA SHOULDER WIDENING 6"  
HMA SURFACE COURSE 1.75"

NOTE:  
THE CONTRACTOR WILL ALLOW ACCESS  
TO THE FARMER WHEN NEEDED.

HOT-MIX ASPHALT SURFACE REMOVAL 1.75" (Pre-Stage Removal) Stage I & II						
Structure	Side	Begin Station	End Station	Length (foot)	Shldr Width (foot)	Area (sq yd)
021-0055	Right	259+43	260+41.5	98.5	3.0	32.83
	Right	261+32.5	262+00	67.5	3.0	22.50
	Left	259+43	260+41.5	98.5	3.0	32.83
	Left	261+32.5	262+00	67.5	3.0	22.50
<b>Totals</b>						110.66
<b>Use</b>						111.0



EARTH EXCAVATION Stage I & II							
Structure	Side	Begin Station	End Station	Length (foot)	Shldr Width (foot)	Depth (Inch)	Removal (cu yd)
021-0055	Right	258+90	259+43	53.0	3.0	7.75	3.80
	Right	262+00	262+75	75.0	3.0	7.75	5.38
	Left	258+90	259+43	53.0	3.0	7.75	3.80
	Left	262+00	262+75	75.0	3.0	7.75	5.38
<b>Totals</b>							18.36
<b>Use</b>							19.00

HOT-MIX ASPHALT SHOULDERS 6" (Pre-Stage Re-surfacing) Stage I & II							
Structure	Side	Begin Station	End Station	Length (foot)	Shldr Width (foot)	Area (sq yd)	HMA (Tons)
021-0055	Right	258+90	259+43	53.0	3.0	17.67	5.94
	Right	262+00	262+75	75.0	3.0	25.00	8.40
	Left	258+90	259+43	53.0	3.0	17.67	5.94
	Left	262+00	262+75	75.0	3.0	25.00	8.40
<b>Totals</b>							28.68
<b>Use</b>							29.0

HOT-MIX ASPHALT SURFACE COURSE 1.75" (Pre-Stage Re-surfacing) Stage I & II							
Structure	Side	Begin Station	End Station	Length (foot)	Shldr Width (foot)	Area (sq yd)	HMA (Tons)
021-0055	Right	258+90	260+41.5	151.5	3.0	50.50	4.95
	Right	261+32.5	262+75	142.5	3.0	47.50	4.66
	Left	258+90	260+41.5	151.5	3.0	50.50	4.95
	Left	261+32.5	262+75	142.5	3.0	47.50	4.66
<b>Totals</b>							19.22
<b>Use</b>							20.0

## STAGE II CONSTRUCTION

S.N. 021-0055



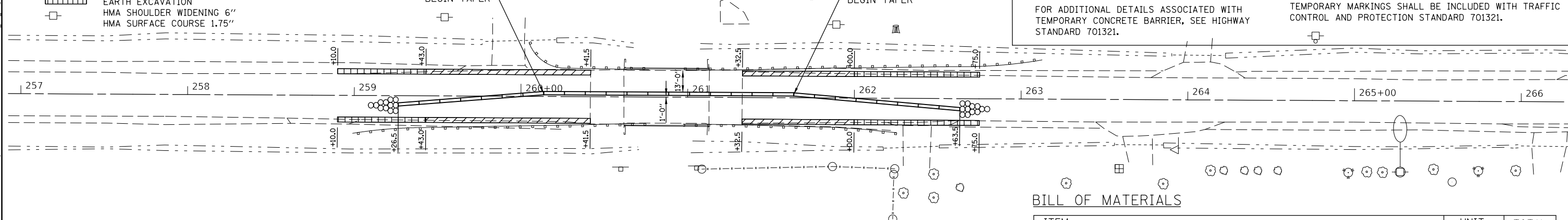
PRE-STAGE:  
HMA SURFACE REMOVAL 1.75"  
HMA SURFACE COURSE 1.75"



PRE-STAGE: (EARTH EXCAVATION & PPC SHOULDERS)  
EARTH EXCAVATION  
HMA SHOULDER WIDENING 6"  
HMA SURFACE COURSE 1.75"

STA. 260+13.5  
BEGIN TAPER

STA. 261+63.5  
BEGIN TAPER



NOTE:  
THE CONTRACTOR WILL ALLOW ACCESS  
TO THE FARMER WHEN NEEDED.

### PLAN NOTES:

ALL STAGING DETAILS SHALL BE IN ACCORDANCE WITH TRAFFIC CONTROL AND PROTECTION STANDARD 701321 AND PAID FOR AT THE CONTRACT UNIT PRICE PER EACH LOCATION.

ALL WORK WITHOUT TEMPORARY CONCRETE BARRIER IN PLACE SHALL BE IN ACCORDANCE WITH TRAFFIC CONTROL AND PROTECTION STANDARDS 701201 AND 701206.

FOR ADDITIONAL DETAILS ASSOCIATED WITH TEMPORARY CONCRETE BARRIER, SEE HIGHWAY STANDARD 701321.

REFLECTOR SHALL BE ATTACHED TO GUARDRAIL AND BARRIER WALL AT 25 FOOT CENTERS. COST TO BE INCLUDED WITH TRAFFIC CONTROL AND PROTECTION STANDARD 701321.

REFLECTORIZED TEMPORARY MARKING TAPE SHALL BE PLACED THROUGHOUT THE TAPER, AND ALONGSIDE BOTH SIDES OF THE WORK AREA. EXISTING MARKINGS THAT CONFLICT WITH THE STAGED TRAFFIC MARKINGS SHALL BE REMOVED OR COVERED. COST TO REMOVE EXISTING MARKINGS AND FOR THE PLACEMENT AND REMOVAL OF TEMPORARY MARKINGS SHALL BE INCLUDED WITH TRAFFIC CONTROL AND PROTECTION STANDARD 701321.

### BILL OF MATERIALS

ITEM	UNIT	TOTAL
EARTH EXCAVATION	CU YD	19.0
HMA ASPHALT SURFACE COURSE, IL 9.5 FG, N50	TONS	46.0
HMA SURFACE REMOVAL 1.75"	SQ YD	111.0
HMA SHOULDERS	TONS	29.0
TEMPORARY CONCRETE BARRIER	FOOT	350.0
RELOCATE TEMPORARY CONCRETE BARRIER	FOOT	337.5
IMPACT ATTENUATORS, TEMPORARY (NON-REDIRECTIVE), TEST LEVEL 3	EACH	2.0
IMPACT ATTENUATORS, RELOCATE (NON-REDIRECTIVE), TEST LEVEL 3	EACH	2.0

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

TEMPORARY CONCRETE BARRIER DETAILS  
S.N. 021-0055

USER NAME = shawleres	DESIGNED -	REVISED -
PLOT SCALE = 60,0000' / in.	DRAWN -	REVISED -
PLOT DATE = 9/16/2020	CHECKED -	REVISED -
	DATE -	REVISED -

SCALE: SHEET 2 OF 6 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
749	121BDR	DOUGLAS	62	7
CONTRACT NO. 70D96				
ILLINOIS FED. AID PROJECT				









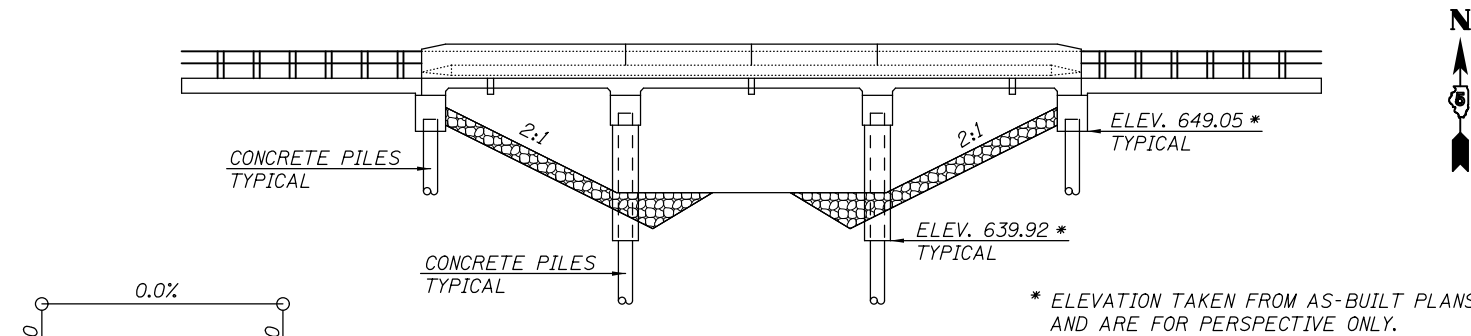


# GENERAL PLAN & ELEVATION

## S.N. 021-0053

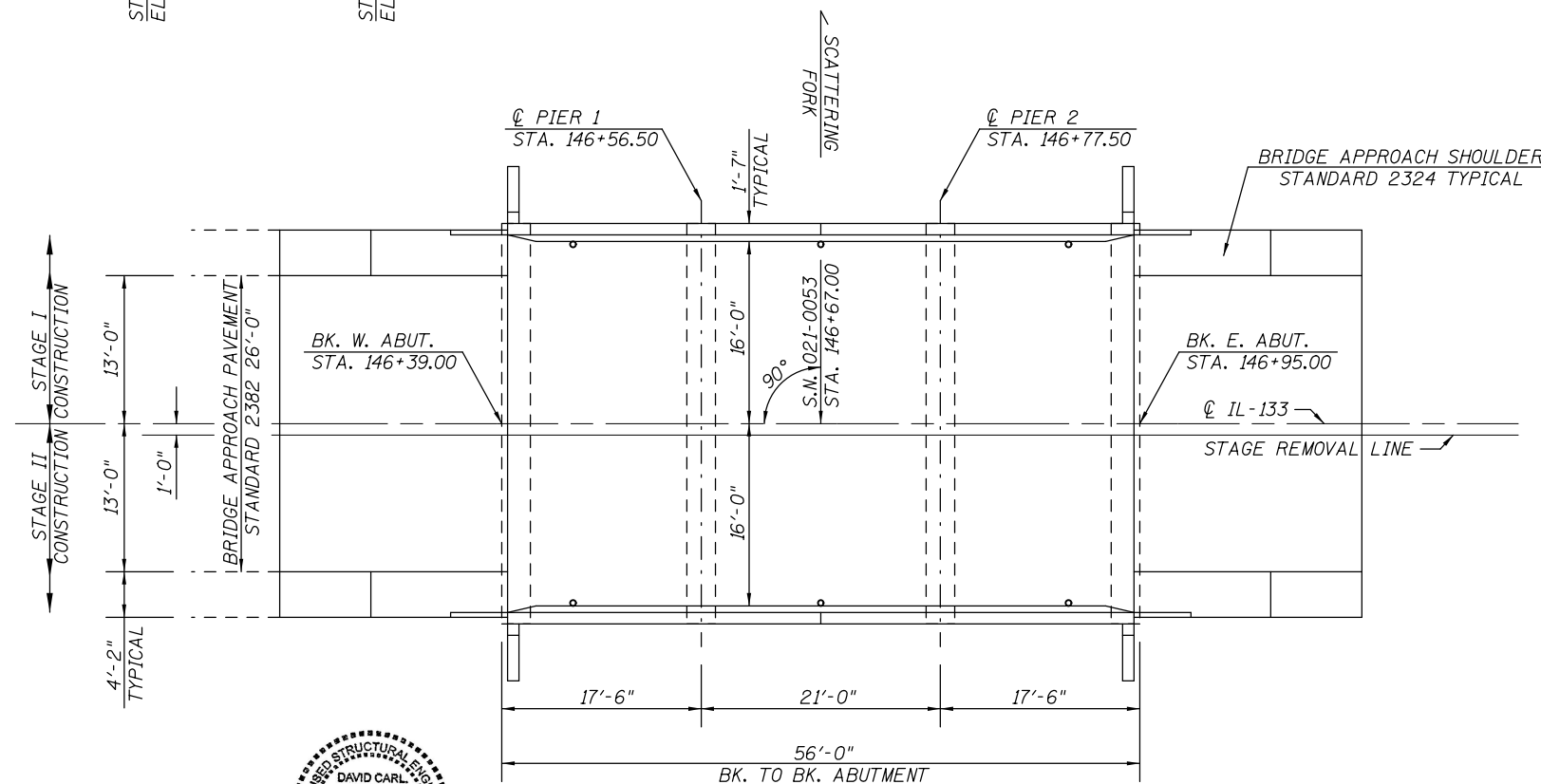
STRUCTURE NO. 021-0053 BUILT AS FAP 749, SEC. 121BR IN 1990 AT STATION 146+67 BY THE STATE OF ILLINOIS IN DOUGLAS COUNTY. THE STRUCTURE IS A THREE -SPAN R.C. SLAB STRUCTURE BUILT ON OPEN ABUTMENTS SUPPORTED BY CONCRETE PILES. THE EXISTING STRUCTURE MEASURES 56'-0" FROM BACK TO BACK OF ABUTMENTS AND 35'-2" OUT TO OUT OF DECK. THE STRUCTURE HAS A CLEAR WIDTH OF 32'-0" FROM FACE TO FACE OF PARAPET. THE SUPERSTRUCTURE CONSISTS OF A 10" R.C. SLAB SUPPORTED BY TWO SPILL-THRU ABUTMENTS AND TWO COLUMN PIERS, ALL ON CONCRETE PILES. THE STRUCTURE HAS NO SKEW.

WORK SHALL BE COMPLETED WITH STAGE CONSTRUCTION.



**ELEVATION VIEW**

\* ELEVATION TAKEN FROM AS-BUILT PLANS AND ARE FOR PERSPECTIVE ONLY.



**PLAN VIEW**



Expires 11-30-2022

*David Carl Puzey*  
12-2-2020

### SCOPE OF WORK

1. COMPLETE BRIDGE DECK SCARIFICATION.
2. REMOVE AND REPLACE CURB.
3. PLACE BRIDGE DECK LATEX CONCRETE OVERLAY, 2<sup>3</sup>/<sub>4</sub>".
4. COMPLETE MILLING TRANSITIONS AND HMA OVERLAY AT APPROACH ENDS.
5. COMPLETE DIAMOND GRINDING.
6. COMPLETE BRIDGE DECK GROOVING (BRIDGE SECTION).
7. REMOVE AND REPLACE TRAFFIC BARRIER TERMINALS AND GUARDRAIL.

### TOTAL BILL OF MATERIALS

ITEM	UNIT	TOTAL
CONCRETE REMOVAL	CU YD	0.3
CONCRETE SUPERSTRUCTURE	CU YD	1.4
BRIDGE DECK GROOVING (LONGITUDINAL)	SQ YD	261.0
PROTECTIVE COAT	SQ YD	355.0
REINFORCEMENT BARS, EPOXY COATED	POUND	170.0
BRIDGE DECK LATEX CONCRETE OVERLAY, 2 <sup>3</sup> / <sub>4</sub> "	SQ YD	343.0
BRIDGE DECK SCARIFICATION <sup>3</sup> / <sub>4</sub> "	SQ YD	347.0
DIAMOND GRINDING (BRIDGE SECTION)	SQ YD	261.0

### GENERAL NOTES

PLAN DIMENSIONS AND DETAILS RELATIVE TO THE 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 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.

SEE SPECIAL PROVISIONS "DECK SLAB REPAIR" FOR ADDITIONAL REQUIREMENTS PERTAINING TO DECK SLAB REPAIR.

SEE SHEET NO. 57 FOR PARAPET WALL EXTENTION DETAIL TO ATTACH TRAFFIC BARRIER TERMINAL, TYPE 6.

MODEL: S:\MODEL\MAT\... FILE: 021-0053-PLAN-GENERAL-PLAN-AND-ELEVATION.dwg

USER NAME = shawleres	DESIGNED - ESS	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 40.0000' / in.	CHECKED - TJB	REVISED -
PLOT DATE = 11/25/2020	DATE -	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

GENERAL PLAN & ELEVATION  
S.N. 021-0053

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
749	121BDR	DOUGLAS	62	12
CONTRACT NO. 70D96			ILLINOIS FED. AID PROJECT	







# GENERAL PLAN & ELEVATION

## S.N. 021-0055

STRUCTURE NO. 021-0054 BUILT AS FAP 749, SEC. 121BR-3 IN 1990 AT STATION 386+83 BY THE STATE OF ILLINOIS IN DOUGLAS COUNTY. THE STRUCTURE IS A THREE -SPAN R.C. SLAB STRUCTURE BUILT ON OPEN ABUTMENTS SUPPORTED BY CONCRETE PILES. THE EXISTING STRUCTURE MEASURES 44'-6" FROM BACK TO BACK OF ABUTMENTS AND 35'-2" OUT TO OUT OF DECK. THE STRUCTURE HAS A CLEAR WIDTH OF 32'-0" FROM FACE TO FACE OF PARAPET. THE SUPERSTRUCTURE CONSISTS OF A 9" R.C. SLAB SUPPORTED BY TWO SPILL-THRU ABUTMENTS AND TWO COLUMN PIERS, ALL ON CONCRETE PILES. THE STRUCTURE HAS NO SKEW.

WORK SHALL BE COMPLETED WITH STAGE CONSTRUCTION.

### SCOPE OF WORK

1. COMPLETE BRIDGE DECK SCARIFICATION.
2. REMOVE AND REPLACE CURB.
3. BRIDGE DECK FULL DEPTH PATCHING AND REPLACE FLOOR DRAINS.
4. PLACE BRIDGE DECK LATEX CONCRETE OVERLAY, 2<sup>3</sup>/<sub>4</sub>".
5. COMPLETE MILLING TRANSITIONS AND HMA OVERLAY AT APPROACH ENDS.
6. COMPLETE DIAMOND GRINDING (BRIDGE SECTION).
7. COMPLETE BRIDGE DECK GROOVING.
8. REMOVE AND REPLACE TRAFFIC BARRIER TERMINALS AND GUARDRAIL.

### TOTAL BILL OF MATERIALS

ITEM	UNIT	TOTAL
CONCRETE REMOVAL	CU YD	0.3
CONCRETE SUPERSTRUCTURE	CU YD	1.4
BRIDGE DECK GROOVING (LONGITUDINAL)	SQ YD	250.0
PROTECTIVE COAT	SQ YD	344.0
REINFORCEMENT BARS, EPOXY COATED	POUND	170.0
BRIDGE DECK LATEX CONCRETE OVERLAY, 2 <sup>3</sup> / <sub>4</sub> "	SQ YD	332.0
BRIDGE DECK SCARIFICATION <sup>3</sup> / <sub>4</sub> "	SQ YD	337.0
DECK SLAB REPAIR (FULL-DEPTH, TYPE II)	SQ YD	3.6
FLOOR DRAIN	EACH	6.0
DIAMOND GRINDING (BRIDGE SECTION)	SQ YD	263.0

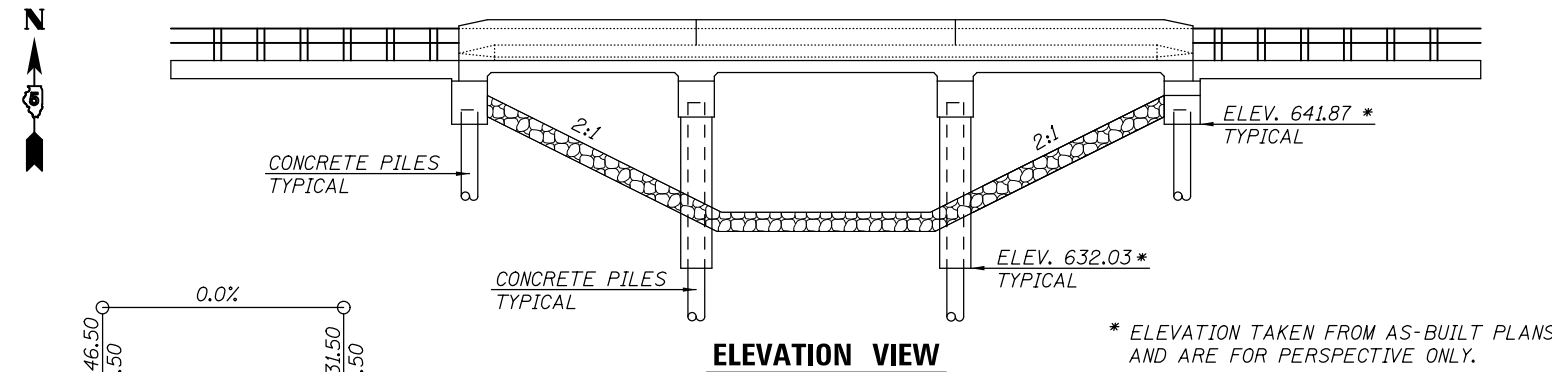
### GENERAL NOTES

PLAN DIMENSIONS AND DETAILS RELATIVE TO THE 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 SCOPE OF WORK, HOWEVER, THE CONTRACTOR WILL BE PAID FOR THE QUANTITY ACTUALLY FURNISHED AT THE UNIT PRICE BID FOR THE WORK.

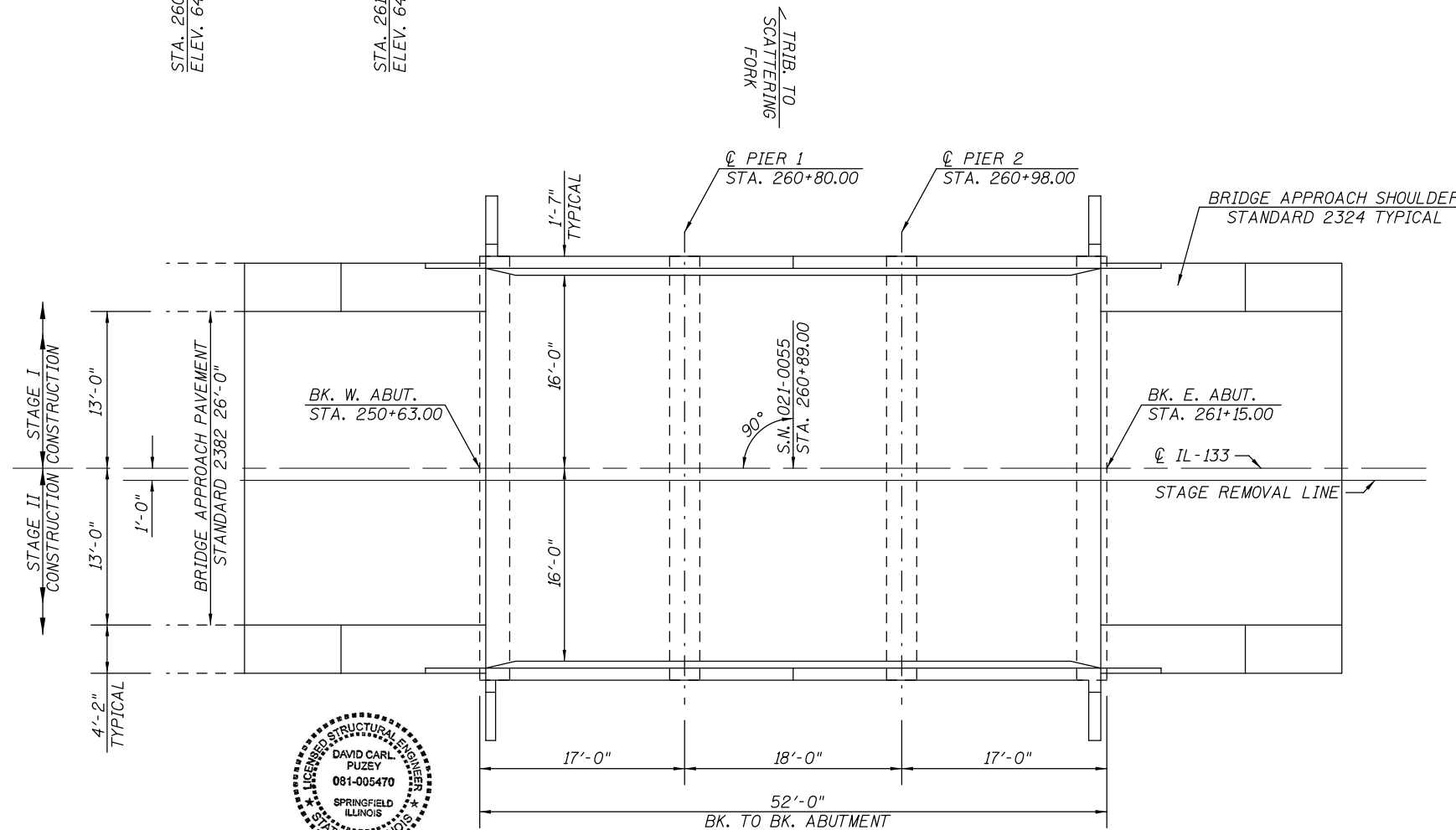
EXISTING REINFORCEMENT BARS EXTENDING INTO THE REMOVAL AREA SHALL BE CLEANED, STRAIGHTENED AND INCORPORATED INTO THE NEW CONSTRUCTION. ANY REINFORCEMENT BARS THAT ARE DAMAGED DURING CONCRETE REMOVAL SHALL BE REPLACED WITH AN APPROVED BAR SPLICER OR ANCHORAGE SYSTEM. COST INCLUDED WITH CONCRETE REMOVAL.

SEE SPECIAL PROVISIONS "DECK SLAB REPAIR" FOR ADDITIONAL REQUIREMENTS PERTAINING TO DECK SLAB REPAIR.

SEE SHEET NO. 57 FOR PARAPET WALL EXTENTION DETAIL TO ATTACH TRAFFIC BARRIER TERMINAL, TYPE 6.



ELEVATION VIEW



PLAN VIEW



Expires 11-30-2022

*David Carl Puzey*

12-2-2020

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

GENERAL PLAN & ELEVATION  
S.N. 021-0055

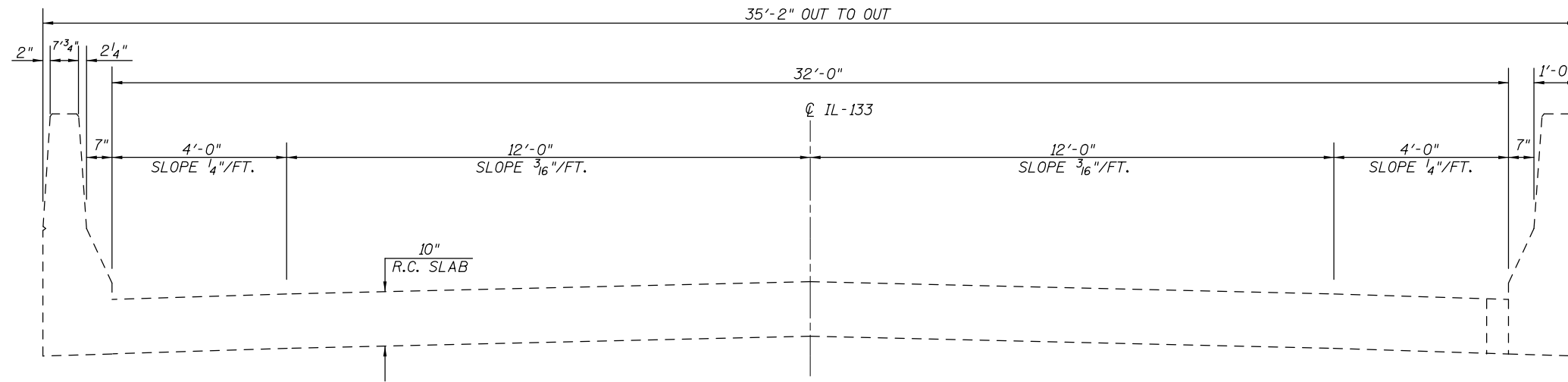
SCALE: SHEET 1 OF 5 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
749	121BDR	DOUGLAS	62	16
CONTRACT NO. 70D96				
ILLINOIS FED. AID PROJECT				



# EXISTING DECK CROSS SECTION

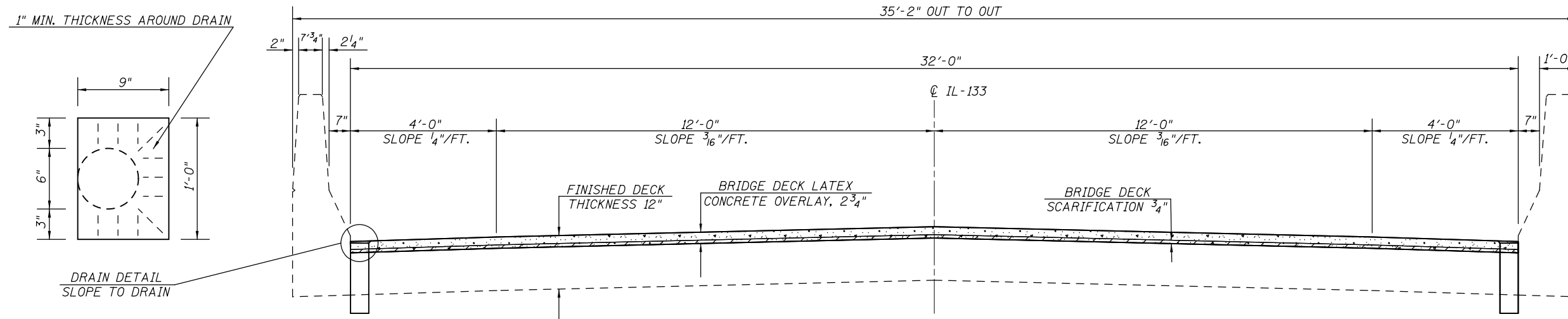
S.N. 021-0055



LOOKING EAST

# PROPOSED DECK CROSS SECTION

S.N. 021-0055



LOOKING EAST

MODEL: \\MODELNAME FILE: \\NAME.Plot Date: 11/25/2020

USER NAME = shawleres	DESIGNED -	REVISED -
PLOT SCALE = 40.0000' / in.	DRAWN -	REVISED -
PLOT DATE = 11/25/2020	CHECKED -	REVISED -
	DATE -	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

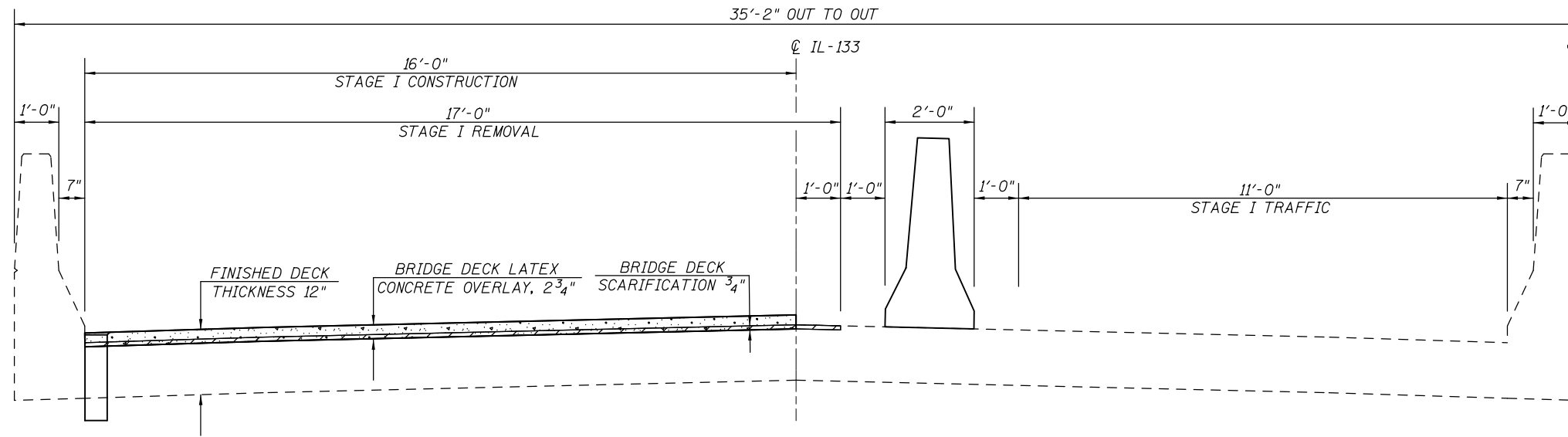
BRIDGE DECK CROSS SECTION  
S.N. 021-0055

SCALE: SHEET 2 OF 5 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
749	121BDR	DOUGLAS	62	17
CONTRACT NO. 70D96				
ILLINOIS FED. AID PROJECT				

# STAGE I CONSTRUCTION DETAIL

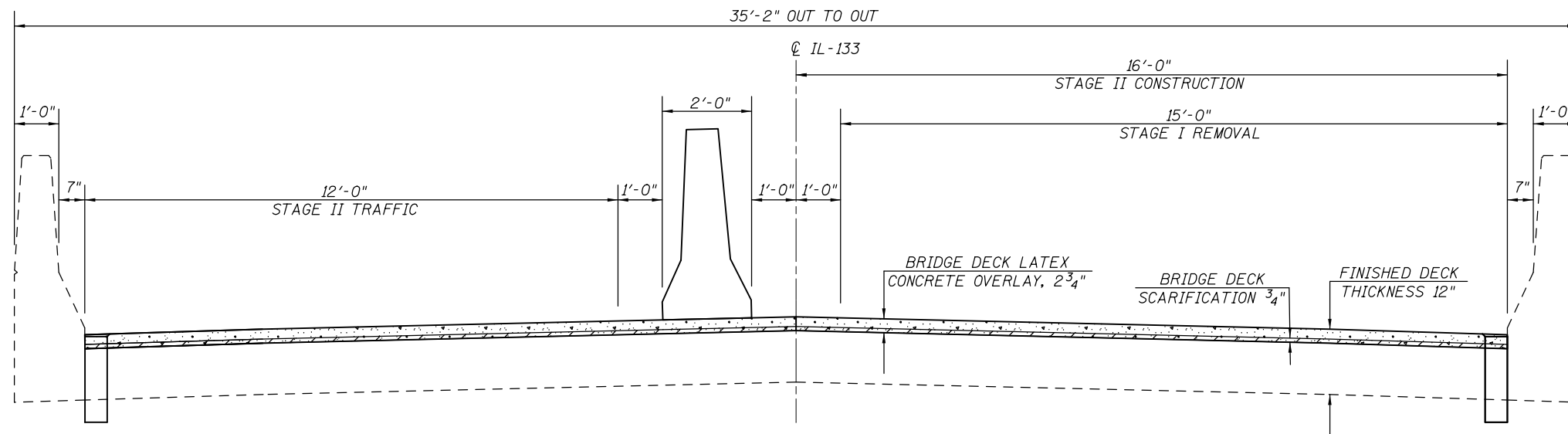
S.N. 021-0055



LOOKING EAST

# STAGE II CONSTRUCTION DETAIL

S.N. 021-0055



LOOKING EAST

MODEL: \\MODEL\MAT\...  
 FILE: \\mat\...

USER NAME = shawleres	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 40.0000 ' / in.	CHECKED -	REVISED -
PLOT DATE = 11/25/2020	DATE -	REVISED -

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

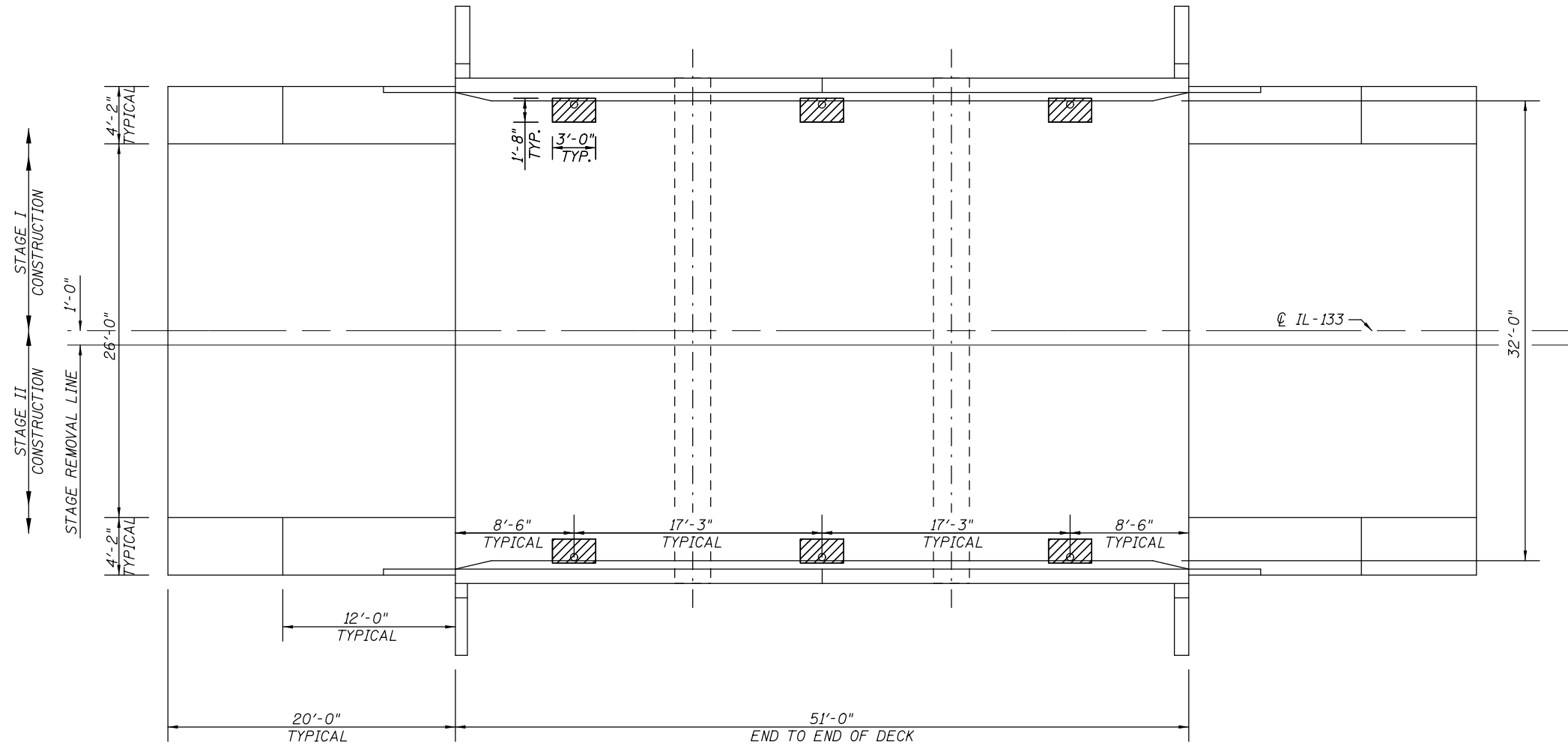
STAGE CONSTRUCTION CROSS SECTION  
 S.N. 021-0055

SCALE: SHEET 3 OF 5 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
749	121BDR	DOUGLAS	62	18
CONTRACT NO. 70D96				
ILLINOIS FED. AID PROJECT				



# BRIDGE DECK PATCHING S.N. 021-0055



**NOTE:**

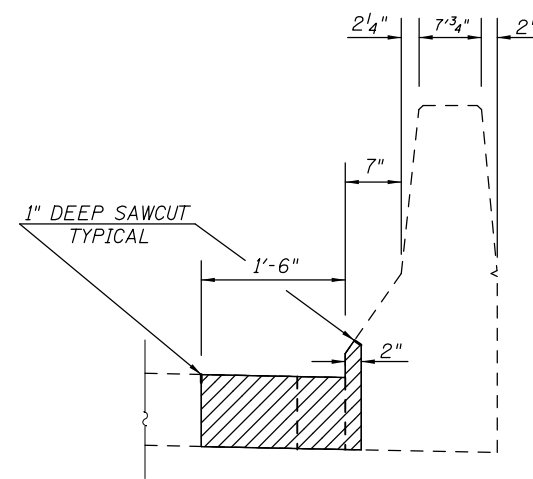
THE ENGINEER SHALL SHOW ACTUAL LOCATIONS OF DECK SLAB REPAIR ON THE AS-BUILT PLANS. THE PREFERRED METHOD OF RECORDING THIS INFORMATION IS DATA RECORDING BY GPS OR TOTAL STATION. PROCESSED IN MICROSTATION. IF DESIRED, THE ENGINEER MAY RECORD BY HAND.

FIBERGLASS PIPE SHALL CONFORM TO ASTM D2996, WITH SHORT-TIME RUPTURE STRENGTH HOOP TENSILE STRESS OF 30,000 P.S.I. MINIMUM.

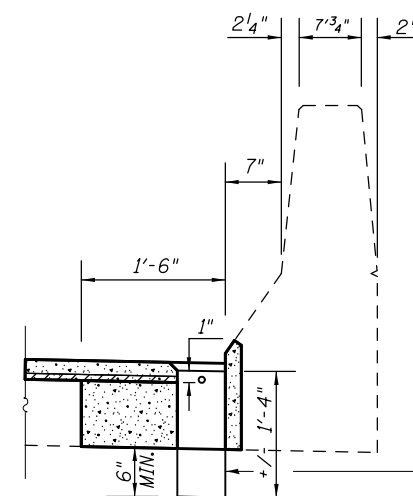
THE EXTERIOR SURFACE OF THE FLOOR DRAINS SHALL BE PAINTED ACCORDING TO ARTICLE 506 WITH THE FINISH COAT AS SPECIFIED. THE EXTERIOR SURFACES OF THE DRAIN SHALL BE CLEANED ACCORDING TO THE SOCIETY OF PROTECTIVE COATING'S SPEC. SSPC-SP1 PRIOR TO PAINTING.

THE TOP PORTION OF ALUMINUM FLOOR DRAINS SHALL BE COATED TO MINIMIZE REACTION WITH WET CONCRETE.

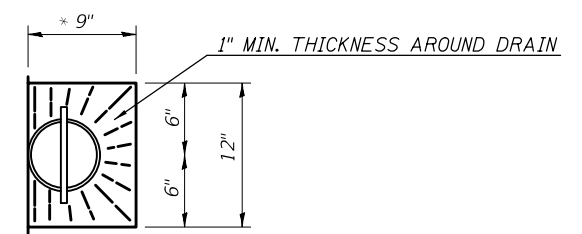
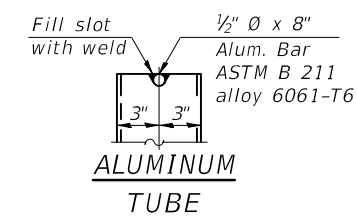
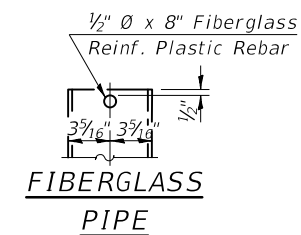
PATCH NO.	SIZE	DECK SLAB REPAIR (PART DEPTH)		DECK SLAB REPAIR (FD TY 1)		DECK SLAB REPAIR (FD TY 2)	
		SQ	YD	SQ	YD	SQ	YD
1	3.00 * 1.67					0.6	
2	3.00 * 1.67					0.6	
3	3.00 * 1.67					0.6	
4	3.00 * 1.67					0.6	
5	3.00 * 1.67					0.6	
6	3.00 * 1.67					0.6	



**EXISTING SECTION  
THRU PARAPET**



**PROPOSED SECTION  
THRU PARAPET**



**TOP PLAN**  
\* Slope to drain

**BILL OF MATERIALS**

ITEM	UNIT	TOTAL
DECK SLAB REPAIR (FULL DEPTH, TYPE II)	SQ YD	3.6
FLOOR DRAIN	EACH	6.0

MODEL: ST0001.MXFS  
FILE: 021-0055-121BDR-001.dwg  
PROJECT: 021-0055-121BDR-001.dwg  
DATE: 11/25/2020

USER NAME = shawleres	DESIGNED - ESS	REVISED -
PLOT SCALE = 40.0000 ' / in.	DRAWN -	REVISED -
PLOT DATE = 11/25/2020	CHECKED - TJB	REVISED -
	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**BRIDGE DECK PATCH & FLOOR DRAINS  
S.N. 021-0055**

SCALE: SHEET 5 OF 5 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
749	121BDR	DOUGLAS	62	20
CONTRACT NO. 70D96				
ILLINOIS FED. AID PROJECT				

# GENERAL PLAN & ELEVATION

## S.N. 021-0026

STRUCTURE NO. 021-0026 BUILT AS SBI 133, SEC. 121 IN 1932 AT STATION 323+42 BY THE STATE OF ILLINOIS IN DOUGLAS COUNTY. THE ORIGINAL STRUCTURE WAS A SINGLE-SPAN R.C. SLAB STRUCTURE BUILT ON CLOSED ABUTMENTS WITH SPREAD FOOTINGS. THE STRUCTURE WAS IMPROVED IN 1990 WHEN IT RECEIVED A NEW REINFORCED CONCRETE SLAB BUILT ON THE EXISTING ABUTMENTS. THAT WORK WAS COMPLETED UNDER FAP 749 (IL 133) SEC. 121BR-2, CONTRACT 90095. THE EXISTING STRUCTURE MEASURES 23'-11 1/2" FROM BACK TO BACK OF ABUTMENTS AND 42'-0" OUT TO OUT OF DECK. THE STRUCTURE HAS A CLEAR WIDTH OF 39'-0" FROM FACE TO FACE OF RAIL. THE STRUCTURE HAS A 19°-47' RIGHT FORWARD SKEW.

WORK SHALL BE COMPLETED WITH STAGE CONSTRUCTION.

### SCOPE OF WORK

1. COMPLETE BRIDGE DECK SCARIFICATION.
2. REMOVE AND REPLACE CURB.
3. PLACE BRIDGE DECK LATEX CONCRETE OVERLAY, 2 3/4".
4. COMPLETE MILLING TRANSITIONS AND HMA OVERLAY AT APPROACH ENDS.
5. COMPLETE DIAMOND GRINDING (BRIDGE SECTION).
6. REMOVE AND REPLACE STEEL BRIDGE RAIL.
7. COMPLETE BRIDGE DECK GROOVING.
8. REMOVE AND REPLACE TRAFFIC BARRIER TERMINALS AND GUARDRAIL.

### TOTAL BILL OF MATERIALS

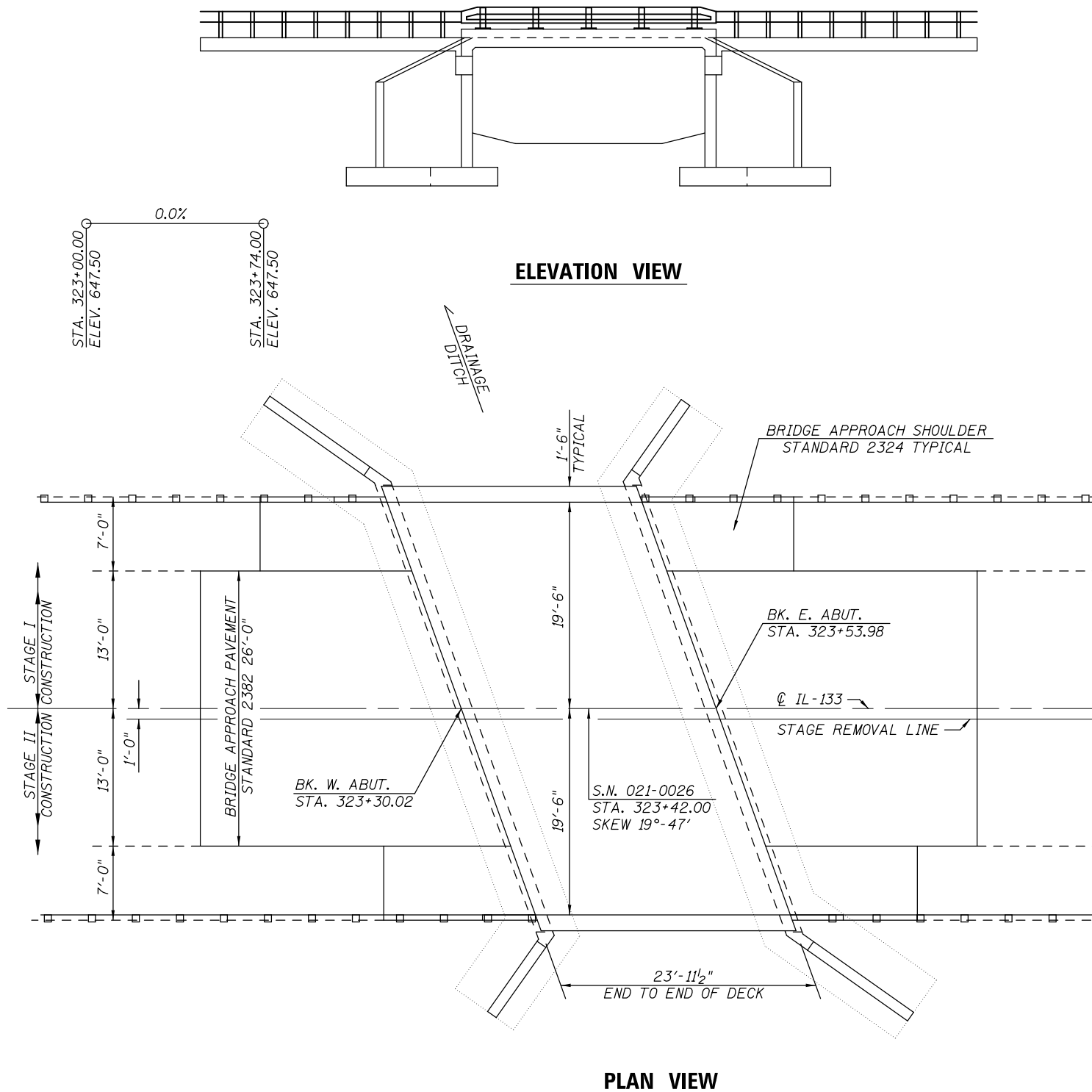
ITEM	UNIT	TOTAL
CONCRETE REMOVAL	CU YD	0.2
CONCRETE SUPERSTRUCTURE	CU YD	0.8
BRIDGE DECK GROOVING (LONGITUDINAL)	SQ YD	202.0
PROTECTIVE COAT	SQ YD	292.0
REINFORCEMENT BARS, EPOXY COATED	POUND	85.0
BRIDGE DECK LATEX CONCRETE OVERLAY, 2 3/4"	SQ YD	285.0
BRIDGE DECK SCARIFICATION 3/4"	SQ YD	288.0
DIAMOND GRINDING (BRIDGE SECTION)	SQ YD	260.0
STRUCTURE REPAIR CONCRETE (DEPTH < OR = TO 5 INCH)	SQ FT	64.0
BRIDGE RAIL REMOVAL	FOOT	48.0
STEEL RAILING, TYPE 2399	FOOT	48.0

### GENERAL NOTES

PLAN DIMENSIONS AND DETAILS RELATIVE TO THE 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 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.

SEE SPECIAL PROVISIONS "DECK SLAB REPAIR" FOR ADDITIONAL REQUIREMENTS PERTAINING TO DECK SLAB REPAIR.



Expires 11-30-2022  
*David Carl Puzey*  
 12-2-2020

MODEL: \\MODEL\MAME FILE: \\MAME\_Plan\0210026.dwg P:\PROJECTS\0210026\CADD\DATA\CAD\INRES\0210026\_Sht\_Surfs\_elev.dwg

USER NAME = shawleres	DESIGNED - ESS	REVISED -
PLOT SCALE = 40.0000' / in.	DRAWN -	REVISED -
PLOT DATE = 12/1/2020	CHECKED - TJB	REVISED -
	DATE -	REVISED -

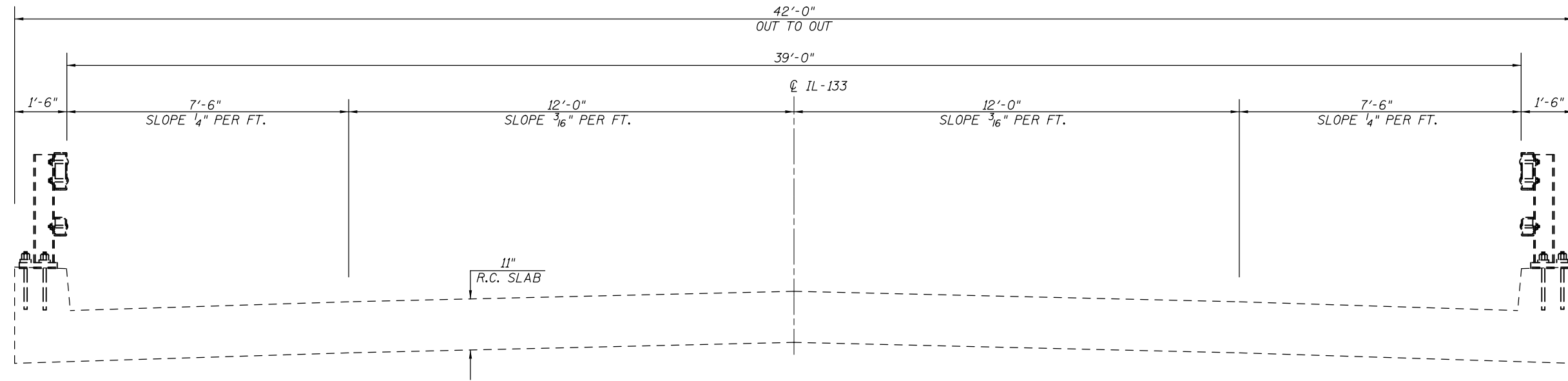
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

<b>GENERAL PLAN &amp; ELEVATION</b>	
<b>S.N. 021-0026</b>	
SCALE:	SHEET 1 OF 7 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
749	121BDR	DOUGLAS	62	21
CONTRACT NO. 70D96				
ILLINOIS FED. AID PROJECT				

## EXISTING DECK CROSS SECTION

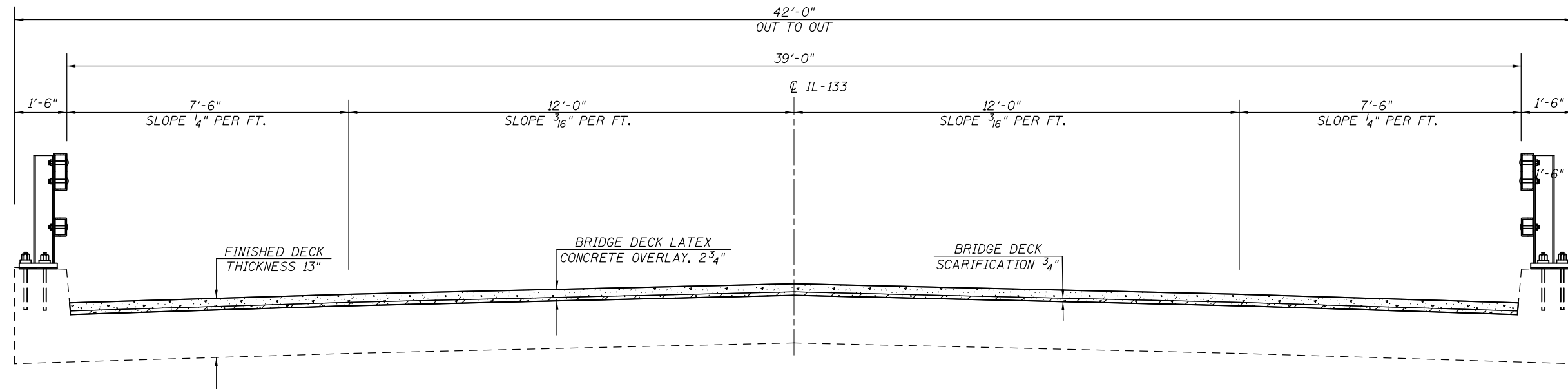
**S.N. 021-0026**



**LOOKING EAST**

## PROPOSED DECK CROSS SECTION

**S.N. 021-0026**



**LOOKING EAST**

MODEL: \\MODEL\MAME  
 FILE: \\name: p:\pub\m\com\m\da\illinois.gov\PIWDOT\Documents\DOT\_Offices\Illin\DOT\_70D96\CADD\DATA\CADD\Sheet\021-0026\_sht\_deck\_0verby.dgn

USER NAME = shawleres	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 40.0000' / in.	CHECKED -	REVISED -
PLOT DATE = 9/16/2020	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

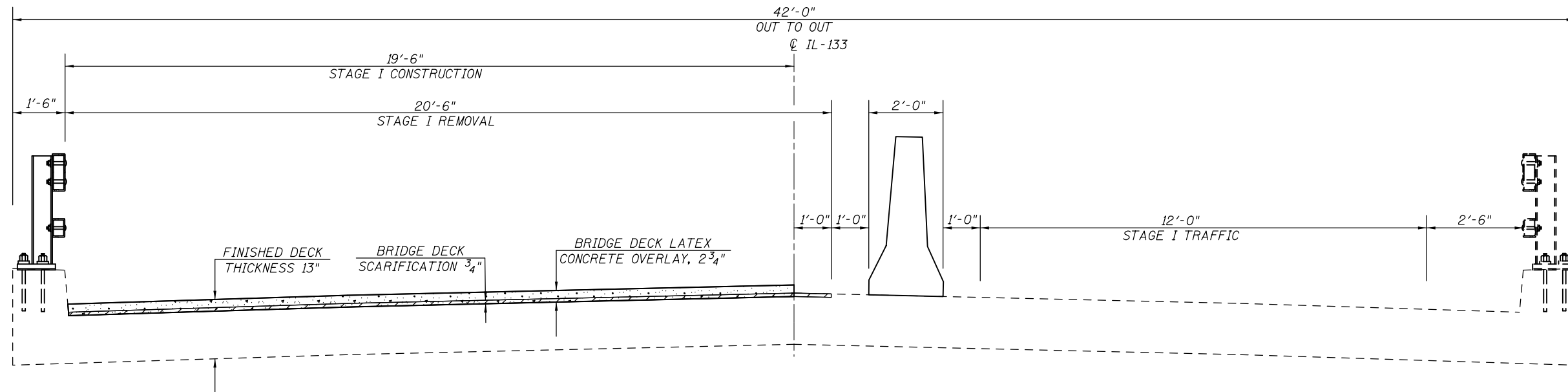
**BRIDGE DECK CROSS SECTION  
S.N. 021-0026**

SCALE: SHEET 2 OF 7 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
749	121BDR	DOUGLAS	62	22
CONTRACT NO. 70D96			ILLINOIS FED. AID PROJECT	

## STAGE I CONSTRUCTION DETAIL

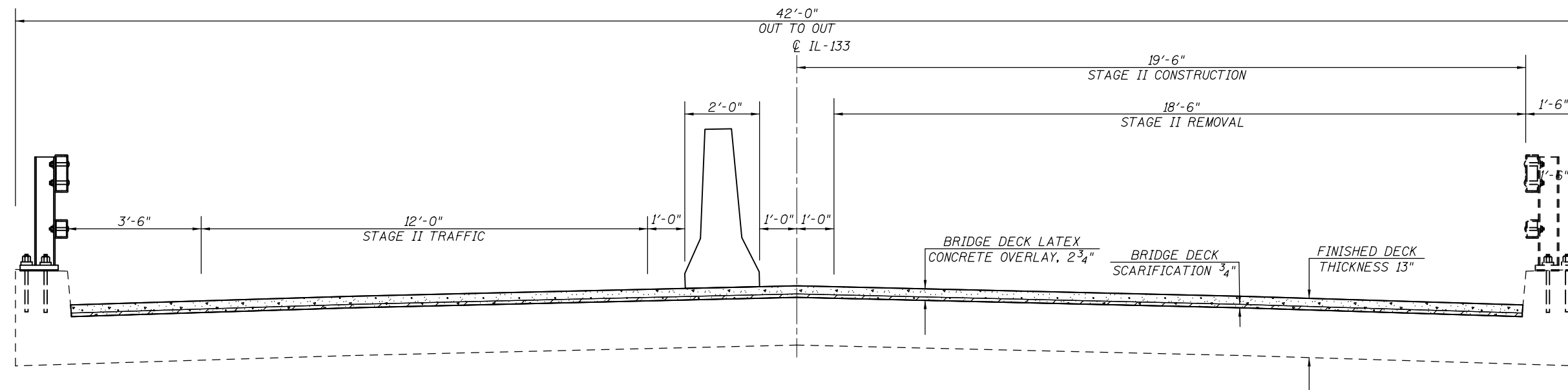
S.N. 021-0026



LOOKING EAST

## STAGE II CONSTRUCTION DETAIL

S.N. 021-0026



LOOKING EAST

MODEL: \\MODEL\MARF... FILE: \\MARF... \Project\021-0026\CADD\Drawings\021-0026\_S1R\_Surfaces\_Overview.dgn

USER NAME = shawleres	DESIGNED -	REVISED -
PLOT SCALE = 40,0000 ' / in.	DRAWN -	REVISED -
PLOT DATE = 9/16/2020	CHECKED -	REVISED -
	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

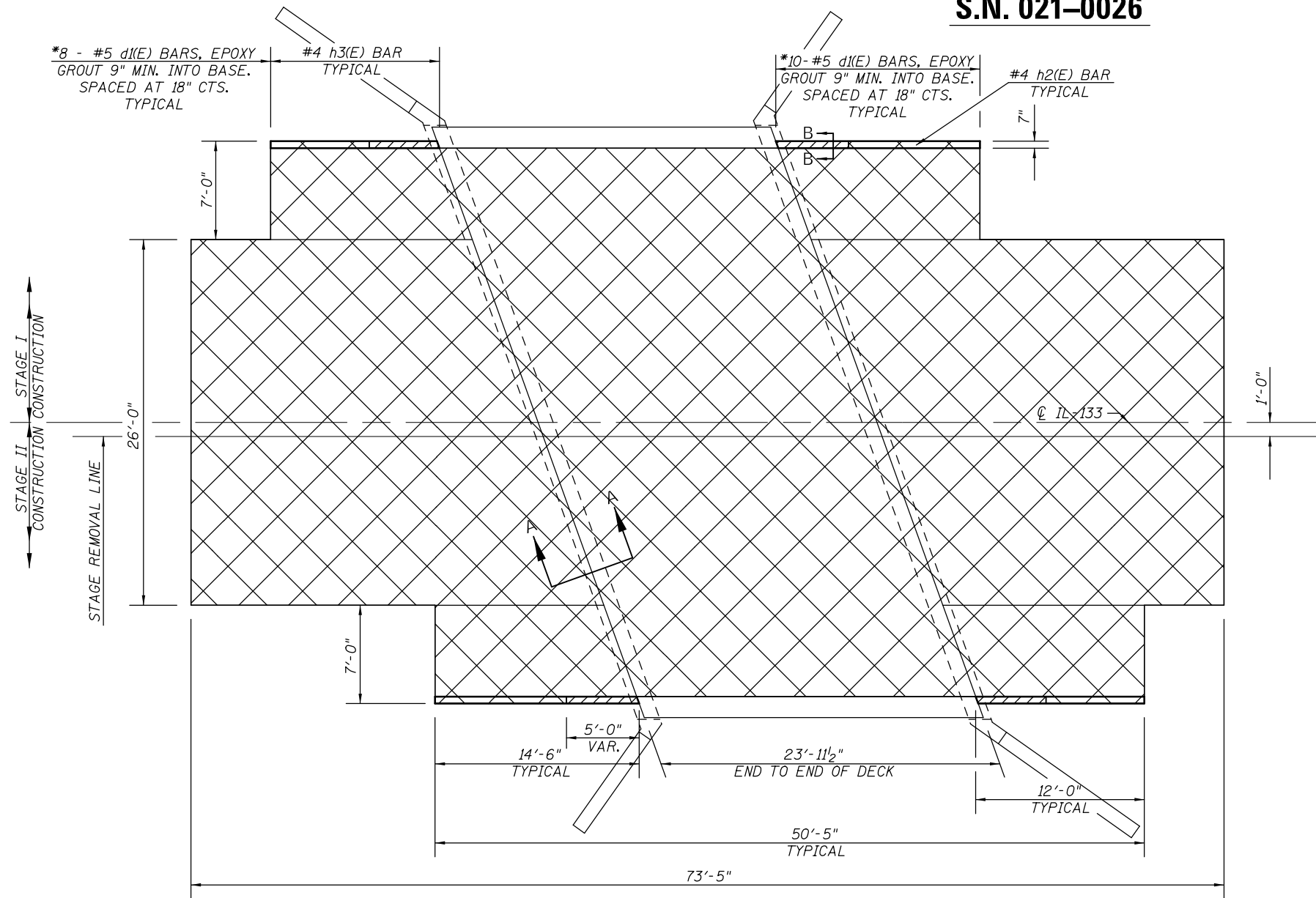
**STAGE CONSTRUCTION CROSS SECTION  
S.N. 021-0026**

SCALE: SHEET 3 OF 7 SHEETS STA. TO STA.

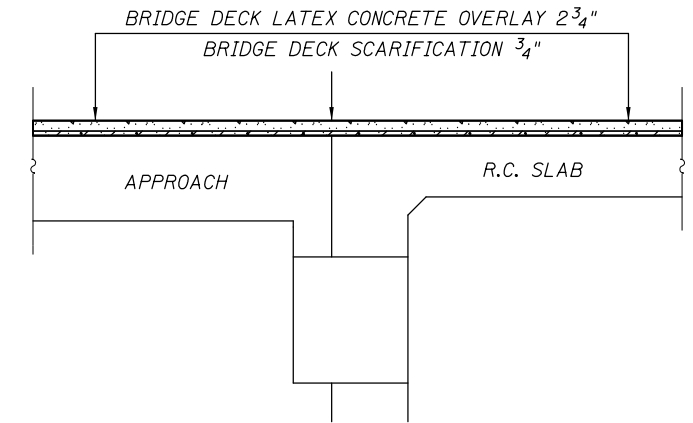
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
749	121BDR	DOUGLAS	62	23
			CONTRACT NO. 70D96	
ILLINOIS FED. AID PROJECT				

# WEARING SURFACE PLAN

S.N. 021-0026



1/4" X 3/4" SAWED JOINT WITH BRIDGE RELIEF JOINT SEALER (FULL WIDTH). SEE SPEC. BOOK SECTION 588



SECTION A-A

NOTE:

\* EPOXY GROUT BARS 9" MIN. HOLES ACCORDING TO ARTICLE 584 OF THE STANDARD SPECIFICATIONS.

THE COST OF EPOXY GROUTING BARS SHALL BE INCLUDED WITH REINFORCEMENT BARS (EPOXY COATED).

REINFORCEMENT BARS DESIGNATED (E) SHALL BE EPOXY COATED.

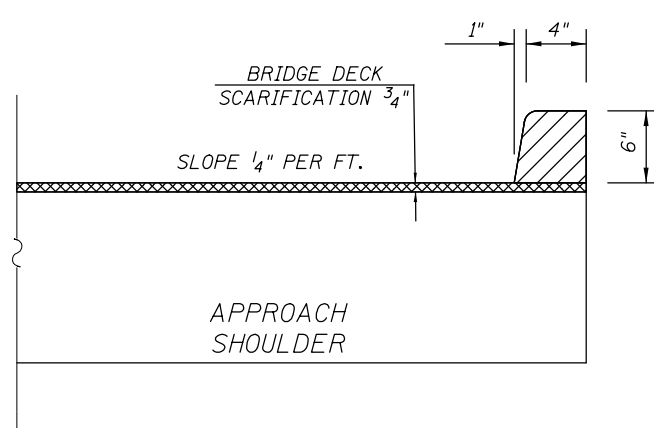
COST OF SAWED JOINT AND BRIDGE RELIEF JOINT SEALER INCLUDED WITH BRIDGE DECK LATEX CONCRETE OVERLAY 2 3/4".

SEE TRAFFIC BARRIER TERMINAL, TYPE 6 FOR MORE DETAILS OF CURB PLACEMENT.

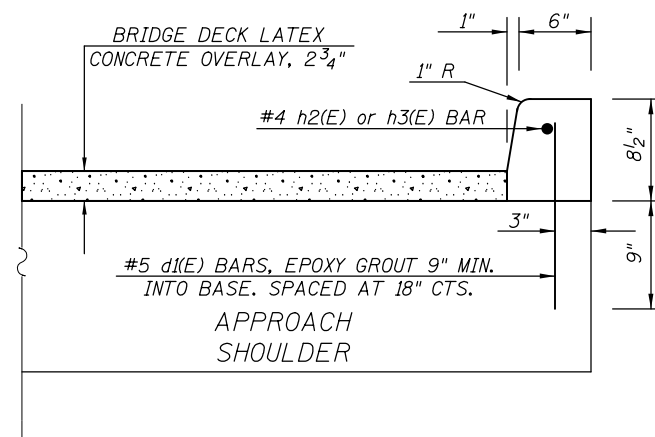
 BRIDGE DECK SCARIFICATION 3/4" & BRIDGE DECK LATEX CONCRETE OVERLAY 2 3/4" DIAMOND GRINDING (BRIDGE SECTION)

 CONCRETE REMOVAL ( CURB )

 CONCRETE SUPERSTRUCTURE ( CURB )



EXISTING SECTION B-B



PROPOSED SECTION B-B

### BILL OF MATERIALS

BAR	SHAPE	NO.	SIZE	LENGTH	UNIT	TOTAL	
d1(E)	—	36	#5	1'-4"	CU YD	0.2	
h2(E)	—	2	#4	13'-6"	CU YD	0.8	
h3(E)	—	2	#4	11'-0"	POUND	85.0	
ITEM						UNIT	TOTAL
CONCRETE REMOVAL						CU YD	0.2
CONCRETE SUPERSTRUCTURE						CU YD	0.8
REINFORCEMENT BARS, EPOXY COATED						POUND	85.0
BRIDGE DECK SCARIFICATION 3/4"						SQ YD	288.0
BRIDGE DECK LATEX CONCRETE OVERLAY, 2 3/4"						SQ YD	285.0
BRIDGE DECK GROOVING (LONGITUDINAL)						SQ YD	202.0
DIAMOND GRINDING (BRIDGE SECTION)						SQ YD	260.0
PROTECTIVE COAT						SQ YD	292.0

MODEL: S:\MODEL\MHFS  
 FILE: MHFS\_Plan.dwg  
 PLOT DATE: 12/2/2020  
 USER: shawleres  
 DESIGNED: ESS  
 DRAWN: TJB  
 CHECKED: TJB  
 DATE: 12/2/2020

USER NAME = shawleres	DESIGNED - ESS	REVISED -
PLOT SCALE = 40.0000 ' / in.	CHECKED - TJB	REVISED -
PLOT DATE = 12/2/2020	DATE -	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

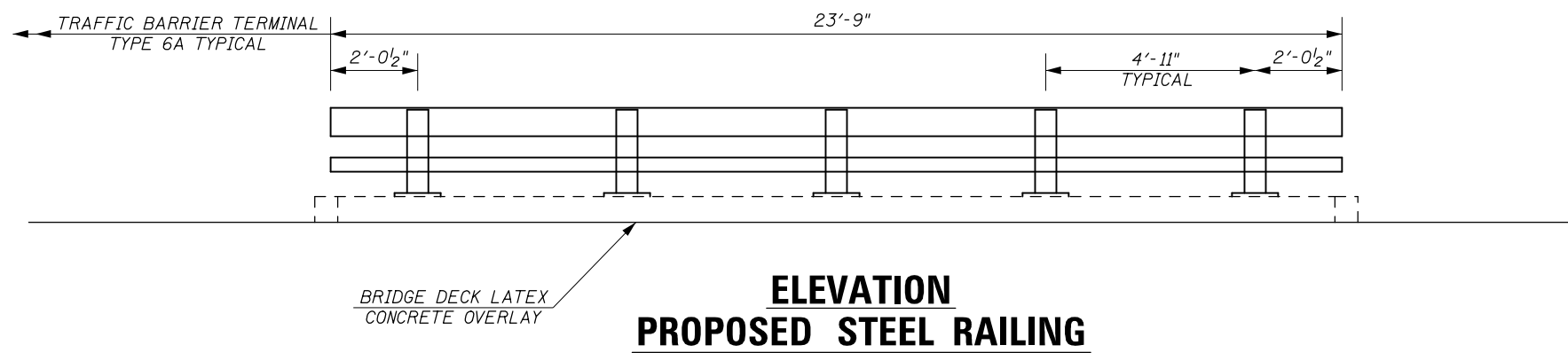
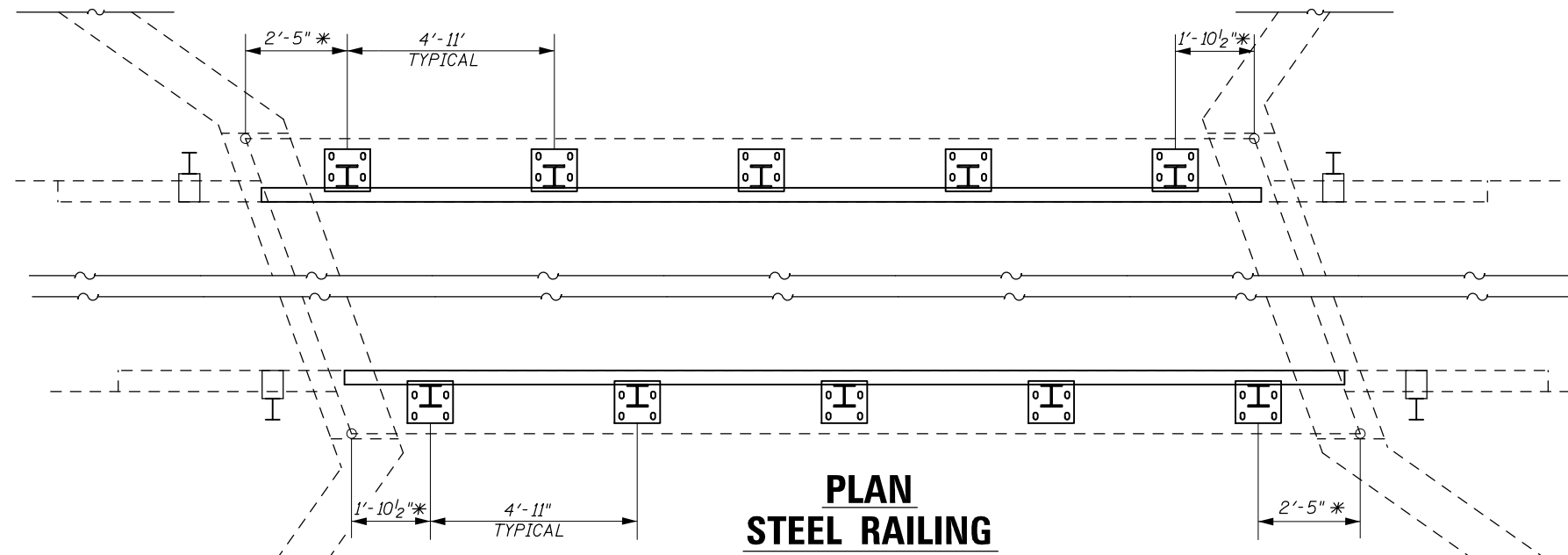
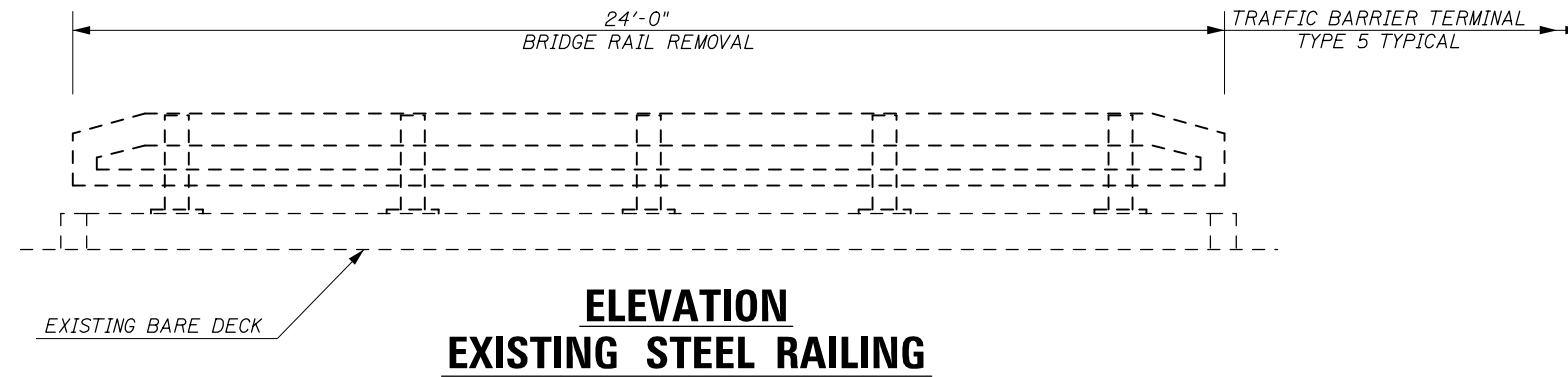
WEARING SURFACE PLAN  
S.N. 021-0026

SCALE: SHEET 4 OF 7 SHEETS STA. TO STA.

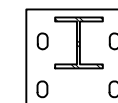
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
749	121BDR	DOUGLAS	62	24
CONTRACT NO. 70D96				
ILLINOIS FED. AID PROJECT				







**LEDGEND**



BASE PLATE



TRAFFIC BARRIER TERMINAL  
TYP 6A POST & BLOCKOUT

\*

CORNER OF DECK  
TO CENTER OF POST

**NOTE**

EXISTING STEEL BRIDGE RAIL TO BE REMOVED SIMILAR TO PROPOSED LAYOUT.

FOR ADDITIONAL DETAILS FOR STEEL RAILING SEE NEXT SHEET.

EXISTING ANCHOR BOLTS SHALL BE BURNED OR CUT FLUSH WITH CONCRETE SURFACE AND GROUND SMOOTH AND SEALED WITH EXPOXY. COST INCLUDED WITH BRIDGE RAIL REMOVAL.

NEW RAIL POSTS SHALL MISS EXISTING POST LOCATIONS.

**BILL OF MATERIALS**

ITEM	UNIT	TOTAL
BRIDGE RAIL REMOVAL	FOOT	48.0

MODEL: s:\MODEL\MHFS  
 FILE: MHFS\_Plan.rvt  
 PROJECT: 70D96  
 OFFICE: DOT  
 DATE: 12/1/2020

USER NAME = shawleres	DESIGNED - ESS	REVISED -
PLOT SCALE = 40.0000' / in.	DRAWN -	REVISED -
PLOT DATE = 12/1/2020	CHECKED - TJB	REVISED -
	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

<b>BRIDGE RAIL REMOVAL &amp; STEEL RAIL PLAN</b>			
<b>S.N. 021-0026</b>			
SCALE:	SHEET 6	OF 7 SHEETS	STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
749	121BDR	DOUGLAS	62	26
			CONTRACT NO. 70D96	
		ILLINOIS	FED. AID PROJECT	



# GENERAL PLAN & ELEVATION

## S.N. 021-0054

STRUCTURE NO. 021-0054 BUILT AS FAP 749, SEC. 121BR-3 IN 1990 AT STATION 386+83 BY THE STATE OF ILLINOIS IN DOUGLAS COUNTY. THE STRUCTURE IS A THREE -SPAN R.C. SLAB STRUCTURE BUILT ON OPEN ABUTMENTS SUPPORTED BY CONCRETE PILES. THE EXISTING STRUCTURE MEASURES 44'-6" FROM BACK TO BACK OF ABUTMENTS AND 35'-2" OUT TO OUT OF DECK. THE STRUCTURE HAS A CLEAR WIDTH OF 32'-0" FROM FACE TO FACE OF PARAPET. THE SUPERSTRUCTURE CONSISTS OF A 9" R.C. SLAB SUPPORTED BY TWO SPILL-THRU ABUTMENTS AND TWO COLUMN PIERS, ALL ON CONCRETE PILES. THE STRUCTURE HAS NO SKEW.

WORK SHALL BE COMPLETED WITH STAGE CONSTRUCTION.

### SCOPE OF WORK

1. COMPLETE BRIDGE DECK SCARIFICATION.
2. REMOVE AND REPLACE CURB.
3. BRIDGE DECK FULL DEPTH PATCHING AND REPLACE FLOOR DRAINS.
4. PLACE BRIDGE DECK LATEX CONCRETE OVERLAY, 2<sup>3</sup>/<sub>4</sub>".
5. COMPLETE MILLING TRANSITIONS AND HMA OVERLAY AT APPROACH ENDS.
6. COMPLETE DIAMOND GRINDING (BRIDGE SECTION).
7. COMPLETE BRIDGE DECK GROOVING.
8. REMOVE AND REPLACE TRAFFIC BARRIER TERMINALS AND GUARDRAIL.

### TOTAL BILL OF MATERIALS

ITEM	UNIT	TOTAL
CONCRETE REMOVAL	CU YD	0.3
CONCRETE SUPERSTRUCTURE	CU YD	0.9
BRIDGE DECK GROOVING (LONGITUDINAL)	SQ YD	221.0
PROTECTIVE COAT	SQ YD	296.0
REINFORCEMENT BARS, EPOXY COATED	POUND	120.0
BRIDGE DECK LATEX CONCRETE OVERLAY, 2 <sup>3</sup> / <sub>4</sub> "	SQ YD	289.0
BRIDGE DECK SCARIFICATION <sup>3</sup> / <sub>4</sub> "	SQ YD	292.0
DECK SLAB REPAIR (FULL-DEPTH, TYPE II)	SQ YD	3.6
DIAMOND GRINDING (BRIDGE SECTION)	SQ YD	257.0
FLOOR DRAIN	EACH	6.0

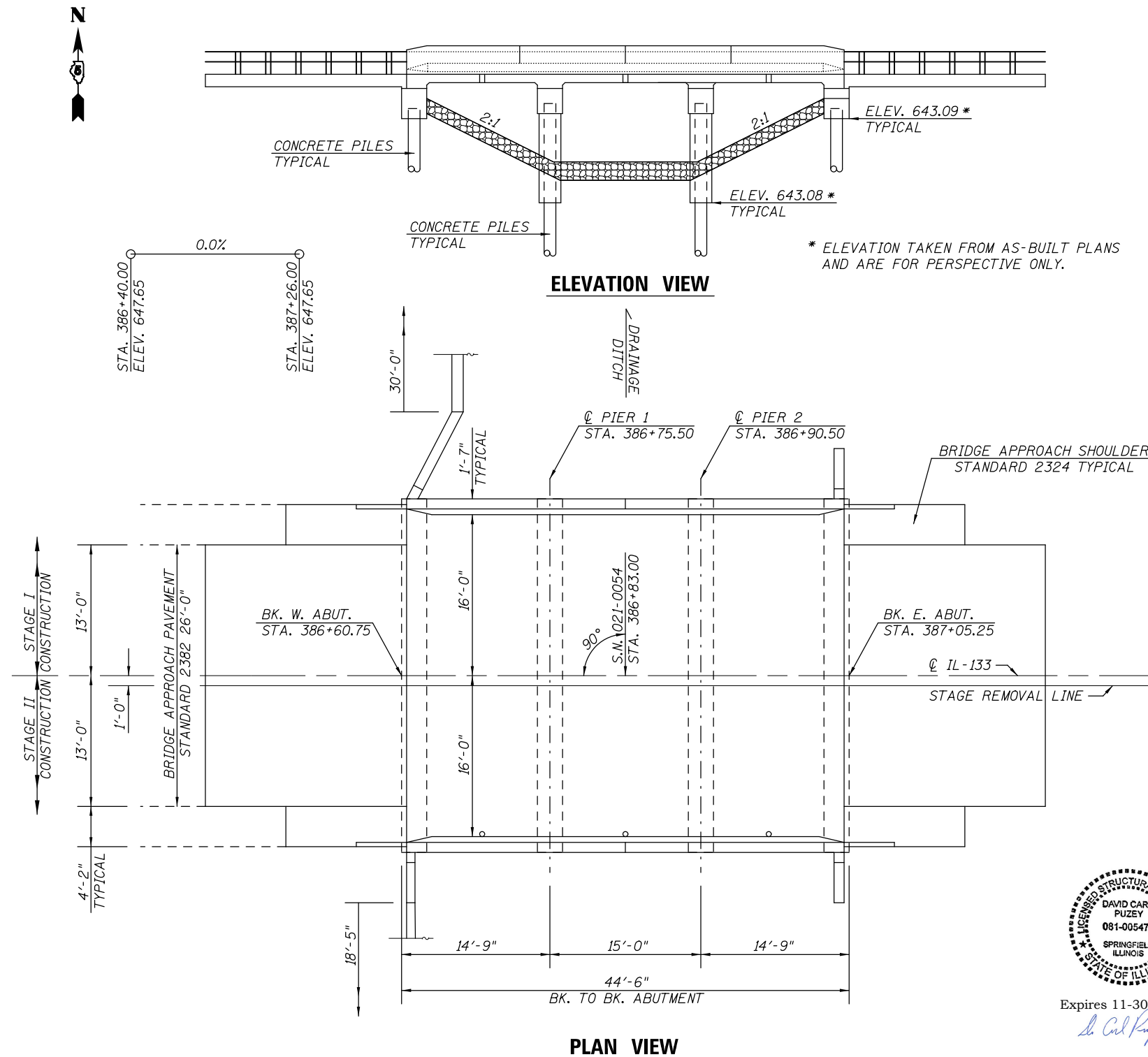
### GENERAL NOTES

PLAN DIMENSIONS AND DETAILS RELATIVE TO THE 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 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.

SEE SPECIAL PROVISIONS "DECK SLAB REPAIR" FOR ADDITIONAL REQUIREMENTS PERTAINING TO DECK SLAB REPAIR.

SEE SHEET NO. 57 FOR PARAPET WALL EXTENTION DETAIL TO ATTACH TRAFFIC BARRIER TERMINAL, TYPE 6.



\* ELEVATION TAKEN FROM AS-BUILT PLANS AND ARE FOR PERSPECTIVE ONLY.



Expires 11-30-2022

*David Carl Puzey*

12-2-2020

MODEL: S:\MODEL\MHFE  
 FILE: MHFE.dwg  
 PROJECT: 021-0054  
 DRAWING: GENERAL PLAN & ELEVATION  
 SHEET: 62 OF 28  
 DATE: 11/25/2020

USER NAME = shawleres	DESIGNED - ESS	REVISED -
PLOT SCALE = 40.0000' / in.	CHECKED - TJB	REVISED -
PLOT DATE = 11/25/2020	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**GENERAL PLAN & ELEVATION  
S.N. 021-0054**

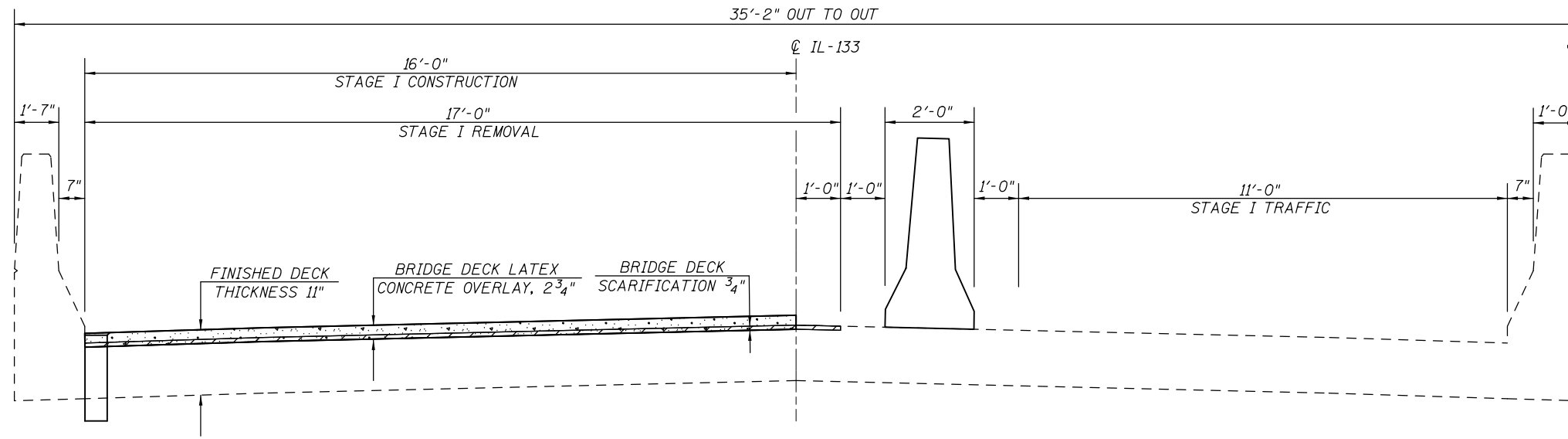
SCALE: SHEET 1 OF 5 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
749	121BDR	DOUGLAS	62	28
CONTRACT NO. 70D96				
ILLINOIS FED. AID PROJECT				



# STAGE I CONSTRUCTION DETAIL

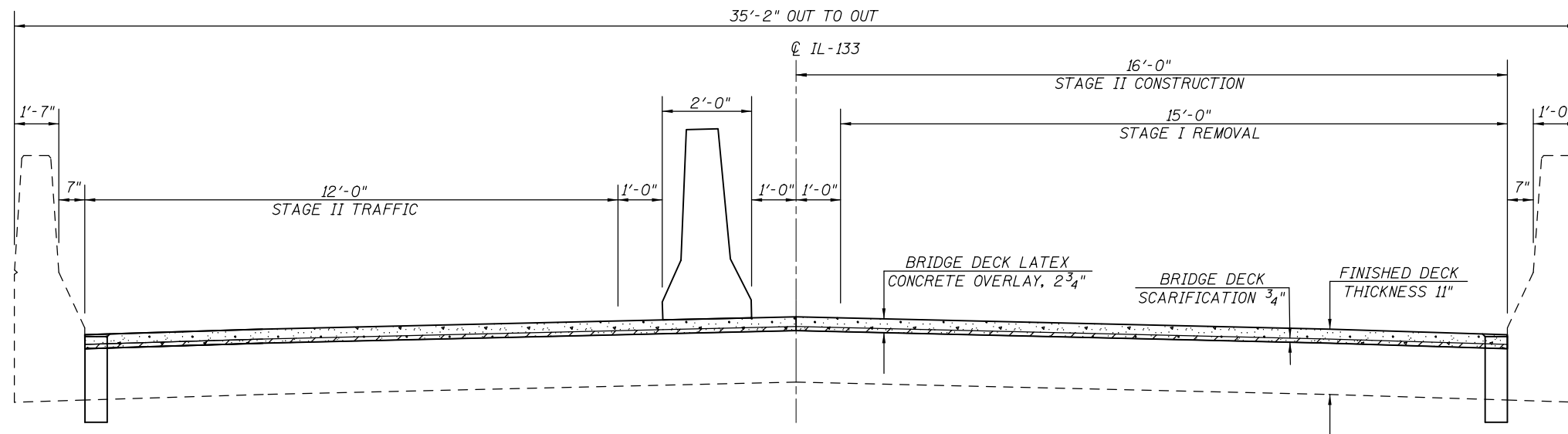
S.N. 021-0054



LOOKING EAST

# STAGE II CONSTRUCTION DETAIL

S.N. 021-0054



LOOKING EAST

MODEL: \\MODEL\MAT\...  
 FILE: \\MAT\...

USER NAME = shawleres	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 40.0000' / in.	CHECKED -	REVISED -
PLOT DATE = 11/25/2020	DATE -	REVISED -

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

STAGE CONSTRUCTION CROSS SECTION  
 S.N. 021-0054

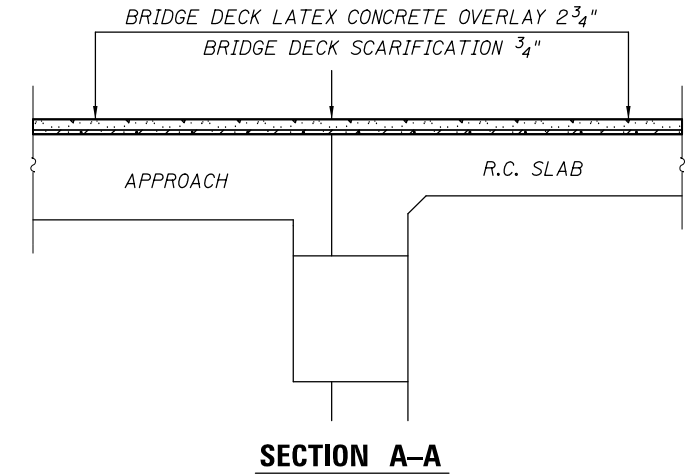
SCALE: SHEET 3 OF 5 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
749	121BDR	DOUGLAS	62	30
CONTRACT NO. 70D96				
ILLINOIS FED. AID PROJECT				

# WEARING SURFACE PLAN

## S.N. 021-0054

1/4" X 3/4" SAWED JOINT WITH BRIDGE RELIEF JOINT SEALER (FULL WIDTH). SEE SPEC. BOOK SECTION 588



**NOTE:**

\* EPOXY GROUT BARS 9" MIN. HOLES ACCORDING TO ARTICLE 584 OF THE STANDARD SPECIFICATIONS.

THE COST OF EPOXY GROUTING BARS SHALL BE INCLUDED WITH REINFORCEMENT BARS (EPOXY COATED).

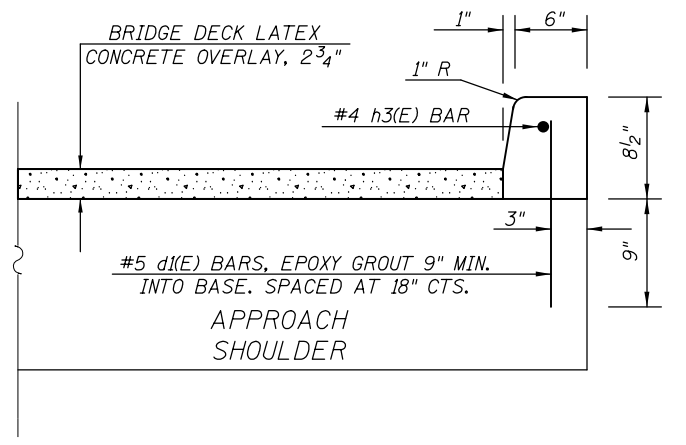
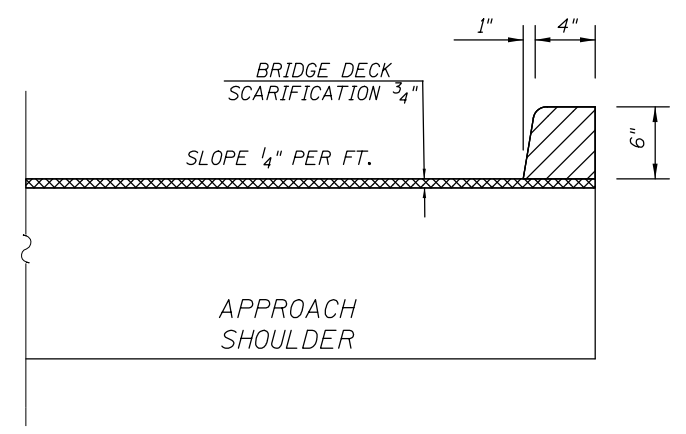
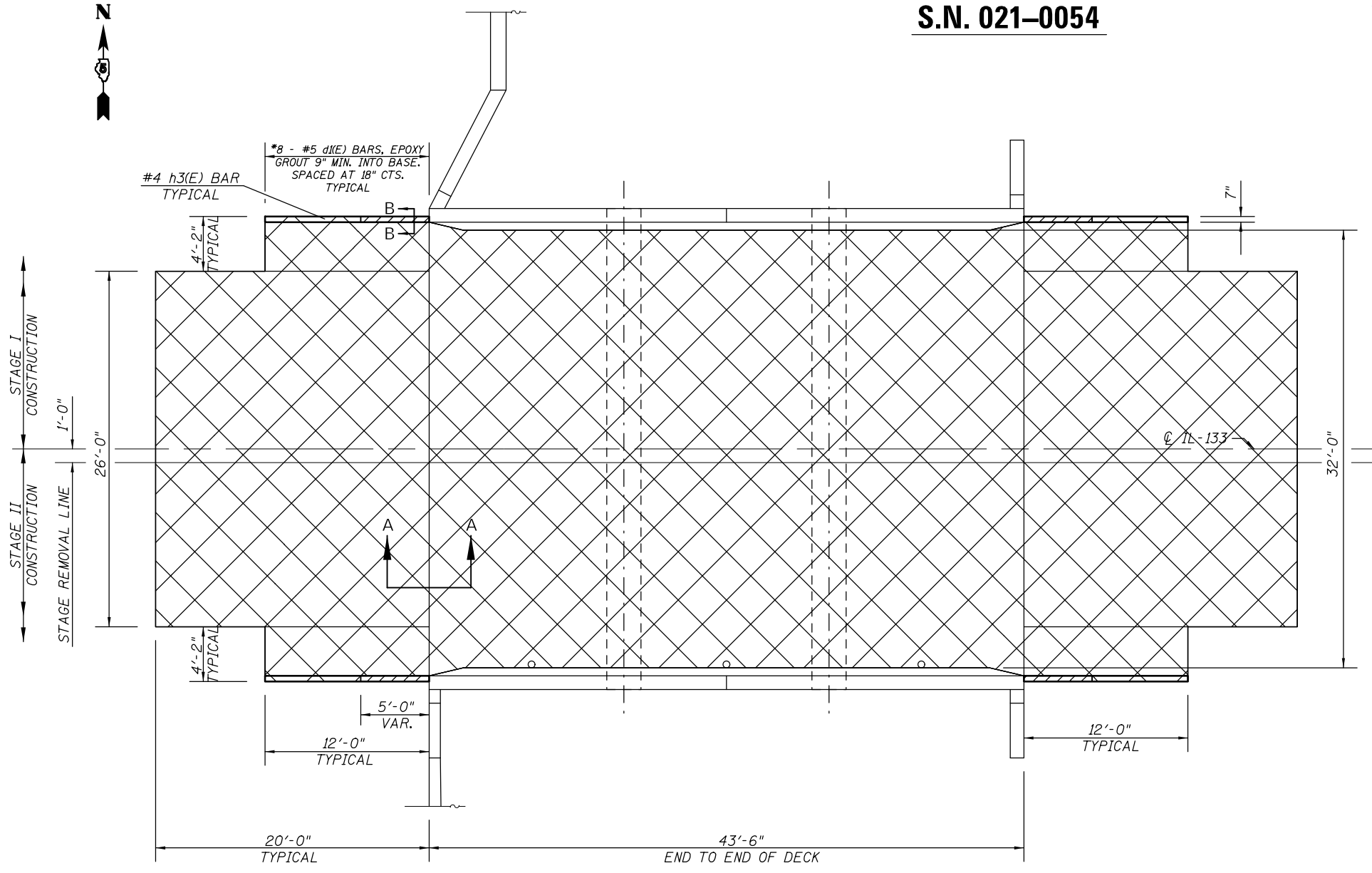
REINFORCEMENT BARS DESIGNATED (E) SHALL BE EPOXY COATED.

COST OF SAWED JOINT AND BRIDGE RELIEF JOINT SEALER INCLUDED WITH BRIDGE DECK LATEX CONCRETE OVERLAY 2 3/4".

SEE TRAFFIC BARRIER TERMINAL, TYPE 6 FOR MORE DETAILS OF CURB PLACEMENT.

- BRIDGE DECK SCARIFICATION 3/4" & BRIDGE DECK LATEX CONCRETE OVERLAY 2 3/4" DIAMOND GRINDING (BRIDGE SECTION)
- CONCRETE REMOVAL ( CURB )
- CONCRETE SUPERSTRUCTURE ( CURB )

BILL OF MATERIALS				
BAR	SHAPE	NO.	SIZE	LENGTH
d1(E)	—	32	#5	1'-4"
h3(E)	—	4	#4	11'-0"
ITEM		UNIT	TOTAL	
CONCRETE REMOVAL		CU YD	0.3	
CONCRETE SUPERSTRUCTURE		CU YD	0.9	
REINFORCEMENT BARS, EPOXY COATED		POUND	120.0	
BRIDGE DECK SCARIFICATION 3/4"		SQ YD	292.0	
BRIDGE DECK LATEX CONCRETE OVERLAY, 2 3/4"		SQ YD	289.0	
BRIDGE DECK GROOVING (LONGITUDINAL)		SQ YD	221.0	
DIAMOND GRINDING (BRIDGE SECTION)		SQ YD	257.0	
PROTECTIVE COAT		SQ YD	296.0	



USER NAME = shawleres	DESIGNED - ESS	REVISED -
PLOT SCALE = 40.0000 ' / in.	CHECKED - TJB	REVISED -
PLOT DATE = 12/2/2020	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**WEARING SURFACE PLAN  
S.N. 021-0054**

SCALE: SHEET 4 OF 5 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
749	121BDR	DOUGLAS	62	31
CONTRACT NO. 70D96				
ILLINOIS FED. AID PROJECT				

MODEL: \\MODEL\MHFS... FILE: \\MHFS... PROJECT: 0570D96\CADD\DATA\CAD\PROJECTS\0570D96\_Sht\_Surface\_Overlay.dwg





# GENERAL PLAN & ELEVATION

## S.N. 021-0056

STRUCTURE NO. 021-0056 BUILT AS FAP 749, SEC. 121BR-4 IN 1990 AT STATION 409+50 BY THE STATE OF ILLINOIS IN DOUGLAS COUNTY. THE STRUCTURE IS A SINGLE -SPAN R.C. SLAB STRUCTURE BUILT ON ABUTMENTS SUPPORTED BY CONCRETE PILES. THE EXISTING STRUCTURE MEASURES 31'-0" FROM BACK TO BACK OF ABUTMENTS AND 35'-0" OUT TO OUT OF DECK. THE STRUCTURE HAS A CLEAR WIDTH OF 32'-0" FROM FACE TO FACE OF PARAPET. THE SUPERSTRUCTURE CONSISTS OF A 15" R.C. SLAB SUPPORTED BY TWO SPILL-THRU ABUTMENTS ON CONCRETE PILES. THE STRUCTURE HAS NO SKEW. THE FLOOR TO THE PRIOR BOX CULVERT WAS LEFT IN PLACE.

WORK SHALL BE COMPLETED WITH STAGE CONSTRUCTION.

### SCOPE OF WORK

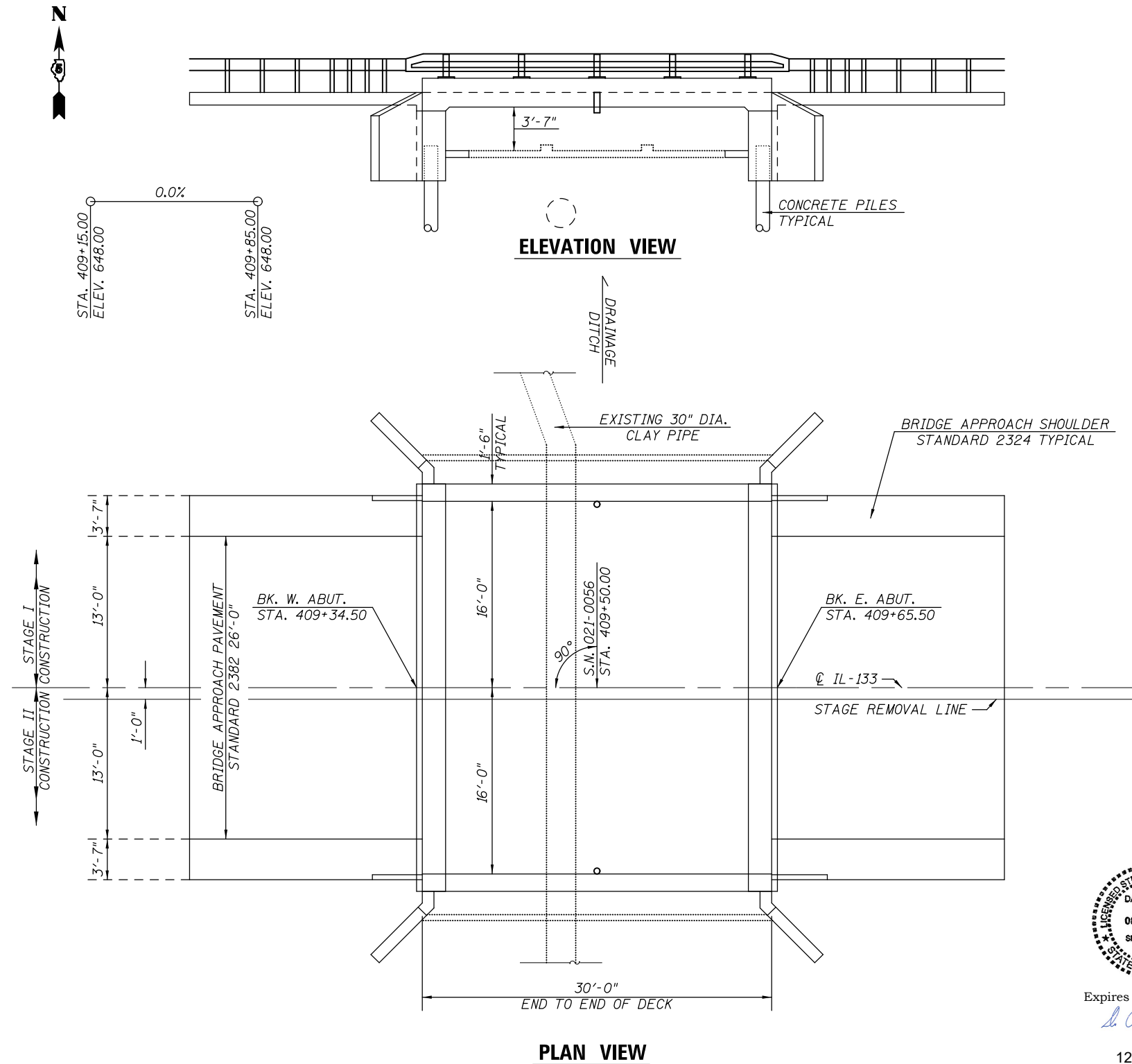
1. COMPLETE BRIDGE DECK SCARIFICATION.
2. REMOVE AND REPLACE CURB.
3. PLACE BRIDGE DECK LATEX CONCRETE OVERLAY, 2<sup>3</sup>/<sub>4</sub>".
4. REMOVE AND REPLACE STEEL BRIDGE RAIL.
5. COMPLETE MILLING TRANSITIONS AND HMA OVERLAY AT APPROACH ENDS.
6. COMPLETE DIAMOND GRINDING (BRIDGE SECTION).
7. COMPLETE BRIDGE DECK GROOVING.
8. REMOVE AND REPLACE TRAFFIC BARRIER TERMINALS AND GUARDRAIL.

### TOTAL BILL OF MATERIALS

ITEM	UNIT	TOTAL
CONCRETE REMOVAL	CU YD	0.2
CONCRETE SUPERSTRUCTURE	CU YD	1.2
BRIDGE DECK GROOVING (LONGITUDINAL)	SQ YD	192.0
PROTECTIVE COAT	SQ YD	256.0
REINFORCEMENT BARS, EPOXY COATED	POUND	125.0
BRIDGE DECK LATEX CONCRETE OVERLAY, 2 <sup>3</sup> / <sub>4</sub> "	SQ YD	249.0
BRIDGE DECK SCARIFICATION <sup>3</sup> / <sub>4</sub> "	SQ YD	254.0
DIAMOND GRINDING (BRIDGE SECTION)	SQ YD	218.0
BRIDGE RAIL REMOVAL	FOOT	66.0
STEEL RAILING, TYPE 2399	FOOT	63.0

### GENERAL NOTES

PLAN DIMENSIONS AND DETAILS RELATIVE TO THE 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 SCOPE OF WORK, HOWEVER, THE CONTRACTOR WILL BE PAID FOR THE QUANTITY ACTUALLY FURNISHED AT THE UNIT PRICE BID FOR THE WORK.



Expires 11-30-2022

*David Carl Puzey*

12-2-2020

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**GENERAL PLAN & ELEVATION  
S.N. 021-0056**

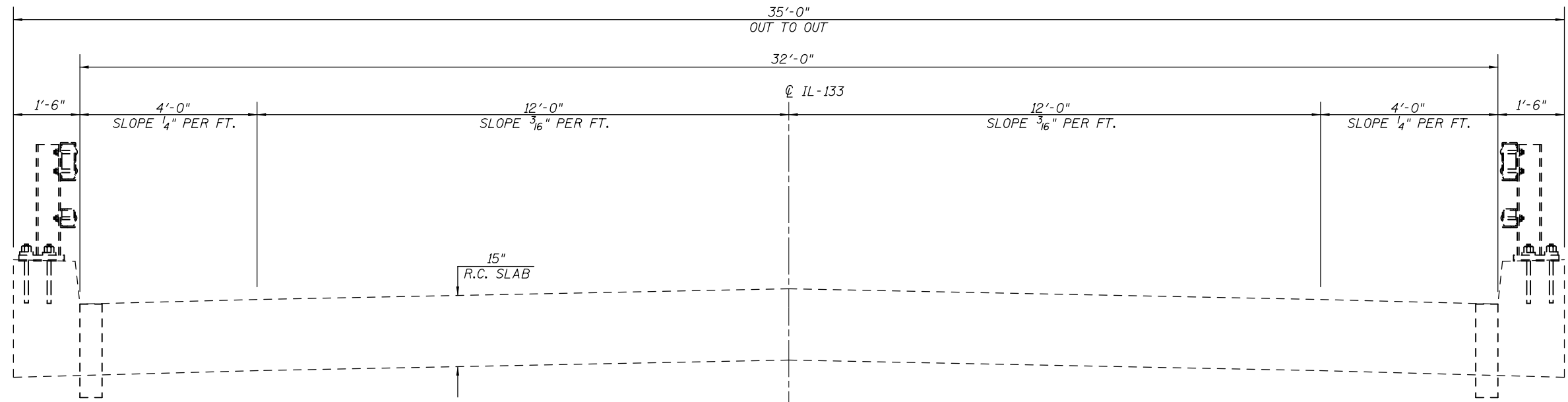
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
749	121BDR	DOUGLAS	62	33
CONTRACT NO. 70D96				

SCALE: SHEET 1 OF 6 SHEETS STA. TO STA.

ILLINOIS FED. AID PROJECT

## EXISTING DECK CROSS SECTION

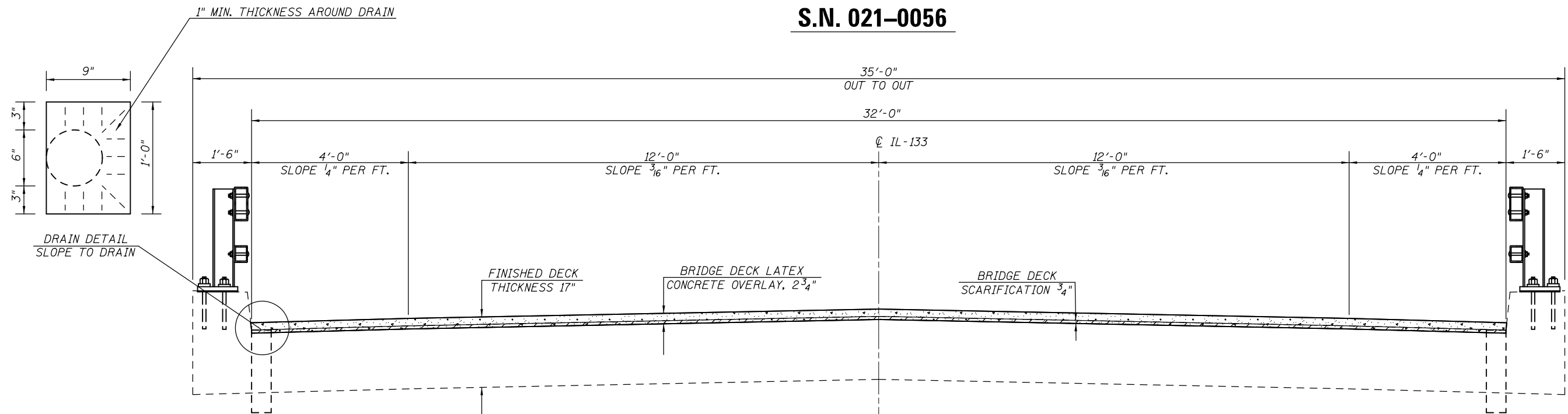
**S.N. 021-0056**



**LOOKING EAST**

## PROPOSED DECK CROSS SECTION

**S.N. 021-0056**



**LOOKING EAST**

MODEL: S:\MODEL\MAR15... FILE: MAR15... PROJECT: S:\PROJECTS\021-0056\CADD\CADD\CADD\021-0056\_SHT\_SURFACE\_OVERLAY.dgn

USER NAME = shawleres	DESIGNED -	REVISED -
PLOT SCALE = 40,0000 ' / in.	DRAWN -	REVISED -
PLOT DATE = 11/25/2020	CHECKED -	REVISED -
	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

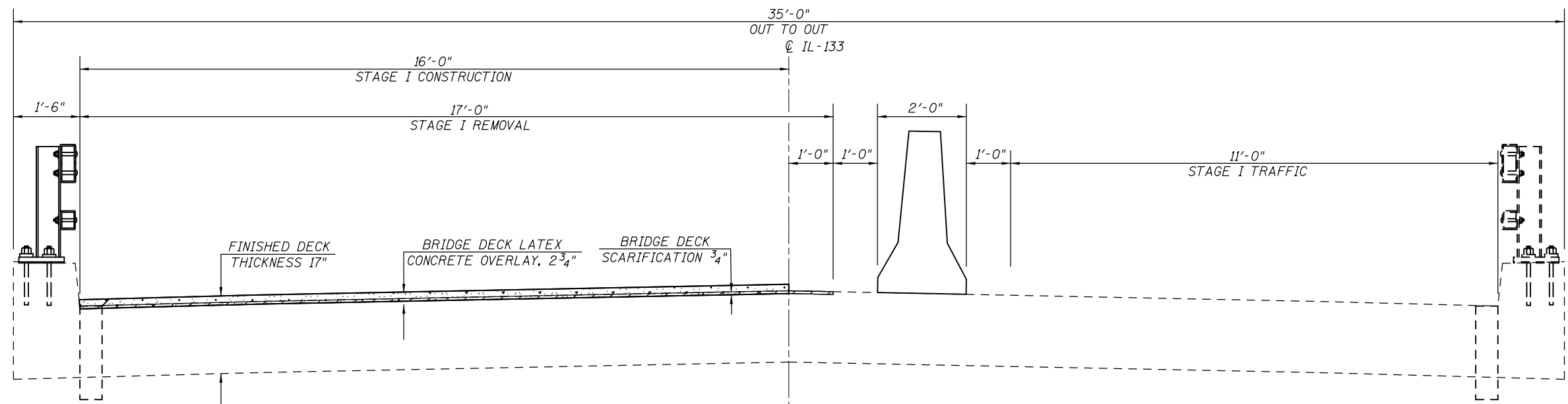
**BRIDGE DECK CROSS SECTION  
S.N. 021-0056**

SCALE: SHEET 2 OF 6 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
749	121BDR	DOUGLAS	62	34
CONTRACT NO. 70D96				
ILLINOIS FED. AID PROJECT				

### STAGE I CONSTRUCTION DETAIL

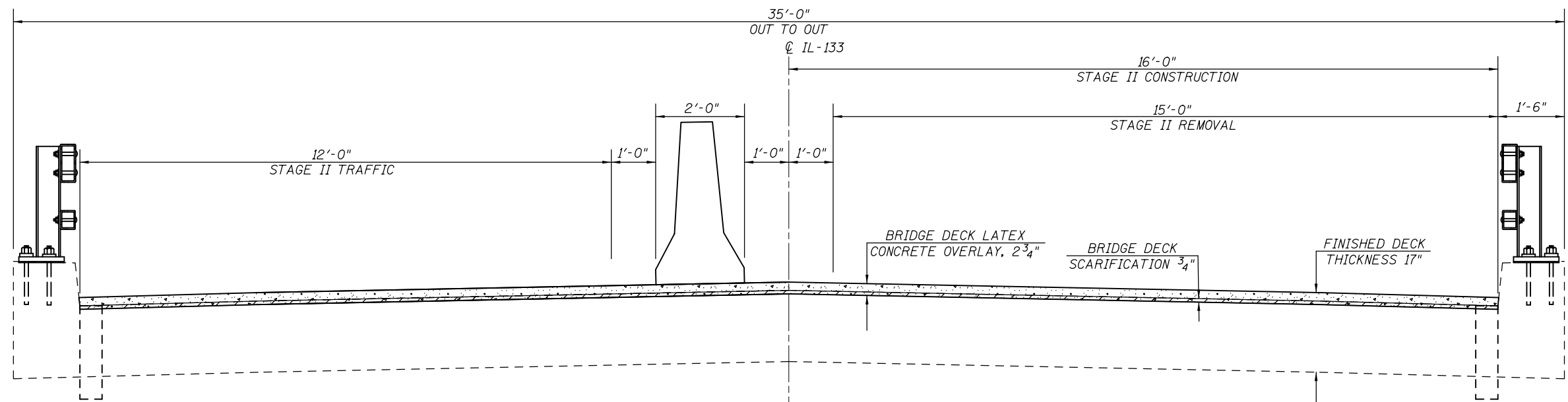
S.N. 021-0056



LOOKING EAST

### STAGE II CONSTRUCTION DETAIL

S.N. 021-0056



LOOKING EAST

MODEL: STAGE I CONSTRUCTION DETAIL  
FILE: I:\Projects\021-0056\021-0056-01\Drawings\DOT\021-0056-01-01\021-0056-01-01-01\021-0056-01-01-01-01.dwg

USER NAME = shawleres	DESIGNED -	REVISED -
PLOT SCALE = 40.0000' / in.	DRAWN -	REVISED -
PLOT DATE = 9/16/2020	CHECKED -	REVISED -
	DATE -	REVISED -

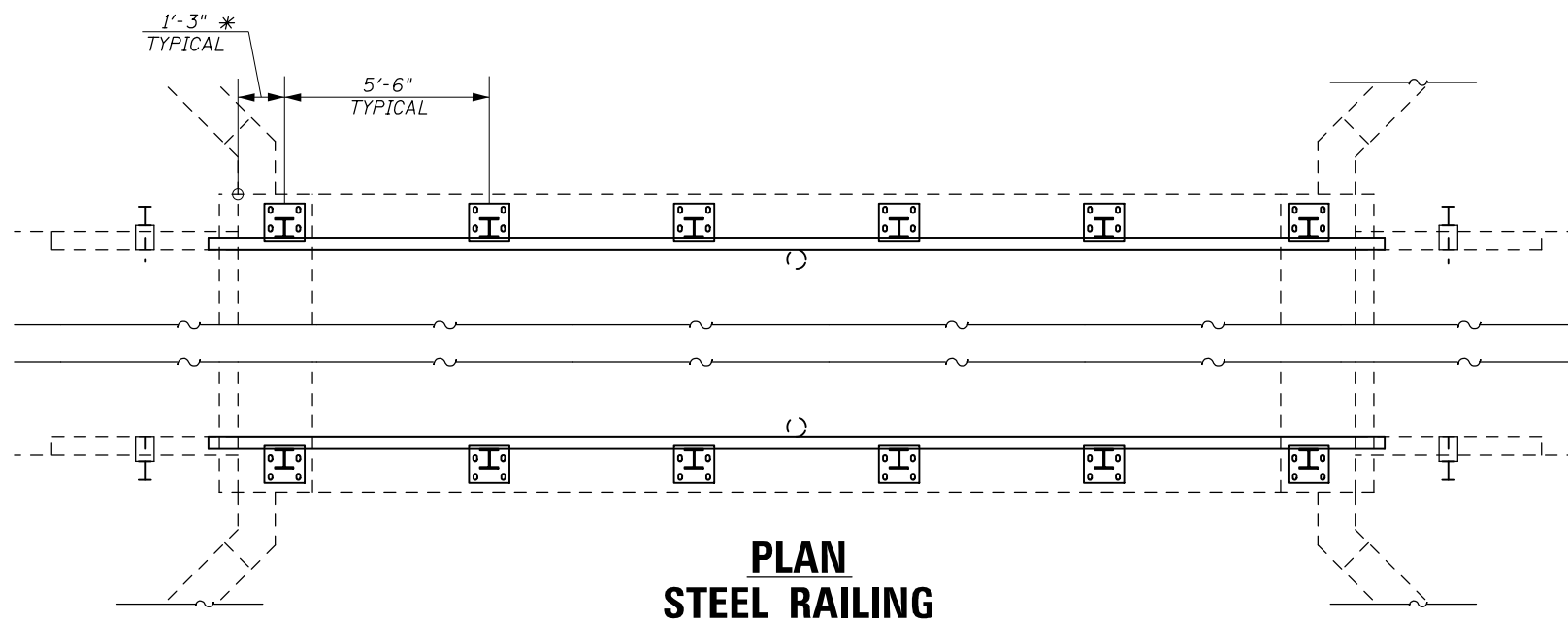
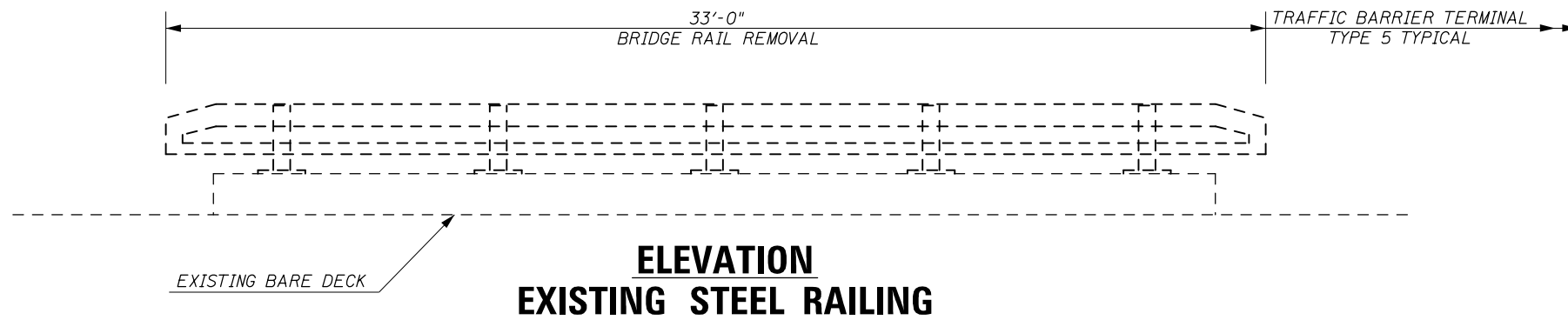
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

STAGE CONSTRUCTION CROSS SECTION  
S.N. 021-0056

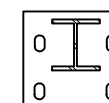
SCALE: SHEET 3 OF 6 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
749	121BDR	DOUGLAS	62	35
ILLINOIS FED. AID PROJECT			CONTRACT NO. 70D96	





**LEDGEND**



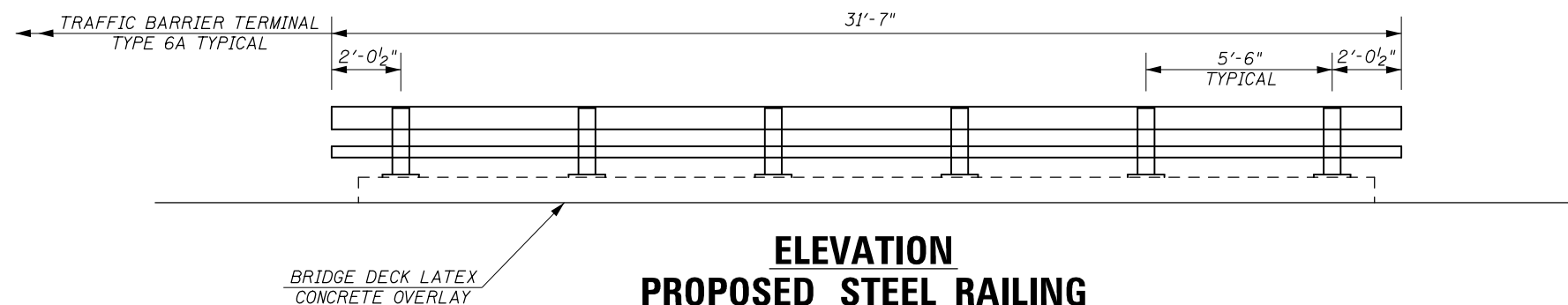
BASE PLATE



TRAFFIC BARRIER TERMINAL  
TYP 6A POST & BLOCKOUT

\*

CORNER OF DECK  
TO CENTER OF POST



**NOTE**

EXISTING STEEL BRIDGE RAIL TO BE REMOVED SIMILAR TO PROPOSED LAYOUT.

FOR ADDITIONAL DETAILS FOR STEEL RAILING SEE NEXT SHEET.

EXISTING ANCHOR BOLTS SHALL BE BURNED OR CUT FLUSH WITH CONCRETE SURFACE AND GROUND SMOOTH AND SEALED WITH EXPOXY. COST INCLUDED WITH BRIDGE RAIL REMOVAL.

NEW RAIL POSTS SHALL MISS EXISTING POST LOCATIONS.

**BILL OF MATERIALS**

ITEM	UNIT	TOTAL
BRIDGE RAIL REMOVAL	FOOT	66.0

MODEL: s:\MODEL\MAR15  
 FILE: MAR15 - Plan\Bridges\70D96\DOT\Documents\DOT - Office\Drawings\Project\0570D96\CADD\DATA\CAD\Sheet\0570D96\_sht\_railing\_elevby.dgn

USER NAME = shawleres	DESIGNED - ESS	REVISED -
PLOT SCALE = 40.0000 ' / in.	CHECKED - TJB	REVISED -
PLOT DATE = 12/1/2020	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**BRIDGE RAIL REMOVAL & STEEL RAIL PLAN  
S.N. 021-0056**

SCALE: SHEET 5 OF 6 SHEETS STA. TO STA.

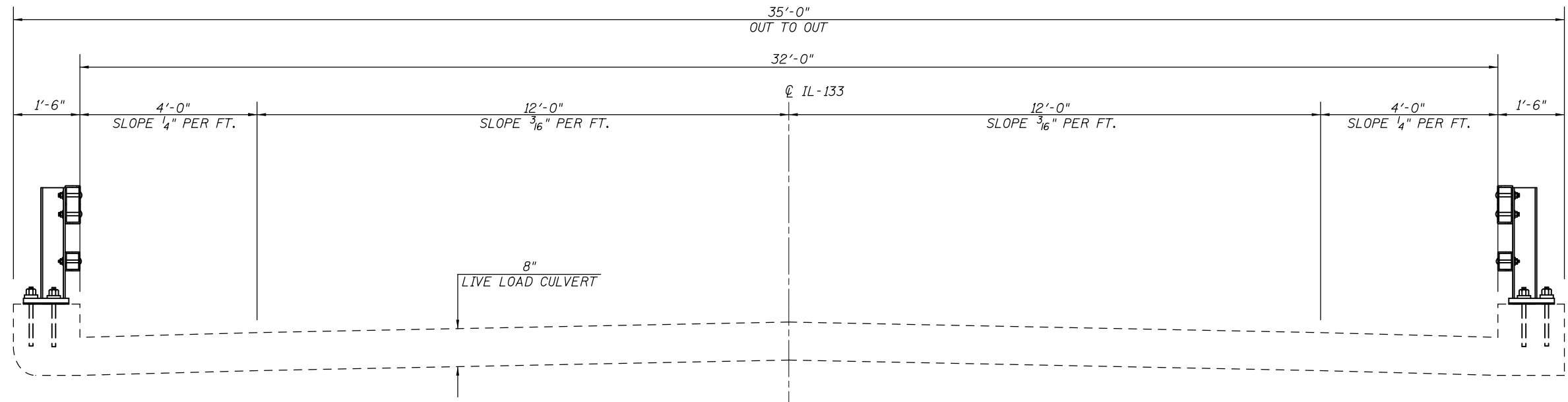
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
749	121BDR	DOUGLAS	62	37
			CONTRACT NO. 70D96	
ILLINOIS FED. AID PROJECT				





## EXISTING DECK CROSS SECTION

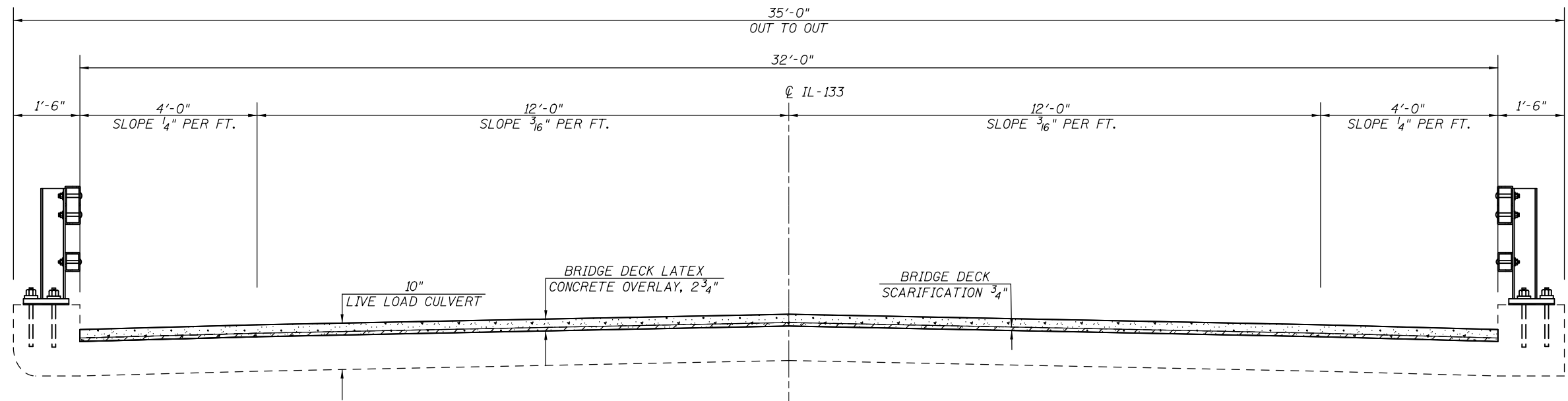
**S.N. 021-2020**



**LOOKING EAST**

## PROPOSED DECK CROSS SECTION

**S.N. 021-2020**



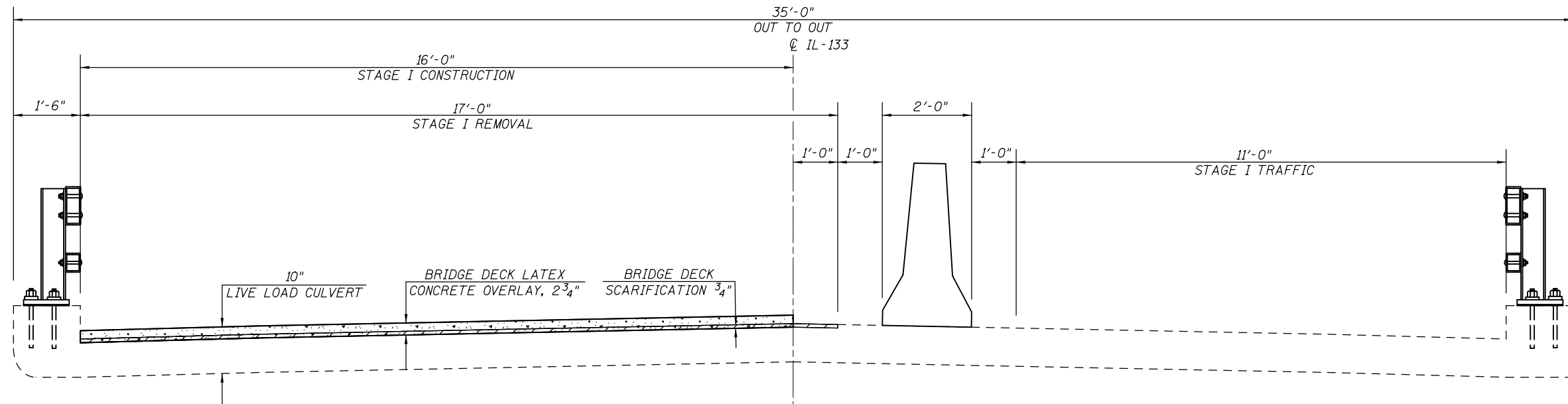
**LOOKING EAST**

MODEL: I:\MODEL\MATF  
 FILE: MATF.dwg  
 PLOT DATE: 9/16/2020  
 PLOT SCALE: 40.0000 \* / in.  
 USER NAME: shawleres  
 DESIGNED: -  
 DRAWN: -  
 CHECKED: -  
 DATE: -  
 REVISED: -  
 REVISED: -  
 REVISED: -  
 REVISED: -  
 STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION  
 BRIDGE DECK CROSS SECTION  
 S.N. 021-2020  
 SCALE: SHEET 2 OF 6 SHEETS STA. TO STA.  
 F.A.P. RTE. 749 SECTION 121BDR COUNTY DOUGLAS TOTAL SHEETS 62 SHEET NO. 40  
 CONTRACT NO. 70D96  
 ILLINOIS FED. AID PROJECT



## STAGE I CONSTRUCTION DETAIL

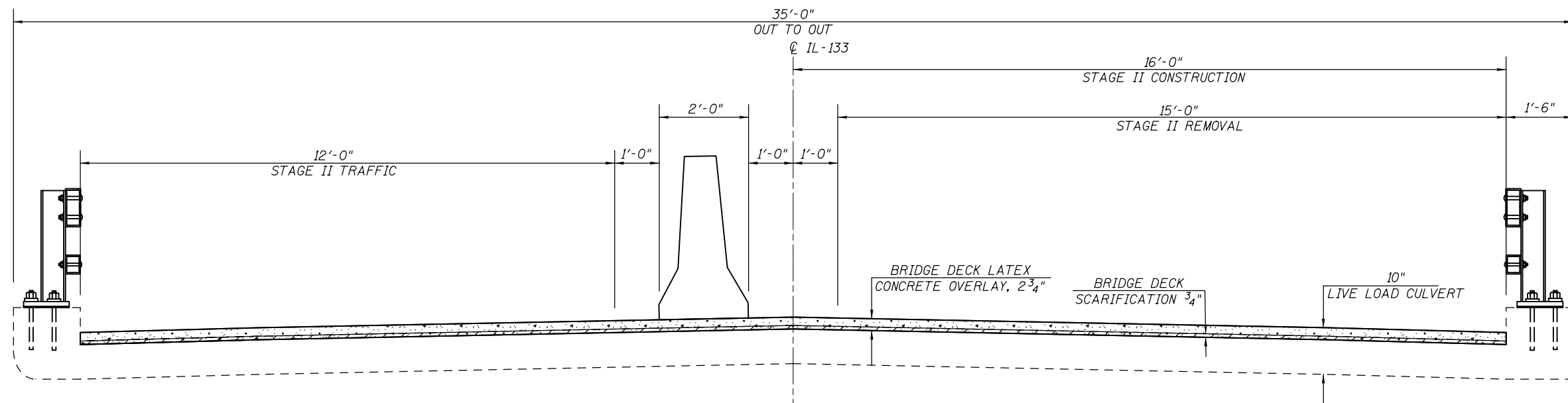
S.N. 021-2020



LOOKING EAST

## STAGE II CONSTRUCTION DETAIL

S.N. 021-2020



LOOKING EAST

MODEL: \\MODEL\MARF5  
 FILE: \\MARF5\_Plan\Bldg\comad\dat\illinois\pwr\DOT\Documents\DOT\_Offices\Illin\ct 5\Projects\021-2020\CADD\021-2020\021-2020\_Sht\_Surface\_Overby.dgn

USER NAME = shawleres	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 40.0000' / in.	CHECKED -	REVISED -
PLOT DATE = 9/16/2020	DATE -	REVISED -

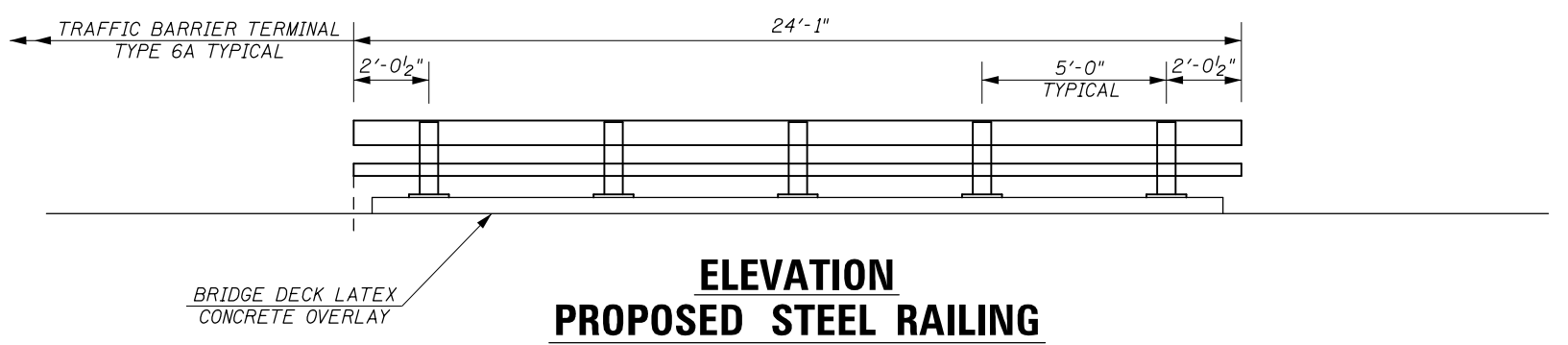
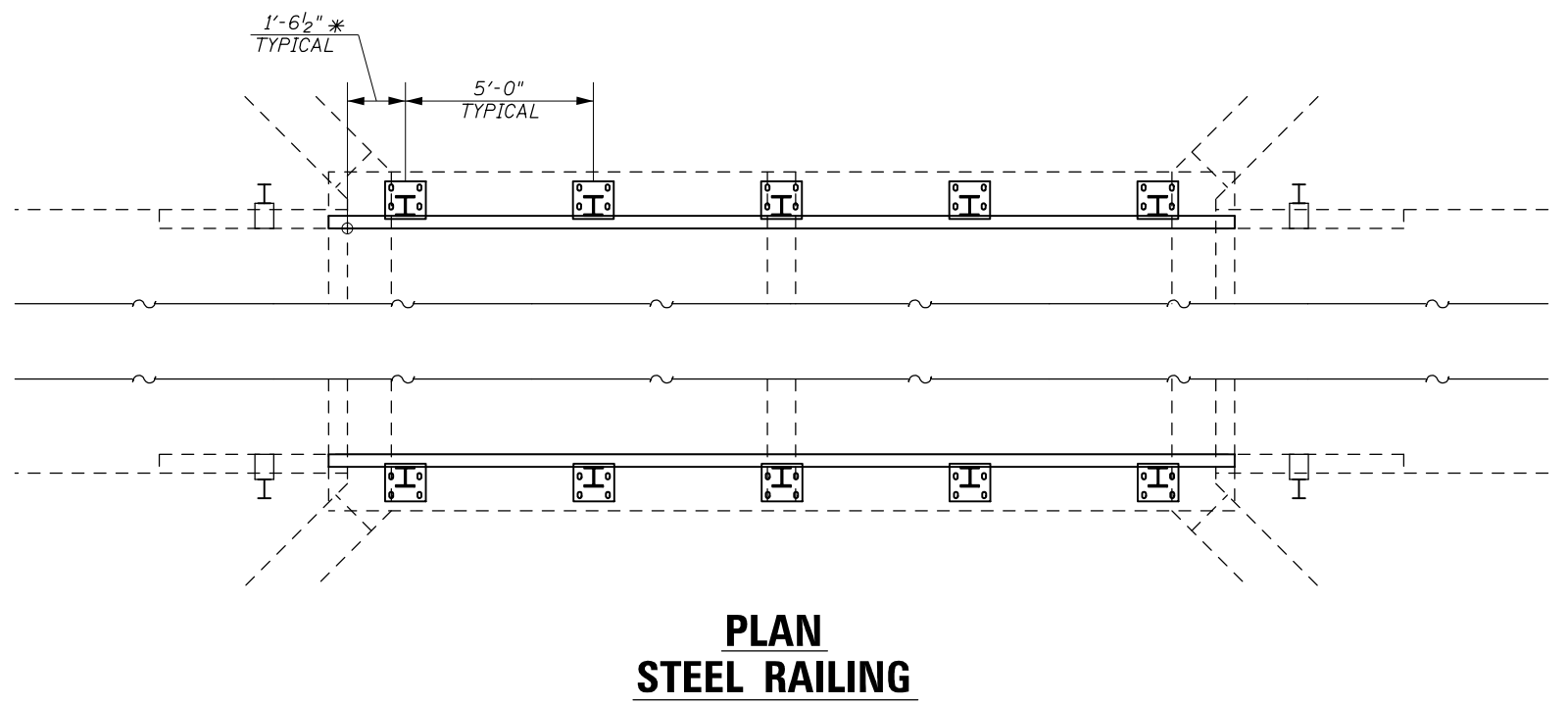
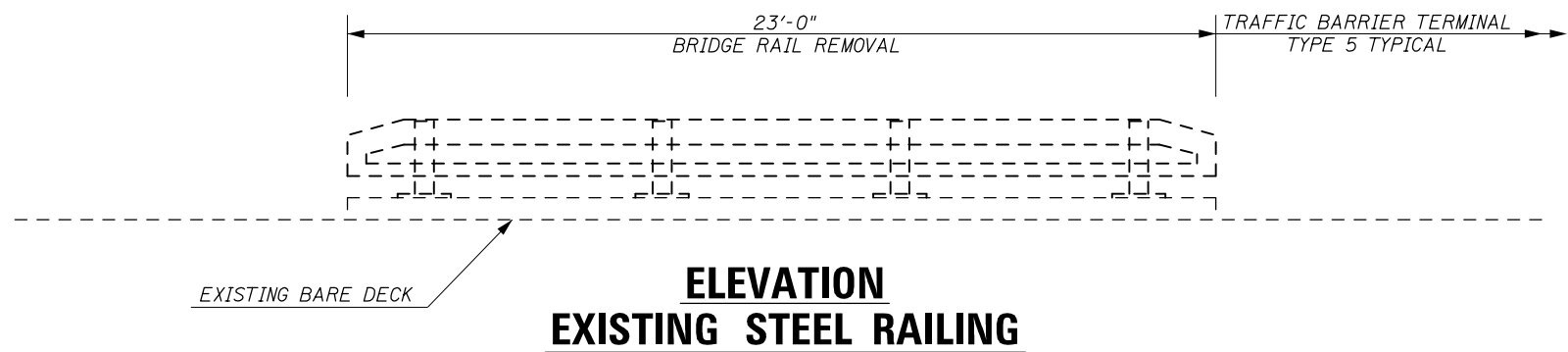
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

STAGE CONSTRUCTION CROSS SECTION  
S.N. 021-2020

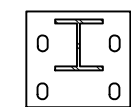
SCALE: SHEET 3 OF 6 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
749	121BDR	DOUGLAS	62	41
			CONTRACT NO. 70D96	
ILLINOIS FED. AID PROJECT				

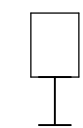




**LEDGEND**



BASE PLATE



TRAFFIC BARRIER TERMINAL  
TYP 6A POST & BLOCKOUT

\*

CORNER OF DECK  
TO CENTER OF POST

**NOTE**

EXISTING STEEL BRIDGE RAIL TO BE REMOVED SIMILAR TO PROPOSED LAYOUT.

FOR ADDITIONAL DETAILS FOR STEEL RAILING SEE NEXT SHEET.

EXISTING ANCHOR BOLTS SHALL BE BURNED OR CUT FLUSH WITH CONCRETE SURFACE AND GROUND SMOOTH AND SEALED WITH EXPOXY. COST INCLUDED WITH BRIDGE RAIL REMOVAL.

NEW RAIL POSTS SHALL MISS EXISTING POST LOCATIONS.

**BILL OF MATERIALS**

ITEM	UNIT	TOTAL
BRIDGE RAIL REMOVAL	FOOT	46.0

MODEL: s:\MODEL\MAR15  
 FILE: MAR15\_Plan\Bridges\70D96\DOT\Documents\DOT\_Offices\Drawings\Project\0570D96\CADD\0570D96\_Sht\_Surface\_Overlays.dgn

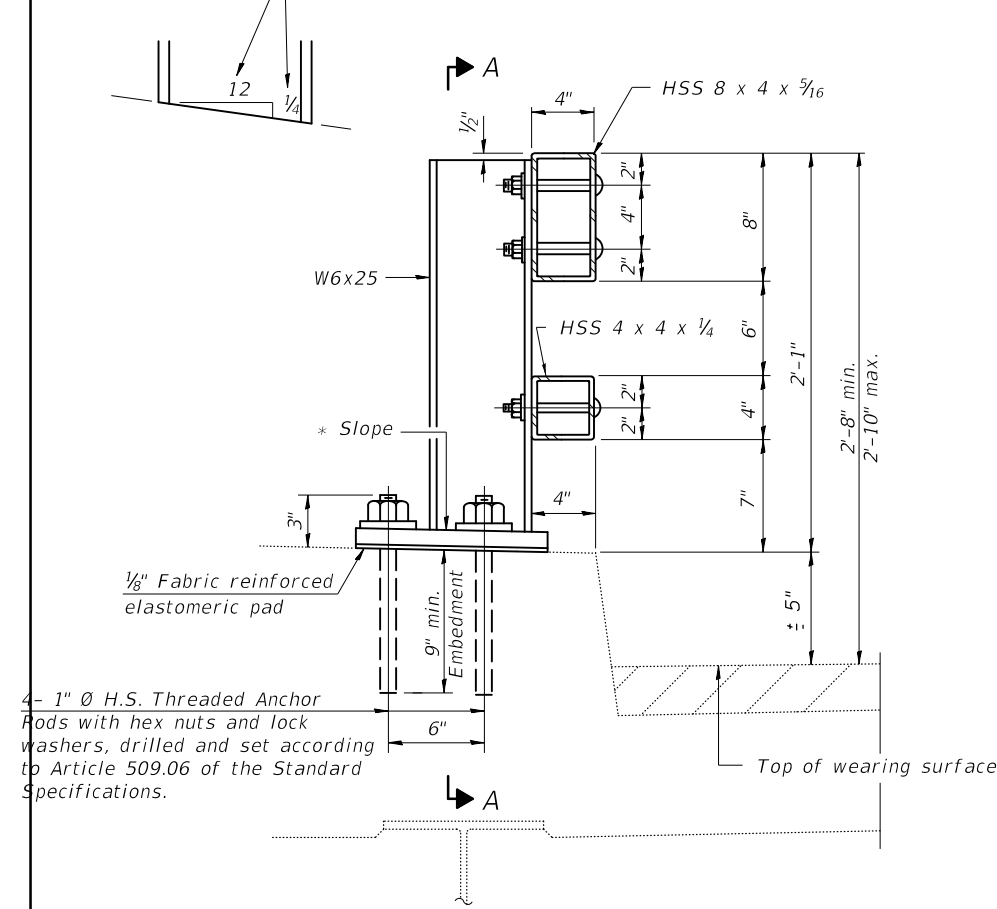
USER NAME = shawleres	DESIGNED - ESS	REVISED -
PLOT SCALE = 40.0000 ' / in.	DRAWN -	REVISED -
PLOT DATE = 12/1/2020	CHECKED - TJB	REVISED -
	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

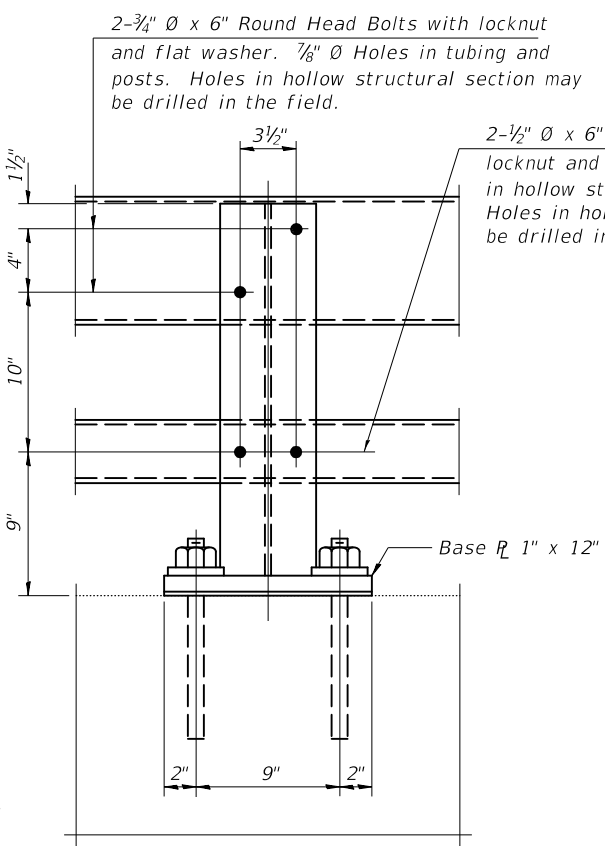
<b>BRIDGE RAIL REMOVAL &amp; STEEL RAIL PLAN</b>			
<b>S.N. 021-2020</b>			
SCALE:	SHEET 5	OF 6 SHEETS	STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
749	121BDR	DOUGLAS	62	43
CONTRACT NO. 70D96				
ILLINOIS FED. AID PROJECT				

\* Cut bottom end of post to curb slope.



**SECTION AT RAIL POST**

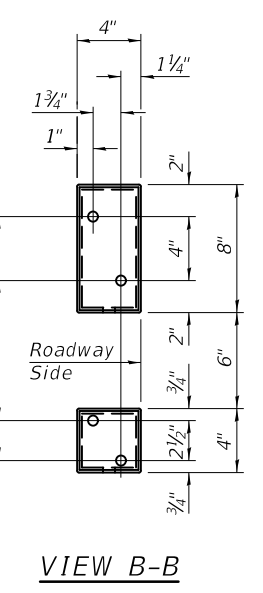


**SECTION A-A**

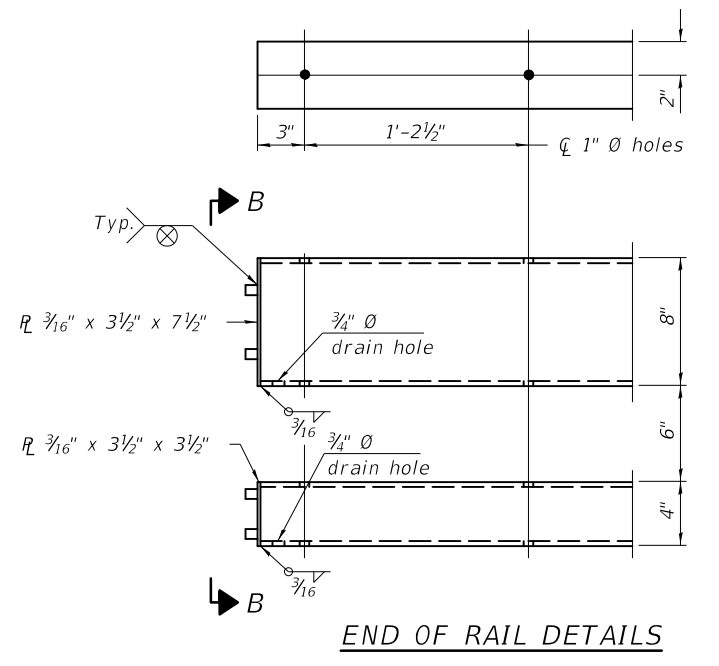
2-3/4" Ø x 6" Round Head Bolts with locknut and flat washer. 7/8" Ø Holes in tubing and posts. Holes in hollow structural section may be drilled in the field.

2-1/2" Ø x 6" Round Head Bolts with locknut and flat washer. 5/8" Ø Holes in hollow structural section and post. Holes in hollow structural section may be drilled in the field.

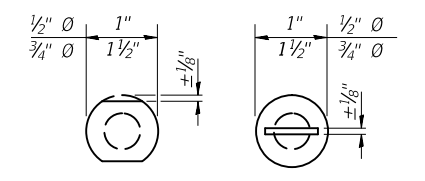
4 - 5/8" reduced base welded studs. Provide 4 - 5/8" washers and self-locking nuts or nuts and jam nuts for guardrail connection shown on Std. 631032.



**VIEW B-B**

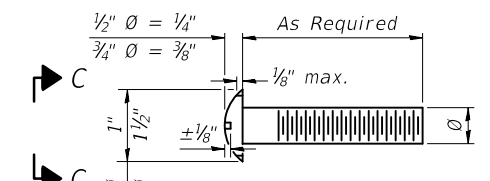


**END OF RAIL DETAILS**

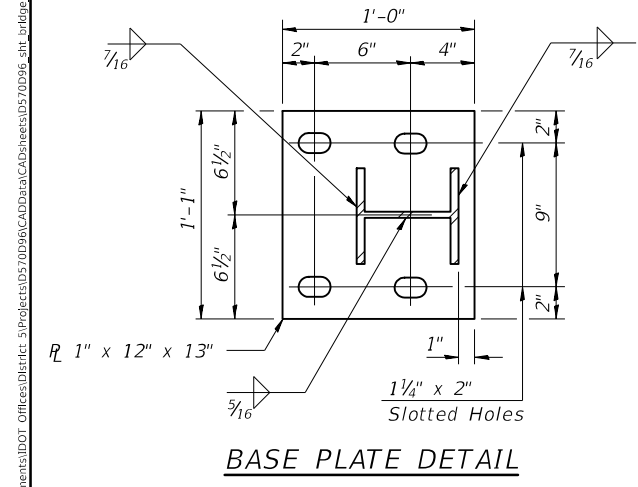


Without Slot or Recess      With Slot (shown) or Approved Recess

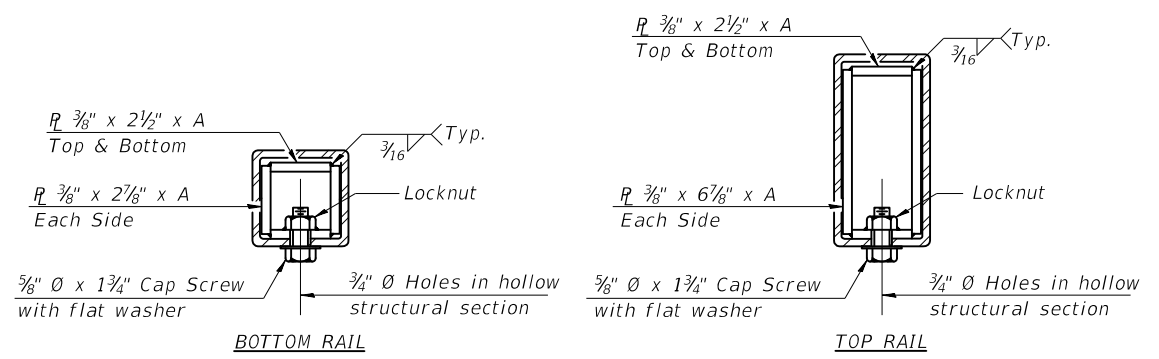
**VIEW C-C**



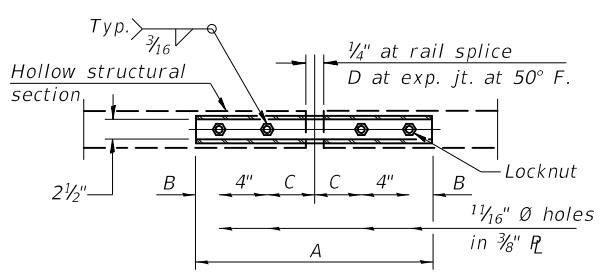
**DETAIL OF 1/2" Ø & 3/4" Ø ROUND HEAD BOLTS**



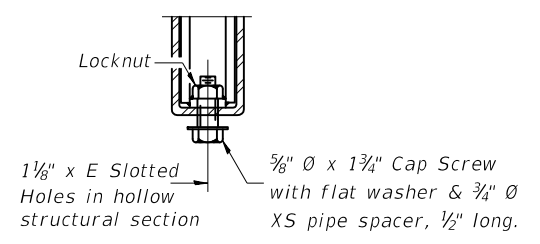
**BASE PLATE DETAIL**



**SECTIONS AT RAIL SPLICE**



**PLAN-BOTT. SPLICE R TYPICAL**



**RAIL SPLICE CONNECTION AT EXPANSION JT.**

Notes:  
 Posts shall not be located closer than 1'-3" to an existing bridge expansion joint or end of bridge.  
 Steel Bridge Rail expansion joint shall be provided between any two (2) posts which span a bridge expansion joint. Bolts located at expansion joint shall be provided with locknuts and shall be tightened only to a point that will allow railing movement.  
 Provide one 1/8" and two 1/16" steel shims for 25% of the posts. Shims shall be similar to base plates in size and holes.  
 All steel rail elements shall be galvanized according to Article 509.05 of the Standard Specifications.

**SPLICE DIMENSIONS**

T	D	A	B	C	E
≤ 4"	2 1/2"	1'-8"	2"	4"	2 1/2"
> 4" ≤ 6 1/2"	3 3/4"	2'-0"	2 1/2"	5 1/2"	3 1/2"
> 6 1/2" ≤ 9"	5"	2'-4"	3 1/2"	6 1/2"	9"
> 9" ≤ 13"	7"	2'-10"	4 1/2"	8 1/2"	11"
Rail Splice	1/4"	1'-8"	2"	4"	—

T = Total movement at expansion joint as shown on the design plans.

**BILL OF MATERIAL**

Item	Unit	Quantity
Steel Railing, Type 2399	Foot	48.0

MODEL: s:\MODEL\NAME: FILE: s:\NAME: PROJECT: s:\PROJECT\5720D96\CADD\DATA\CADD\INSTRUC\5720D96\_SRT\_SURFACE\_EVENTBY.dgn

R-31

2-17-2017

(6'-3" Maximum Post Spacing)

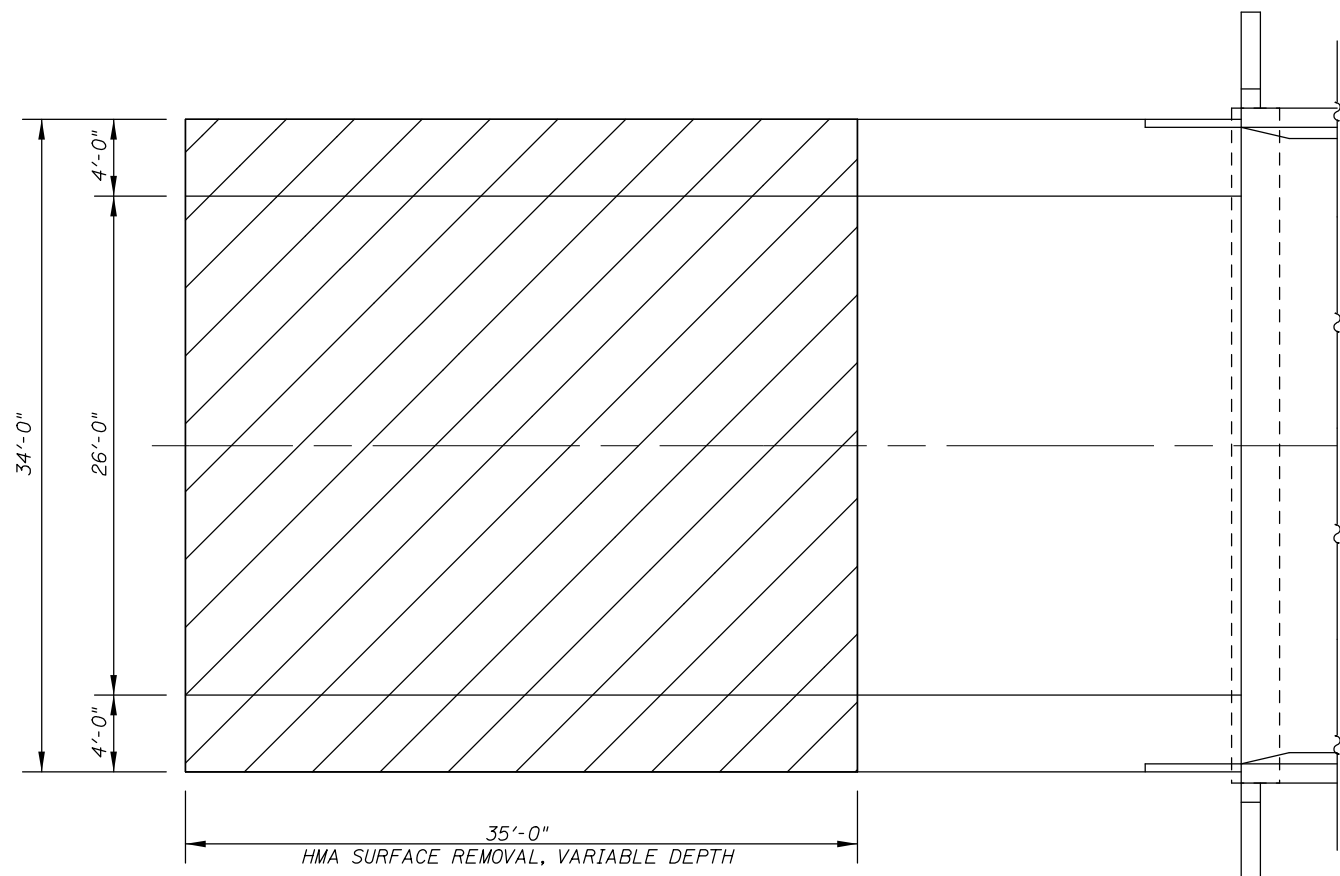
USER NAME = shawleres	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 40.0000 ' / in.	CHECKED -	REVISED -
PLOT DATE = 9/16/2020	DATE -	REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**STEEL RAILING, TYPE 2399  
 STRUCTURE NO. 021-2020**

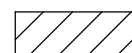
SCALE: SHEET 6 OF 6 SHEETS STA. TO STA.

F.A.P. RTE. 749	SECTION 121BDR	COUNTY DOUGLAS	TOTAL SHEETS 62	SHEET NO. 44
			CONTRACT NO. 70D96	
ILLINOIS			FED. AID PROJECT	

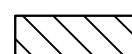


**EXISTING PLAN**

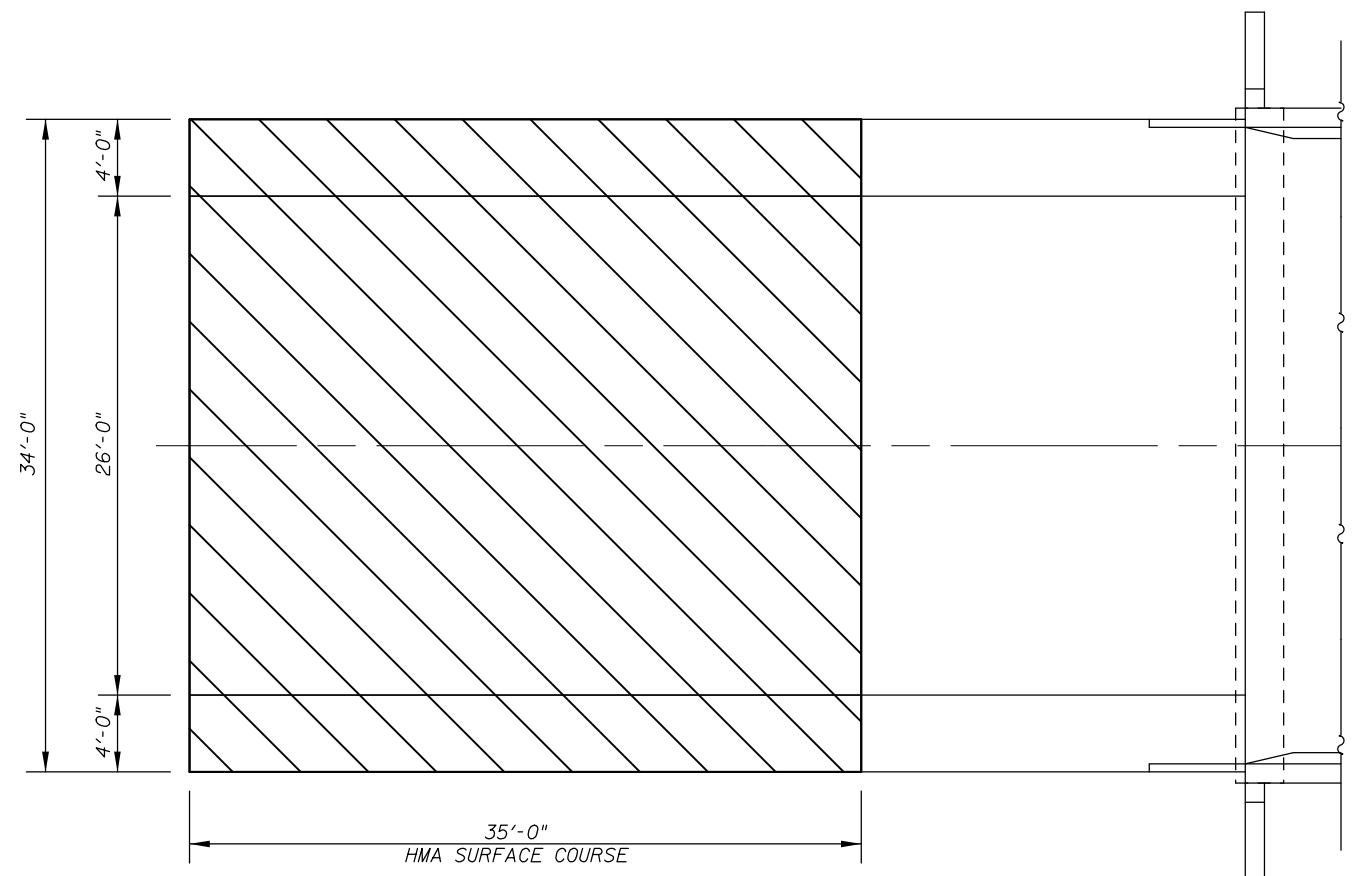
(WEST TRANSITION SHOWN EAST TRANSITION SIMILAR)



HMA SURFACE REMOVAL, VARIABLE DEPTH

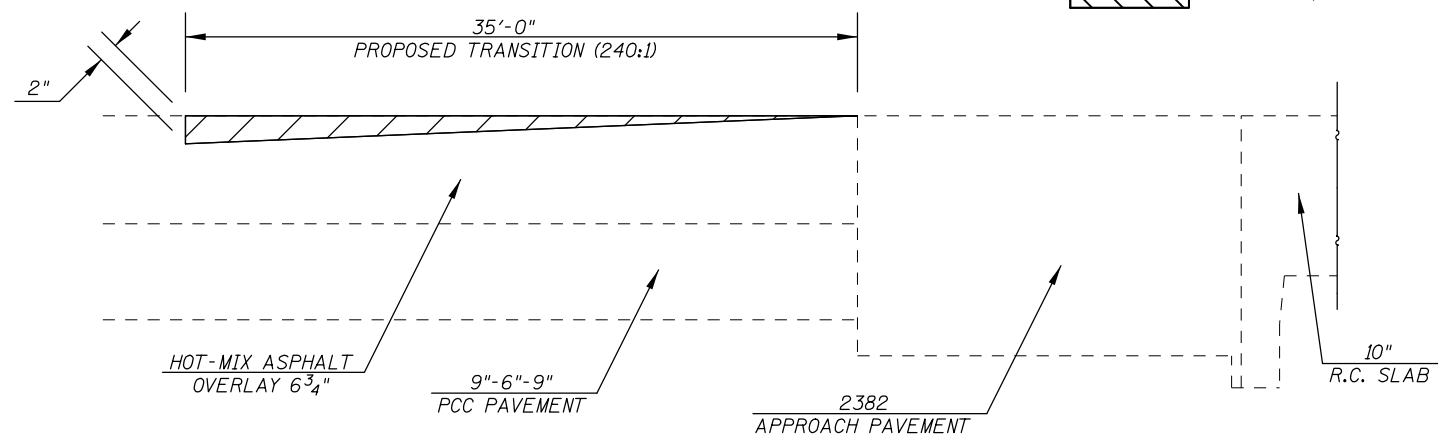


HMA SURFACE COURSE, IL 9.5 FG, N50 (196 LBS/SQ YD)



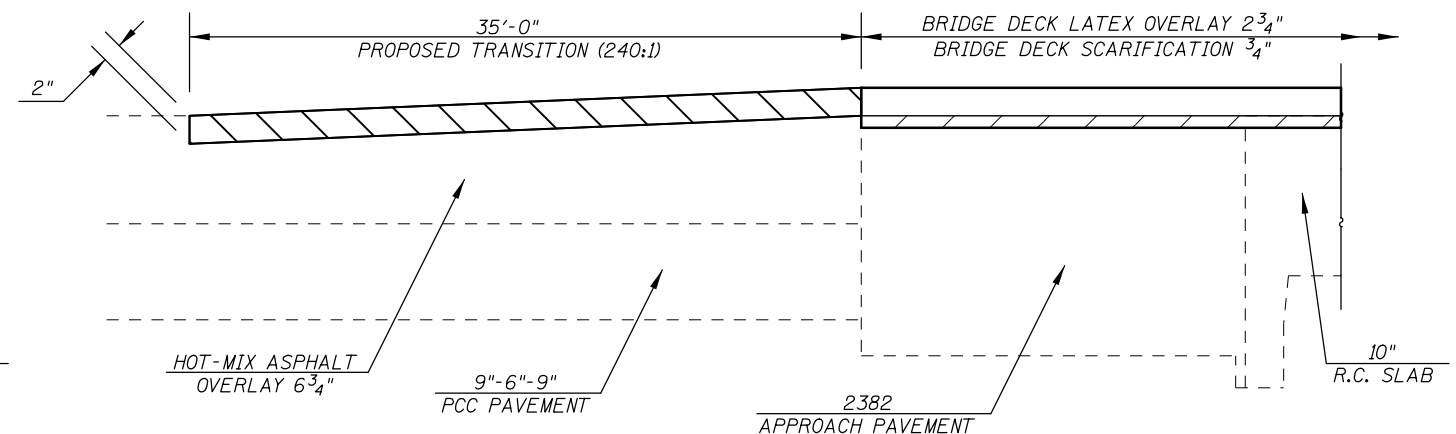
**PROPOSED PLAN**

(WEST TRANSITION SHOWN EAST TRANSITION SIMILAR)



**EXISTING ELEVATION**

(WEST TRANSITION SHOWN EAST TRANSITION SIMILAR)



**PROPOSED ELEVATION**

(WEST TRANSITION SHOWN EAST TRANSITION SIMILAR)

**NOTE:**

PAVER ELECTRONIC GRADE CONTROL SHALL BE OPERATED FROM A PRESET GRADE CONTROL STRINGLINE, SEE ARTICLE 406.06(e)

PART OF THE PRE-STAGE SHOULDER RESURFACING MAY BE REMOVED DURING FINAL PAVING TRANSITIONS THAT ARE REQUIRED TO MATCH PROPOSED DECK ELEVATIONS.

**BILL OF MATERIALS**

ITEM	UNIT	TOTAL
HMA ASPHALT SURFACE REMOVAL, VARIABLE DEPTH	SQ YD	265.0
HMA ASPHALT SURFACE COURSE, IL 9.5 FG, MIX "C", N50	TON	30.0

MODEL: \\MODEL\MATF5  
FILE: \\matf5\_pav\pav\illinois\dot\documents\dot\office\dot\illinois\dot\70D96\_sht\_approach\_details.dgn

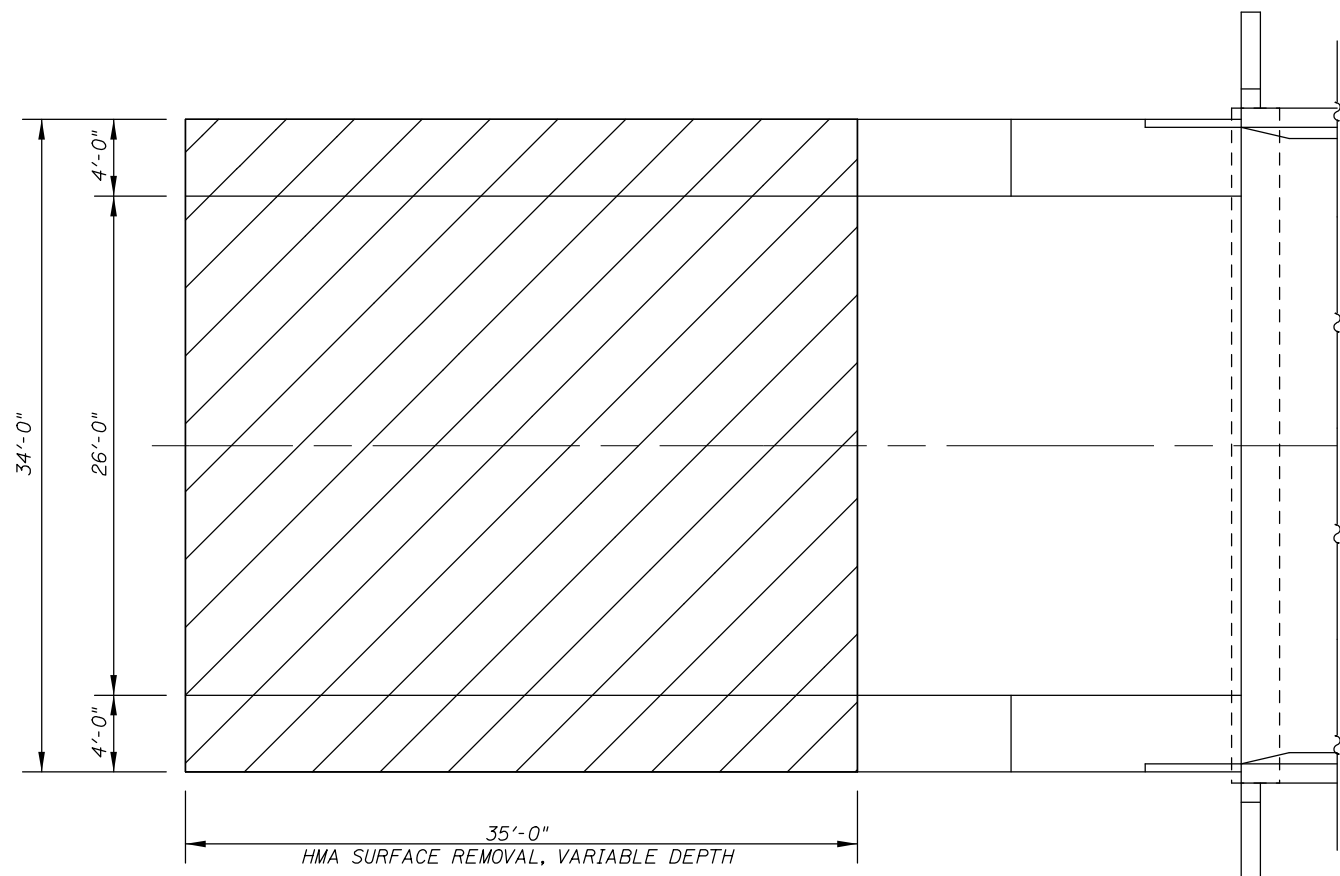
USER NAME = shawleres	DESIGNED -	REVISED -
PLOT SCALE = 40.0000 ' / in.	DRAWN -	REVISED -
PLOT DATE = 9/16/2020	CHECKED -	REVISED -
	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**APPROACH TRANSITION DETAILS  
S.N. 021-0053**

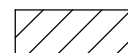
SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
749	121BDR	DOUGLAS	62	45
CONTRACT NO. 70D96				
ILLINOIS FED. AID PROJECT				

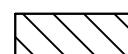


**EXISTING PLAN**

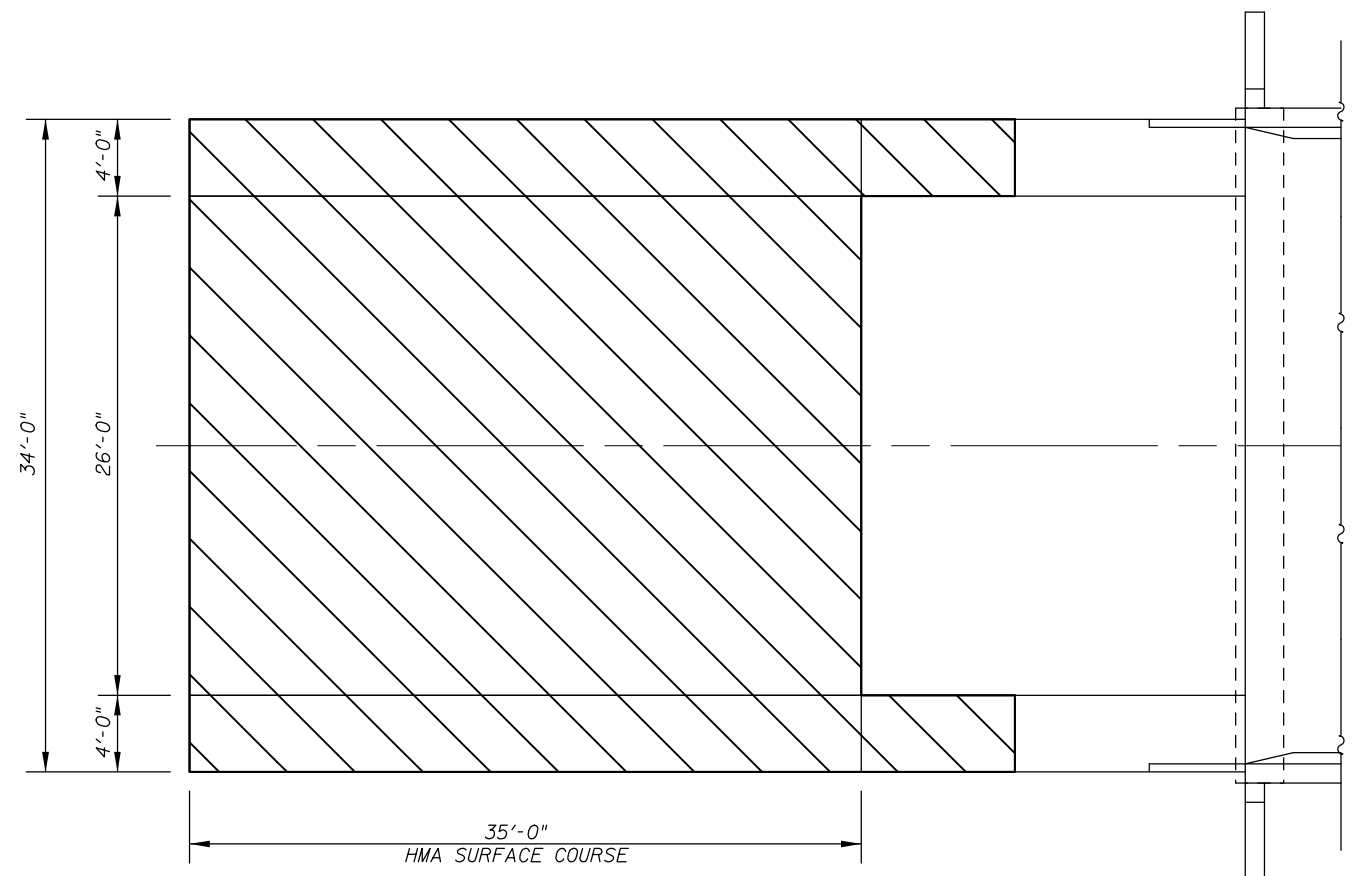
(WEST TRANSITION SHOWN  
EAST TRANSITION SIMILAR)



HMA SURFACE REMOVAL,  
VARIABLE DEPTH

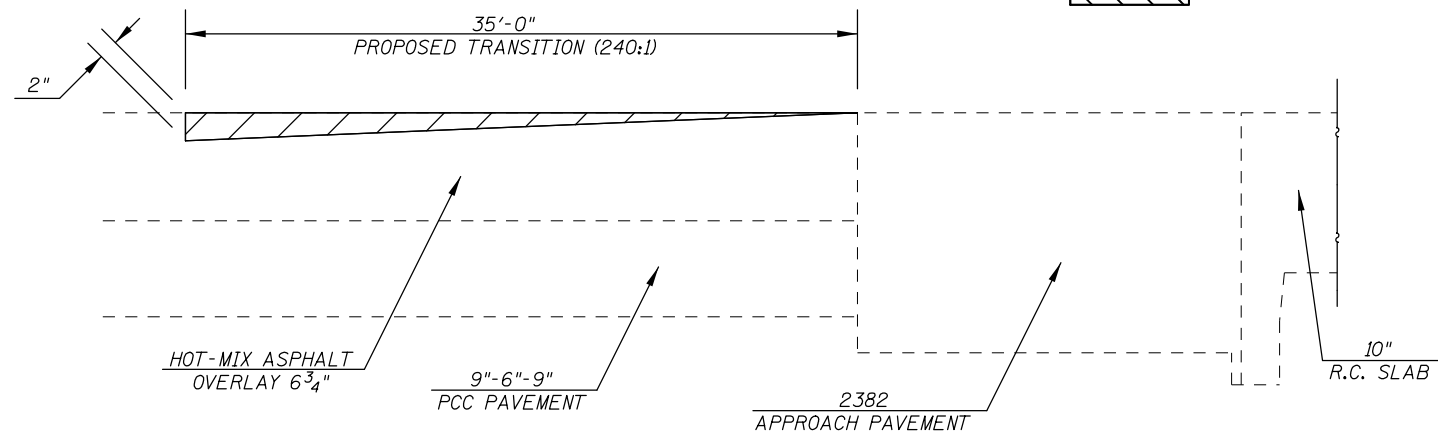


HMA SURFACE COURSE, IL 9.5  
FG, N50 (196 LBS/SQ YD)



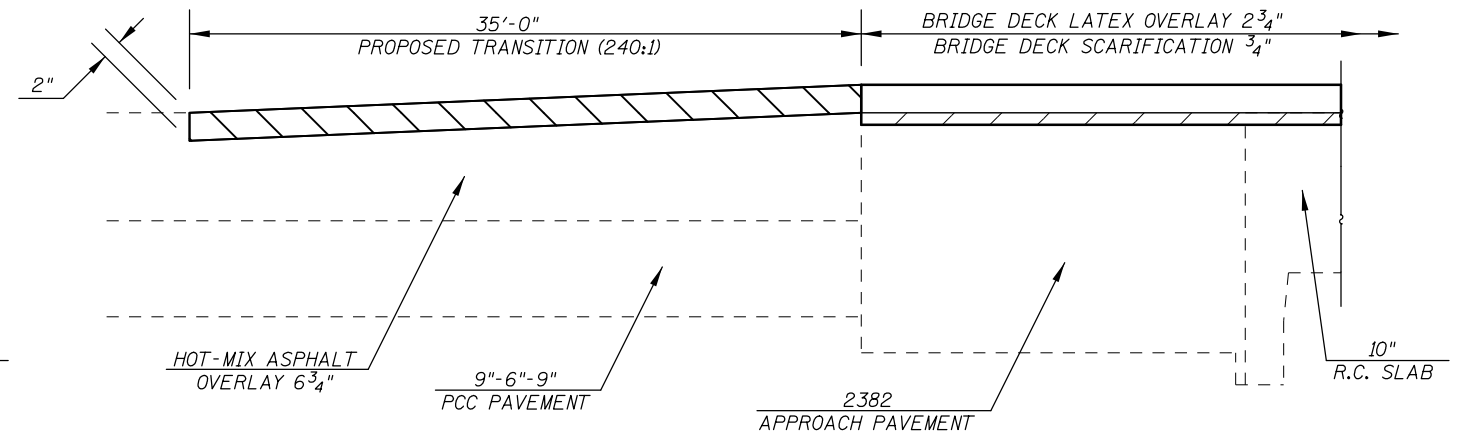
**PROPOSED PLAN**

(WEST TRANSITION SHOWN  
EAST TRANSITION SIMILAR)



**EXISTING ELEVATION**

(WEST TRANSITION SHOWN  
EAST TRANSITION SIMILAR)



**PROPOSED ELEVATION**

(WEST TRANSITION SHOWN  
EAST TRANSITION SIMILAR)

**NOTE:**

PAVER ELECTRONIC GRADE CONTROL SHALL BE OPERATED FROM A PRESET GRADE CONTROL STRINGLINE, SEE ARTICLE 406.06(e)

PART OF THE PRE-STAGE SHOULDER RESURFACING MAY BE REMOVED DURING FINAL PAVING TRANSITIONS THAT ARE REQUIRED TO MATCH PROPOSED DECK ELEVATIONS.

**BILL OF MATERIALS**

ITEM	UNIT	TOTAL
HMA ASPHALT SURFACE REMOVAL, VARIABLE DEPTH	SQ YD	265.0
HMA ASPHALT SURFACE COURSE, IL 9.5 FG, MIX "C", N50	TON	30.0

MODEL: \\MODEL\MATF5  
 FILE: \\matf5\pub\mcomat5a.dwg\plink\p\WIDOT\Documents\DOT\_Offices\Drawings\Projects\0570D96\0570D96\_sht\_approach\_details.dgn

USER NAME = shawleres	DESIGNED -	REVISED -
PLOT SCALE = 40.0000 ' / in.	DRAWN -	REVISED -
PLOT DATE = 9/16/2020	CHECKED -	REVISED -
	DATE -	REVISED -

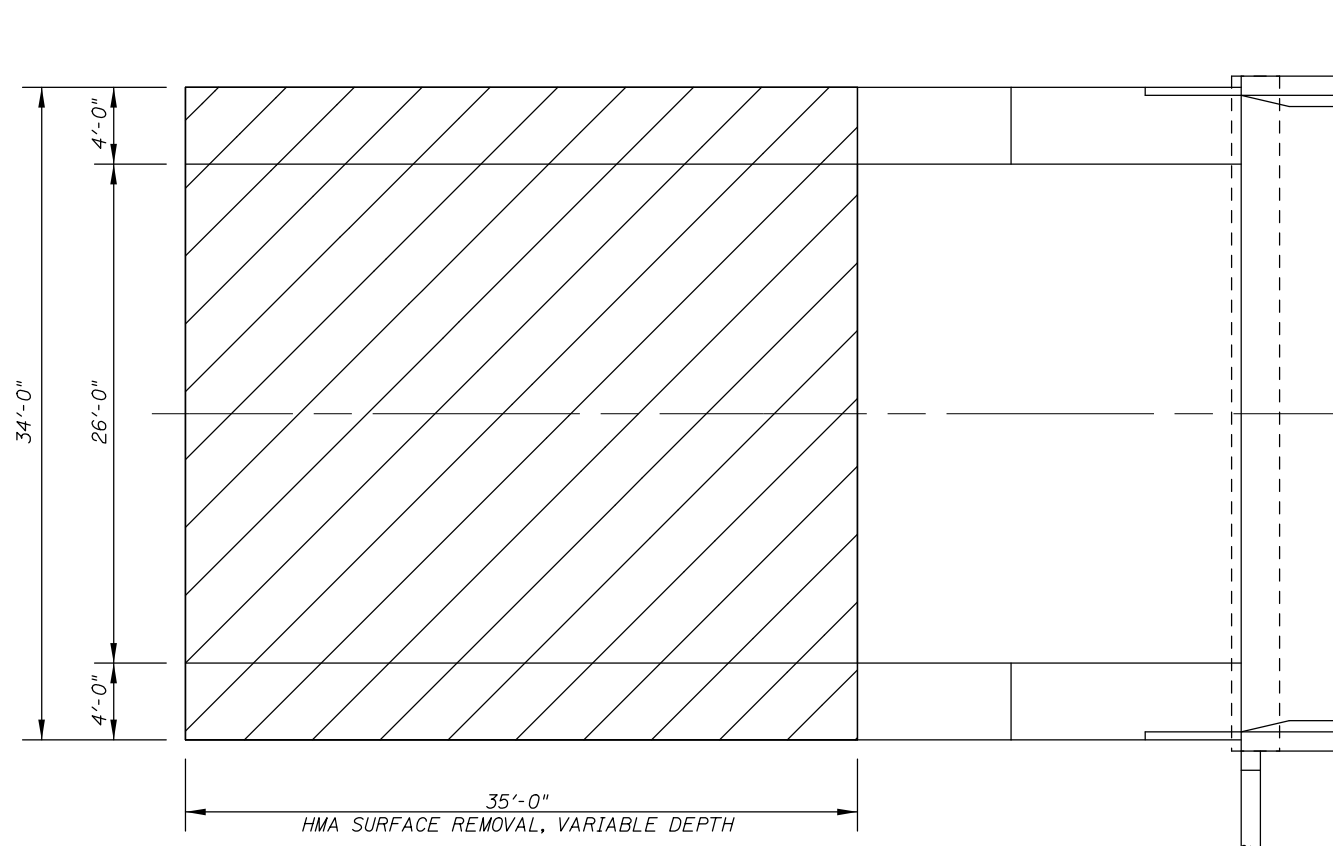
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**APPROACH TRANSITION DETAILS  
S.N. 021-0055**

SCALE: SHEET OF SHEETS STA. TO STA.

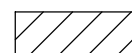
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
749	121BDR	DOUGLAS	62	46
			CONTRACT NO. 70D96	
ILLINOIS FED. AID PROJECT				



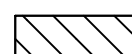


**EXISTING PLAN**

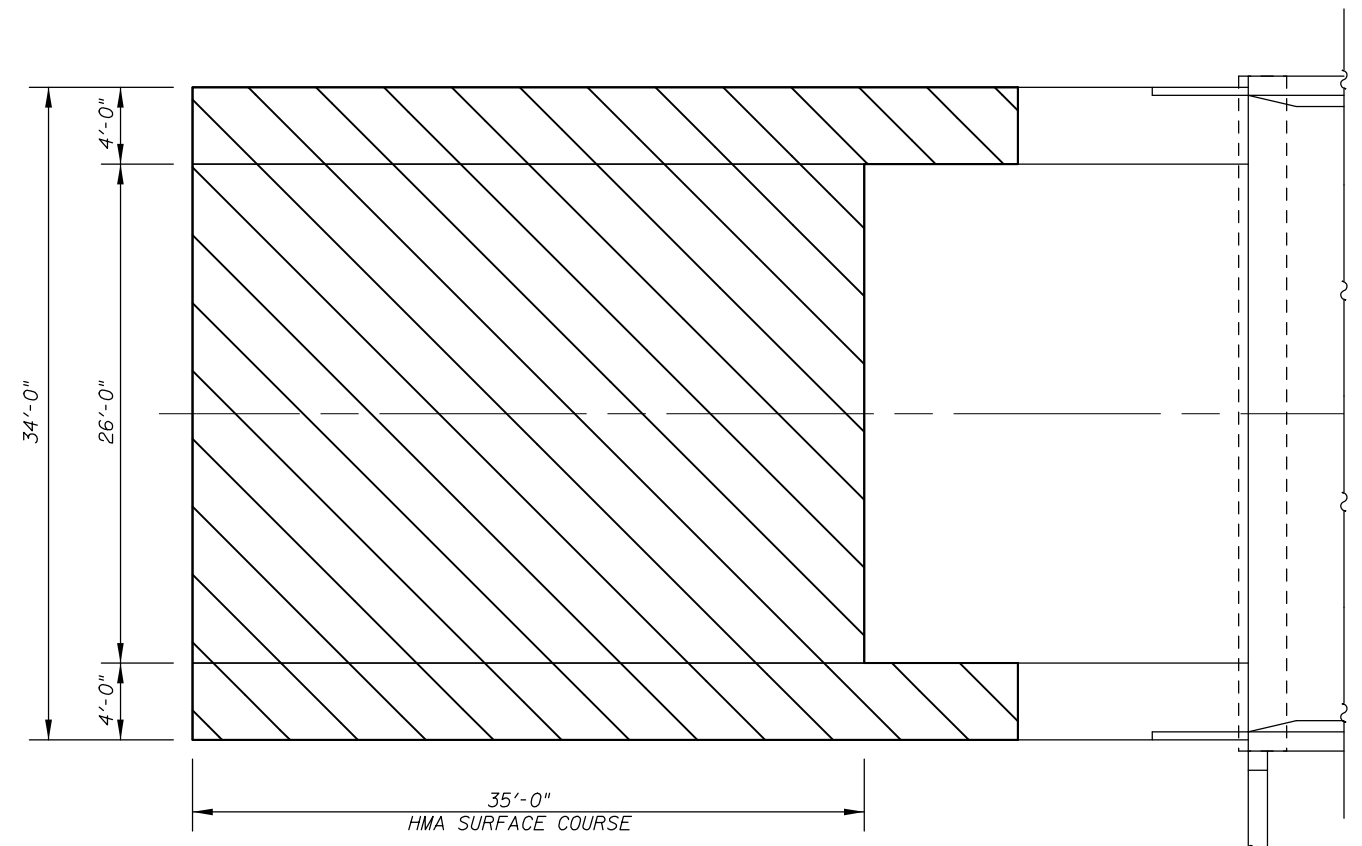
(WEST TRANSITION SHOWN  
EAST TRANSITION SIMILAR)



HMA SURFACE REMOVAL,  
VARIABLE DEPTH

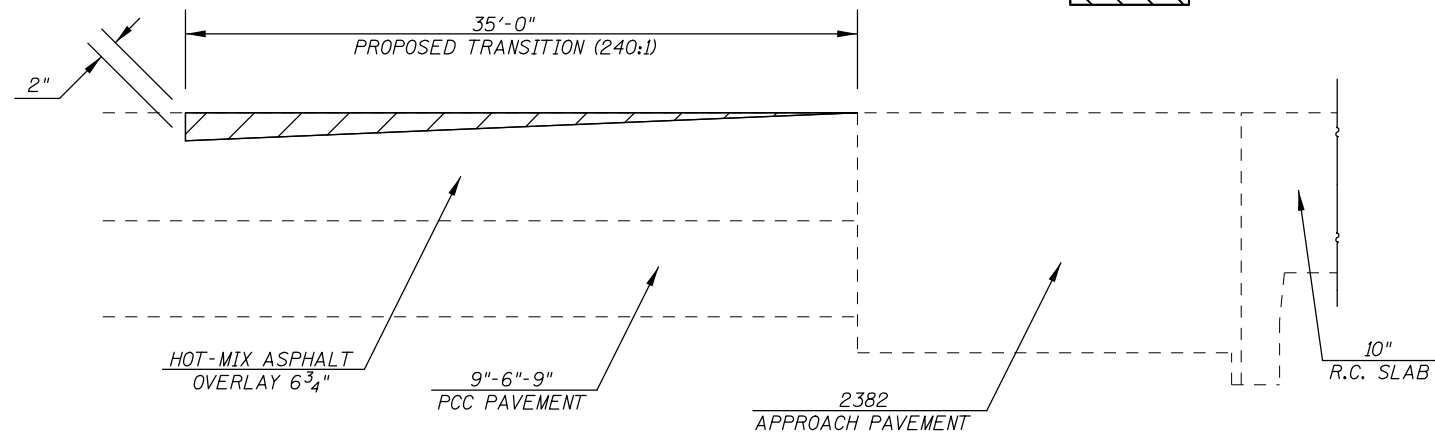


HMA SURFACE COURSE, IL 9.5  
FG, N50 (196 LBS/SQ YD)



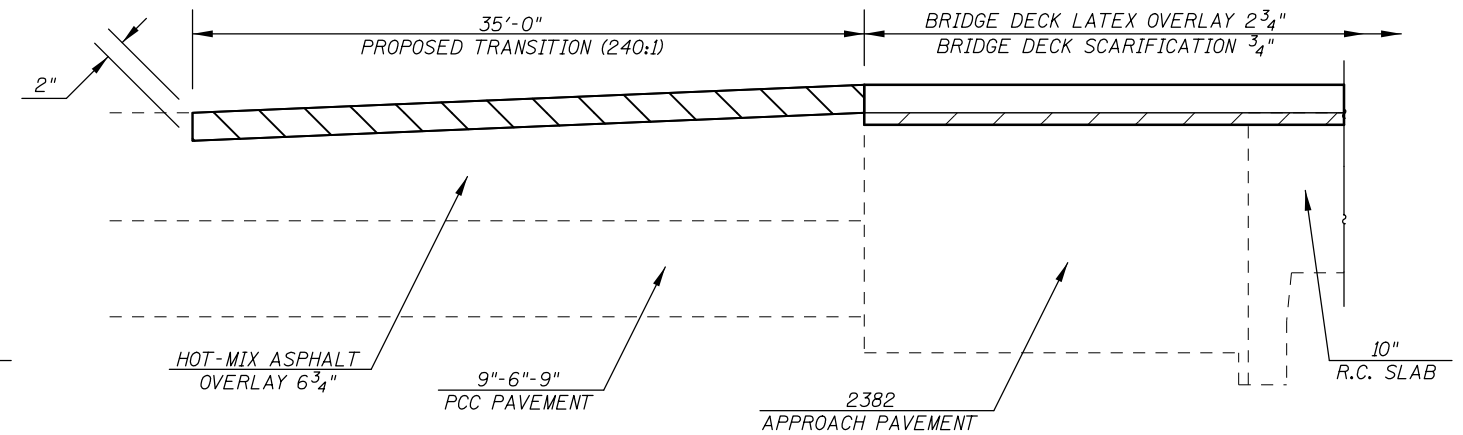
**PROPOSED PLAN**

(WEST TRANSITION SHOWN  
EAST TRANSITION SIMILAR)



**EXISTING ELEVATION**

(WEST TRANSITION SHOWN  
EAST TRANSITION SIMILAR)



**PROPOSED ELEVATION**

(WEST TRANSITION SHOWN  
EAST TRANSITION SIMILAR)

**NOTE:**

PAVER ELECTRONIC GRADE CONTROL SHALL BE OPERATED FROM A PRESET GRADE CONTROL STRINGLINE, SEE ARTICLE 406.06(e)

PART OF THE PRE-STAGE SHOULDER RESURFACING MAY BE REMOVED DURING FINAL PAVING TRANSITIONS THAT ARE REQUIRED TO MATCH PROPOSED DECK ELEVATIONS.

**BILL OF MATERIALS**

ITEM	UNIT	TOTAL
HMA ASPHALT SURFACE REMOVAL, VARIABLE DEPTH	SQ YD	265.0
HMA ASPHALT SURFACE COURSE, IL 9.5 FG, MIX "C", N50	TON	30.0

MODEL: \\MODEL\MATFS  
 FILE: \\matfs\pub\illinois\dot\illinois\pwr\DOT\Documents\DOT\_Offices\Illinet\5\Projects\0570D96\CADD\Drawings\0570D96\_sht\_approach\_details.dgn

USER NAME = shawleres	DESIGNED -	REVISED -
PLOT SCALE = 40.0000 ' / in.	DRAWN -	REVISED -
PLOT DATE = 9/16/2020	CHECKED -	REVISED -
	DATE -	REVISED -

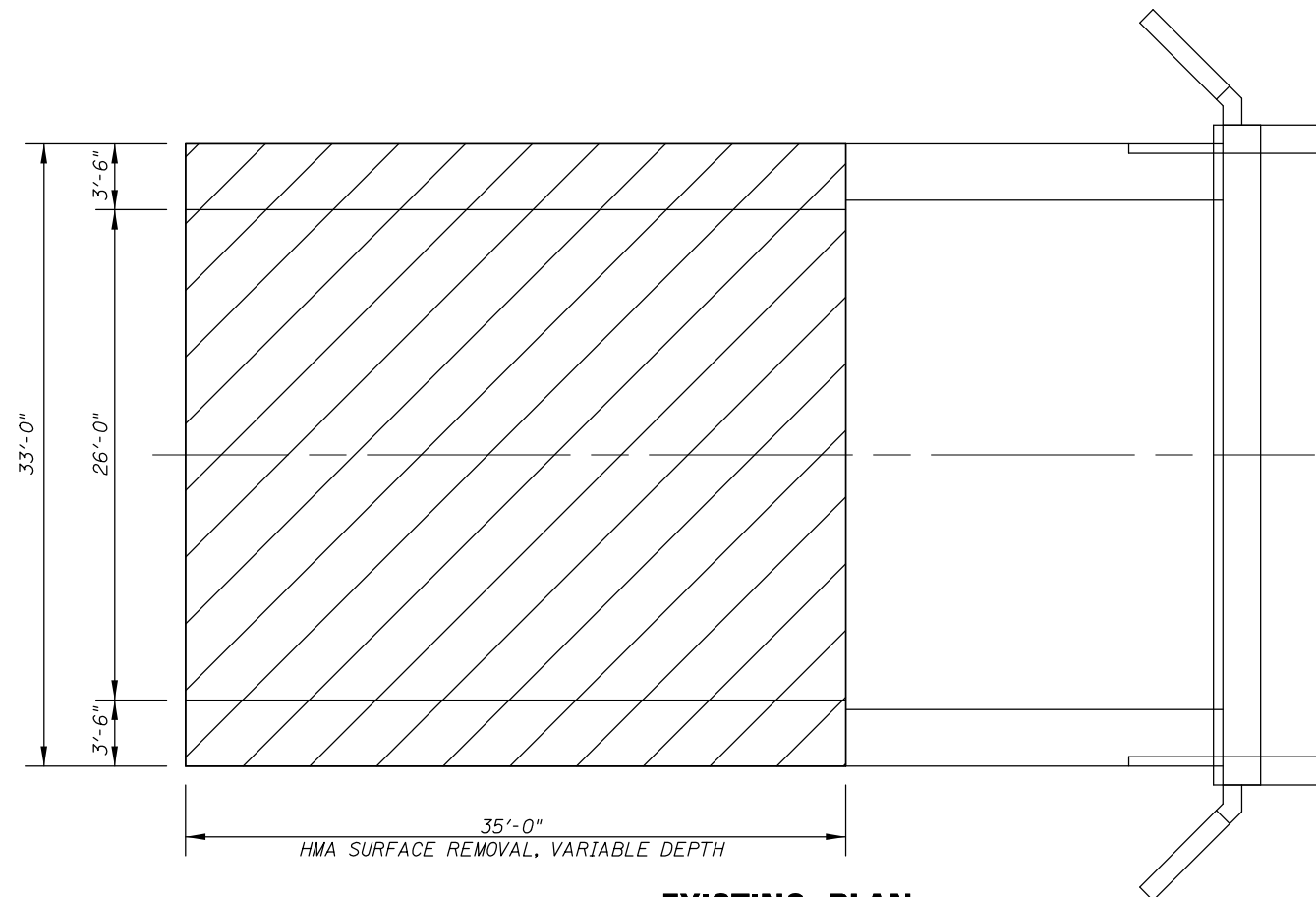
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**APPROACH TRANSITION DETAILS  
S.N. 0054**

SCALE: SHEET OF SHEETS STA. TO STA.

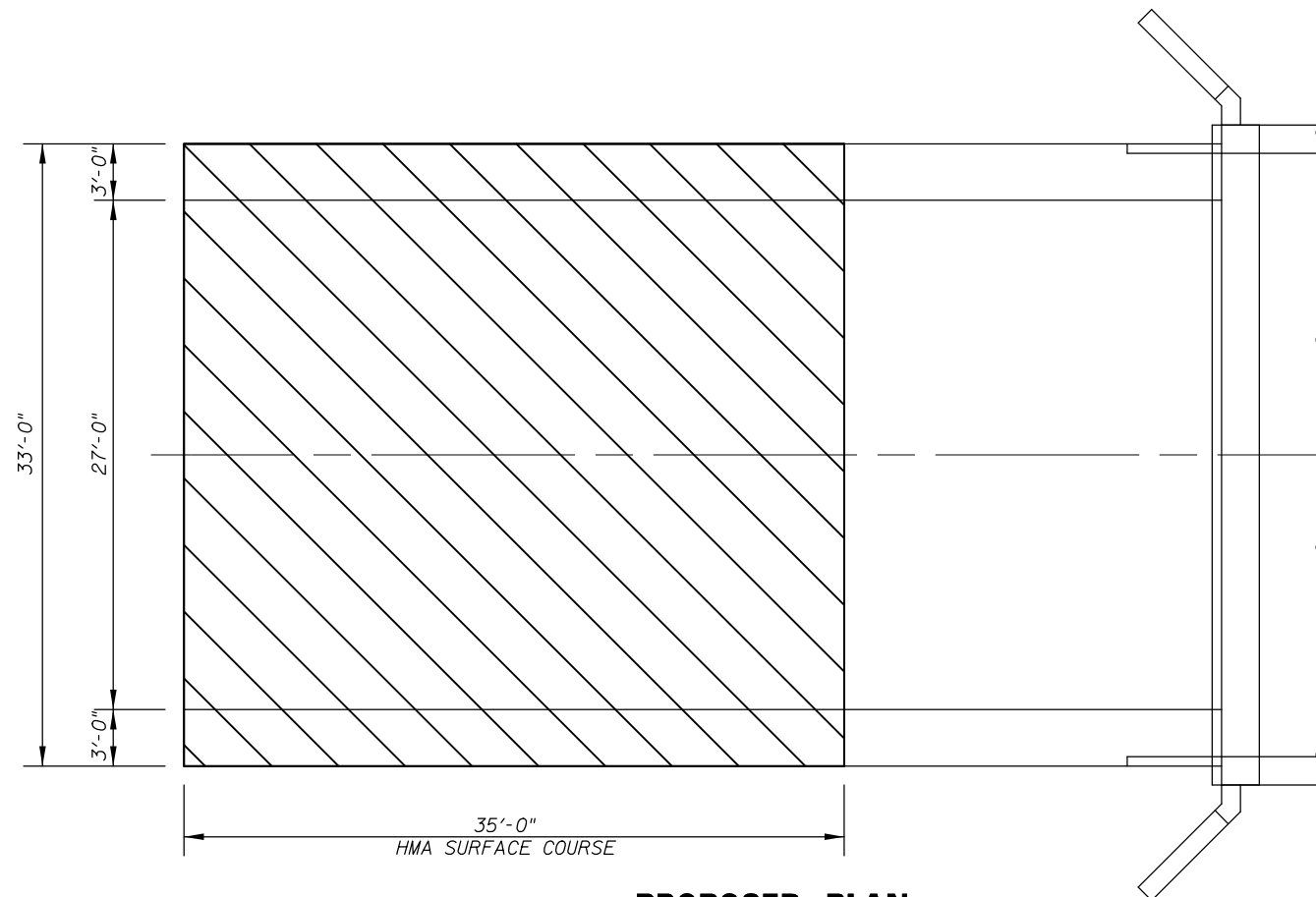
F.A.P. RTE. 749	SECTION 121BDR	COUNTY DOUGLAS	TOTAL SHEETS 62	SHEET NO. 48
CONTRACT NO. 70D96				
ILLINOIS FED. AID PROJECT				





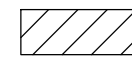
**EXISTING PLAN**

(WEST TRANSITION SHOWN EAST TRANSITION SIMILAR)



**PROPOSED PLAN**

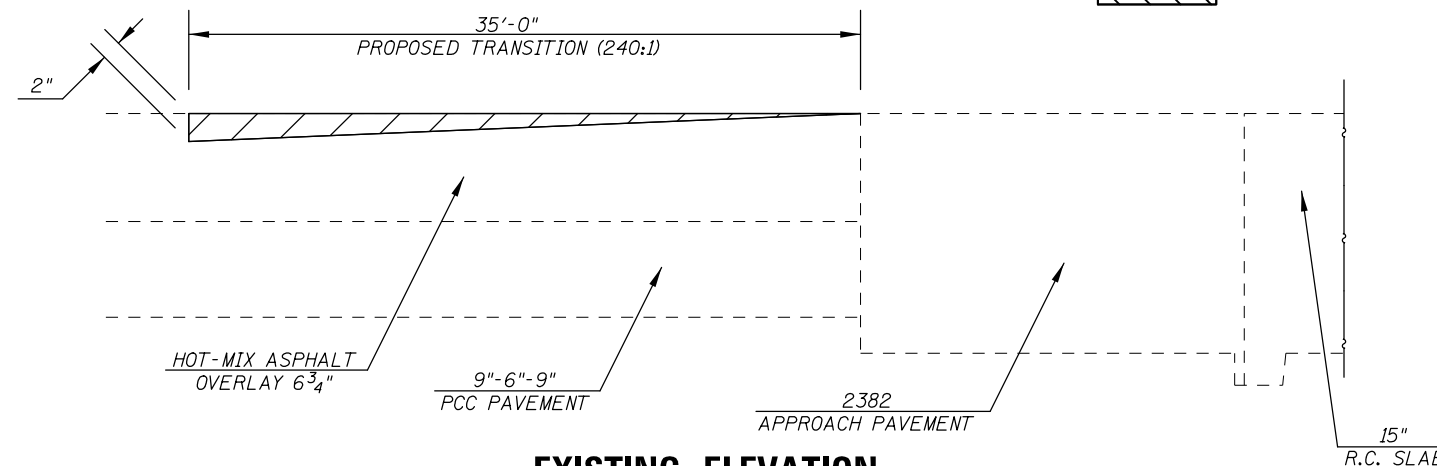
(WEST TRANSITION SHOWN EAST TRANSITION SIMILAR)



HMA SURFACE REMOVAL, VARIABLE DEPTH

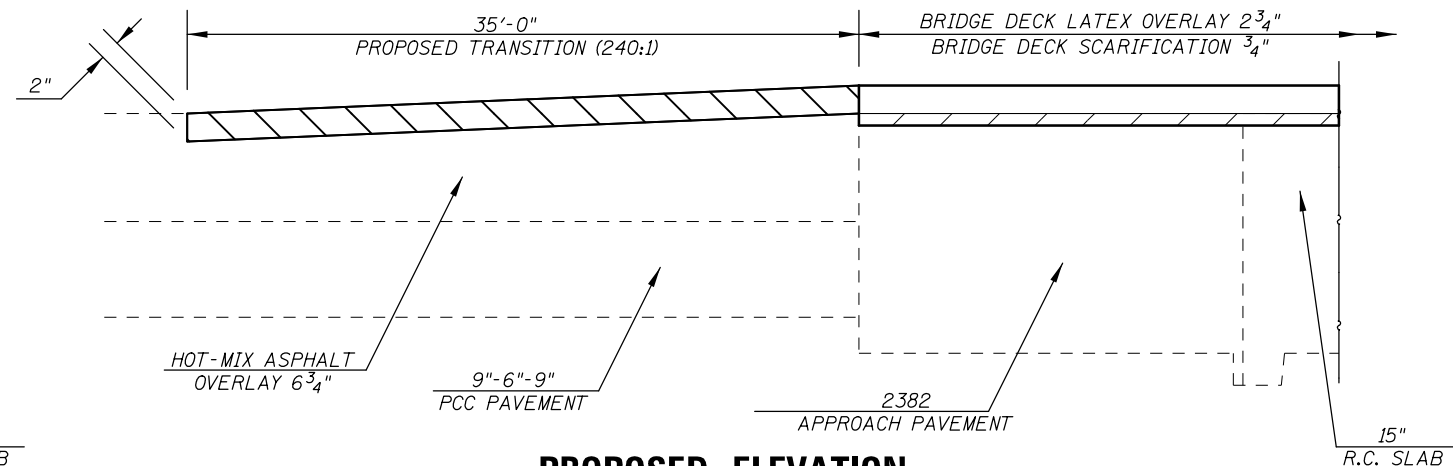


HMA SURFACE COURSE, IL 9.5 FG, N50 (196 LBS/SQ YD)



**EXISTING ELEVATION**

(WEST TRANSITION SHOWN EAST TRANSITION SIMILAR)



**PROPOSED ELEVATION**

(WEST TRANSITION SHOWN EAST TRANSITION SIMILAR)

**NOTE:**

PAVER ELECTRONIC GRADE CONTROL SHALL BE OPERATED FROM A PRESET GRADE CONTROL STRINGLINE, SEE ARTICLE 406.06(e)

PART OF THE PRE-STAGE SHOULDER RESURFACING MAY BE REMOVED DURING FINAL PAVING TRANSITIONS THAT ARE REQUIRED TO MATCH PROPOSED DECK ELEVATIONS.

**BILL OF MATERIALS**

ITEM	UNIT	TOTAL
HMA ASPHALT SURFACE REMOVAL, VARIABLE DEPTH	SQ YD	257.0
HMA ASPHALT SURFACE COURSE, IL 9.5 FG, MIX "C", N50	TON	29.0

MODEL: \\MODEL\MP\MS...  
 FILE: \\MODEL\MP\MS...

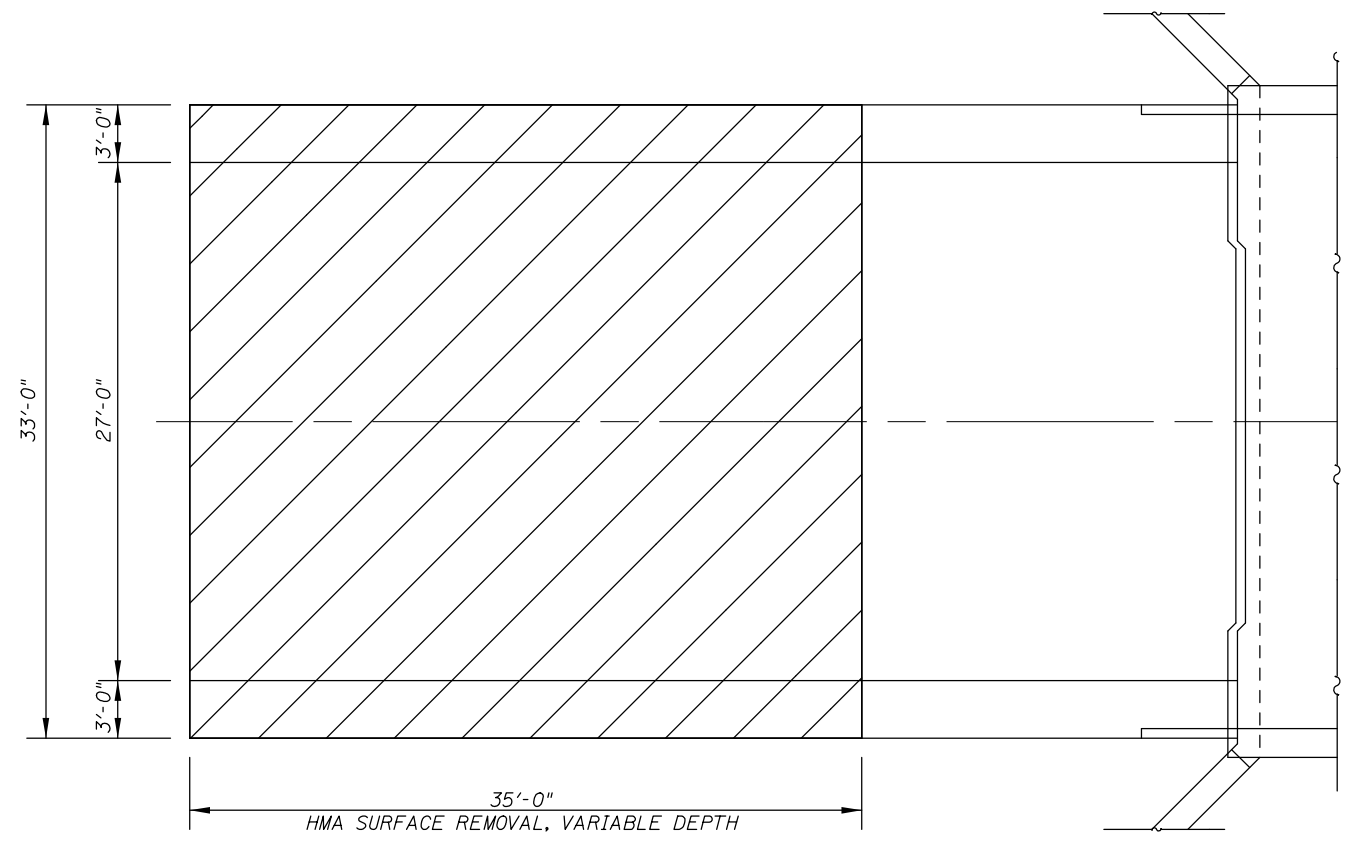
USER NAME = shawleres	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 40.0000 ' / in.	CHECKED -	REVISED -
PLOT DATE = 9/16/2020	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

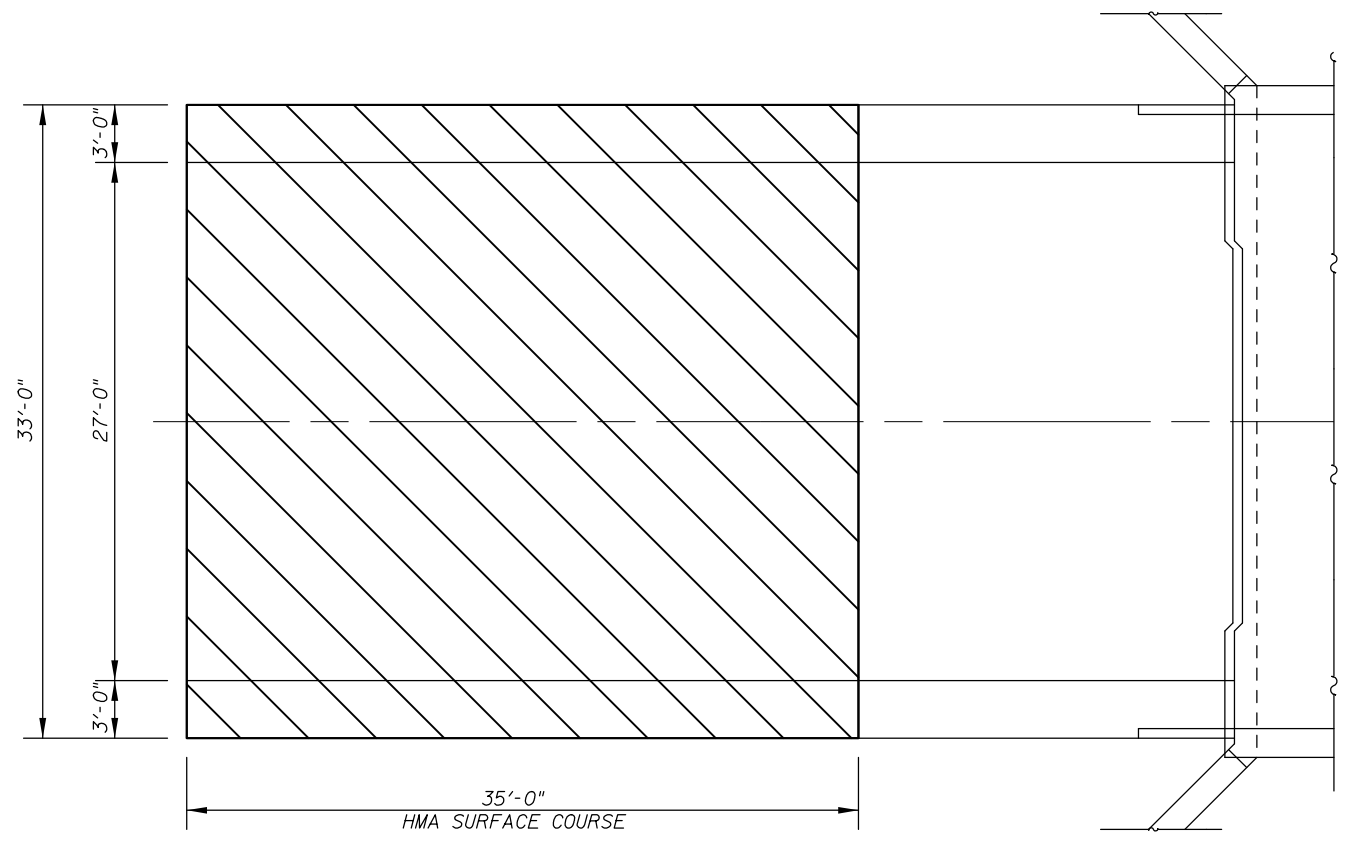
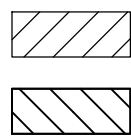
**APPROACH TRANSITION DETAILS  
S.N. 021-0056**

SCALE: SHEET OF SHEETS STA. TO STA.

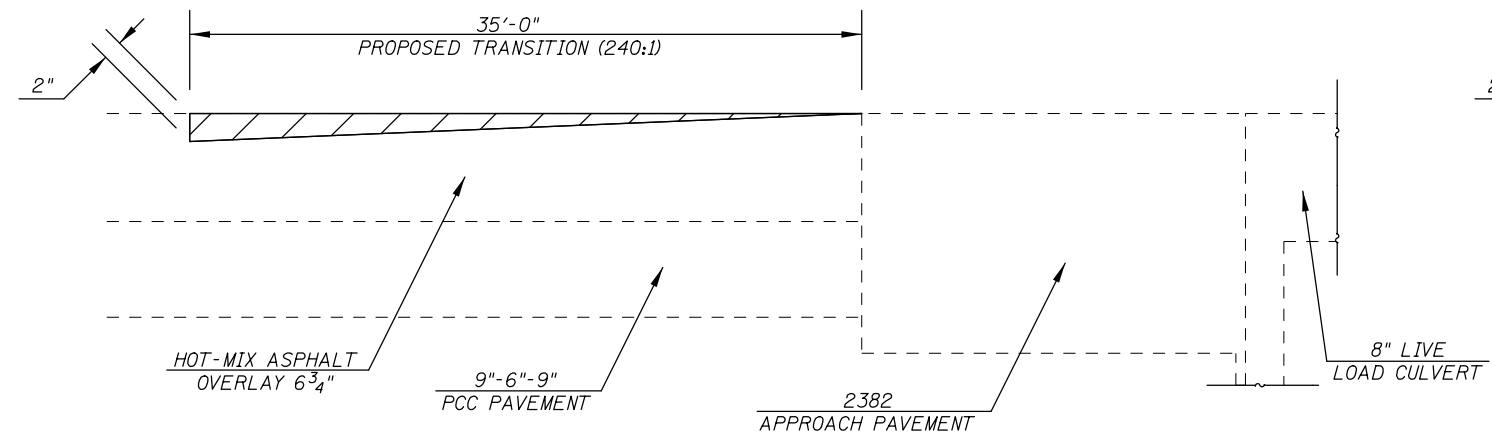
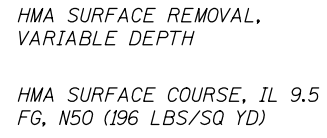
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
749	121BDR	DOUGLAS	62	49
			CONTRACT NO. 70D96	
ILLINOIS FED. AID PROJECT				



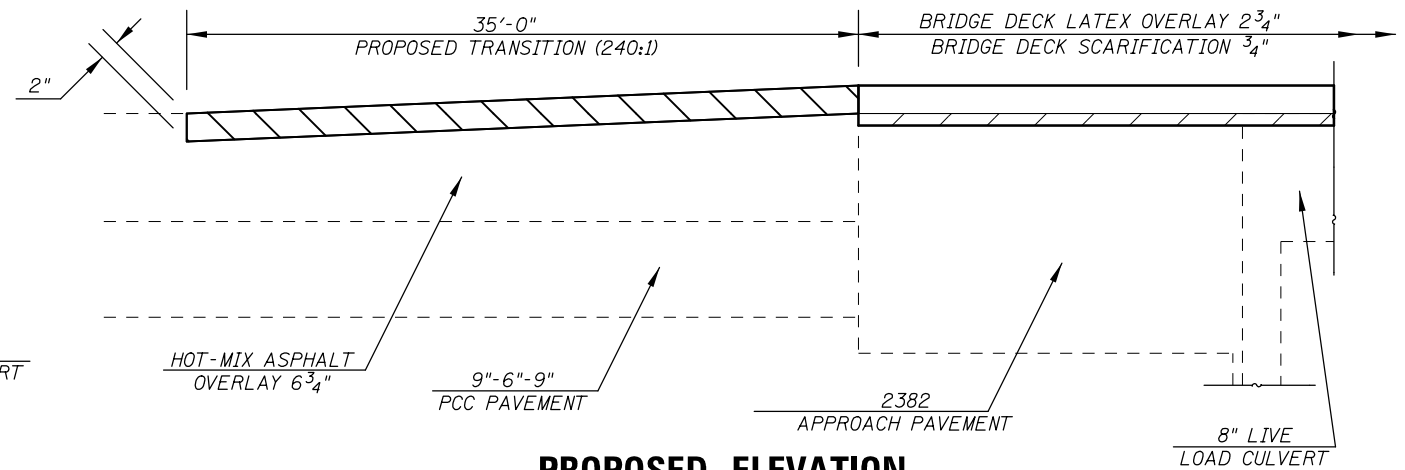
**EXISTING PLAN**  
(WEST TRANSITION SHOWN  
EAST TRANSITION SIMILAR)



**PROPOSED PLAN**  
(WEST TRANSITION SHOWN  
EAST TRANSITION SIMILAR)



**EXISTING ELEVATION**  
(WEST TRANSITION SHOWN  
EAST TRANSITION SIMILAR)



**PROPOSED ELEVATION**  
(WEST TRANSITION SHOWN  
EAST TRANSITION SIMILAR)

**NOTE:**  
PAVER ELECTRONIC GRADE CONTROL SHALL BE OPERATED FROM A PRESET GRADE CONTROL STRINGLINE, SEE ARTICLE 406.06(e)  
PART OF THE PRE-STAGE SHOULDER RESURFACING MAY BE REMOVED DURING FINAL PAVING TRANSITIONS THAT ARE REQUIRED TO MATCH PROPOSED DECK ELEVATIONS.

**BILL OF MATERIALS**

ITEM	UNIT	TOTAL
HMA ASPHALT SURFACE REMOVAL, VARIABLE DEPTH	SQ YD	257.0
HMA ASPHALT SURFACE COURSE, IL 9.5 FG, MIX "C", N50	TON	29.0

MODEL: s:\MODEL\MHFE  
 FILE: MHFE.dwg  
 PLOT DATE: 9/16/2020  
 PROJECT: 70D96  
 SHEET: 50  
 CONTRACT: 70D96

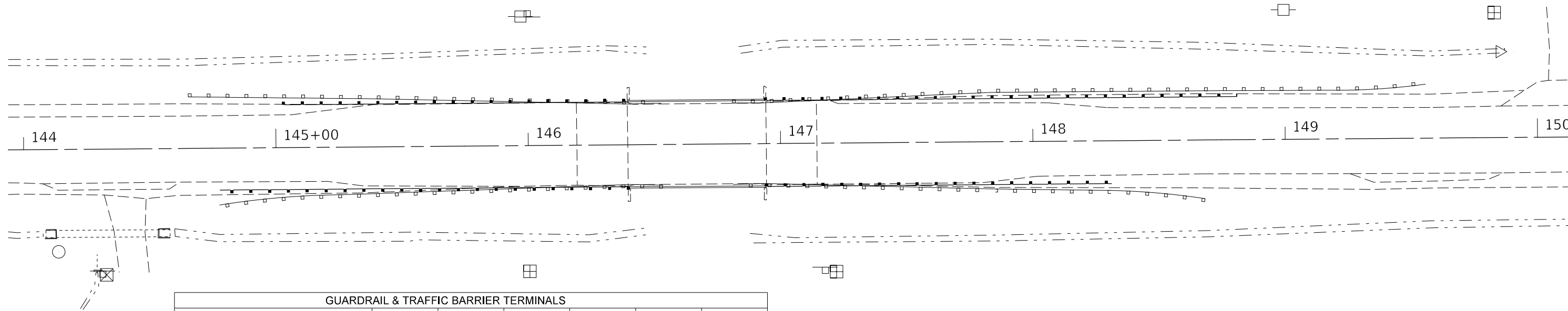
USER NAME = shawleres	DESIGNED -	REVISED -
PLOT SCALE = 40,0000 ' / in.	DRAWN -	REVISED -
PLOT DATE = 9/16/2020	CHECKED -	REVISED -
	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

<b>APPROACH TRANSITION DETAILS</b>			
S.N. 021-2020			
SCALE:	SHEET	OF SHEETS	STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
749	121BDR	DOUGLAS	62	50
CONTRACT NO. 70D96				
ILLINOIS FED. AID PROJECT				

# GUARDRAIL PLAN S.N. 021-0053



GUARDRAIL & TRAFFIC BARRIER TERMINALS								
Structure 021-0053			63000001	63100085	63100167	78201000	78200410	63200310
	Begin	End	SPBGR TYPE A 6 FT POSTS (foot)	TBT TYPE 6 (each)	TBT TYPE 1 (SPEC) TANG (each)	TERMINAL MARKER DIR APP (each)	GUARDRAIL MARKERS TYPE A (each)	GUARDRAIL REMOVAL (foot)
Side	Station	Station						
Left	144+65.40	146+52.90						187.50
Left	145+02.50	145+52.50			1.0	1.0	1.0	
Left	145+52.50	146+02.50	50.0				1.0	
Left	146+02.50	146+40.00		1.0				
Left	146+81.00	149+56.00						275.00
Left	146+93.50	147+31.00		1.0				
Left	147+31.00	148+31.00	100.0				1.0	
Left	148+31.00	148+81.00			1.0	1.0	1.0	
		<b>Totals</b>	150.0	2.0	2.0	2.0	4.0	462.50

GUARDRAIL & TRAFFIC BARRIER TERMINALS								
Structure 021-0053			63000001	63100085	63100167	78201000	78200410	63200310
	Begin	End	SPBGR TYPE A 6 FT POSTS (foot)	TBT TYPE 6 (each)	TBT TYPE 1 (SPEC) TANG (each)	TERMINAL MARKER DIR APP (each)	GUARDRAIL MARKERS TYPE A (each)	GUARDRAIL REMOVAL (foot)
Side	Station	Station						
Right	144+77.50	146+53.00						175.50
Right	144+77.70	145+27.70			1.0	1.0	1.0	
Right	145+27.70	146+02.70	75.0				1.0	
Right	146+02.70	146+40.20		1.0				
Right	146+81.00	148+68.00						187.00
Right	146+93.50	147+31.00		1.0				
Right	147+31.00	147+81.00	50.0				1.0	
Right	147+81.00	148+31.00			1.0	1.0	1.0	
		<b>Totals</b>	125.0	2.0	2.0	2.0	4.0	362.00

### BILL OF MATERIALS

ITEM	UNIT	TOTAL
GUARDRAIL REMOVAL	FOOT	825.0
STEEL PLATE BEAM GUARDRAIL, TYPE A, 6 FOOT POSTS	FOOT	275.0
TRAFFIC BARRIER TERMINAL, TYPE 6	EACH	4.0
TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) TANGENT	EACH	4.0
GUARDRAIL MARKERS, TYPE A	EACH	8.0
TERMINAL MARKER - DIRECT APPLIED	EACH	4.0

MODEL: s:\MODEL\MARIS  
 FILE: MARIS\_Plan\Guardrail.dwg  
 PROJECT: S:\Projects\021-0053\021-0053\021-0053.dwg  
 OFFICE: D:\Office\Bartlett  
 DATE: 9/16/2020

USER NAME = shawleres	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 40.0000' / in.	CHECKED -	REVISED -
PLOT DATE = 9/16/2020	DATE -	REVISED -

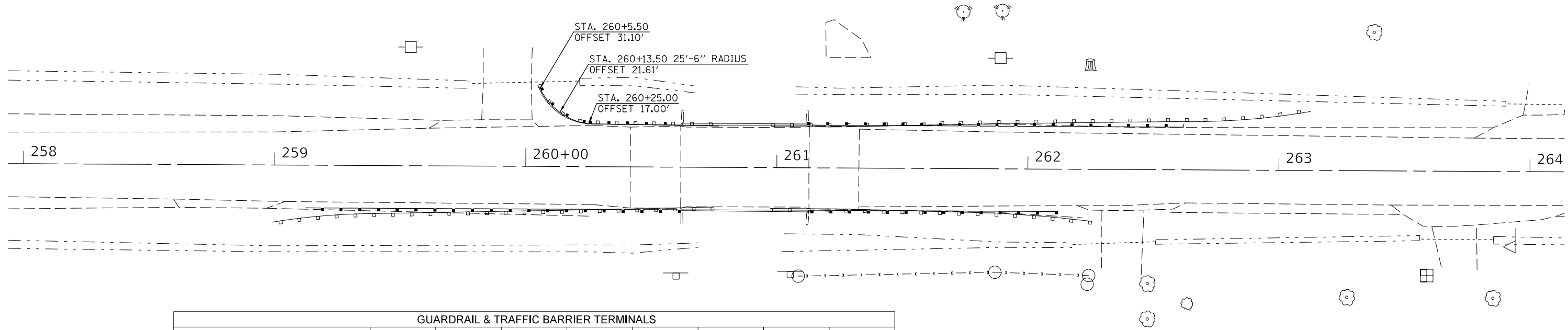
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**GUARDRAIL PLAN  
S.N. 021-0053**

SCALE: 40 SHEET 1 OF 7 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
749	121BDR	DOUGLAS	62	51
CONTRACT NO. 70D96				
ILLINOIS FED. AID PROJECT				

# GUARDRAIL PLAN S.N. 021-0055



GUARDRAIL & TRAFFIC BARRIER TERMINALS										
Structure 021-0055			63000001	63100085	63100167	63100045	78201000	78200410	63200310	X6330725
	Begin	End	SPBGR TYPE A 6 FT POSTS	TBT TYPE 6	TBT TYPE 1 (SPEC) TANG	TBT TYPE 2	TERMINAL MARKER DIR APP	GUARDRAIL MARKERS TYPE A	GUARDRAIL REMOVAL	SPBGR SHORT RADIUS
Side	Station	Station	(foot)	(each)	(each)	(each)	(each)	(each)	(foot)	(foot)
Left	260+04.00	260+77.00							* 78.00	
Left	260+05.50	260+13.50				1.0				
Left	260+13.50	260+25.00						1.0		* 12.50
Left	260+25.00	260+62.50		1.0					215.00	
Left	260+97.70	263+12.70		1.0						
Left	261+12.00	261+49.50		1.0						
Left	261+49.50	262+12.00	62.5					1.0		
Left	262+12.00	262+62.00			1.0		1.0	1.0		
<b>Totals</b>			<b>62.5</b>	<b>2.0</b>	<b>1.0</b>	<b>1.0</b>	<b>1.0</b>	<b>3.0</b>	<b>293.00</b>	<b>12.50</b>

\* LENGTH ADJUSTED ALONG RADIUS

GUARDRAIL & TRAFFIC BARRIER TERMINALS										
Structure 021-0055			63000001	63100085	63100167	78201000	78200410	63200310		
	Begin	End	SPBGR TYPE A 6 FT POSTS	TBT TYPE 6	TBT TYPE 1 (SPEC) TANG	TERMINAL MARKER DIR APP	GUARDRAIL MARKERS TYPE A	GUARDRAIL REMOVAL		
Side	Station	Station	(foot)	(each)	(each)	(each)	(each)	(foot)		
Right	258+99.00	260+75.00						176.00		
Right	259+12.45	259+62.45			1.0	1.0	1.0			
Right	259+62.45	260+24.95	62.5				1.0			
Right	260+24.95	262+25.50		1.0						
Right	260+97.50	262+25.50						128.00		
Right	261+12.10	261+49.60		1.0						
Right	261+49.60	261+62.10	12.5				1.0			
Right	261+62.10	262+12.10			1.0	1.0	1.0			
<b>Totals</b>			<b>75.0</b>	<b>2.0</b>	<b>2.0</b>	<b>2.0</b>	<b>4.0</b>	<b>304.00</b>		

### BILL OF MATERIALS

ITEM	UNIT	TOTAL
GUARDRAIL REMOVAL	FOOT	597.0
STEEL PLATE BEAM GUARDRAIL, TYPE A, 6 FOOT POSTS	FOOT	137.5
STEEL PLATE BEAM GUARDRAIL, (SHORT RADIUS)	FOOT	12.5
TRAFFIC BARRIER TERMINAL, TYPE 6	EACH	4.0
TRAFFIC BARRIER TERMINAL, TYPE 2	EACH	1.0
TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) TANGENT	EACH	3.0
GUARDRAIL MARKERS, TYPE A	EACH	7.0
TERMINAL MARKER - DIRECT APPLIED	EACH	3.0

MODEL: I:\MODEL\NAMES  
FILE: I:\MODEL\NAMES\021-0055\GUARDRAIL.DWG  
PROJECT: I:\PROJECTS\021-0055\GUARDRAIL.DWG  
DATE: 9/16/2020

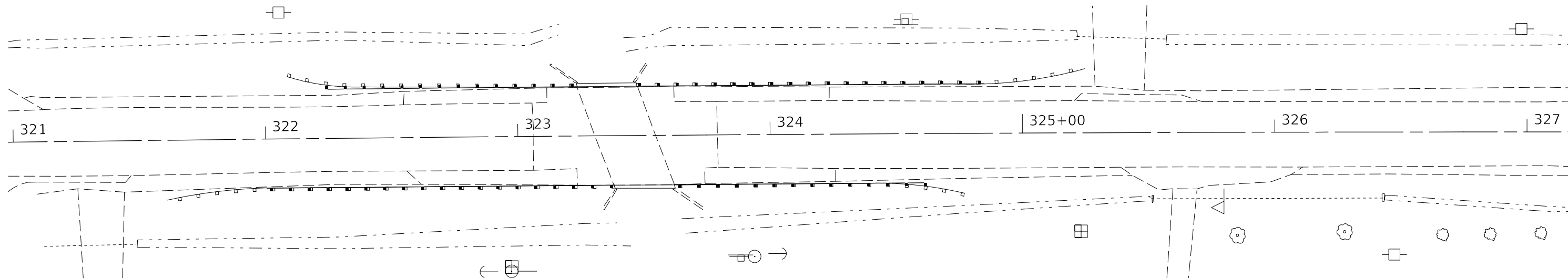
USER NAME = shawleres	DESIGNED -	REVISED -
PLOT SCALE = 40.0000 ' / in.	DRAWN -	REVISED -
PLOT DATE = 9/16/2020	CHECKED -	REVISED -
	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

<b>GUARDRAIL PLAN</b>			
<b>021-0055</b>			
SCALE: 40	SHEET 2	OF 7 SHEETS	STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
749	121BDR	DOUGLAS	62	52
CONTRACT NO. 70D96				
ILLINOIS FED. AID PROJECT				

# GUARDRAIL PLAN S.N. 021-0026



GUARDRAIL & TRAFFIC BARRIER TERMINALS								
Structure 021-0026			63000001	63100087	63100167	78201000	78200410	63200310
	Begin	End	SPBGR TYPE A 6 FT POSTS (foot)	TBT TYPE 6A (each)	TBT TYPE 1 (SPEC) TANG (each)	TERMINAL MARKER DIR APP (each)	GUARDRAIL MARKERS TYPE A (each)	GUARDRAIL REMOVAL (foot)
Side	Station	Station						
Left	322+08.80	323+23.80						115.00
Left	322+23.70	322+73.70			1.0	1.0	1.0	
Left	322+73.70	322+86.20	12.5				1.0	
Left	322+86.20	323+23.70		1.0				
Left	323+47.50	325+25.00						177.50
Left	323+47.50	323+85.00		1.0				
Left	323+85.00	324+35.00	50.0				1.0	
Left	324+35.00	324+85.00			1.0	1.0	1.0	
		<b>Totals</b>	<b>62.5</b>	<b>2.0</b>	<b>2.0</b>	<b>2.0</b>	<b>4.0</b>	<b>292.50</b>

GUARDRAIL & TRAFFIC BARRIER TERMINALS								
Structure 021-0026			63000001	63100087	63100167	78201000	78200410	63200310
	Begin	End	SPBGR TYPE A 6 FT POSTS (foot)	TBT TYPE 6A (each)	TBT TYPE 1 (SPEC) TANG (each)	TERMINAL MARKER DIR APP (each)	GUARDRAIL MARKERS TYPE A (each)	GUARDRAIL REMOVAL (foot)
Side	Station	Station						
Right	321+60.50	323+38.00						177.50
Right	322+00.50	322+50.50			1.0	1.0	1.0	
Right	322+50.50	323+00.50	50.0				1.0	
Right	323+00.50	322+38.00		1.0				
Right	323+62.00	324+77.00						115.00
Right	323+62.00	323+99.50		1.0				
Right	323+99.50	324+12.00	12.5				1.0	
Right	324+12.00	324+62.00			1.0	1.0	1.0	
		<b>Totals</b>	<b>62.5</b>	<b>2.0</b>	<b>2.0</b>	<b>2.0</b>	<b>4.0</b>	<b>292.50</b>

### BILL OF MATERIALS

ITEM	UNIT	TOTAL
GUARDRAIL REMOVAL	FOOT	585.0
STEEL PLATE BEAM GUARDRAIL, TYPE A, 6 FOOT POSTS	FOOT	125.0
TRAFFIC BARRIER TERMINAL, TYPE 6A	EACH	4.0
TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) TANGENT	EACH	4.0
GUARDRAIL MARKERS, TYPE A	EACH	8.0
TERMINAL MARKER - DIRECT APPLIED	EACH	4.0

MODEL: s:\MODEL\MAR15  
 FILE: MAR15 - 1211BDR\021-0026\021-0026.dwg  
 PROJECT: 021-0026  
 OFFICE: 1211BDR  
 DATE: 9/16/2020

USER NAME = shawleres	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 40.0000' / in.	CHECKED -	REVISED -
PLOT DATE = 9/16/2020	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

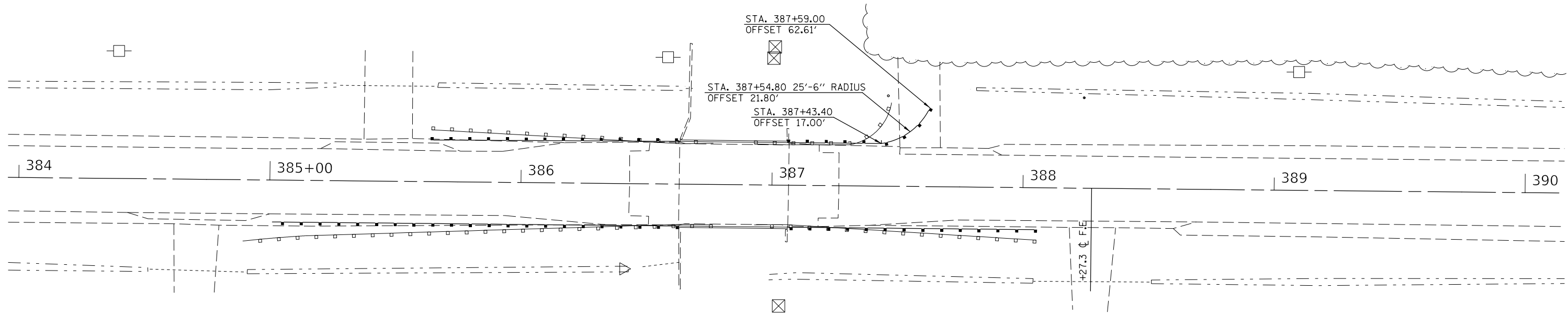
**GUARDRAIL PLAN  
S.N. 021-0026**

SCALE: 40 SHEET 3 OF 7 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
749	121BDR	DOUGLAS	62	53
CONTRACT NO. 70D96				
ILLINOIS FED. AID PROJECT				

# GUARDRAIL PLAN S.N. 021-0054

## PRELIMINARY DESIGN



GUARDRAIL & TRAFFIC BARRIER TERMINALS										
Structure 021-0054			63000001	63100085	63100167	63100045	78201000	78200410	63200310	X6330725
Side	Begin Station	End Station	SPBGR TYPE A 6 FT POSTS (foot)	TBT TYPE 6 (each)	TBT TYPE 1 (SPEC) TANG (each)	TBT TYPE 2 (each)	TERMINAL MARKER DIR APP (each)	GUARDRAIL MARKERS TYPE A (each)	GUARDRAIL REMOVAL (foot)	SPBGR SHORT RADIUS (foot)
Left	385+64.00	386+76.50							112.50	
Left	385+64.00	386+14.00			1.0		1.0	1.0		
Left	386+14.00	386+26.50	12.5					1.0		
Left	386+26.50	386+63.50		1.0						
Left	386+93.00	387+47.50							* 64.50	
Left	387+06.00	387+43.50		1.0						
Left	387+43.50	387+54.80						1.0		* 12.50
Left	387+54.80	387+62.61				1.0				
<b>Totals</b>			12.5	2.0	1.0	1.0	1.0	3.0	177.00	12.50

\* LENGTH ADJUSTED ALONG RADIUS

GUARDRAIL & TRAFFIC BARRIER TERMINALS										
Structure 021-0054			63000001	63100085	63100167	78201000	78200410	63200310		
Side	Begin Station	End Station	SPBGR TYPE A 6 FT POSTS (foot)	TBT TYPE 6 (each)	TBT TYPE 1 (SPEC) TANG (each)	TERMINAL MARKER DIR APP (each)	GUARDRAIL MARKERS TYPE A (each)	GUARDRAIL REMOVAL (foot)		
Right	384+89.50	386+76.50						187.00		
Right	385+01.00	385+51.00			1.0	1.0	1.0			
Right	385+51.00	386+26.00	75.0				1.0			
Right	386+26.00	386+63.50		1.0						
Right	386+93.00	388+05.50						112.50		
Right	387+06.00	387+43.50		1.0						
Right	387+43.50	387+56.00	12.5				1.0			
Right	387+56.00	388+06.00			1.0	1.0	1.0			
<b>Totals</b>			87.5	2.0	2.0	2.0	4.0	299.50		

### BILL OF MATERIALS

ITEM	UNIT	TOTAL
GUARDRAIL REMOVAL	FOOT	476.5
STEEL PLATE BEAM GUARDRAIL, TYPE A, 6 FOOT POSTS	FOOT	100.0
STEEL PLATE BEAM GUARDRAIL, (SHORT RADIUS)	FOOT	12.5
TRAFFIC BARRIER TERMINAL, TYPE 6	EACH	4.0
TRAFFIC BARRIER TERMINAL, TYPE 2	EACH	1.0
TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) TANGENT	EACH	3.0
GUARDRAIL MARKERS, TYPE A	EACH	7.0
TERMINAL MARKER - DIRECT APPLIED	EACH	3.0

MODEL: \\MODEL\NAMES  
FILE: \\MODEL\NAMES  
PROJECT: \\PROJECTS\021-0054\CADD\DATA\CAD\DWG\021-0054\_SHT\_GUARDRAIL\_DETAILS.DWG

USER NAME = shawleres	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 40.0000' / in.	CHECKED -	REVISED -
PLOT DATE = 9/16/2020	DATE -	REVISED -

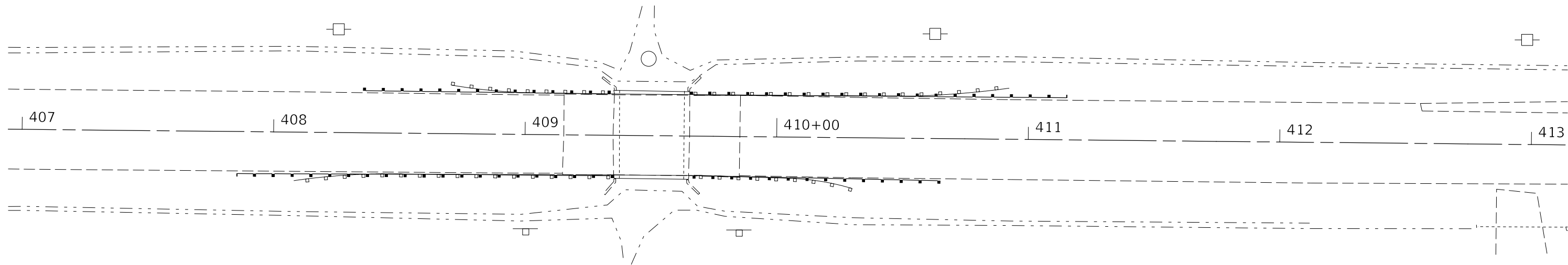
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**GUARDRAIL PLAN  
S.N. 021-0054**

SCALE: 40 SHEET 4 OF 7 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
749	121BDR	DOUGLAS	62	54
CONTRACT NO. 70D96			ILLINOIS FED. AID PROJECT	

# GUARDRAIL PLAN S.N. 021-0056



GUARDRAIL & TRAFFIC BARRIER TERMINALS								
Structure 021-0056			63000001	63100087	63100167	78201000	78200410	63200310
	Begin	End	SPBGR TYPE A 6 FT POSTS (foot)	TBT TYPE 6A (each)	TBT TYPE 1 (SPEC) TANG (each)	TERMINAL MARKER DIR APP (each)	GUARDRAIL MARKERS TYPE A (each)	GUARDRAIL REMOVAL (foot)
Side	Station	Station	(foot)	(each)	(each)	(each)	(each)	(foot)
Left	408+70.50	409+33.50						63.00
Left	408+35.50	408+85.50			1.0	1.0	1.0	
Left	408+85.50	408+98.00	12.5				1.0	
Left	408+98.00	409+35.50		1.0				
Left	409+67.00	410+92.00						125.00
Left	409+65.00	410+02.50		1.0				
Left	410+02.50	410+65.00	62.5				1.0	
Left	410+65.00	411+15.00			1.0	1.0	1.0	
		<b>Totals</b>	<b>75.0</b>	<b>2.0</b>	<b>2.0</b>	<b>2.0</b>	<b>4.0</b>	<b>188.00</b>

GUARDRAIL & TRAFFIC BARRIER TERMINALS								
Structure 021-0056			63000001	63100087	63100167	78201000	78200410	63200310
	Begin	End	SPBGR TYPE A 6 FT POSTS (foot)	TBT TYPE 6A (each)	TBT TYPE 1 (SPEC) TANG (each)	TERMINAL MARKER DIR APP (each)	GUARDRAIL MARKERS TYPE A (each)	GUARDRAIL REMOVAL (foot)
Side	Station	Station	(foot)	(each)	(each)	(each)	(each)	(foot)
Right	408+08.00	409+34.00						126.00
Right	407+85.50	408+35.50			1.0	1.0	1.0	
Right	408+35.50	408+98.00	62.5				1.0	
Right	408+98.00	409+35.50		1.0				
Right	409+67.00	410+30.00						63.00
Right	409+65.00	410+02.50		1.0				
Right	410+02.50	410+15.00	12.5				1.0	
Right	410+15.00	410+65.00			1.0	1.0	1.0	
		<b>Totals</b>	<b>75.0</b>	<b>2.0</b>	<b>2.0</b>	<b>2.0</b>	<b>4.0</b>	<b>189.00</b>

### BILL OF MATERIALS

ITEM	UNIT	TOTAL
GUARDRAIL REMOVAL	FOOT	377.0
STEEL PLATE BEAM GUARDRAIL, TYPE A, 6 FOOT POSTS	FOOT	150.0
TRAFFIC BARRIER TERMINAL, TYPE 6A	EACH	4.0
TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) TANGENT	EACH	4.0
GUARDRAIL MARKERS, TYPE A	EACH	8.0
TERMINAL MARKER - DIRECT APPLIED	EACH	4.0

MODEL: I:\MODEL\NAME\...  
FILE: NAME: I:\MODEL\NAME\...  
PROJECT: I:\MODEL\NAME\...  
DATE: 9/16/2020

USER NAME = shawleres	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 40.0000 ' / in.	CHECKED -	REVISED -
PLOT DATE = 9/16/2020	DATE -	REVISED -

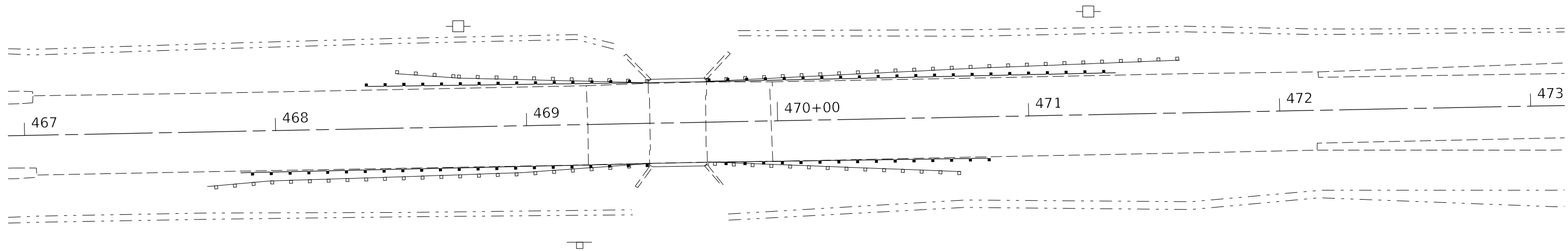
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**GUARDRAIL PLAN  
S.N. 021-0056**

SCALE: 40 SHEET 5 OF 7 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
749	121BDR	DOUGLAS	62	55
			CONTRACT NO. 70D96	
ILLINOIS FED. AID PROJECT				

# GUARDRAIL PLAN S.N. 021-2020



GUARDRAIL & TRAFFIC BARRIER TERMINALS								
Structure 021-2020			63000001	63100087	63100167	78201000	78200410	63200310
Side	Begin Station	End Station	SPBGR TYPE A 6 FT POSTS (foot)	TBT TYPE 6A (each)	TBT TYPE 1 (SPEC) TANG (each)	TERMINAL MARKER DIR APP (each)	GUARDRAIL MARKERS TYPE A (each)	GUARDRAIL REMOVAL (foot)
Left	468+48.00	469+49.00						101.00
Left	468+36.00	468+86.00			1.0	1.0	1.0	
Left	468+86.00	469+11.00	25.0				1.0	
Left	469+11.00	469+48.50		1.0				
Left	469+72.00	471+60.50						188.50
Left	469+72.50	470+10.00		1.0				
Left	470+10.00	470+85.00	75.0				1.0	
Left	470+85.00	471+35.00			1.0	1.0	1.0	
		<b>Totals</b>	<b>100.0</b>	<b>2.0</b>	<b>2.0</b>	<b>2.0</b>	<b>4.0</b>	<b>289.50</b>

GUARDRAIL & TRAFFIC BARRIER TERMINALS								
Structure 021-2020			63000001	63100087	63100167	78201000	78200410	63200310
Side	Begin Station	End Station	SPBGR TYPE A 6 FT POSTS (foot)	TBT TYPE 6A (each)	TBT TYPE 1 (SPEC) TANG (each)	TERMINAL MARKER DIR APP (each)	GUARDRAIL MARKERS TYPE A (each)	GUARDRAIL REMOVAL (foot)
Right	467+72.50	469+49.00						176.50
Right	467+86.00	468+36.00			1.0	1.0	1.0	
Right	468+36.00	469+11.00	75.0				1.0	
Right	469+11.00	469+48.50		1.0				
Right	469+71.50	470+72.50						101.00
Right	469+72.00	470+09.50		1.0				
Right	470+09.50	470+34.50	25.0				1.0	
Right	470+34.50	470+84.50			1.0	1.0	1.0	
		<b>Totals</b>	<b>100.0</b>	<b>2.0</b>	<b>2.0</b>	<b>2.0</b>	<b>4.0</b>	<b>277.50</b>

### BILL OF MATERIALS

ITEM	UNIT	TOTAL
GUARDRAIL REMOVAL	FOOT	567.0
STEEL PLATE BEAM GUARDRAIL, TYPE A, 6 FOOT POSTS	FOOT	200.0
TRAFFIC BARRIER TERMINAL, TYPE 6A	EACH	4.0
TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) TANGENT	EACH	4.0
GUARDRAIL MARKERS, TYPE A	EACH	8.0
TERMINAL MARKER - DIRECT APPLIED	EACH	4.0

MODEL: s:\MODEL\MARIS  
 FILE: MARIS - 2020\Illinois\DOT\Documents\DOT - Office\Drawings\Projects\021-2020\CADD\021-2020\021-2020\_Sht\_Guardrail\_Details.dgn

USER NAME = shawleres	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 40.0000 ' / in.	CHECKED -	REVISED -
PLOT DATE = 9/16/2020	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

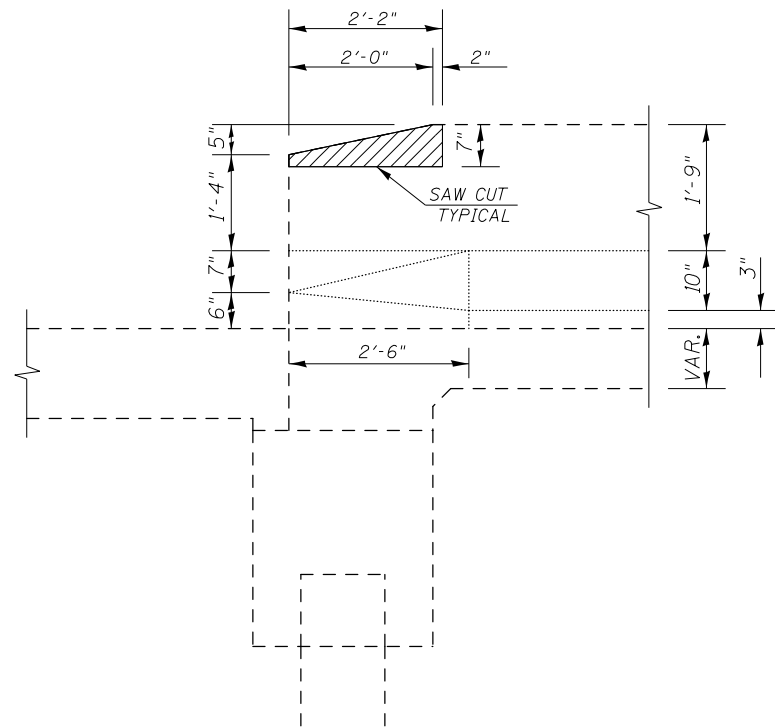
**GUARDRAIL PLAN  
S.N. 021-2020**

SCALE: 40 SHEET 6 OF 7 SHEETS STA. TO STA.

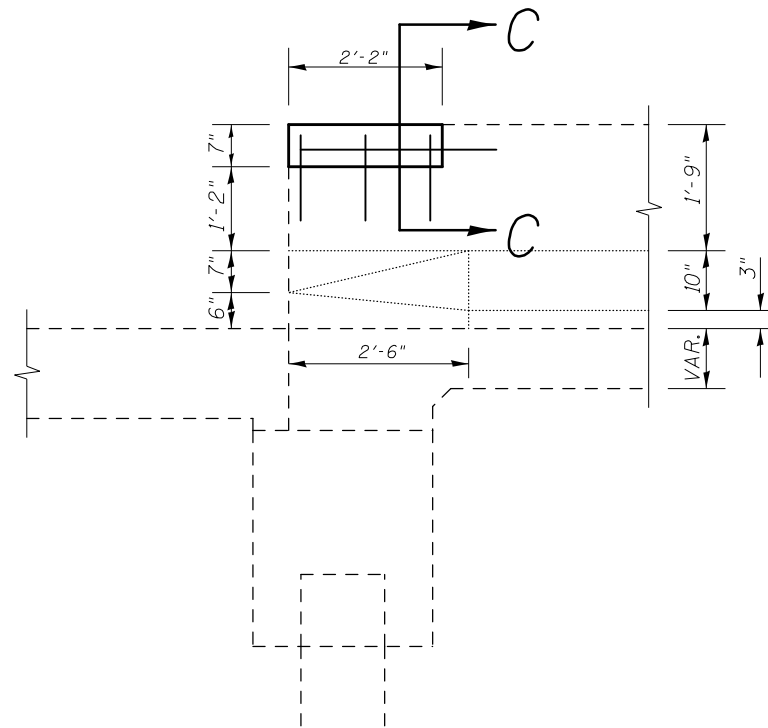
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
749	121BDR	DOUGLAS	62	56
			CONTRACT NO. 70D96	
ILLINOIS FED. AID PROJECT				



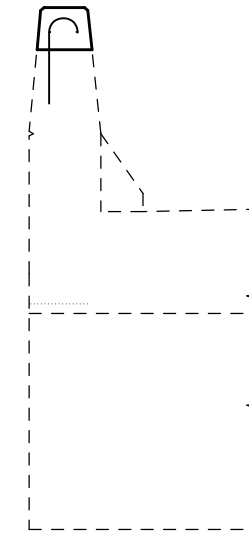
# PARAPET WALL EXTENTION FOR T.B.T. TYPE 6 STRUCTURES 021-0053, 021-0055, 021-0054



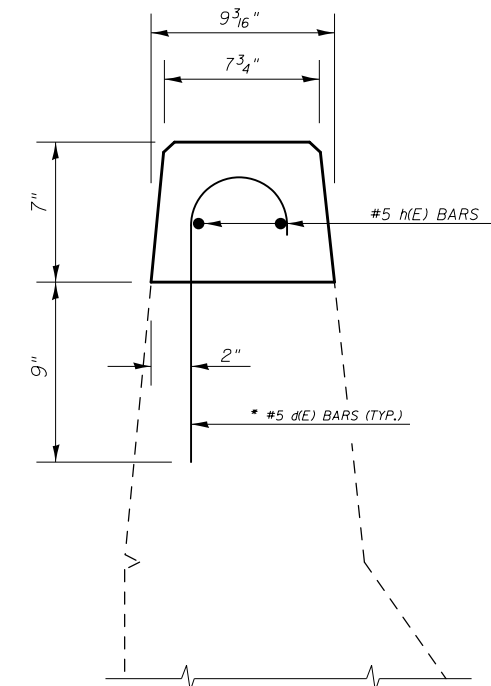
**EXISTING ELEVATION**



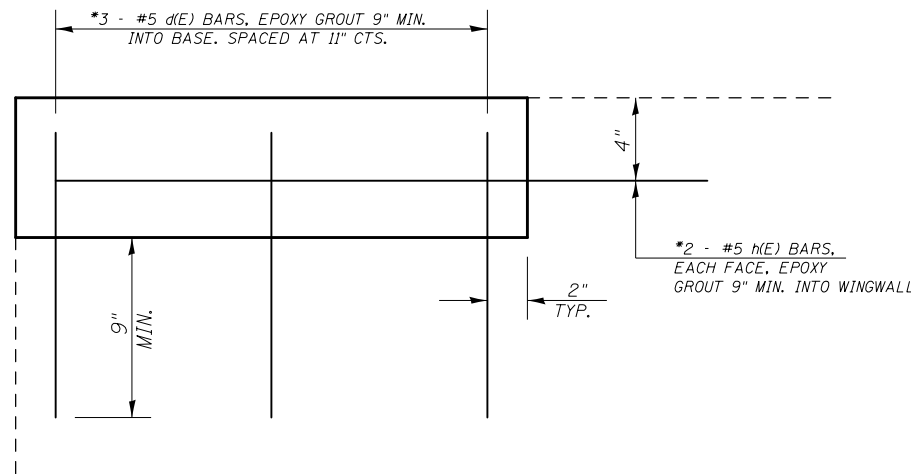
**PROPOSED ELEVATION**



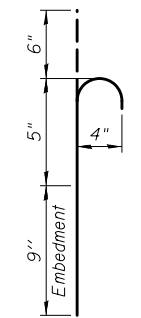
**END VIEW**



**SECTION C-C**



**ELEVATION AT WINGWALL**



**BAR d3(E)**

### GENERAL NOTES

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 SCOPE OF WORK, HOWEVER, THE CONTRACTOR WILL BE PAID FOR THE QUANTITY ACTUALLY FURNISHED AT THE UNIT PRICE BID FOR THE WORK.

\* EPOXY GROUT BARS IN 9" MIN. HOLES ACCORDING TO ARTICLE 584 OF THE STANDARD SPECIFICATIONS.

THE COST OF EPOXY GROUTING BARS SHALL BE INCLUDED WITH REINFORCEMENT BARS (EPOXY COATED).

REINFORCEMENT BARS DESIGNATED (E) SHALL BE EPOXY COATED.

TOTAL BILL OF MATERIALS				
BAR	SHAPE	NO.	SIZE	LENGTH
d(E)		36	#5	1'-8"
h(E)		24	#5	2'-9"
CONCRETE REMOVAL			CU YD	0.3
CONCRETE SUPERSTRUCTURE			CU YD	0.5
REINFORCEMENT BARS, EPOXY COATED			POUND	132.0
PROTECTIVE COAT			SQ YD	3.6

BILL OF MATERIAL QUANTITIES INCLUDE ALL 4 WINGWALLS. AT STRUCTURES 021-0053, 021-0055, 021-0054

MODEL: \\MODEL\NAME: FILE: \\NAME: P:\pub\mcom\m.d\illinois\pwr\PROJECTS\DOT Documents\DOT Office\Drawings\021-0053\021-0053\021-0053.dwg

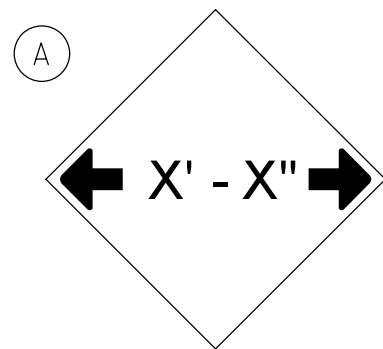
USER NAME = shawleres	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 40.0000 ' / in.	CHECKED -	REVISED -
PLOT DATE = 10/29/2020	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**PARAPET WALL EXTENTION FOR T.B.T. TYPE 6  
S.N. 021-0053, S.N. 021-0055, S.N. 021-0054**

SCALE: SHEET 7 OF 7 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
749	121BDR	DOUGLAS	62	57
ILLINOIS FED. AID PROJECT			CONTRACT NO. 70D96	



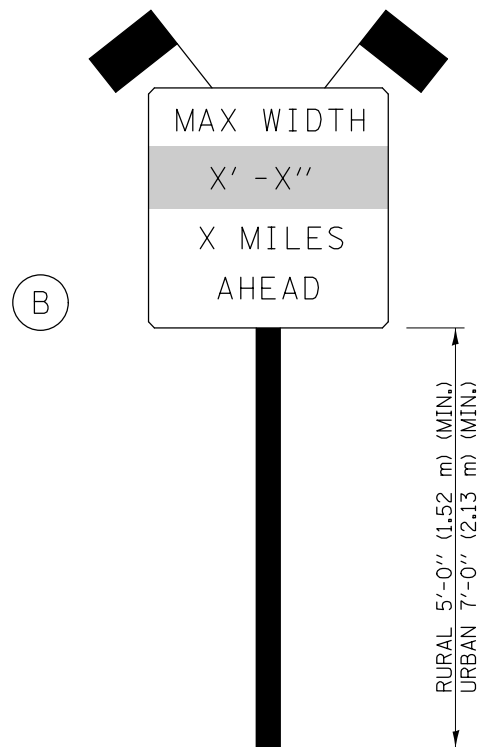
W12-2(O)-48"x48"(1200x1200)

SIGN (A) 2 SIGNS - W12-2(O)-48"x48"(1200x1200) ARE TO BE PLACED AS SHOWN IN THE PLANS OR AS DIRECTED BY THE ENGINEER.

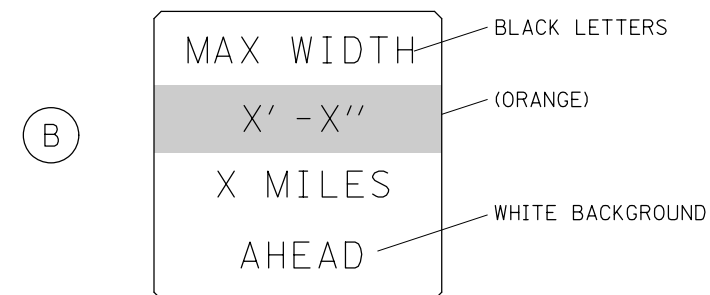
**STAGE WIDTHS:**

**STAGE 1 WIDTH = 12'-0" ACTUAL; 10'-6" POSTED; REQUIRED**

**STAGE 2 WIDTH = 13'-0" ACTUAL; 11'-6" POSTED; REQUIRED**



SIGN PANEL, TYPE II



W12-I103(O)-48"x48"(1200x1200)  
"D" LETTERS/NUMBERS

SIGN (B) 2 SIGNS - (SIGN PANEL, TYPE II) AS SHOWN ARE TO BE PLACED AS SHOWN IN THE PLANS OR AS DIRECTED BY THE ENGINEER.

GENERAL NOTES

1. ALL TRAFFIC CONTROL DEVICES SHALL BE FURNISHED, ERECTED AND MAINTAINED BY THE CONTRACTOR.
2. ALL (B) SIGNS SHALL HAVE FLAGS INSTALLED UNLESS OTHERWISE DIRECTED.
3. LOCATIONS OF TRAFFIC CONTROL DEVICES MAY BE ADJUSTED BY THE ENGINEER.
4. ALL TRAFFIC CONTROL SHOWN ON THIS SHEET SHALL BE PAID FOR AT THE CONTRACT LUMP SUM PRICE FOR WIDTH RESTRICTION SIGNING.
5. ALL SIGNS SHALL BE POST MOUNTED UNLESS OTHERWISE DIRECTED.
6. ALL SIGNS SHOWN ORANGE (O) SHALL BE FLUORESCENT ORANGE.
7. ALL SIGNS SHOWN SHALL CONSIST OF THE CURRENT RETROREFLECTIVE SHEETING REQUIREMENTS AS OUTLINED IN SECTION 1106.01 OF THE STANDARD SPECIFICATIONS BOOK.

Note: All dimensions are in INCHES (millimeters) unless otherwise shown.

MODEL: \\MODEL\MRF5  
FILE: \\mrf5\_p\pub\mrf5\mrf5.dwg  
PROJECT: \\PROJECTS\DOT\Projects\DOT\Office\1106\1106.dwg  
DATE: 9/16/2020

USER NAME = shawleres	DESIGNED -	REVISED - ESS 4-2-2020
	DRAWN -	REVISED -
PLOT SCALE = 40.0000 ' / in.	CHECKED -	REVISED -
PLOT DATE = 9/16/2020	DATE -	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

**WIDTH RESTRICTION SIGNING**

SCALE: SHEET 1 OF 5 SHEETS STA. TO STA.

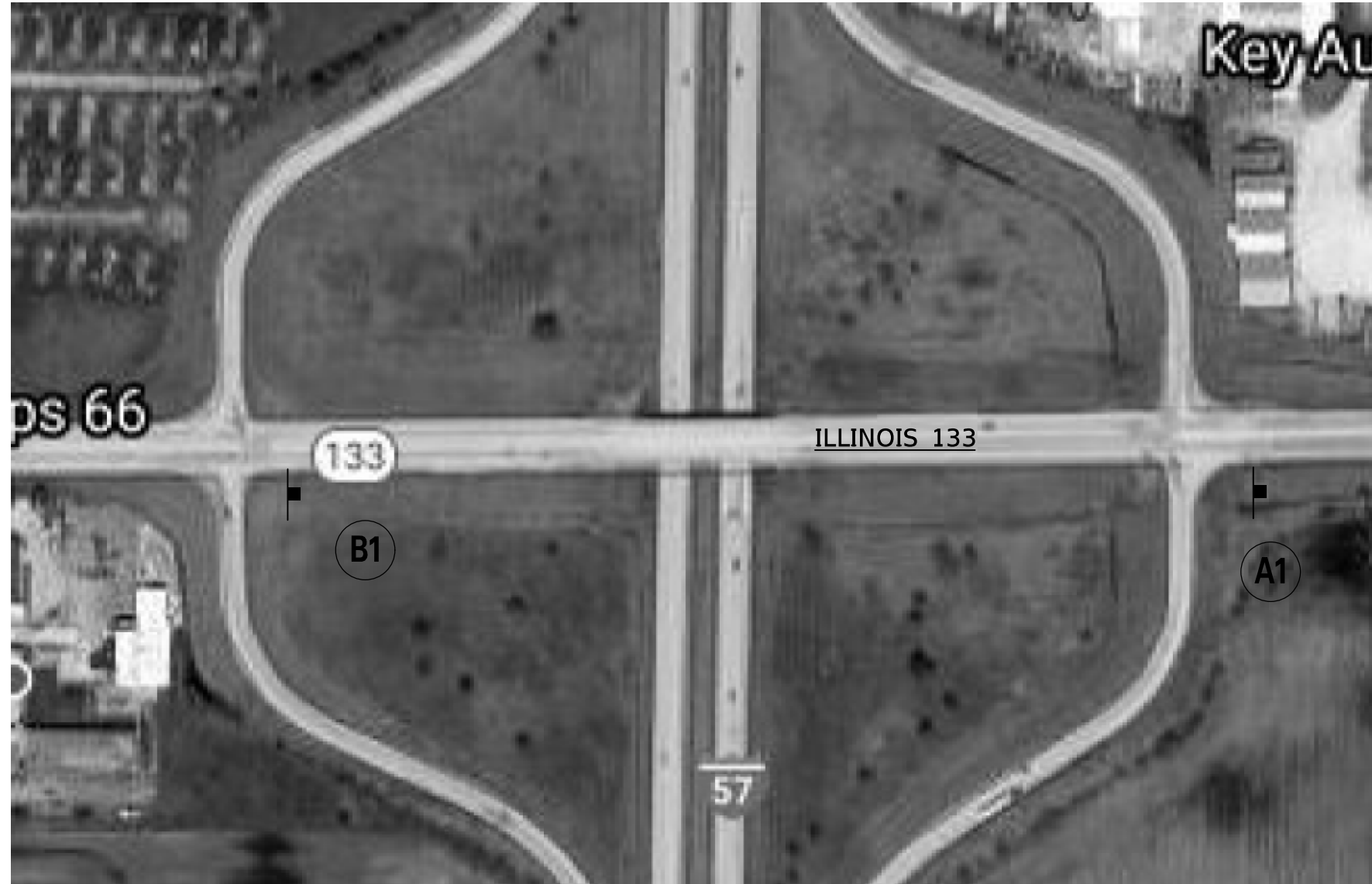
**DISTRICT 5 DETAIL NO. X7200201**

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
749	121BDR	DOUGLAS	62	58
			CONTRACT NO. 70D96	
			ILLINOIS FED. AID PROJECT	

**S.N. 021-0053 & S.N. 021-0055 & S.N. 021-0026 & S.N. 021-0054 & 021-0056 & S.N. 021-2020**  
**WIDTH RESTRICTION SIGNINGS**  
**FOR IL-133 TRAFFIC**



INTERCHANGE OF FAI-57 & ILLINOIS-133 AT ARCOLA



**B1** IL 133 EAST BOUND  
 ERECT +/- 50 FT. EAST OF ON RAMP

**A1** I-57 EXIT RAMP  
 ERECT BY TOURIST INFORMATION SIGN  
 INCLUDE: "MILES" AHEAD SIGN

MILES

MODEL: \\MODEL\MARTE  
 FILE NAME: P:\pub\mcom\ma.dta\illinois.gov\PIWDOT\Documents\DOT\_Offices\District 5\Projects\0570D96\CADD\0570D96\_Sht\_01.dwg; rest:tbl.tbl;

USER NAME = shawleres	DESIGNED - ESS 4-2-2020	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 40,0000 ' / in.	CHECKED -	REVISED -
PLOT DATE = 9/16/2020	DATE -	REVISED -

**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

**WIDTH RESTRICTION SIGNING**

SCALE: SHEET 2 OF 5 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
749	121BDR	DOUGLAS	62	59
			CONTRACT NO. 70D96	
		ILLINOIS	FED. AID PROJECT	

S.N. 021-0053 & S.N. 021-0055 & S.N. 021-0026 & S.N. 021-0054 & 021-0056 & S.N. 021-2020

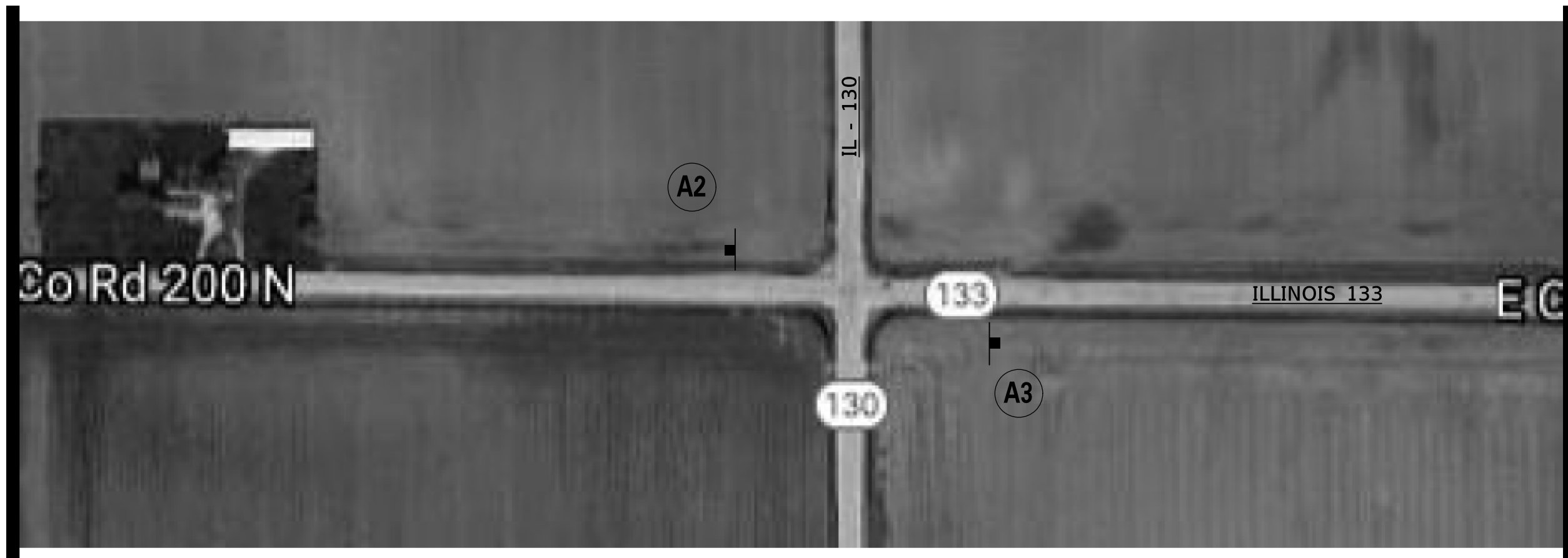
**WIDTH RESTRICTION SIGNINGS  
FOR IL-133 TRAFFIC**



**A2** IL 133 WEST BOUND  
ERECT BY WEST IL 133 SIGN

**A3** IL 133 EAST BOUND  
ERECT BY EAST IL 133 SIGN

INTERSECTION OF ILLINOIS-130 & ILLINOIS-133



MODEL: s:\MODEL\NAME  
FILE: NAME: s:\pub\m\com\ma\data\illinois\pwr\WIDDOT\Documents\DOT\_Offices\Illintct 5\Projects\0570D96\CADD\DATA\CADD\resrcs\0570D96\_sht\_widrb\_restrtblba.dgn

USER NAME = shawleres	DESIGNED - ESS 4-2-2020	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 40,0000 ' / in.	CHECKED -	REVISED -
PLOT DATE = 9/16/2020	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**WIDTH RESTRICTION SIGNING**

SCALE: SHEET 3 OF 5 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
749	121BDR	DOUGLAS	62	60
			CONTRACT NO. 70D96	
			ILLINOIS FED. AID PROJECT	

**S.N. 021-0053 & S.N. 021-0055 & S.N. 021-0026 & S.N. 021-0054 & 021-0056 & S.N. 021-2020**  
**WIDTH RESTRICTION SIGNINGS**  
**FOR IL-133 TRAFFIC**



**A4** IL 133 WEST BOUND  
 ERECT +/- 100 FT. WEST OF WALNUT ST.  
 INCLUDE: "MILES" AHEAD SIGN



INTERSECTION OF WALNUT ST. & ILLINOIS-133 AT OAKLAND



MODEL: \\MODEL\MARTE  
 FILE: \\MARTE\_Plan\Public\com\ma\da\illinois.gov\PI\DOT\Documents\DOT\_Offices\District 5\Projects\0570D96\CADD\0570D96\_sht\_walnut\_restrict.tbl.dgn

USER NAME = shawleres	DESIGNED - ESS 4-2-2020	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 40,0000 ' / in.	CHECKED -	REVISED -
PLOT DATE = 9/16/2020	DATE -	REVISED -

**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

**WIDTH RESTRICTION SIGNING**

SCALE: SHEET 4 OF 5 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
749	121BDR	DOUGLAS	62	61
CONTRACT NO. 70D96				
ILLINOIS FED. AID PROJECT				

