

- NOTES:**
1. WIRELESS DETECTION SENSORS SHALL BE CENTERED IN THE SAME LANE AND SHALL BE 20' APART.
 2. THE SOLAR REPEATER SHALL BE INSTALLED ON THE EXISTING LIGHT POLE. THE REPEATER SHALL BE SENSYS FLEX-FPT3-SLR.
 3. FUTURE LAKE COUNTY DOT FIBER OPTIC CONNECTION BY OTHERS.

MODEL: Defn.dwg
 FILE NAME: I:\GIS\Projects\22145\04_CADD\CADD_Sheets\Contract_2\New_SolentIS_P\ANSI\62N91-C2-Hot-Rt-17.dwg



USER NAME = vnuirez	DESIGNED - SG	REVISED -
	DRAWN - MAG/VN	REVISED -
PLOT SCALE = 100,0000' / in.	CHECKED - RP	REVISED -
PLOT DATE = 12/12/2024	DATE - 12/13/2024	REVISED -

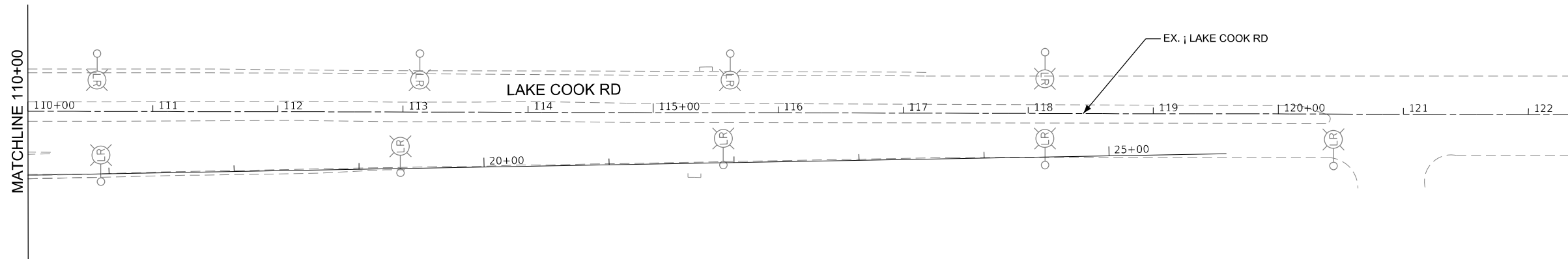
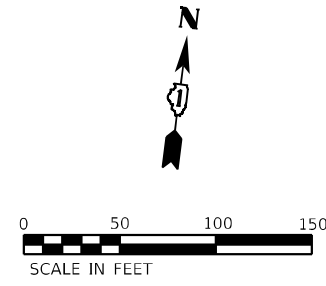
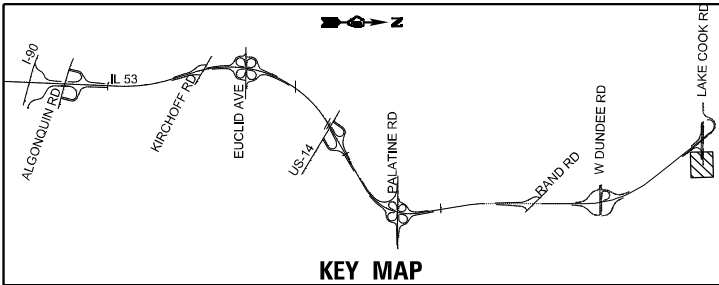
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

IL ROUTE 53
ITS INSTALLATION PLAN

SCALE: 1" = 50'
SHEET OF SHEETS STA. TO STA.

F.A.P. RTE. 342	SECTION 2018-100-BR	COUNTY COOK	TOTAL SHEETS 1351	SHEET NO. 701
CONTRACT NO. 62N91				
ILLINOIS FED. AID PROJECT				

ITS-48



MODEL: D:\p\h\...
 FILE NAME: I:\G1\Projects\27145\04_CADD\CADD_Sheets\Contract_2\New_SolentIS_PLANS\62N91-C2-Hot-rf-48.dgn



USER NAME = vnuirez	DESIGNED - SG	REVISED -
PLOT SCALE = 100,0000' / in.	DRAWN - MAG/VN	REVISED -
PLOT DATE = 12/12/2024	CHECKED - RP	REVISED -
	DATE - 12/13/2024	REVISED -

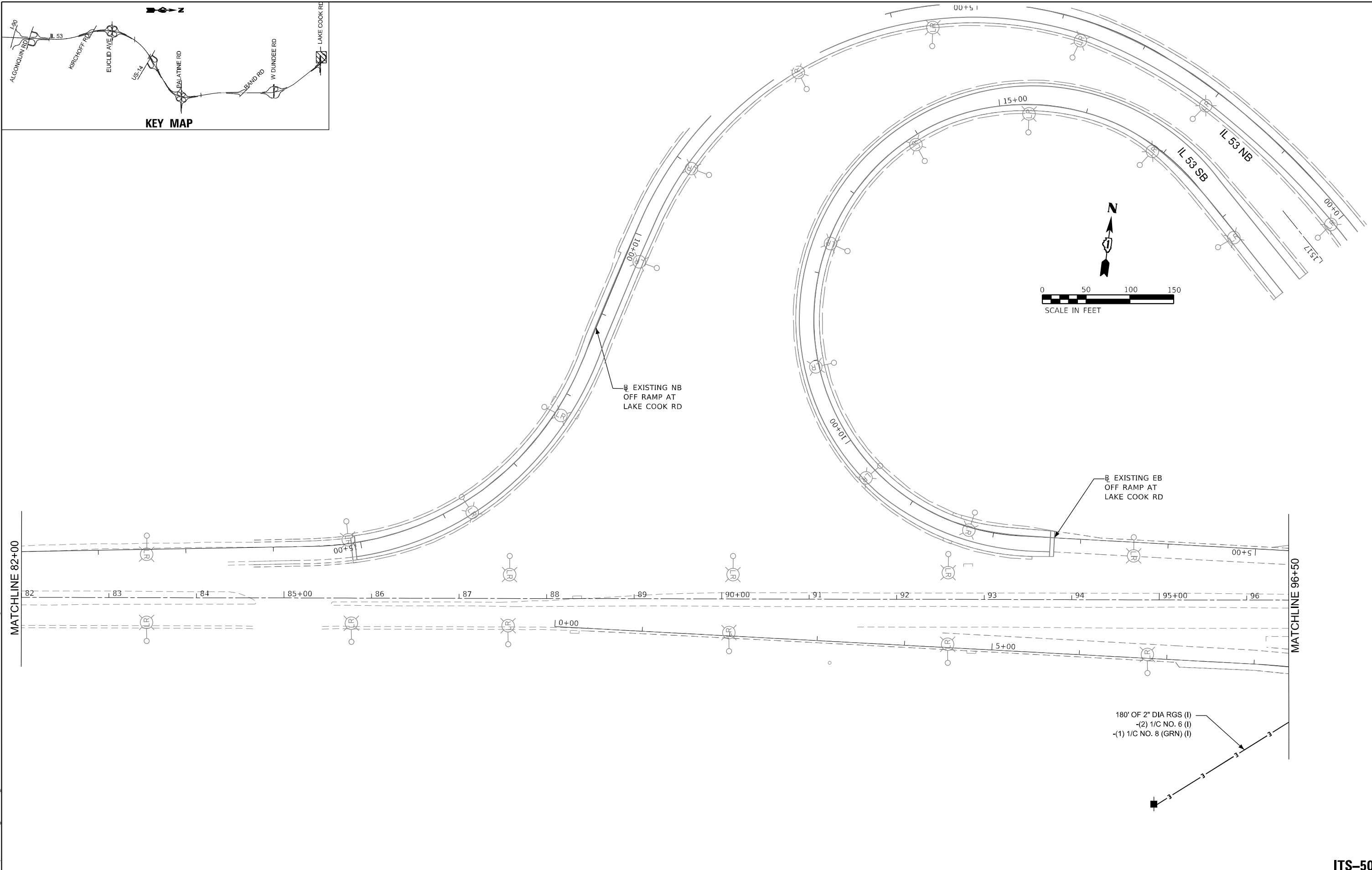
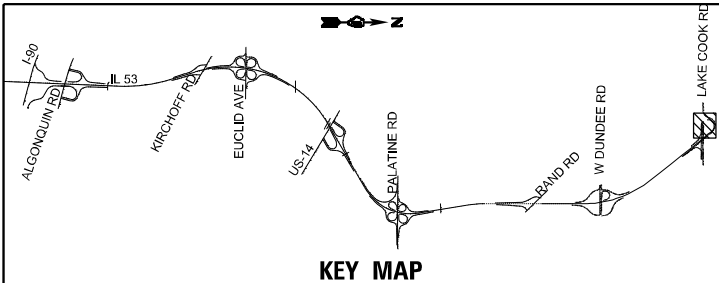
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

IL ROUTE 53
ITS INSTALLATION PLAN

SCALE: 1" = 50' SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
342	2018-100-BR	COOK	1351	702
CONTRACT NO. 62N91				
ILLINOIS FED. AID PROJECT				

ITS-49



MODEL: D:\p\h\p\...
 FILE NAME: I:\GIS\Projects\27145\04_CADD\CADD_Sheets\Contract_2\New_SolentIS_P\ANSI\162N91-C2-Hot-rte-It-48.dwg



USER NAME = vtorrez	DESIGNED - SG	REVISED -
DRAWN - MAG/VN	REVISOR -	REVISED -
PLOT SCALE = 100,0000' / in.	CHECKED - RP	REVISED -
PLOT DATE = 12/12/2024	DATE - 12/13/2024	REVISED -

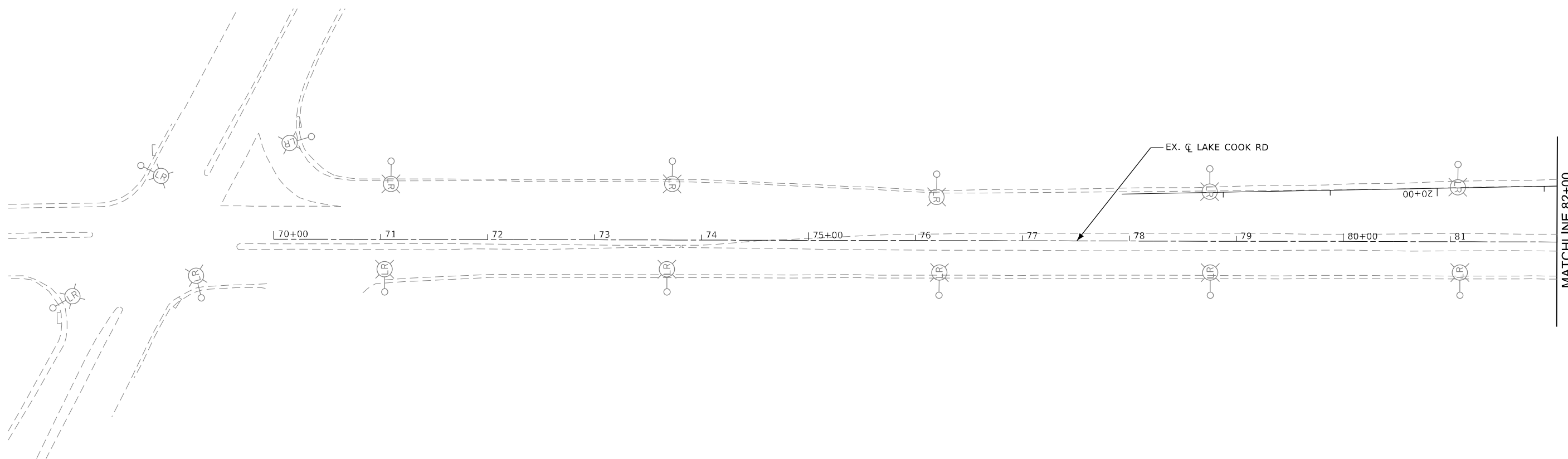
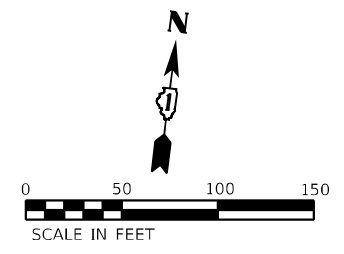
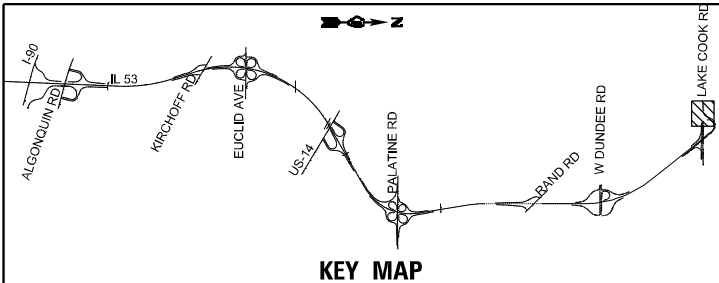
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**IL ROUTE 53
ITS INSTALLATION PLAN**

SCALE: 1" = 50' SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
342	2018-100-BR	COOK	1351	703
CONTRACT NO. 62N91				
ILLINOIS FED. AID PROJECT				

ITS-50



MODEL Path: H:\119\Projects\27145\04_CADD\CADD_Sheets\Contract_2\New_SolentITS_PLANS\62N91-C2-Hot-rft-50.dgn
 FILE NAME: H:\119\Projects\27145\04_CADD\CADD_Sheets\Contract_2\New_SolentITS_PLANS\62N91-C2-Hot-rft-50.dgn



USER NAME = vnuirez	DESIGNED - SG	REVISED -
	DRAWN - MAG/VN	REVISED -
PLOT SCALE = 100,0000' / in.	CHECKED - RP	REVISED -
PLOT DATE = 12/12/2024	DATE - 12/13/2024	REVISED -

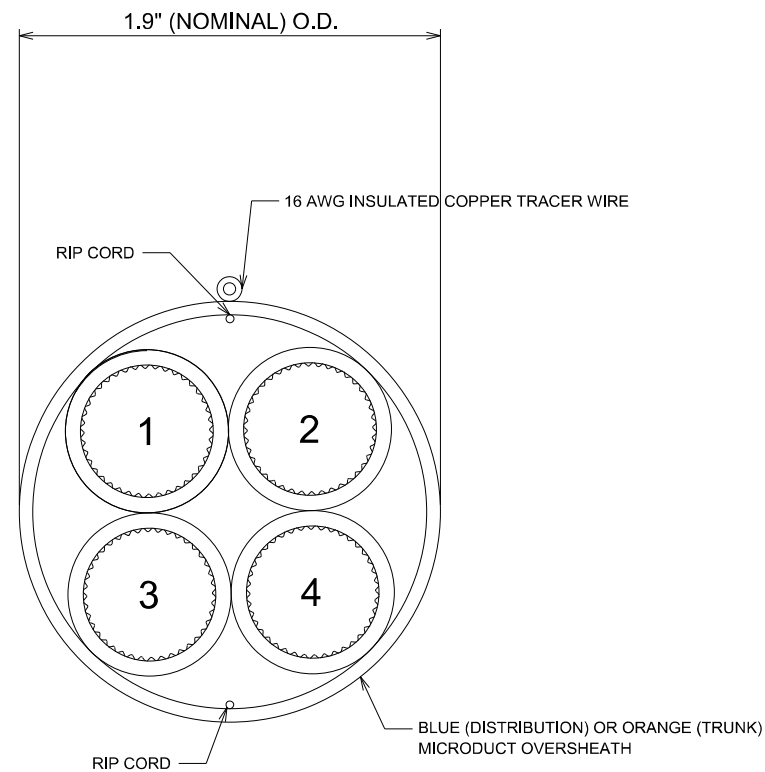
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

IL ROUTE 53
ITS INSTALLATION PLAN

SCALE: 1" = 50' SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
342	2018-100-BR	COOK	1351	704
CONTRACT NO. 62N91			ILLINOIS FED. AID PROJECT	

ITS-51

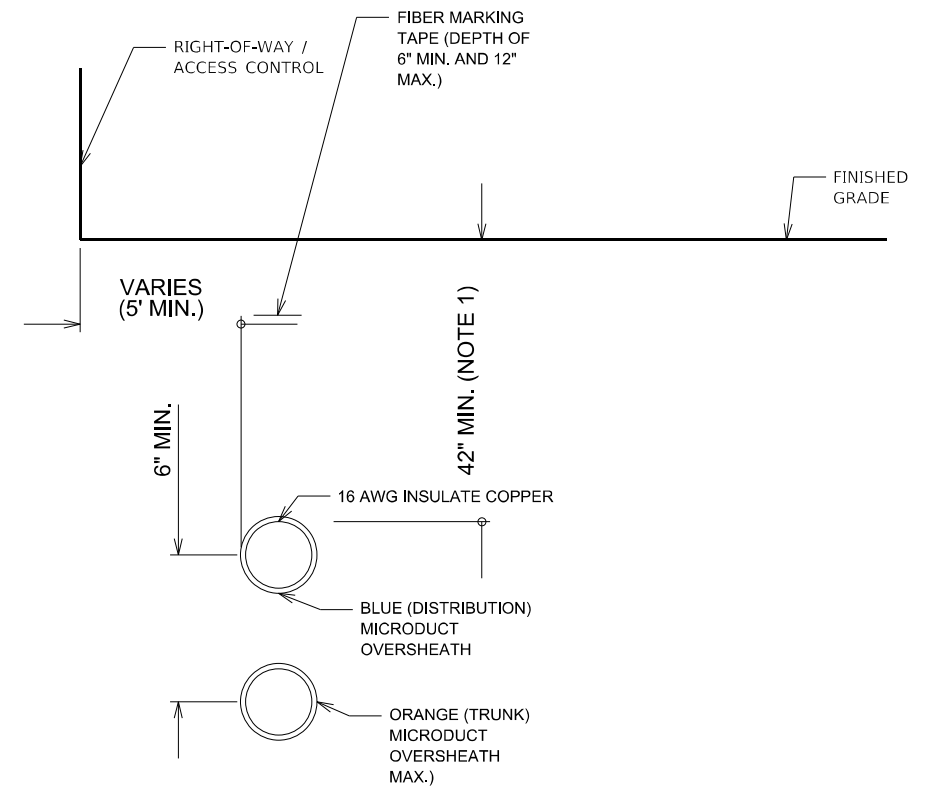


IDOT MICRODUCT DETAIL

CELL NO.	CELL COLOR	CELL ALLOCATION
1	BLUE	144 IDOT (DCF)
2	ORANGE	SPARE
3	GREEN	SPARE
4	BROWN	SPARE

CELL NO.	CELL COLOR	CELL ALLOCATION
1	BLUE	SPARE
2	ORANGE	144 IDOT (TCF)
3	GREEN	SPARE
4	BROWN	SPARE

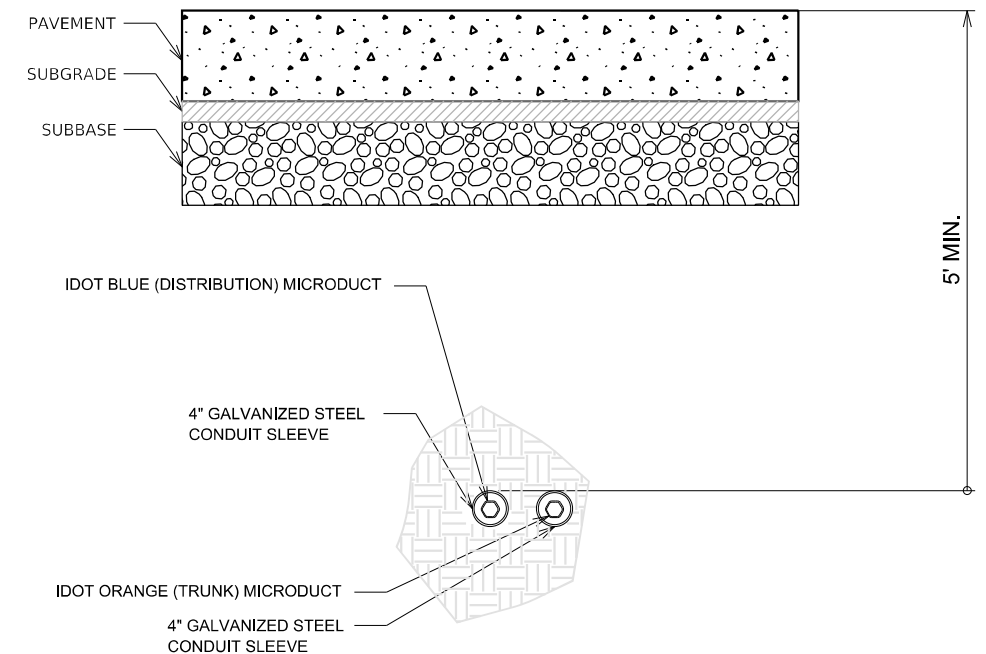
IDOT MICRODUCT CELL INFORMATION



**IL RTE 53 SOUTHBOUND
TYPICAL CONDUIT SECTION**

NOTES

- GREATER DEPTH MAY BE REQUIRED IN CERTAIN SITUATIONS, INCLUDING, BUT NOT LIMITED TO: ENTERING HANDHOLES/VAULTS, UTILITY AVOIDANCE, CROSSING BENEATH BOX CULVERTS.



BORED CONDUIT UNDER ROADWAY

MODEL Path: \\sqa\project\2024\143104_CADD\CADD_Sheets\Contract_2\New\idot\ITS_PLANS\IDOT\162119\1-C2-Idot-rtr-its-52.dgn
FILE NAME: \\sqa\project\2024\143104_CADD\CADD_Sheets\Contract_2\New\idot\ITS_PLANS\IDOT\162119\1-C2-Idot-rtr-its-52.dgn



USER NAME = vturnez	DESIGNED - SG	REVISED -
PLOT SCALE = 100,0000' / in.	DRAWN - MAG/VN	REVISED -
PLOT DATE = 12/12/2024	CHECKED - RP	REVISED -
	DATE - 12/13/2024	REVISED -

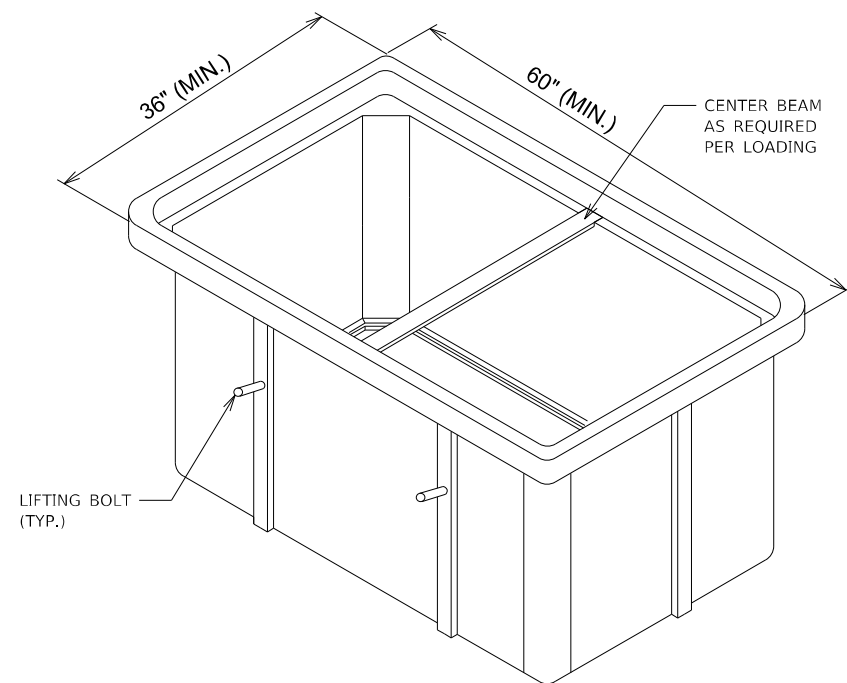
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ITS INFRASTRUCTURE DETAILS
MICRODUCT AND CONDUIT ROUTING

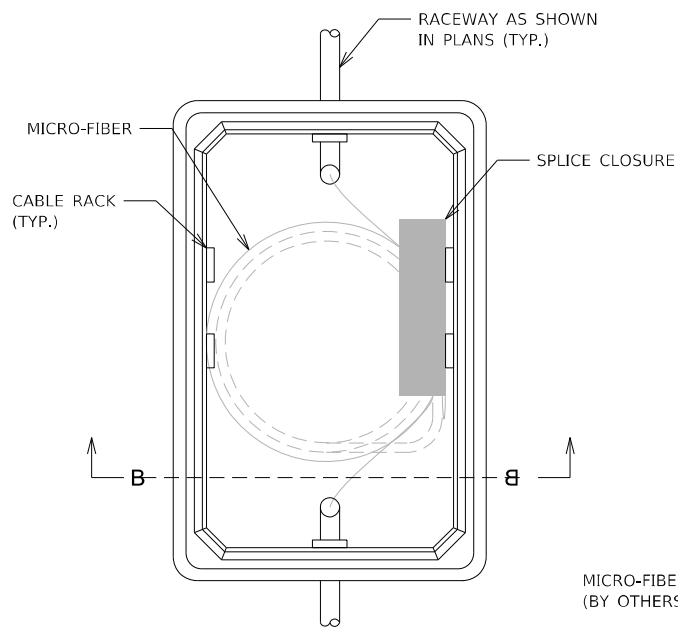
SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
342	2018-100-BR	COOK	1351	705
CONTRACT NO. 62N91			ILLINOIS FED. AID PROJECT	

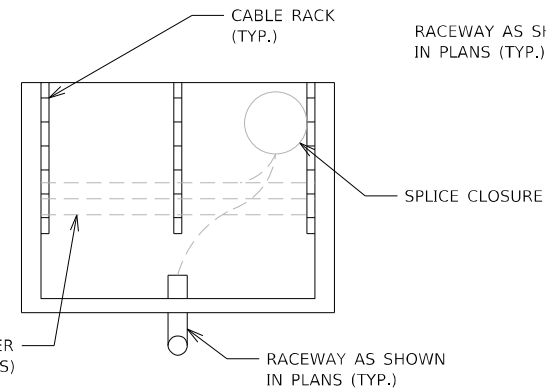
ITS-52



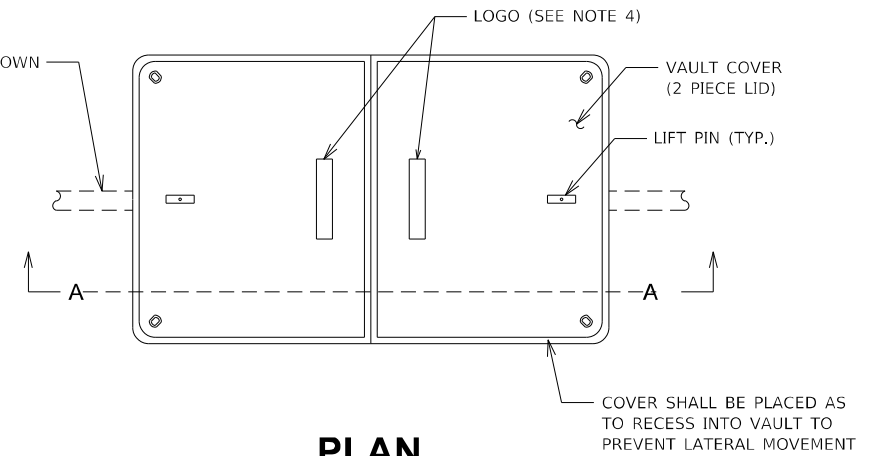
**VAULT BOX
ISOMETRIC VIEW**



TOP VIEW



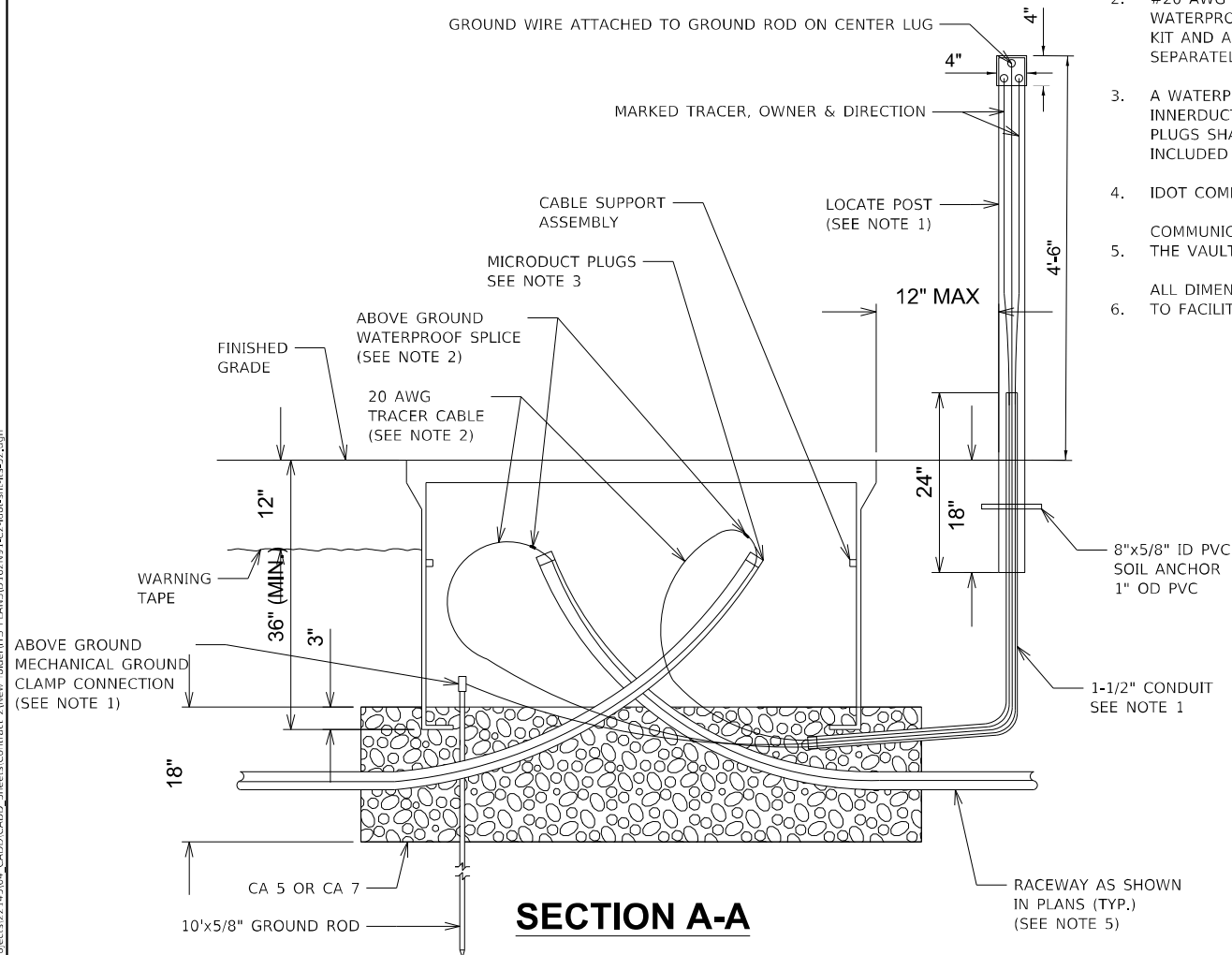
SECTION B-B



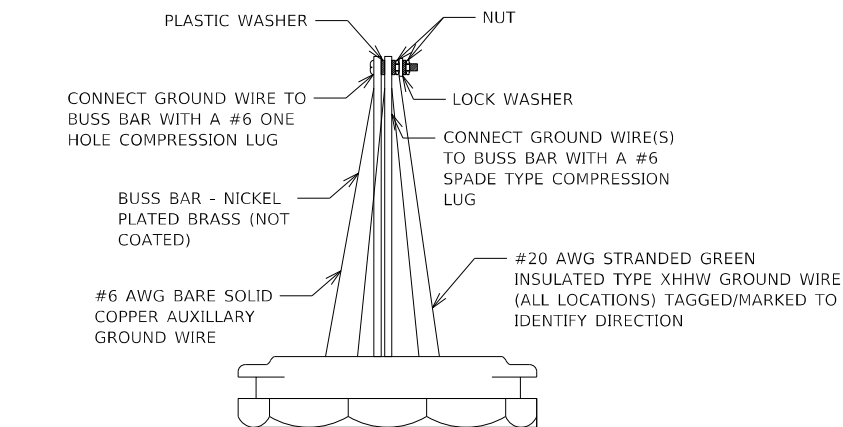
PLAN

NOTES:

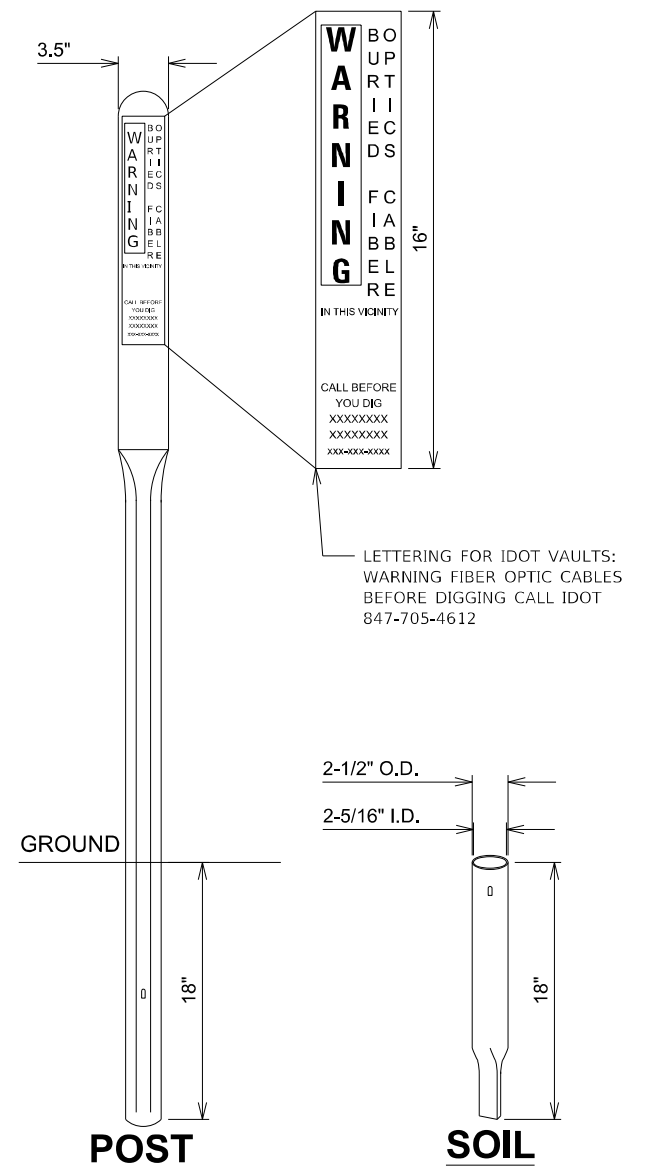
- GROUND ROD, 1-1/2" CONDUIT, #6 AWG GROUND WIRE, LOCATE POST AND ASSOCIATED WORK ARE INCLUDED AS PART OF COMMUNICATIONS VAULT AND WILL NOT BE PAID FOR SEPARATELY. ALL MATERIALS FOR MECHANICAL CONNECTION SHALL BE UL LISTED AND INSTALLED PER NEC ARTICLE 250.
- #20 AWG TRACER CABLE SHALL BE SPLICED TO THE #20 AWG TRACER CABLE IN THE MICRODUCT USING A WATERPROOF SPLICE KIT AS RECOMENDED BY THE MICRODUCT MANUFACTURER. THE #20 AWG WIRE, SPLICE KIT AND ASSOCIATED WORK ARE INCLUDED AS PART OF COMMUNICATIONS VAULT AND WILL NOT BE PAID FOR SEPARATELY.
- A WATERPROOF MICRODUCT PLUG(S) OR INNERDUCT PLUG SHALL BE INSTALLED AROUND EACH MICRODUCT OR INNERDUCT TO SEAL AROUND THE DUCT FOR ALL MICRODUCTS OR INNERDUCTS COMING INTO THE VAULT. THE PLUGS SHALL BE APPROPRIATELY SIZED AND INSTALLED AS RECOMMENDED BY THE MANUFACTURER AND IS INCLUDED AS PART OF THE MICRODUCT OR INNERDUCT PAY ITEM AND WILL NOT BE PAID SEPARATELY.
- IDOT COMMUNICATIONS VAULTS SHALL HAVE A PERMANENTLY RECESSED LOGO THAT READS "IDOT".
- COMMUNICATIONS VAULT SHALL HAVE AN OPEN BASE. ALL CONDUITS AS SHOWN ON THE PLANS SHALL ENTER THE VAULT VIA THE OPEN BASE.
- ALL DIMENSIONS ARE MINIMUM AND A LARGER SIZE VAULT MAY BE USED, WITH THE APPROVAL OF THE ENGINEER, TO FACILITATE USING A MANUFACTURER'S STANDARD PRODUCT.



SECTION A-A



**LOCATE POST TOP HAT BOND PLATE
N.T.S.**



POST

**SOIL ANCHOR
ITS-53**

MODEL: Defn1
FILE NAME: I:\EG\1190\sect27.145\04_CADD\CADD_Sheets\Contract_21\New_60\entits_P\ANSI\0162191-C2-Hat-Plate-53.dwg



USER NAME = vnuirez
PLOT SCALE = 100,0000' / in.
PLOT DATE = 12/12/2024

DESIGNED - SG
DRAWN - MAG/VN
CHECKED - RP
DATE - 12/13/2024

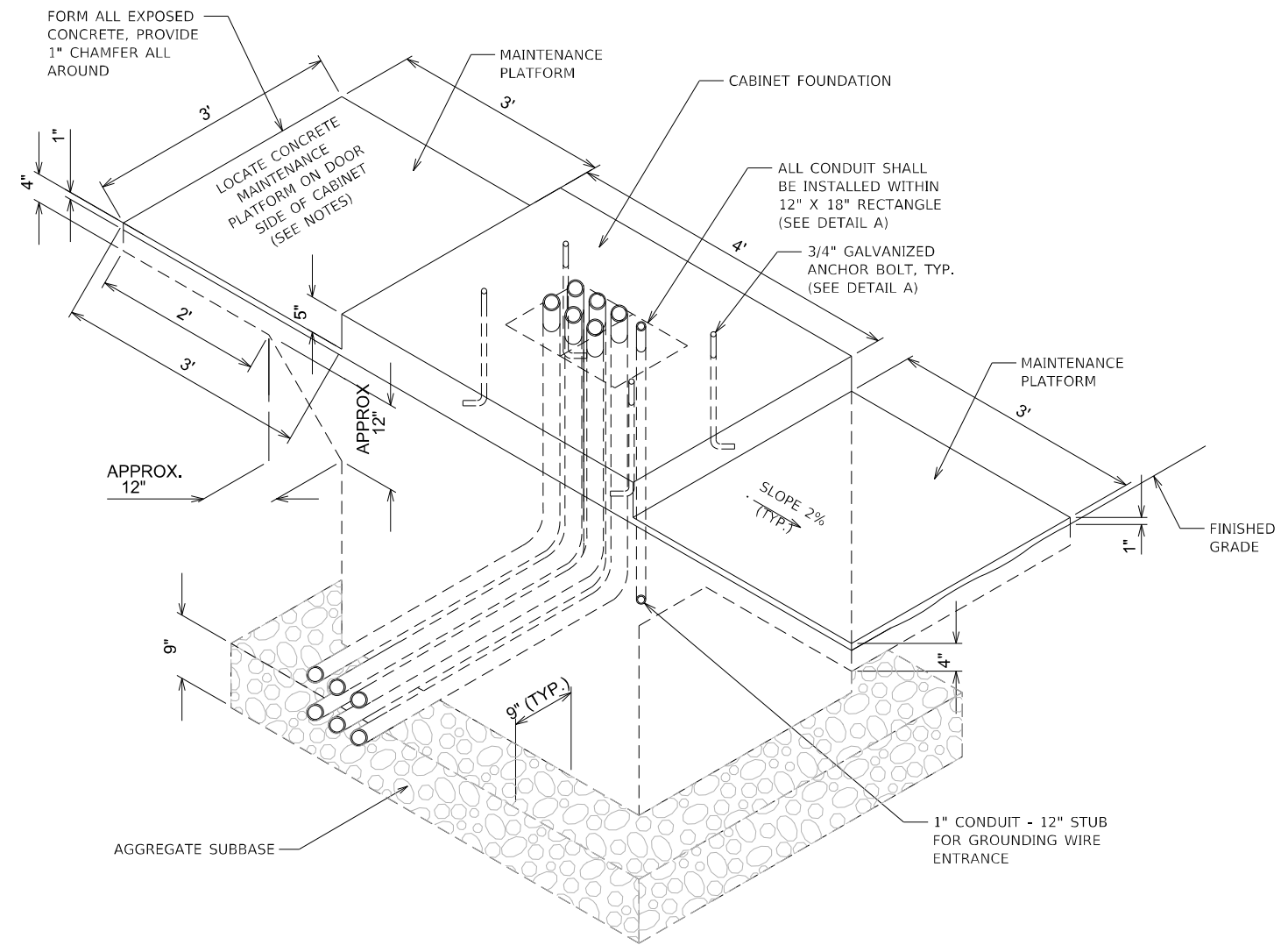
REVISED -
REVISED -
REVISED -
REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

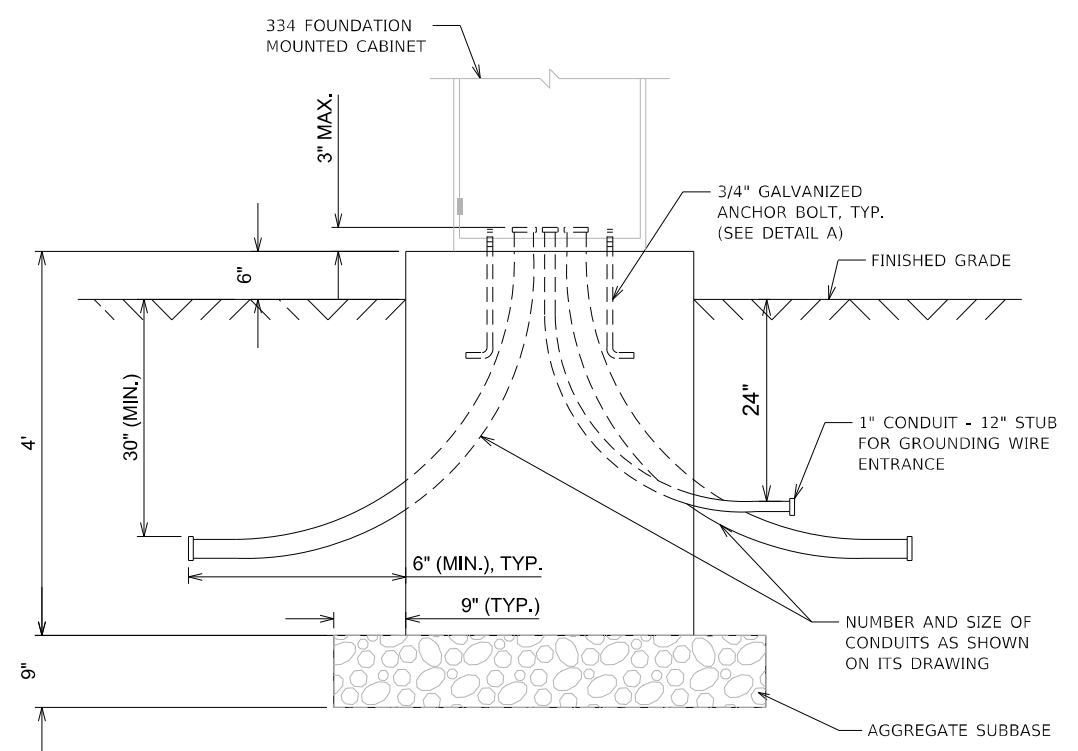
ITS INFRASTRUCTURE DETAILS
COMMUNICATION VAULT

SCALE: SHEET OF SHEETS STA. TO STA.

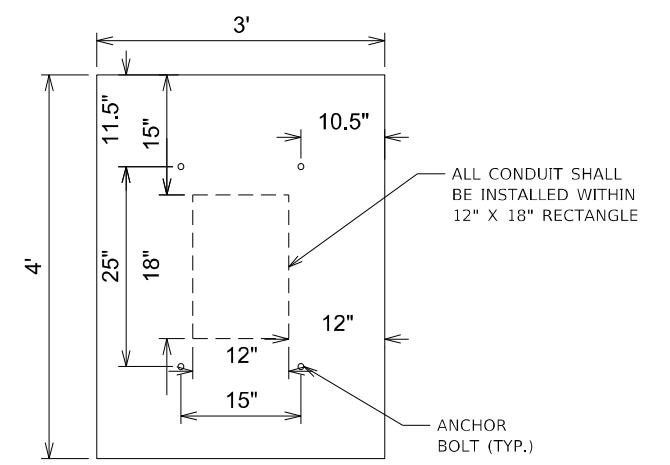
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
342	2018-100-BR	COOK	1351	706
CONTRACT NO. 62N91				
ILLINOIS FED. AID PROJECT				



**CONCRETE FOUNDATION FOR
SURVEILLANCE CABINET MODEL 334
ELEVATION VIEW**



**CONCRETE FOUNDATION FOR
SURVEILLANCE CABINET MODEL 334
ELEVATION VIEW**



**DETAIL A
CABINET FOUNDATION
ANCHOR BOLT AND
CONDUIT LAYOUT**

NOTES:

1. INSTALL FOUR 3/4 INCH DIAMETER X 12 INCH MINIMUM LENGTH APPROVED J-BOLTS TO ANCHOR THE CABINET BASES. THE ANCHOR BOLTS SHALL BE HOT-DIPPED GALVANIZED STEEL AND LOCATED AS SHOWN IN DETAIL A.
2. CONTROL CABINET BASE TOP SURFACES SHALL BE TROWEL FINISHED AND LEVEL. LEVELING OF TOP SURFACES AFTER CONCRETE BASE HAS CURED SHALL ONLY BE ACCOMPLISHED BY GRINDING.
3. REINFORCEMENT NOT SHOWN FOR CLARITY. CONTRACTOR SHALL INCLUDE HORIZONTAL AND VERTICAL REINFORCEMENT IN CONCRETE FOUNDATION WITH #5 U SHAPED BARS AT 9" MAX. SPACING AND LAPPED AT VERTICAL SURFACES FOR A DISTANCE OF 3'-3". REINFORCEMENT SHALL BE PLACED TO AVOID CONDUIT AND ANCHOR BOLTS. THE COST OF REINFORCEMENT SHALL BE INCLUDED IN THE UNIT PRICE OF CONCRETE FOUNDATION, SURVEILLANCE CABINET MODEL 334.
4. CONCRETE FORM DEPTH BELOW FINISHED GRADE SHALL BE 6" MAXIMUM. CONCRETE FORMS SHALL BE REMOVED AFTER CONCRETE HAS SET.
5. CONCRETE MAINTENANCE PLATFORM AND CABINET FOUNDATION FOR CABINET SHALL BE MONOLITHIC POUR.
6. WHEN REQUIRED TO CONNECT NONMETALLIC CONDUIT TO METALLIC CONDUIT, ONLY ADAPTER FITTINGS, U.L. LISTED FOR ELECTRICAL USE, SHALL BE USED.
7. CONDUIT HEIGHT ABOVE THE CONCRETE BASE SHALL BE 3 INCHES.
8. MINIMUM BENDING RADIUS OF CONDUIT = 6 X THE DIAMETER
9. ALL METALLIC CONDUIT ENDS SHALL BE REAMED AND THREADED.
10. PLUG ALL BELOW GRADE NONMETALLIC CONDUIT ENDS IN WHICH WIRE OR CABLE IS NOT BEING INSTALLED.
11. ALL CONDUIT ENDS AT THE TOP OF CONCRETE BASES SHALL BE CAPPED IF METALLIC OR PLUGGED IF NONMETALLIC IMMEDIATELY AFTER PLACEMENT AND BEFORE CONCRETE IS POURED. CONDUITS IN WHICH WIRE OR CABLE IS NOT BEING INSTALLED SHALL REMAIN CAPPED OR PLUGGED.
12. ALL METALLIC CONDUIT ENDS AT TOP OF CONCRETE BASES SHALL HAVE BUSHINGS AND ALL NONMETALLIC CONDUIT ENDS AT TOP OF CONCRETE BASES SHALL HAVE END BELLS.
13. REFER TO SPECIAL PROVISIONS FOR ADDITIONAL REQUIREMENTS.
14. THE CONTRACTOR SHALL INSTALL INSULATED BUSHINGS AND DUCT SEALANT AT ALL CONDUIT BEND TERMINATIONS IN FOUNDATIONS.
15. CONCRETE BASE TO BE FORMED AT LEAST 6" ABOVE THE GROUND SURFACE.
16. CAP ALL BELOW GRADE METALLIC CONDUIT ENDS IN WHICH WIRE OR CABLE IS NOT BEING INSTALLED.
17. AGGREGATE SUBBASE OF 9" DEPTH AND EXTENDING 9" BEYOND FACES OF CONCRETE BASE TO BE INSTALLED BELOW CONCRETE BASE. THE COST OF THE AGGREGATE SUBBASE SHALL BE INCLUDED IN THE UNIT PRICE OF CONCRETE FOUNDATION, SURVEILLANCE CABINET MODEL 334.

MODEL: Defn.dwg
FILE NAME: I:\GIS\Projects\27143\04_CADD\CADD_Sheets\Contract_2\New_SolentITS_P\ANSI\01621\91-C2-Hor-4-Rt-53.dwg



USER NAME = vnuñez	DESIGNED - SG	REVISED -
PLOT SCALE = 100,0000' / in.	DRAWN - MAG/VN	REVISED -
PLOT DATE = 12/12/2024	CHECKED - RP	REVISED -
	DATE - 12/13/2024	REVISED -

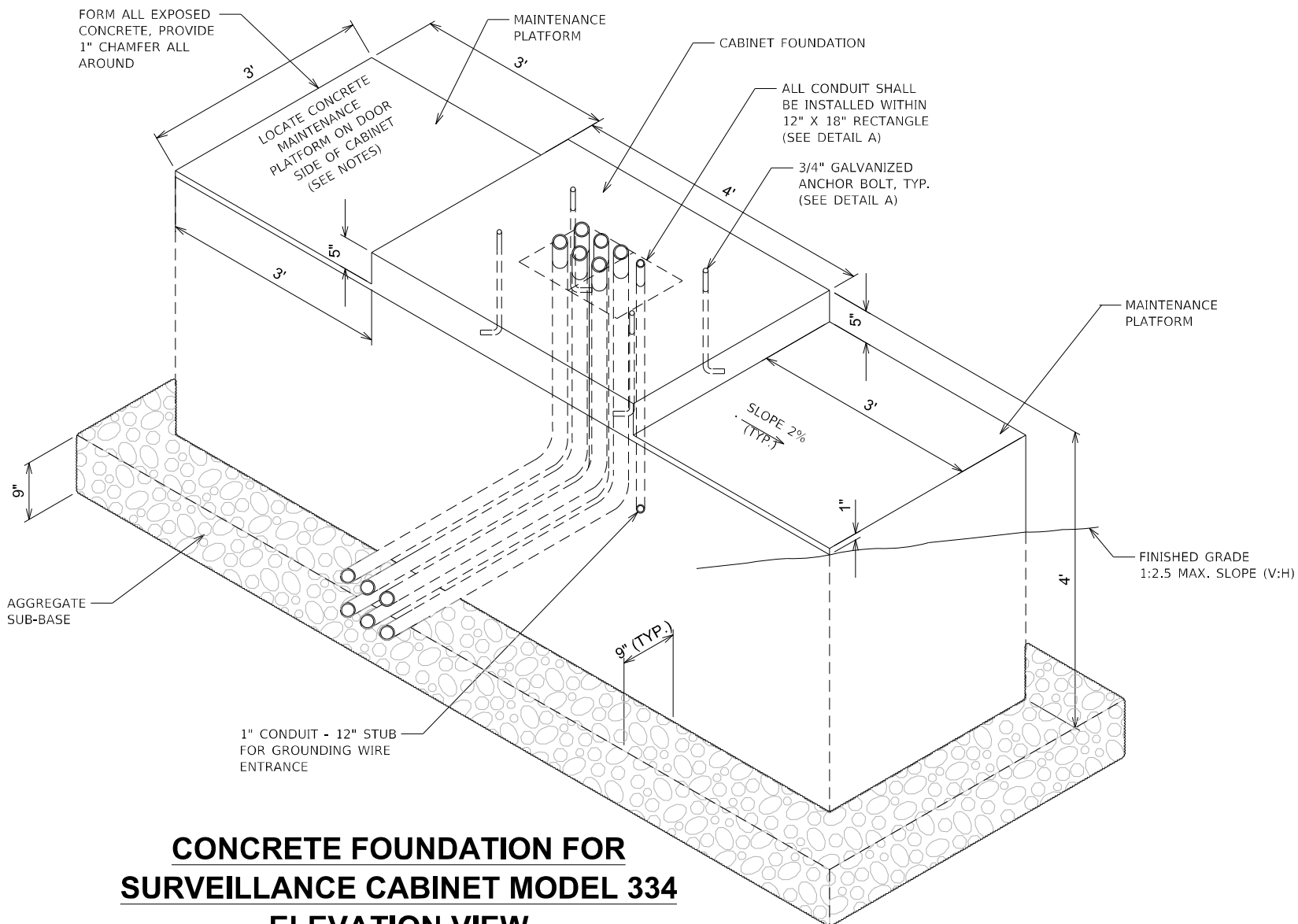
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**ITS INFRASTRUCTURE DETAILS
CONCRETE FOUNDATION, SURVEILLANCE CABINET MODEL 334**

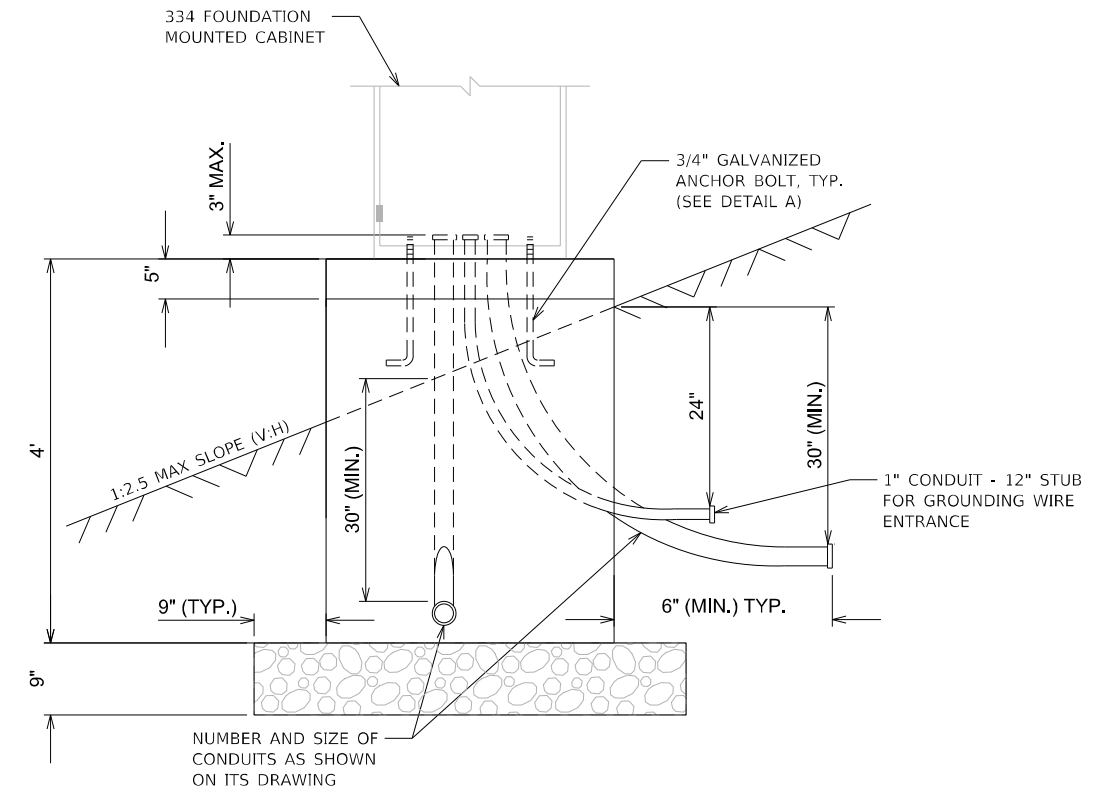
SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
342	2018-100-BR	COOK	1351	707
CONTRACT NO. 62N91				
ILLINOIS FED. AID PROJECT				

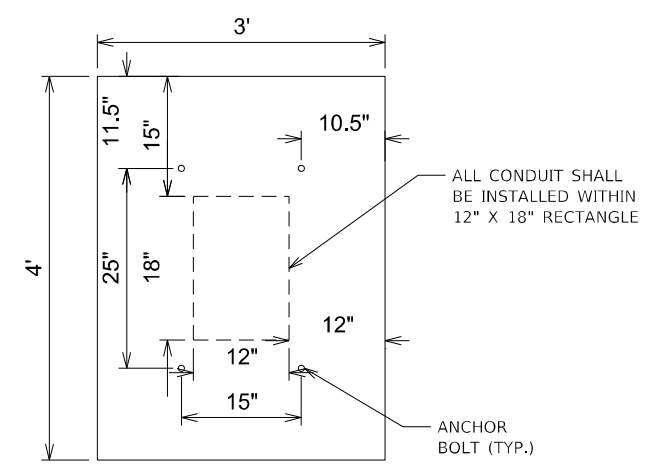
ITS-54



CONCRETE FOUNDATION FOR SURVEILLANCE CABINET MODEL 334 ELEVATION VIEW



CONCRETE FOUNDATION FOR SURVEILLANCE CABINET MODEL 334 ELEVATION VIEW



DETAIL A CABINET FOUNDATION ANCHOR BOLT AND CONDUIT LAYOUT

NOTES:

- INSTALL FOUR 3/4 INCH DIAMETER X 12 INCH MINIMUM LENGTH APPROVED J-BOLTS TO ANCHOR THE CABINET BASES. THE ANCHOR BOLTS SHALL BE HOT-DIPPED GALVANIZED STEEL AND LOCATED AS SHOWN IN DETAIL A.
- CONTROL CABINET BASE TOP SURFACES SHALL BE TROWEL FINISHED AND LEVEL. LEVELING OF TOP SURFACES AFTER CONCRETE BASE HAS CURED SHALL ONLY BE ACCOMPLISHED BY GRINDING.
- REINFORCEMENT NOT SHOWN FOR CLARITY. CONTRACTOR SHALL INCLUDE HORIZONTAL AND VERTICAL REINFORCEMENT IN CONCRETE FOUNDATION WITH #5 U SHAPED BARS AT 9" MAX. SPACING AND LAPPED AT VERTICAL SURFACES FOR A DISTANCE OF 3'-3". REINFORCEMENT SHALL BE PLACED TO AVOID CONDUIT AND ANCHOR BOLTS. THE COST OF REINFORCEMENT SHALL BE INCLUDED IN THE UNIT PRICE OF CONCRETE FOUNDATION, SURVEILLANCE CABINET MODEL 334.
- CONCRETE FORM DEPTH BELOW FINISHED GRADE SHALL BE 6" MAXIMUM. CONCRETE FORMS SHALL BE REMOVED AFTER CONCRETE HAS SET.
- CONCRETE MAINTENANCE PLATFORM AND CABINET FOUNDATION FOR CABINET SHALL BE MONOLITHIC POUR.
- WHEN REQUIRED TO CONNECT NONMETALLIC CONDUIT TO METALLIC CONDUIT, ONLY ADAPTER FITTINGS, U.L. LISTED FOR ELECTRICAL USE, SHALL BE USED.
- CONDUIT HEIGHT ABOVE THE CONCRETE BASE SHALL BE 3 INCHES.
- MINIMUM BENDING RADIUS OF CONDUIT = 6 X THE DIAMETER
- ALL METALLIC CONDUIT ENDS SHALL BE REAMED AND THREADED.
- PLUG ALL BELOW GRADE NONMETALLIC CONDUIT ENDS IN WHICH WIRE OR CABLE IS NOT BEING INSTALLED.
- ALL CONDUIT ENDS AT THE TOP OF CONCRETE BASES SHALL BE CAPPED IF METALLIC OR PLUGGED IF NONMETALLIC IMMEDIATELY AFTER PLACEMENT AND BEFORE CONCRETE IS POURED. CONDUITS IN WHICH WIRE OR CABLE IS NOT BEING INSTALLED SHALL REMAIN CAPPED OR PLUGGED.
- ALL METALLIC CONDUIT ENDS AT TOP OF CONCRETE BASES SHALL HAVE BUSHINGS AND ALL NONMETALLIC CONDUIT ENDS AT TOP OF CONCRETE BASES SHALL HAVE END BELLS.
- REFER TO SPECIAL PROVISIONS FOR ADDITIONAL REQUIREMENTS.
- THE CONTRACTOR SHALL INSTALL INSULATED BUSHINGS AND DUCT SEALANT AT ALL CONDUIT BEND TERMINATIONS IN FOUNDATIONS.
- CONCRETE BASE TO BE FORMED AT LEAST 6" ABOVE THE GROUND SURFACE.
- CAP ALL BELOW GRADE METALLIC CONDUIT ENDS IN WHICH WIRE OR CABLE IS NOT BEING INSTALLED.
- AGGREGATE SUBBASE OF 9" DEPTH AND EXTENDING 9" BEYOND FACES OF CONCRETE BASE TO BE INSTALLED BELOW CONCRETE BASE. THE COST OF THE AGGREGATE SUBBASE SHALL BE INCLUDED IN THE UNIT PRICE OF CONCRETE FOUNDATION, SURVEILLANCE CABINET MODEL 334.

MODEL: Default; FILE: NAME: I:\11\Projects\322145\04_CADD\CADD_Sheets\Contract_21\New_fdd\ITSD_Planes\0162191_C2-3d04-01-11-54.dgn



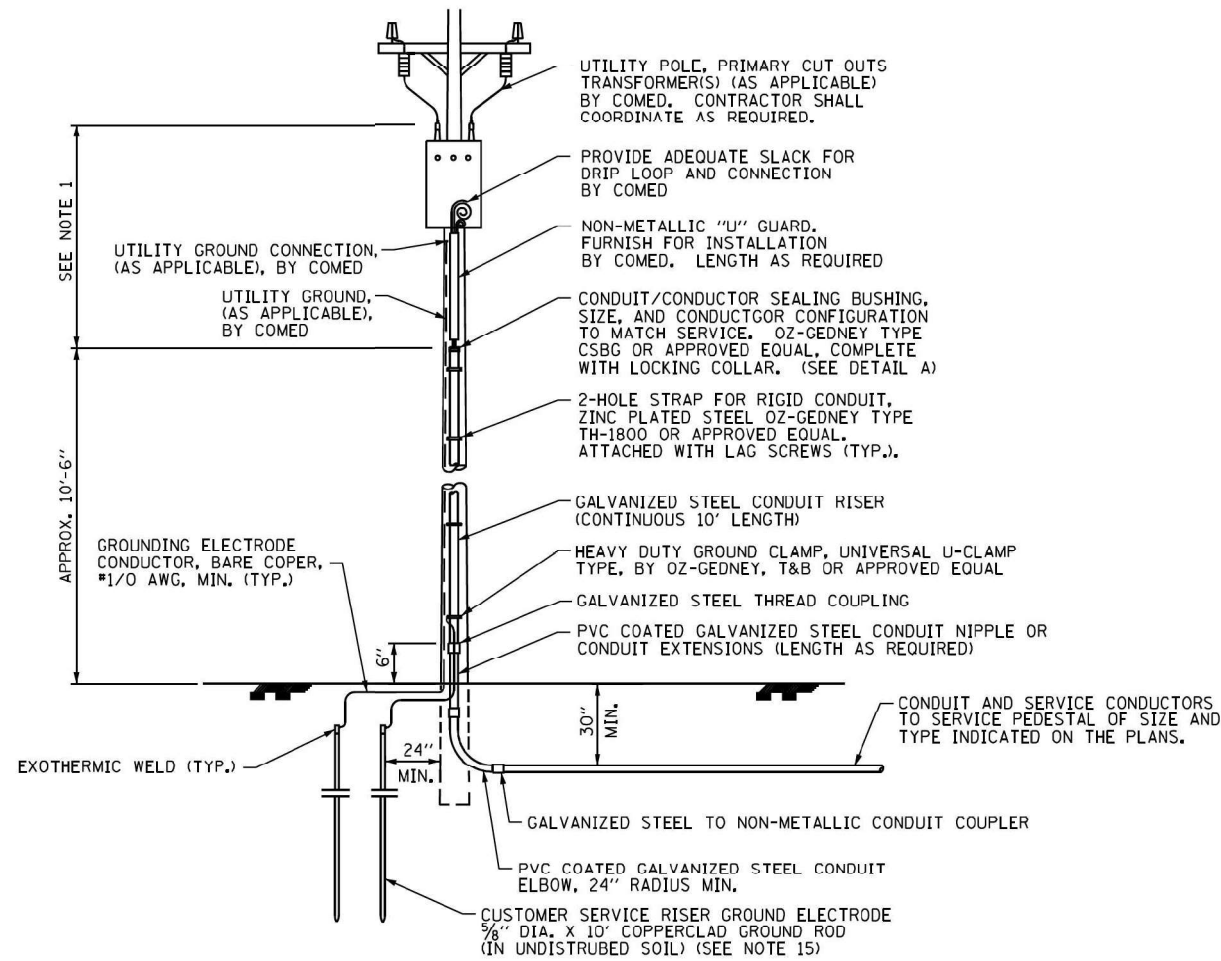
USER NAME = vturnez	DESIGNED - SG	REVISED -
PLOT SCALE = 100,0000' / in.	DRAWN - MAG/VN	REVISED -
PLOT DATE = 12/12/2024	CHECKED - RP	REVISED -
	DATE - 12/13/2024	REVISED -

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

ITS INFRASTRUCTURE DETAILS CONCRETE FOUNDATION, SURVEILLANCE CABINET MODEL 334

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

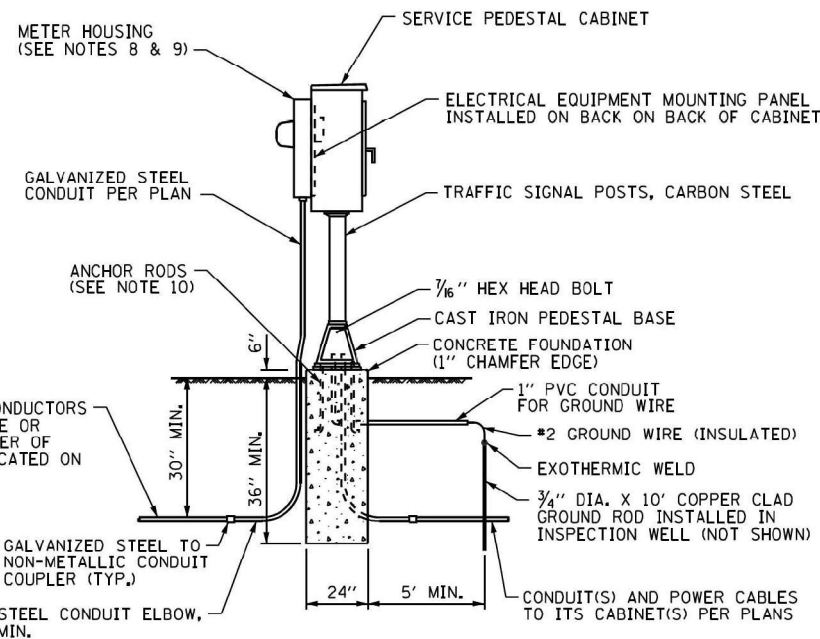
F.A.P. RTE. 342	SECTION 2018-100-BR	COUNTY COOK	TOTAL SHEETS 1351	SHEET NO. 708
CONTRACT NO. 62N91				
ILLINOIS FED. AID PROJECT				



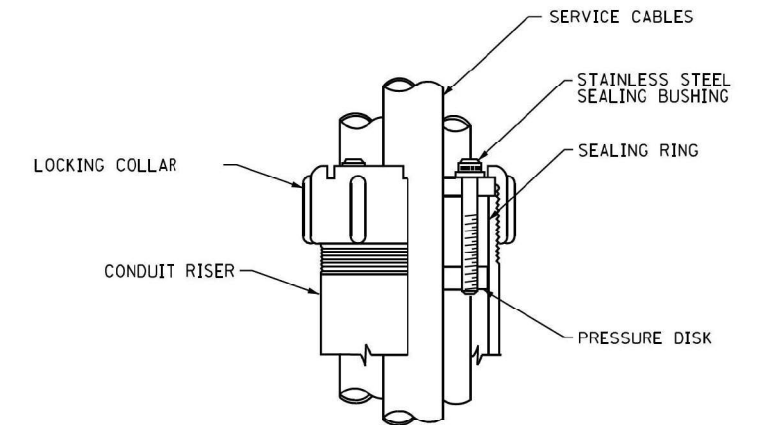
UTILITY SERVICE POLE

NOTES:

1. ASCERTAIN AND ASSURE CLEARANCE FROM UTILITY SECONDARY SPACE AS APPLICABLE.
2. CABINET SHALL BE FABRICATED ALUMINUM NEMA TYPE 3R WITH MINIMUM THICKNESS OF 0.1875", MINIMUM INTERIOR CABINET SPACE SHALL BE 36" X 20"W X 15" D.
3. THE CABINET DOOR SHALL BE HINGED ON THE RIGHT SIDE WHEN FACING THE CABINET. THE DOOR SHALL BE FURNISHED WITH A GASKET THAT SHALL FORM A WEATHER TIGHT SEAL BETWEEN THE CABINET AND DOOR. THE HINGES SHALL BE CONTINUOUS AND BOLTED TO THE CABINET AND DOOR UTILIZING 1/4-20 STAINLESS STEEL CARRIAGE BOLTS AND NY-LOCKNUTS. THE HINGES WILL BE MADE OF STAINLESS STEEL WITH A 0.25 INCH (6.35 mm) DIAMETER STAINLESS STEEL HINGE PIN. THE HINGE PIN SHALL BE CAPPED TOP AND BOTTOM BY WELD TO RENDER IT TAMPER PROOF.
4. THE LATCHING MECHANISM SHALL BE A 3 POINT DRAW ROLLER TYPE. THE CENTER CATCH AND PUSHRODS SHALL BE EITHER CADMIUM OR ZINC PLATED, TYPE II CLASS I. PUSHRODS WILL BE TURNED EDGEWISE AT THE OUTWARD SUPPORTS AND SHALL BE 0.25 INCH BY 0.75 INCH, MINIMUM. ROLLERS SHALL HAVE A MINIMUM DIAMETER OF 0.875 INCH AND WILL BE MADE OF NYLON. THE CENTER CATCH SHALL BE FABRICATED FROM 0.14 INCH (3.55 mm) STEEL, MINIMUM. WHEN THE DOOR IS CLOSED AND LATCHED, IT WILL BE LOCKED. THE LATCHING HANDLE SHALL HAVE A PROVISION FOR PADLOCKING IN THE CLOSED POSITION. AN OPERATING HANDLE SHALL BE FURNISHED WITH EACH LOCK. THE HANDLE WILL BE STAINLESS STEEL WITH A 0.75 INCH DIAMETER SHANK.
5. CABINET DOOR SHALL NOT HAVE COMPARTMENT DOORS OR LOUVERS.
6. ALL FIELD CABINETS SHALL BE FITTED WITH BRASS LOCKS.
7. POST TOP MOUNTED CABINETS, SHALL HAVE A 0.25 INCH BOTTOM OF CABINET WELDED.
8. METER HOUSING SHALL BE MOUNTED TO BACK WALL OF SERVICE PEDESTAL CABINET.
9. CABLES FROM METER HOUSING SHALL PASS THROUGH BACK WALL OF OF CABINET.
10. CONTRACTOR SHALL COORDINATE WITH PEDESTAL BASE MANUFACTURER AND FURNISH COMPATIBLE ANCHOR BOLTS.
11. ALL EQUIPMENT SHALL BE GROUNDED AND BONDED IN ACCORDANCE WITH NATIONAL ELECTRICAL CODE AND NATIONAL ELECTRICAL SAFETY CODE.
12. UNLESS OTHERWISE INDICATED, ITEMS AND WORK SHOWN ON THIS SHEET SHALL BE INCLUDED UNDER PAY ITEM "ELECTRIC SERVICE INSTALLATION".
13. CONDUIT AND SERVICE CONDUCTORS SHALL BE OF THE SIZE AND TYPE INDICATED ON THE PLANS.
14. PVC COATED RACEWAYS AND ACCESSORIES SHALL BE INSTALLED WITH MANUFACTURER RECOMMENDED TOOLS AND PROCEDURES TO AVOID DAMAGE. ANY DAMAGED COMPONENTS SHALL BE REPLACED AT NO ADDITIONAL COST TO THE DEPARTMENT.
15. THE CONTRACTOR SHALL OBTAIN INSPECTION AND APPROVAL BY THE ENGINEER OF THE SERVICE RISER GROUND ELECTRODE, RISER ELBOW, NIPPLE, AND CONNECTION TO SERVICE CONDUCTOR RACEWAY EXTENSION PRIOR TO BACK FILLING AND SHALL ALSO OBTAIN INSPECTION OF SERVICE RISER AND SEALING BUSHING BEFORE UTILITY "U" GUARD INSTALLATION AND SERVICE CONNECTION.
16. PLANS AND DETAILS INDICATE THE GENERAL NATURE AND REQUIREMENTS OF ELECTRIC SERVICE INSTALLATION. THEY DO NOT SHOW EVERY ACCESSORY AND ATTACHMENT, AND THEY DO NOT RELIEVE THE CONTRACTOR OF THE REQUIREMENTS OF THE SPECIFICATIONS AND SPECIAL PROVISIONS IN TO ASCERTAIN UTILITY REQUIREMENTS AND TO COORDINATE ACCORDINGLY. FURNISHING ALL ITEMS AND WORK NOT PROVIDED BY COMED, BUT NECESSARY FOR COMPLETE ELECTRIC SERVICE INSTALLATION IS REQUIRED AND SHALL BE INCLUDED IN PAY ITEM "ELECTRIC SERVICE INSTALLATION".



SERVICE PEDESTAL WITH METER



DETAIL A

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**ITS INFRASTRUCTURE DETAILS
SERVICE METER PEDESTAL**

SCALE: SHEET OF SHEETS STA. TO STA.

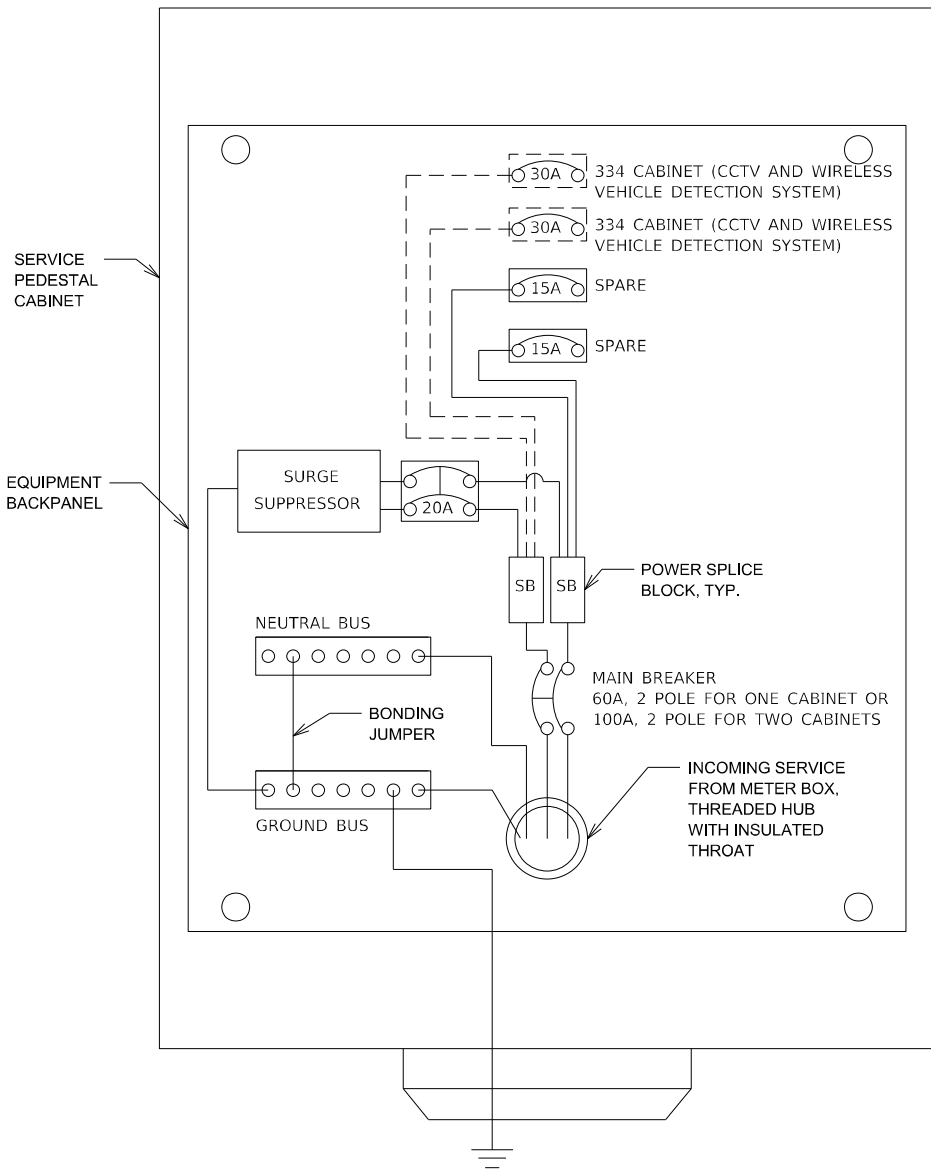
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
342	2018-100-BR	COOK	1351	709
CONTRACT NO. 62N91				

ILLINOIS FED. AID PROJECT

MODEL Path: \\... FILE NAME: ...



USER NAME = vnuhez	DESIGNED - SG	REVISED -
PLOT SCALE = 100,000' / in.	DRAWN - MAGVN	REVISED -
PLOT DATE = 12/12/2024	CHECKED - RP	REVISED -
	DATE - 12/13/2024	REVISED -



SERVICE PEDESTAL CABINET WIRING AND EQUIPMENT LAYOUT CCTV AND WIRELESS VEHICLE DETECTION SYSTEM

NOTES

1. THE ELECTRIC SERVICE EQUIPMENT ASSEMBLY SHALL BE UL LABELED, SUITABLE FOR USE AS SERVICE EQUIPMENT.
2. CIRCUIT BREAKERS SHALL BE THERMAL MAGNETIC BOLT-ON TYPE WITH A MINIMUM INTERRUPTING CAPACITY OF 65,000 SYMMETRICAL AMPERES AT 240V LINE TO LINE SERVICE OR 14,000 AT 480V RATED AT LINE TO LINE SERVICE. THEY SHALL BE LOCKABLE IN THE "OFF" POSITION FOR COMPLIANCE WITH OSHA LOCK-OUT/TAG-OUT REQUIREMENTS. HANDLES SHALL BE TRIP FREE.
3. THE SURGE PROTECTOR SHALL BE SUITABLE FOR THE INCOMING SINGLE PHASE 60HZ AC ELECTRICAL SERVICE, WITH A SURGE CURRENT RATING OF 50,000 AMPS OR BETTER, RATED -40 TO 65 DEGREES C., WITH LED OPERATING INDICATORS, AND SHALL BE UL LISTED PER UL 1449. SURGE PROTECTOR SHALL BE WIRED FOR THE INCOMING SERVICE VOLTAGE. FOLLOW MANUFACTURER RECOMMENDED WIRING SPECIFICATIONS.
4. BUS BARS, CONNECTORS AND LUGS SHALL BE COPPER, INSULATED AND ISOLATED AND CONFIGURED TO PREVENT SHORTED CONDITIONS FROM TIGHTENING TERMINATIONS, ETC. THE OVERALL BUS SECTION SHALL BE CONFIGURED BEHIND AN INSULATING BARRIER SHIELD WHICH IS REMOVABLE FOR ACCESS TO CONNECTIONS.
5. THE COMBINATION GROUND AND NEUTRAL BAR SHALL BE CONFIGURED WITH SEPARATE GROUND AND NEUTRAL SECTIONS AND SPARE TERMINALS AS INDICATED. THE HEADS OF GROUND SCREWS SHALL BE PAINTED GREEN. THE HEADS OF NEUTRAL SCREWS SHALL BE PAINTED WHITE.
6. A PLASTIC LAMINATED CABINET LAYOUT DIAGRAM, CIRCUIT SCHEMATIC, AND BILL OF MATERIALS WITH CATALOG NUMBERS USED SHALL BE AFFIXED TO THE INTERIOR SIDE OF THE ENCLOSURE DOOR.
7. EQUIPMENT IN DIAGRAMS ABOVE ARE NOT TO SCALE AND WIRING SCHEMATIC IS DIAGRAMMATIC. CONTRACTOR TO SUBMIT WIRING DIAGRAM AND EQUIPMENT LAYOUT FOR APPROVAL BY THE ENGINEER.
8. PROVIDE ADDITIONAL 30A 1 POLE BREAKER WHERE TWO 334 CABINETS ARE FED FROM THE SERVICE PEDESTAL.

ITS-57

MODEL: D:\p\h\... FILE NAME: I:\G\1190\project\2714504_CADD\CADD_Sheets\Contract_2\New_Submittals_P\ANSI\62N91-C2-Hot-rt-55.dgn



USER NAME = vnuñez	DESIGNED - SG	REVISED -
PLOT SCALE = 100,0000' / in.	DRAWN - MAG/VN	REVISED -
PLOT DATE = 12/12/2024	CHECKED - RP	REVISED -
	DATE - 12/13/2024	REVISED -

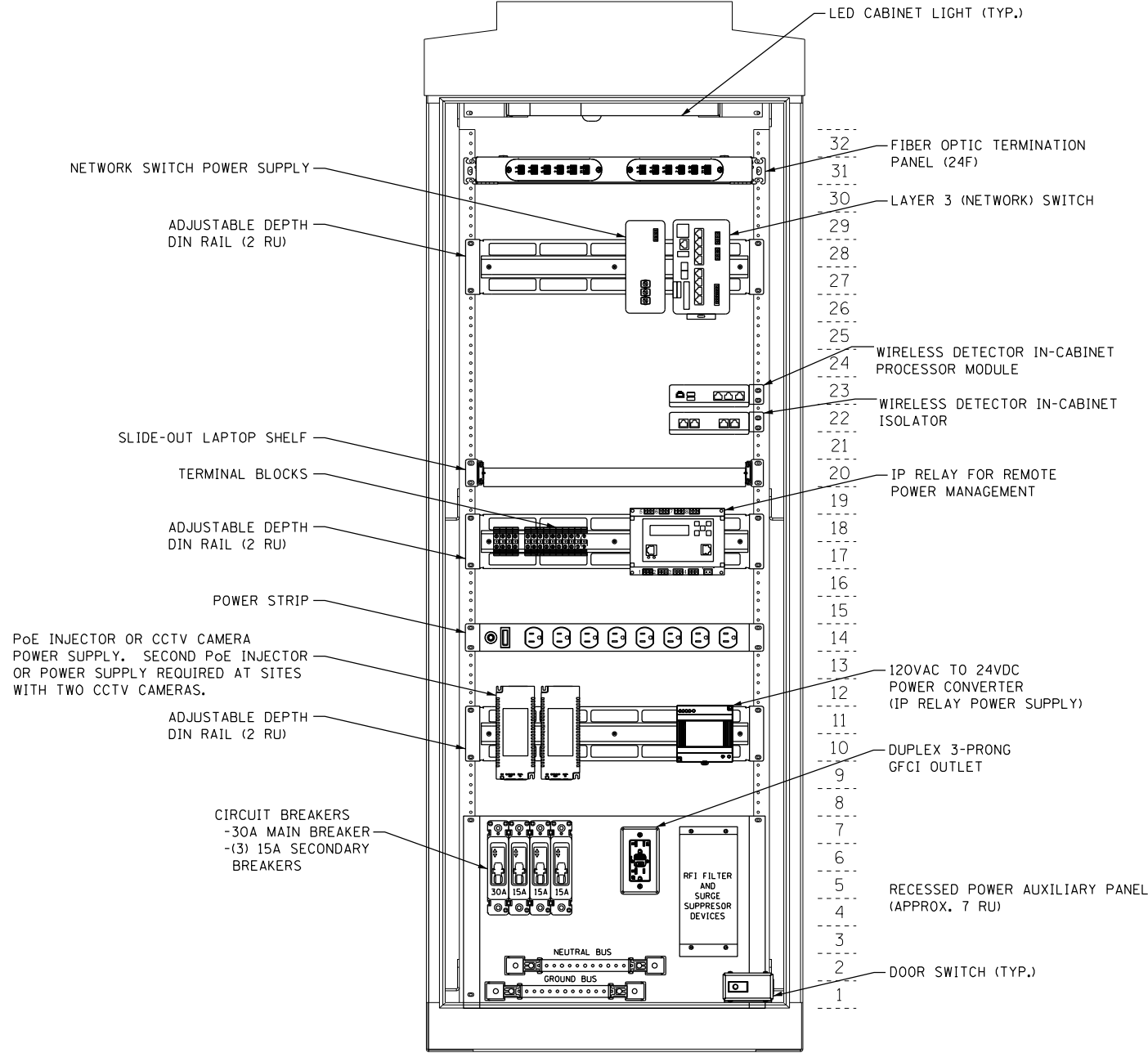
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**ELECTRIC SERVICE INSTALLATION DETAILS
SHEET 2 OF 2**

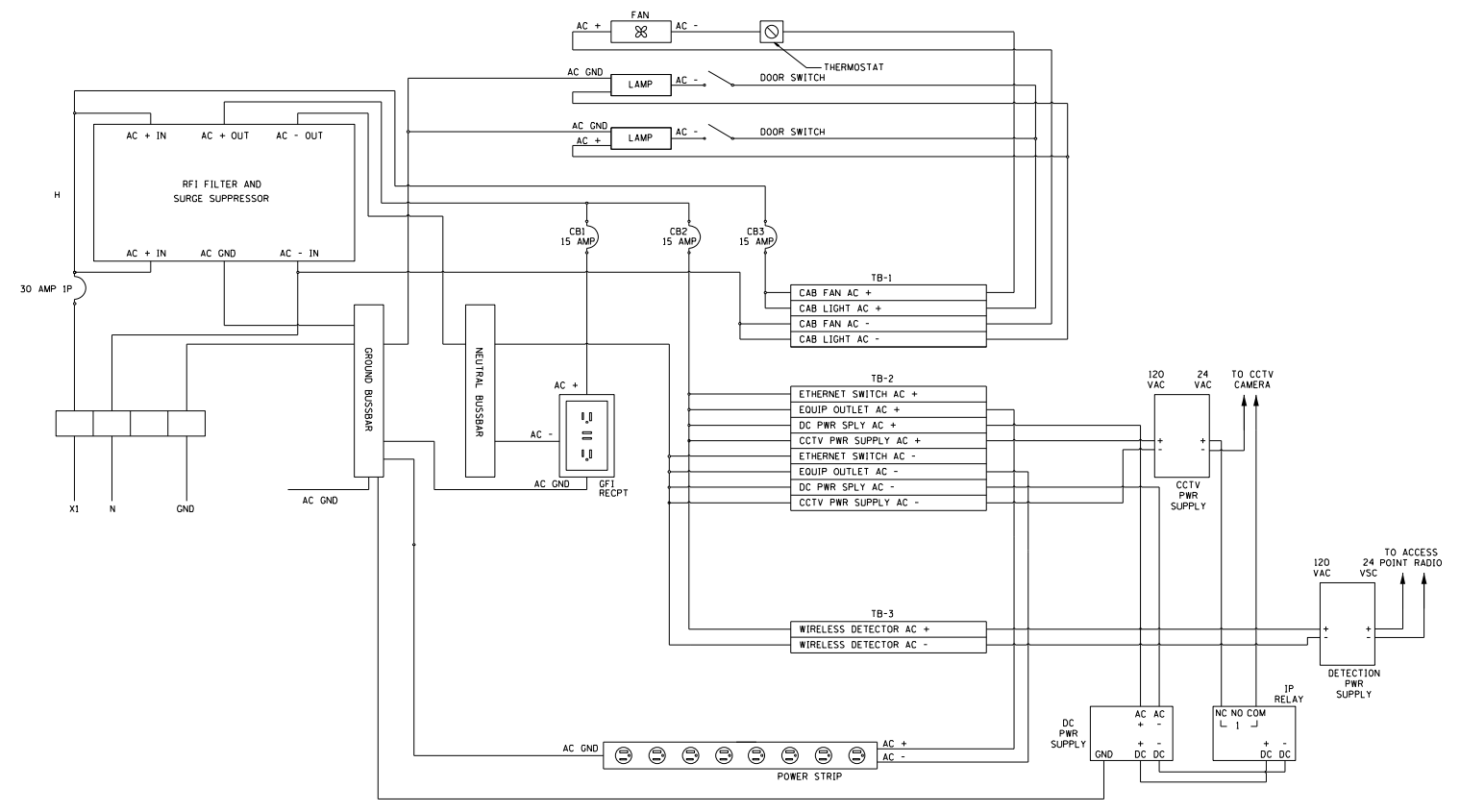
SCALE: SHEET 2 OF 2 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
342	2018-100-BR	COOK	1351	710
CONTRACT NO. 62N91				
ILLINOIS FED. AID PROJECT				

MODEL: P:\p\h\...
 FILE NAME: I:\G11\Projects\27145\04_CADD\CADD_Sheets\Contract_2\New_SolentTS_P\ANSI\0162\91-C2-Hot-rtr-85-57.dwg



CCTV AND WIRELESS VEHICLE DETECTION SYSTEM SUGGESTED CABINET LAYOUT



CABINET POWER DISTRIBUTION SINGLE LINE DIAGRAM

- NOTES:
- CONTRACTOR SHALL BE RESPONSIBLE FOR FINAL CABINET LAYOUT. AUXILIARY PANEL SIZING SHALL BE COORDINATED WITH CABINET MANUFACTURER.
 - CABINET FAN AND THERMOSTAT NOT SHOWN FOR CLARITY. CABINET MANUFACTURER SHALL DETERMINE FINAL LOCATIONS.
 - POWER DISTRIBUTION SINGLE LINE DIAGRAM SHOWS POWER CONFIGURATION FOR CCTV CAMERAS WITH SEPARATE POWER SUPPLY. CONTRACTOR SHALL ADJUST POWER WIRING AS REQUIRED FOR A POE CCTV CAMERA.

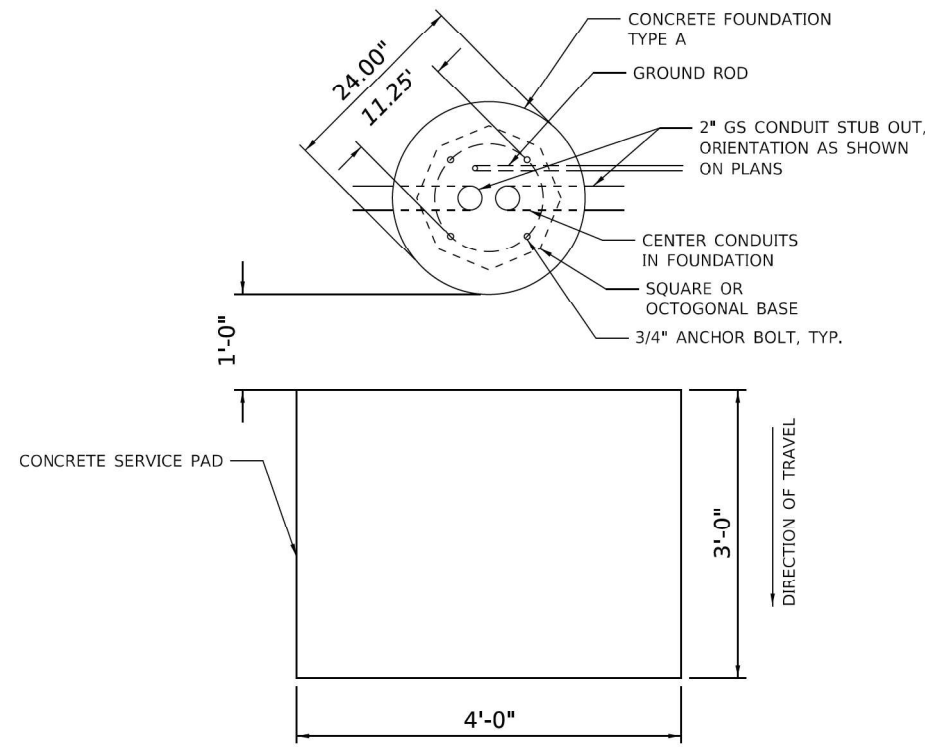


USER NAME = vnuñez	DESIGNED - SG	REVISED -
DRAWN - MAG/VN	REVISIONS	REVISED -
PLOT SCALE = 100,0000' / in.	CHECKED - RP	REVISED -
PLOT DATE = 12/12/2024	DATE - 12/13/2024	REVISED -

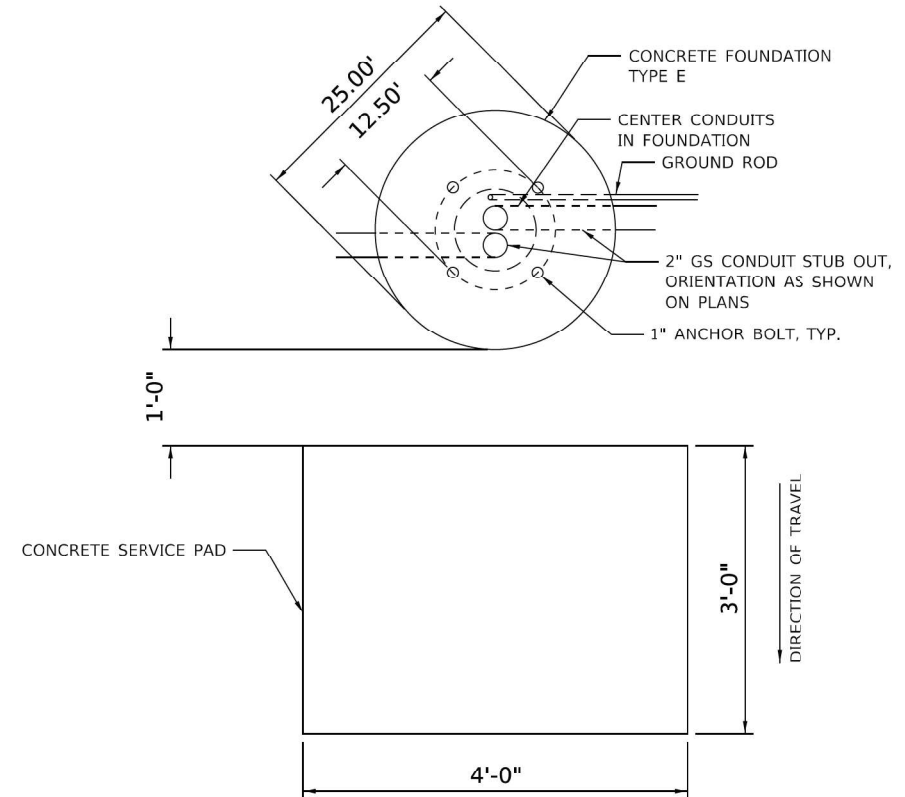
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CCTV AND WIRELESS VEHICLE DETECTION SYSTEM			
SCALE:	SHEET	OF SHEETS	STA. TO STA.

F.A.P. RTE. 342	SECTION 2018-100-BR	COUNTY COOK	TOTAL SHEETS 1351	SHEET NO. 711
CONTRACT NO. 62N91				
ILLINOIS FED. AID PROJECT				



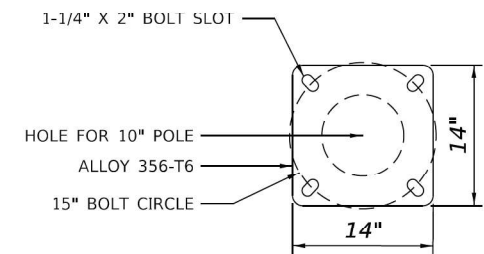
**TOP VIEW
TYPE A FOUNDATION FOR
SERVICE PEDESTAL**



**TOP VIEW
TYPE E FOUNDATION
FOR CCTV POLE**

NOTES

1. TOP VIEW FOR CONCRETE FOUNDATIONS, TYPE A AND E SHOWN ON THIS SHEET ARE FOR INFORMATION ONLY ON CONDUITS ENTERING FOUNDATION AND ANCHOR BOLT CIRCLE DIMENSIONS REQUIRED FOR EQUIPMENT INSTALLATION. FOR FURTHER FOUNDATION DETAILS, SEE HIGHWAY STANDARD 878001-11 (CONCRETE FOUNDATION DETAILS).



**CCTV POLE BASE PLATE DETAIL
15" BOLT CIRCLE**

MODEL: D:\p\h\h\... FILE NAME: I:\G\1\p\o\c\c\27.145\04_CADD\CADD_Sheets\Contract_2\New_SolentTS_P\ANSI\162\N91-C2-Hot-rt-It-58.dgn



USER NAME = vturnez	DESIGNED - SG	REVISED -
PLOT SCALE = 100,0000 ' / in.	DRAWN - MAG/VN	REVISED -
PLOT DATE = 12/12/2024	CHECKED - RP	REVISED -
	DATE - 12/13/2024	REVISED -

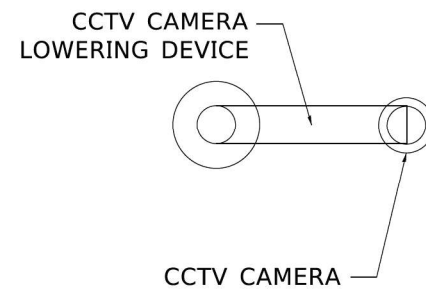
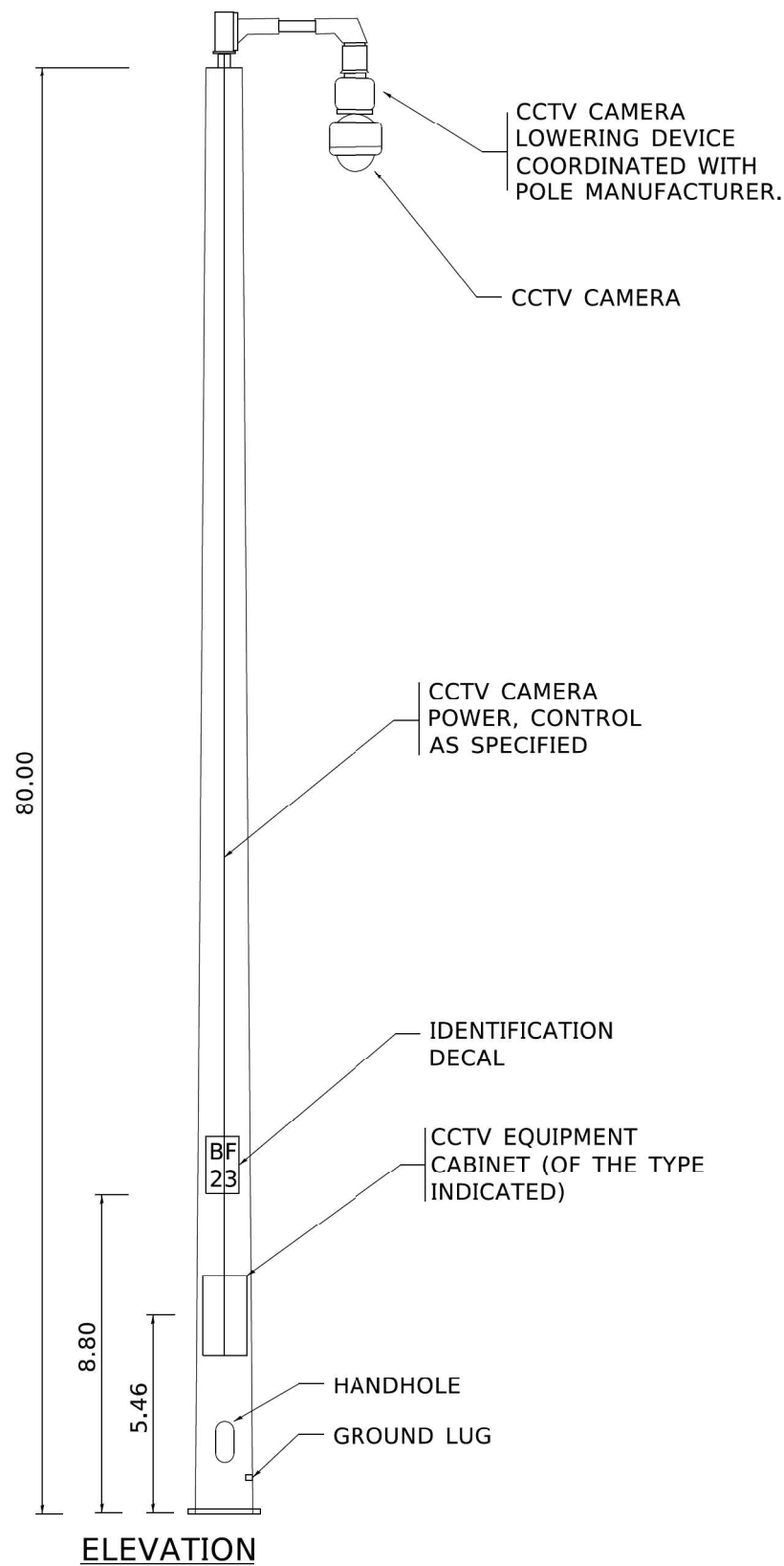
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**ITS INFRASTRUCTURE DETAILS
CONCRETE FOUNDATIONS**

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
342	2018-100-BR	COOK	1351	712
CONTRACT NO. 62N91			ILLINOIS FED. AID PROJECT	

ITS-59



TOP VIEW

MAINLINE INTERSTATE

GENERAL NOTES:

1. LOCATIONS OF THE CCTV CAMERA INSTALLATIONS ARE APPROXIMATE. THE CONTRACTOR MAY ADJUST THE LOCATIONS OF THE INSTALLATIONS TO FACILITATE INSTALLATION WITH WRITTEN APPROVAL OF THE RESIDENT ENGINEER AND THE ELECTRICAL DESIGN SECTION. ALL STANDARD NON-FRANGIBLE SETBACK REQUIREMENTS AS WELL AS CLEAR ZONE REQUIREMENTS SHALL BE MAINTAINED.
2. THE POLE SHALL BE A MAXIMUM OF THREE SECTIONS FOR FIELD ASSEMBLY.
3. THE POLE SHAFTS SHALL BE A ROUND CROSS SECTION. THE BOTTOM SECTION SHALL HAVE A MINIMUM .3125 WALL THICKNESS AND A MINIMUM DIAMETER THE TOP AND BOTTOM TO PREVENT CONDENSATION BUILDUP ON THE INTERIOR OF THE POLE SHAFT.
4. CABLE SUPPORTS SHALL BE PROVIDED FOR ALL CABLES INSIDE OF POLE SO THAT NO CABLE LOADING IS EXCEEDED. CALCULATIONS SHALL BE SUBMITTED FOR THE CABLES BEING FURNISHED.
5. ALL EQUIPMENT SHALL BE GROUNDED.
6. DOCUMENTATION SHALL BE SUBMITTED THAT THE POLE IS FULLY COORDINATED WITH THE CAMERA LOWERING DEVICE.
7. ALL CABLES, INCLUDING LOWERING DEVICE CABLES, SHALL BE WITHIN THE POLE SHAFT. EXTERNAL CABLING WILL NOT BE PERMITTED.
8. UNLESS OTHERWISE INDICATED, OR AS DIRECTED BY THE ENGINEER, THE CAMERA LOWERING DEVICE SHALL BE ORIENTED PERPENDICULAR TO THE MAINLINE INTERSTATE FOR THE LEAST OBSTRUCTED VIEW OF THE INTERSTATE ROADWAY.

MATERIAL REQUIREMENTS		
COMPONENT	ASTM DESIGNATION	MIN. YIELD (KSI)
POLE SHAFT	A572, OR A1011	50
BASE PLATE	A572, OR A1011	50
POLE TOP PLATE	A572, OR A1011	50
ANCHOR BOLTS	F1554	55
GALVANIZING, STRUCTURE	A123	N/A
GALVANIZING, HARDWARE	A153	N/A

MODEL: Default
FILE NAME: I:\101\Projects\22145\06_CADD\CADD_Sheets\Contract_2\New_08\InterITS_P\ANSI\162N91_LC2-Inter-Str-80-58.dgn



USER NAME = vnunez	DESIGNED - SG	REVISED -
	DRAWN - MAG/MN	REVISED -
PLOT SCALE = 100.0000' / in.	CHECKED - RP	REVISED -
PLOT DATE = 12/12/2024	DATE - 12/13/2024	REVISED -

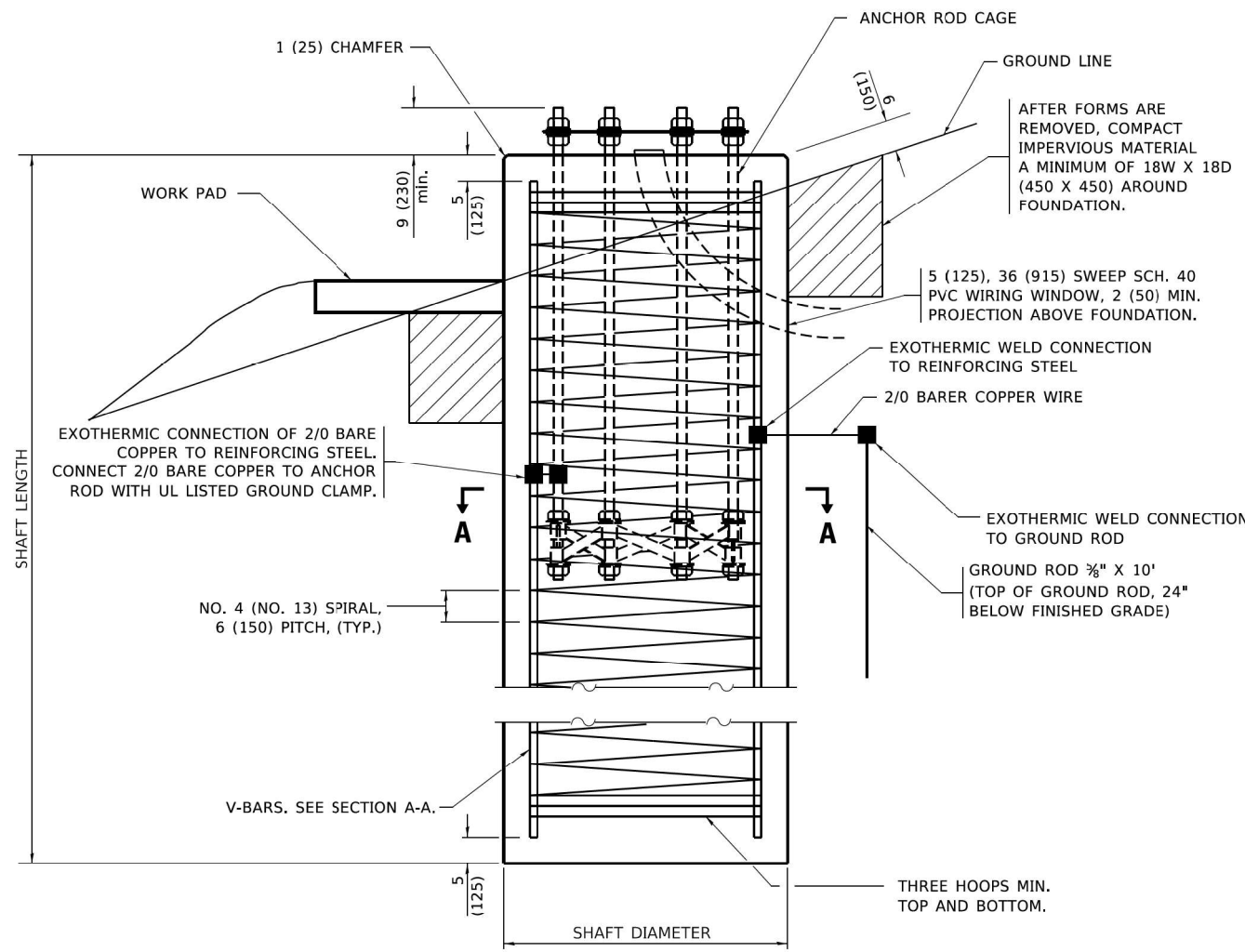
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CCTV CAMERA STRUCTURE, 80 FT. MOUNTING HEIGHT

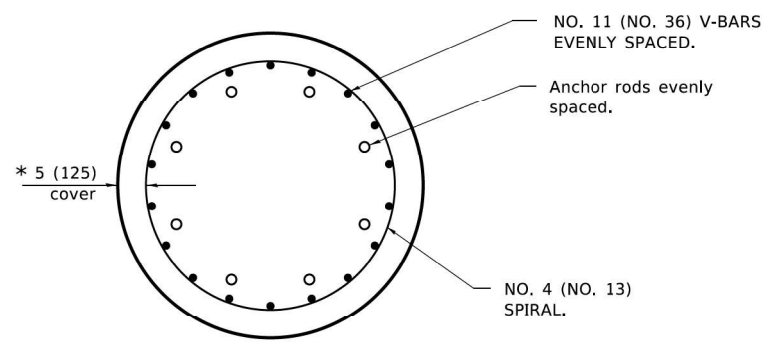
SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE. 342	SECTION 2018-100-BR	COUNTY COOK	TOTAL SHEETS 1351	SHEET NO. 713
			CONTRACT NO. 62N91	
ILLINOIS FED. AID PROJECT				

ITS-60



FOUNDATION ELEVATION



SECTION A-A

* SEE ROD AND REINFORCEMENT TABLE.

SHAFT LENGTH TABLE		
SOIL CONSISTENCY	AVERAGE STRENGTH	HEIGHT
	Qu in tsf (Qu in kPa)	80' (24 m)
Cohesive	SOFT < 0.5 (< 50)	20'-6" (6.2 m)
	MEDIUM 0.5 to 1 (50 to 100)	17'-0" (5.1 m)
	STIFF 1 to 2 (100 to 200)	14'-6" (4.4 m)
	VERY STIFF 2 to 4 (200 to 400)	13'-0" (3.8 m)
	HARD > 4 (> 400)	11'-6" (3.5 m)
		N in BLOWS/FT. (N in BLOWS/0.3m)
Granular	VERY LOOSE < 5 (< 5)	16'-6" (5.0 m)
	LOOSE 5 to 10 (5 to 10)	15'-0" (4.6 m)
	MEDIUM 10 to 25 (10 to 25)	14'-6" (4.4 m)
	DENSE 25 to 50 (25 to 50)	14'-0" (4.1 m)
	VERY DENSE > 50 (> 50)	13'-0" (3.9 m)

MODEL: P:\p\h\...
 FILE NAME: IEG\1190\project\27145\04_CADD\CADD_Sheets\Contract_2\New_SolentIS_P\ANSI\0162\N91-C2-Hot-rt-46.dgn



USER NAME = vnuñez	DESIGNED - SG	REVISED -
DRAWN - MAG/VN	CHECKED - RP	REVISED -
PLOT SCALE = 100,0000 ' / in.	DATE - 12/13/2024	REVISED -
PLOT DATE = 12/12/2024		

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CCTV CAMERA STRUCTURE, 80 FT. MOUNTING HEIGHT
FOUNDATION, SHEET 1 OF 2

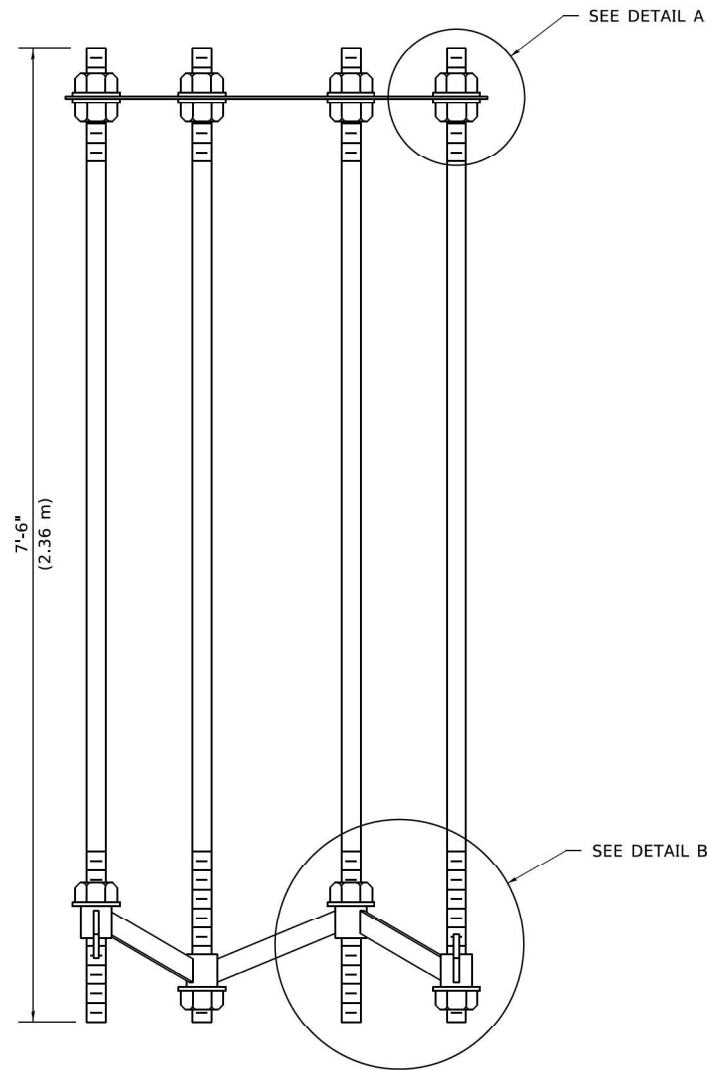
SCALE:	SHEET	OF	SHEETS	STA.	TO	STA.
--------	-------	----	--------	------	----	------

F.A.P. RTE. 342	SECTION 2018-100-BR	COUNTY COOK	TOTAL SHEETS 1351	SHEET NO. 714
CONTRACT NO. 62N91				
ILLINOIS FED. AID PROJECT				

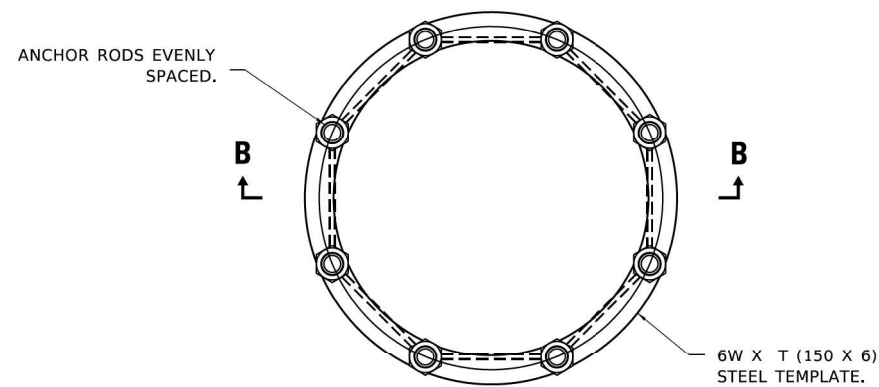
ITS-61

ROD AND REINFORCEMENT TABLE					
TOWER HEIGHT	ANCHOR ROD DIAM. (MIN)	ROD CIRCLE DIAM. (MIN)	TOWER BASE DIAM. (MIN)	DRILLED SHAFT DIAM. (1)	V BAR QTY.
80' (25 m)	1½ (38)	30 (760)	24 (610)	4'-0" (1.2 m)	14

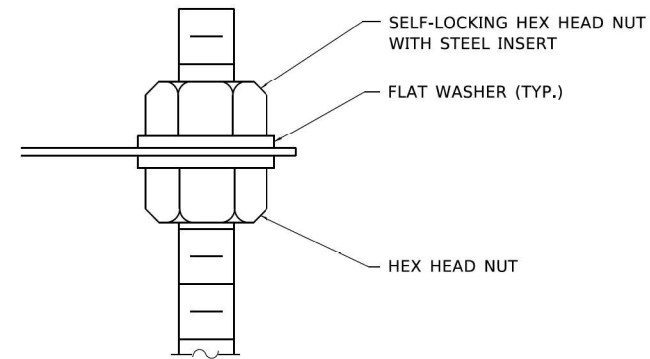
(1) DIAMETER BASED ON A 5 (125) CONC. COVER. THE MIN. COVER SHALL BE 3 (75) IN DRY SHAFT EXCAVATION AND 4 (100) IN A WET HOLE. WHEN ROCK IS ENCOUNTERED A 5 (125) COVER AGAINST SOIL AND A 2 (50) COVER AGAINST ROCK SHALL BE REQUIRED.



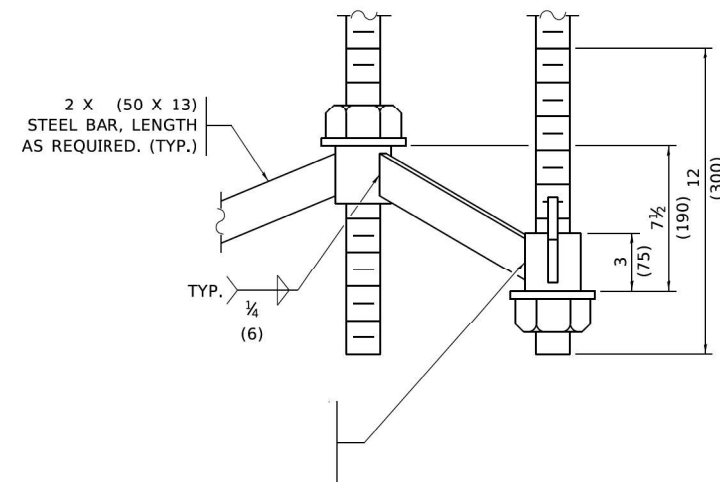
SECTION B-B



ANCHOR ROD CAGE (PLAN)



DETAIL A

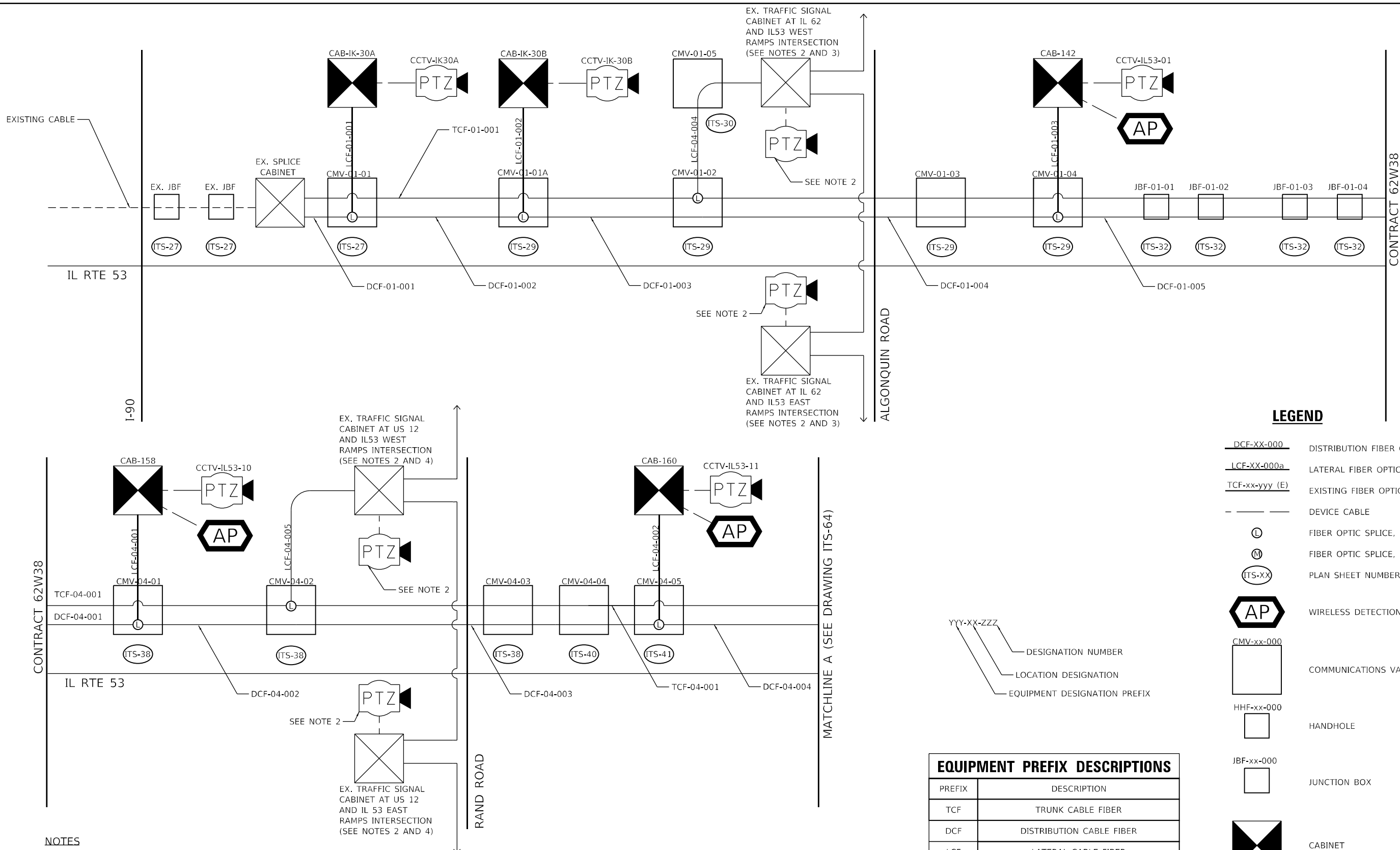


DETAIL B

GENERAL NOTES:

- ANCHOR ROD QUANTITY, DIAMETER, AND LENGTH SHALL BE DETERMINED BY THE CCTV STRUCTURE MANUFACTURER AND APPROVED BY THE ENGINEER. EACH FOUNDATION SHALL HAVE A MINIMUM OF 8 ANCHOR RODS.
- ALL FOUNDATION REINFORCEMENT STEEL SHALL BE EPOXY COATED.
- THE COST OF REINFORCEMENT SHALL BE INCLUDED IN THE COST OF THE FOUNDATION.
- STEEL ANCHOR ROD FORMS SHALL NOT BE REMOVED FOR A MINIMUM OF 3 DAYS AFTER CONCRETE IS POURED. THE TOWER SHALL NOT BE SET FOR A MINIMUM OF 7 DAYS OR AS APPROVED BY THE ENGINEER.
- COORDINATE THE ROD CIRCLE DIAMETER OF THE STRUCTURE WITH THE DIAMETER OF THE ANCHOR ROD CAGE.
- THE FOUNDATION SHALL BE POURED MONOLITHICALLY AND SHALL HAVE NO CONSTRUCTION JOINTS.
- GROUNDING ELECTRODES SHALL BE INSTALLED IN AN ACCESS WELL WHEN THERE IS A CONFLICT IN USING THE METHOD SHOWN.
- ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN.

MODEL: P:\cctv\18111\18111.dwg FILE NAME: 18111\18111.dwg PROJECT: 27.145\04_CADD\CADD_Sheets\Contract_2\New_SolentIS_Planes\0162N91-C2-Hot-rt-rt-41.dwg



LEGEND

- DCF-XX-000 DISTRIBUTION FIBER OPTIC CABLE, 144 FIBER
- LCF-XX-000a LATERAL FIBER OPTIC CABLE, 12 FIBER
- TCF-xx-yyy (E) EXISTING FIBER OPTIC CABLE
- - - - - DEVICE CABLE
- ⊙ FIBER OPTIC SPLICE, LATERAL
- ⊙ FIBER OPTIC SPLICE, MAINLINE
- (ITS-XX) PLAN SHEET NUMBER
- AP WIRELESS DETECTION SYSTEM ACCESS POINT

YYY-XX-ZZZ
 --- DESIGNATION NUMBER
 --- LOCATION DESIGNATION
 --- EQUIPMENT DESIGNATION PREFIX

EQUIPMENT PREFIX DESCRIPTIONS

PREFIX	DESCRIPTION
TCF	TRUNK CABLE FIBER
DCF	DISTRIBUTION CABLE FIBER
LCF	LATERAL CABLE FIBER
CMV	COMMUNICATION VAULT
HHF	HAND HOLE FIBER
JBF	JUNCTION BOX
CCTV	CLOSED-CIRCUIT TELEVISION

- CMV-xx-000 COMMUNICATIONS VAULT
- HHF-xx-000 HANDHOLE
- JBF-xx-000 JUNCTION BOX
- CABINET
- PTZ CCTV CAMERA
- DMS DYNAMIC MESSAGE SIGN

NOTES

- TRACER CABLE HAS BEEN OMITTED FOR PLAN CLARITY.
- SEE TRAFFIC SIGNAL AND INTERCONNECT DRAWINGS FOR ADDITIONAL DETAILS AND PAYMENT.
- THE INTERSECTIONS OF IL 62 WITH THE IL 53 WEST RAMPS AND IL 53 EAST RAMPS SHALL REMAIN ON THE IDOT CENTRACS.
- THE INTERSECTIONS OF US 12 WITH THE IL 53 WEST RAMPS AND THE IL 53 EAST RAMPS SHALL REMAIN ON THE IDOT CLOSED LOOP SYSTEM ECON 164.

MODEL: D:\default... FILE NAME: I:\Projects\1214504_CADD\CADD_Sheets\Contract_2\New_Illinois\ITS_PLANS\1214504_LC2\1214504-61A.dgn



USER NAME = vrunez	DESIGNED - SG	REVISED -
PLOT SCALE = 100,0000' / in.	DRAWN - MAG/VN	REVISED -
PLOT DATE = 1/21/2025	CHECKED - RP	REVISED -
	DATE - 12/13/2024	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

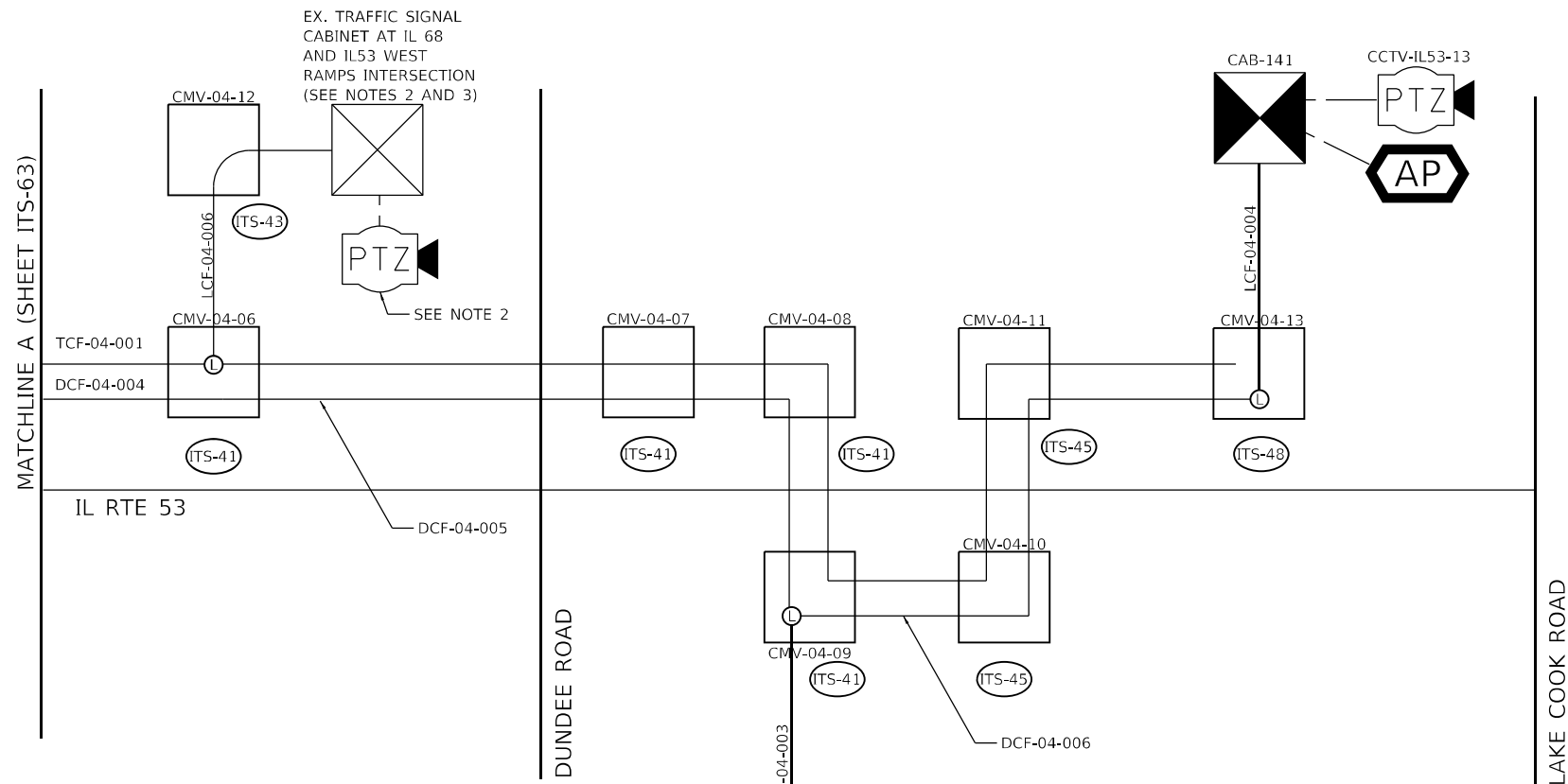
INTELLIGENT TRANSPORTATION SYSTEMS
COMMUNICATION SINGLE LINE DIAGRAM

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE. 342	SECTION 2018-100-BR	COUNTY COOK	TOTAL SHEETS 1351	SHEET NO. 716
ILLINOIS FED. AID PROJECT			CONTRACT NO. 62N91	

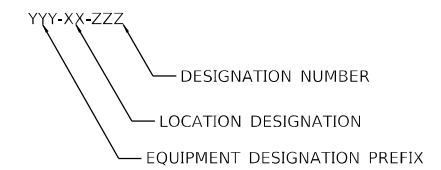
ITS-63

MATCHLINE A (SHEET ITS-63)



LEGEND

- DCF-XX-000 DISTRIBUTION FIBER OPTIC CABLE, 144 FIBER
- LCF-XX-000a LATERAL FIBER OPTIC CABLE, 12 FIBER
- TCF-xx-yyy (E) EXISTING FIBER OPTIC CABLE
- - - - - DEVICE CABLE
- ⊙ FIBER OPTIC SPLICE, LATERAL
- ⊙ FIBER OPTIC SPLICE, MAINLINE
- (ITS-XX) PLAN SHEET NUMBER
- AP WIRELESS DETECTION SYSTEM ACCESS POINT
- CMV-xx-000 COMMUNICATIONS VAULT
- HHF-xx-000 HANDHOLE
- JBF-xx-000 JUNCTION BOX
- CABINET
- PTZ CCTV CAMERA
- DMS DYNAMIC MESSAGE SIGN



EQUIPMENT PREFIX DESCRIPTIONS

PREFIX	DESCRIPTION
TCF	TRUNK CABLE FIBER
DCF	DISTRIBUTION CABLE FIBER
LCF	LATERAL CABLE FIBER
CMV	COMMUNICATION VAULT
HHF	HAND HOLE FIBER
JBF	JUNCTION BOX
CCTV	CLOSED-CIRCUIT TELEVISION

NOTES

1. TRACER CABLE HAS BEEN OMITTED FOR PLAN CLARITY.
2. SEE TRAFFIC SIGNAL AND INTERCONNECT DRAWINGS FOR ADDITIONAL DETAILS AND PAYMENT.
3. THE INTERSECTIONS OF IL 68 WITH THE IL 53 WEST RAMPS AND IL 53 EAST RAMPS SHALL REMAIN ON THE IDOT CLOSED LOOP SYSTEM ECON 92.

ITS-64

MODEL: Default; FILE NAME: C:\Users\jgibson\OneDrive\Documents\Projects\2018\ITS-64\CADD\CADD_Sheets\Contract_2\New\ITS-64\ITS-64.dwg



USER NAME = vruwez	DESIGNED - SG	REVISED -
PLOT SCALE = 100,0000' / in.	DRAWN - MAG/VN	REVISED -
PLOT DATE = 1/21/2025	CHECKED - RP	REVISED -
	DATE - 12/13/2024	REVISED -

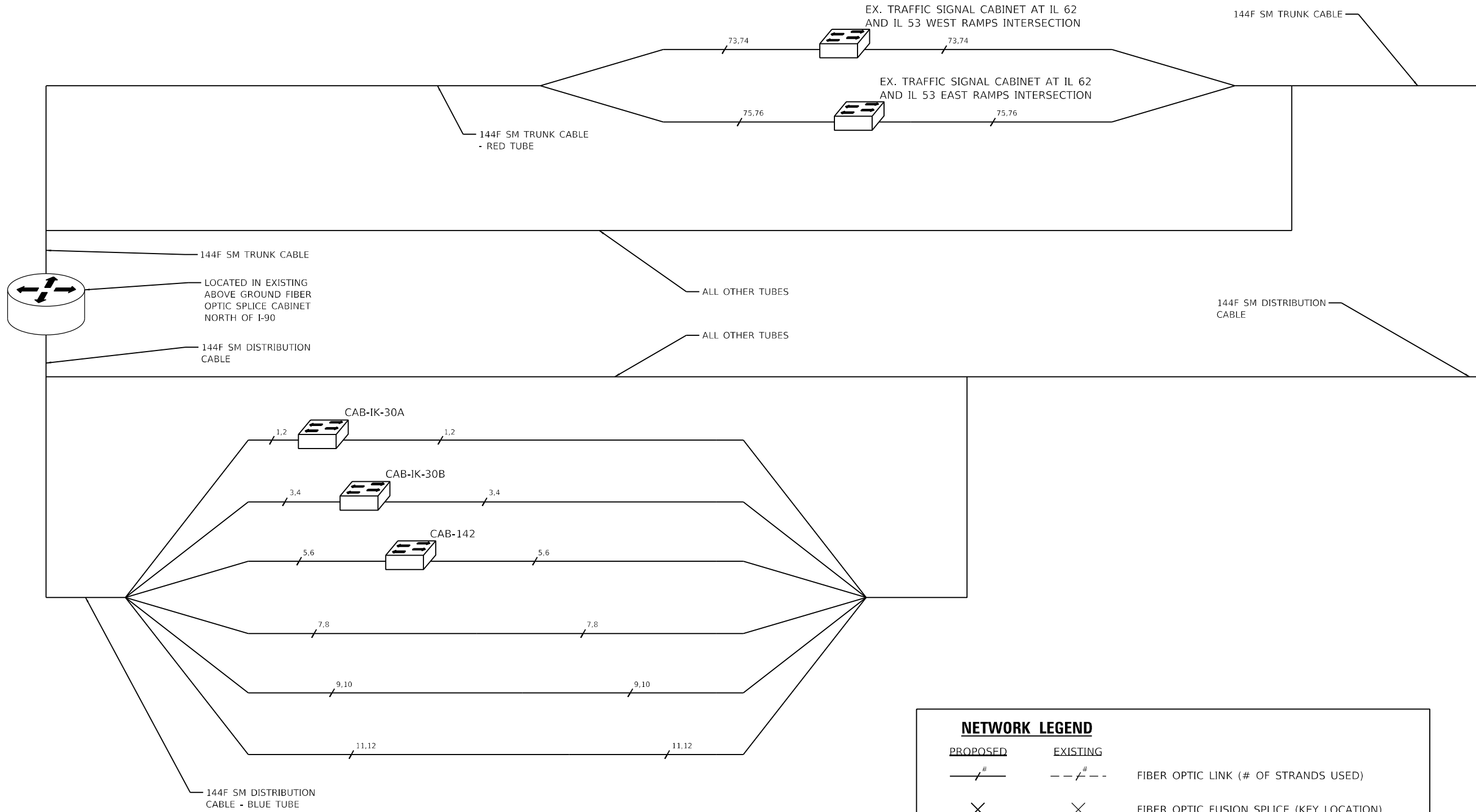
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

INTELLIGENT TRANSPORTATION SYSTEMS
COMMUNICATION SINGLE LINE DIAGRAM

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
342	2018-100-BR	COOK	1351	717
			CONTRACT NO. 62N91	
		ILLINOIS FED. AID PROJECT		

MATCHLINE A (CONTRACT 62W38)



NETWORK LEGEND

PROPOSED	EXISTING	
		FIBER OPTIC LINK (# OF STRANDS USED)
		FIBER OPTIC FUSION SPLICE (KEY LOCATION)
		LAYER 2 (NETWORK) SWITCH FOR TRAFFIC SIGNALS
		LAYER 3 (NETWORK) SWITCH
		LAYER 3 (NODE) SWITCH OR CORE SWITCH

MODEL: Default; FILE NAME: \\snp\project\1214504_CADD\CADD-Sheets\Contract_2\New\IntelligentITS_PLANS\0162\91_LC2\Intelli-ITS-61C.dgn



USER NAME = vruwez	DESIGNED - SG	REVISED -
DRAWN - MAG/VN	CHECKED - RP	REVISED -
PLOT SCALE = 100,0000' / in.	DATE - 12/13/2024	REVISED -
PLOT DATE = 1/21/2025		

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

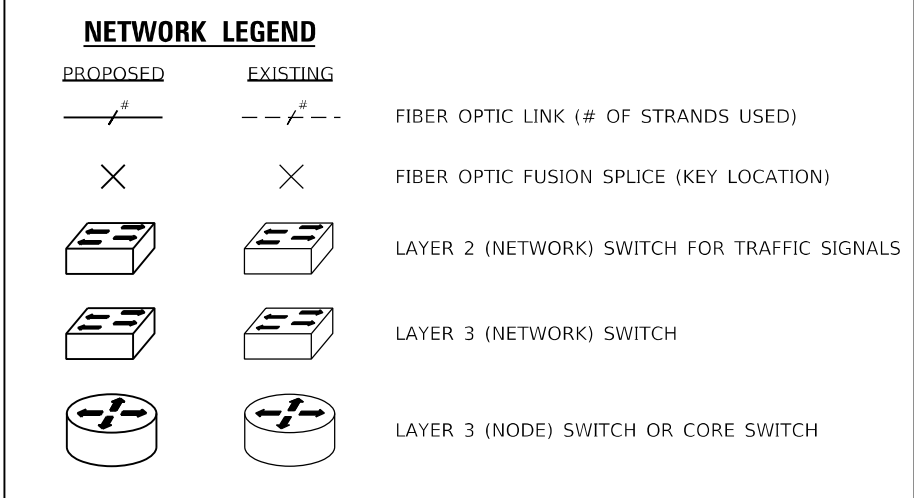
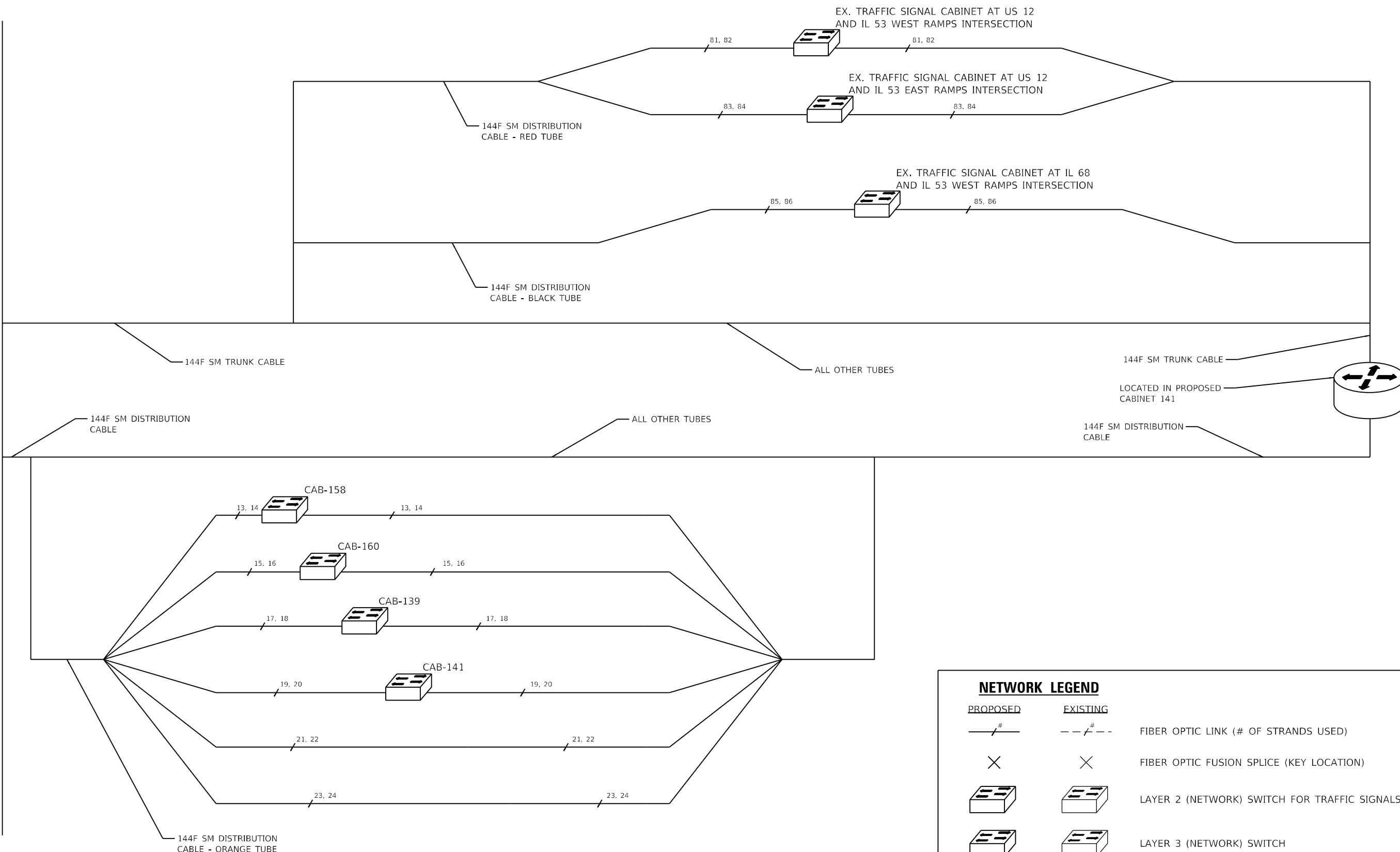
INTELLIGENT TRANSPORTATION SYSTEMS
COMMUNICATION NETWORK OVERVIEW

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
342	2018-100-BR	COOK	1351	718
ILLINOIS FED. AID PROJECT			CONTRACT NO. 62N91	

ITS-65

MATCHLINE A (CONTRACT 62W38)



MODEL: Default; FILE NAME: \\snp\project\1214504_CADD\CADD-Sheets\Contract_2\New\IntelligentSystems_PLANS\62W38\142\Int-62W38-610.dgn



USER NAME = vruwez	DESIGNED - SG	REVISED -
PLOT SCALE = 100,0000' / in.	DRAWN - MAG/VN	REVISED -
PLOT DATE = 1/21/2025	CHECKED - RP	REVISED -
	DATE - 12/13/2024	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

INTELLIGENT TRANSPORTATION SYSTEMS
COMMUNICATION NETWORK OVERVIEW

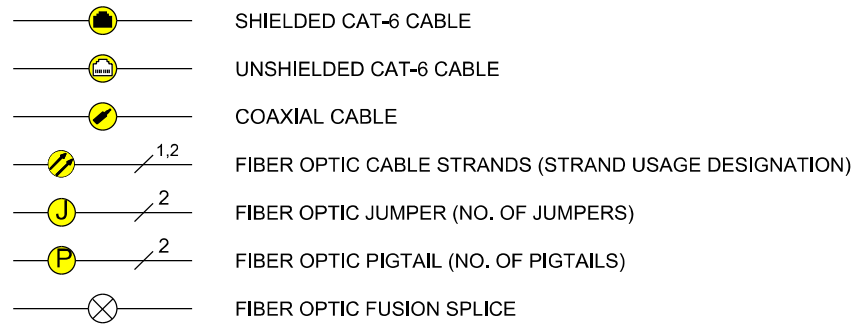
SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE. 342	SECTION 2018-100-BR	COUNTY COOK	TOTAL SHEETS 1351	SHEET NO. 719
ILLINOIS FED. AID PROJECT			CONTRACT NO. 62N91	

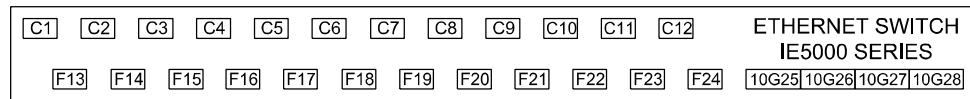
ITS-66

NETWORK DIAGRAM LEGEND

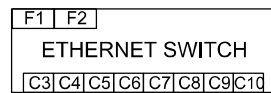
CABLES



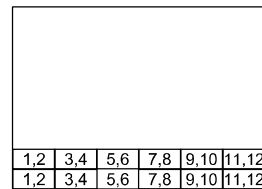
FIELD DEVICES AND CABINET EQUIPMENT



LAYER 3 (NODE) ETHERNET SWITCH



LAYER 2 OR 3 (NETWORK) ETHERNET SWITCH (AS NOTED ON DRAWINGS)



FIBER OPTIC PATCH PANEL AND SPLICE TRAYS



IP RELAY FOR REMOTE CAMERA RESTART



PROPOSED HD PTZ CCTV CAMERA



EXISTING PTZ CCTV CAMERA



PROPOSED ACCESS POINT

GENERAL NOTES

NOTES:

1. DASHED LINES INDICATE EXISTING EQUIPMENT, CABLES, AND ENCLOSURES.
2. ONLY COMMUNICATIONS VAULTS AT KEY LOCATION SHOWN FOR CLARITY.
3. NOT ALL FIBERS ARE SHOWN FOR CLARITY. ONLY FIBERS USED FOR NETWORK ACTIVE NETWORK LINKS ARE SHOWN.
4. SEE FIBER OPTIC SPLICING SHEETS FOR ALL FIBER STRAND TREATMENTS AT EACH SPLICING LOCATION.

MODEL: Default
 FILE NAME: U:\Project\3214504_CADD\CADD-Sheets\Contract_2\New\14\Sheet15_PLANS\162\161_LC2\161-sh-16-62.dgn



USER NAME = vruvez	DESIGNED - SG	REVISED -
PLOT SCALE = 100,0000 ' / in.	DRAWN - MAG/VN	REVISED -
PLOT DATE = 12/12/2024	CHECKED - RP	REVISED -
	DATE - 12/13/2024	REVISED -

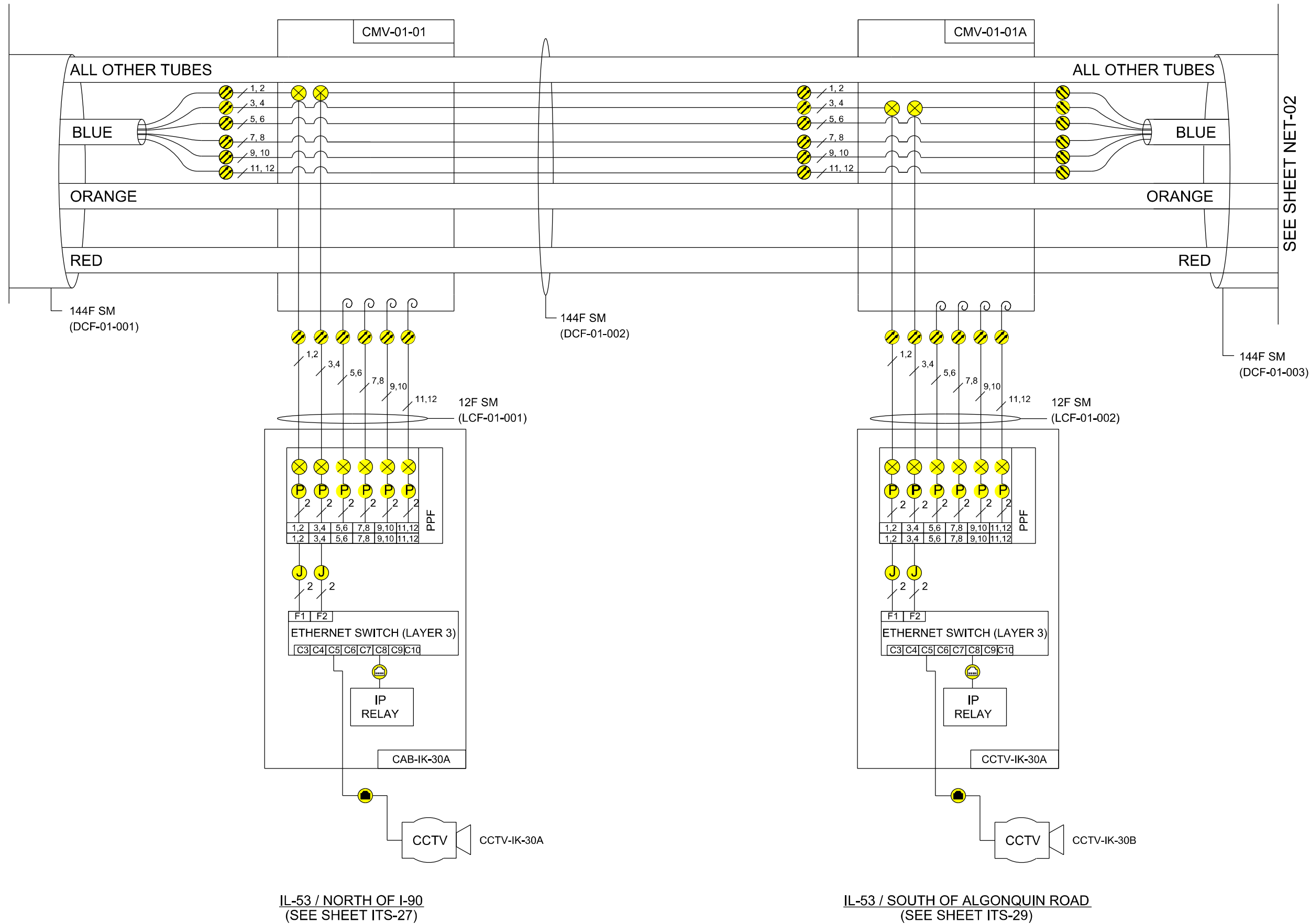
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

NETWORK DIAGRAM LEGEND

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
342	2018-100-BR	COOK	1351	720
ILLINOIS FED. AID PROJECT			CONTRACT NO. 62N91	

ITS-67



SEE SHEET NET-02

IL-53 / NORTH OF I-90
(SEE SHEET ITS-27)

IL-53 / SOUTH OF ALGONQUIN ROAD
(SEE SHEET ITS-29)

MODEL: D:\a\11... FILE: N:\a\11... C:\DDDCADD_Sheets\Contract_2\New_GoldenITS_PLANS\16291-C2-H01-11-15-24.dwg



USER NAME = vruinez	DESIGNED - SG	REVISED -
PLOT SCALE = 100,0000' / in.	DRAWN - MAG/VN	REVISED -
PLOT DATE = 12/12/2024	CHECKED - RP	REVISED -
	DATE - 12/13/2024	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

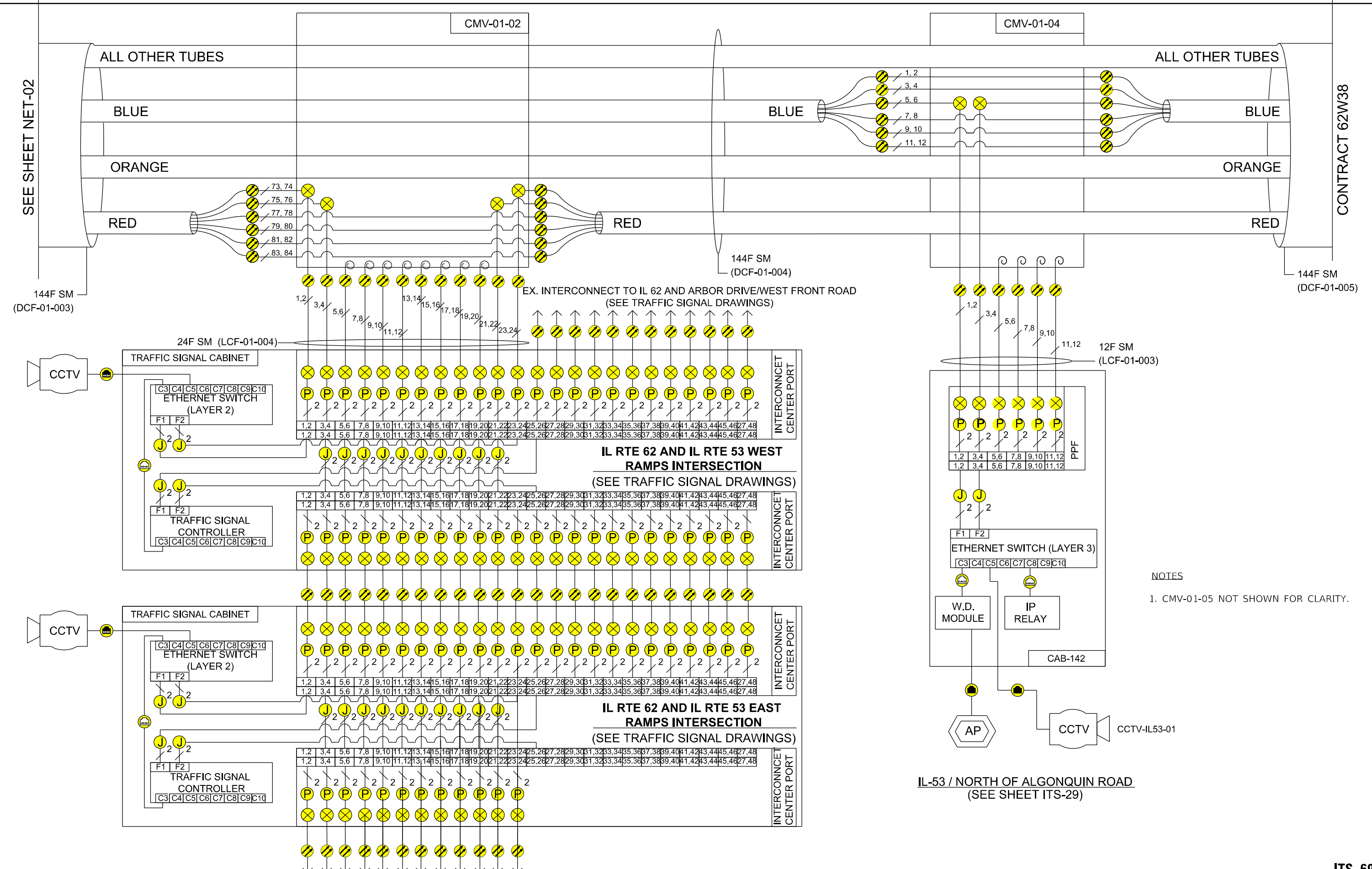
NETWORK COMMUNICATION LINK DIAGRAM

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE. 342	SECTION 2018-100-BR	COUNTY COOK	TOTAL SHEETS 1351	SHEET NO. 721
CONTRACT NO. 62N91				
ILLINOIS FED. AID PROJECT				

SEE SHEET NET-02

CONTRACT 62W38



NOTES
1. CMV-01-05 NOT SHOWN FOR CLARITY.

MODEL: Defaul
FILE: \\miller\c\11\proj\6237145\04_CADD\CADD-Sheets\Contract_2\New_GoldenVTS_Plans\10631931-C2-Hdn-Net-62W38.dwg



USER NAME = vnunez	DESIGNED - SG	REVISED -
PLOT SCALE = 100,0000' / in.	DRAWN - MAG/VN	REVISED -
PLOT DATE = 12/12/2024	CHECKED - RP	REVISED -
	DATE - 12/13/2024	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

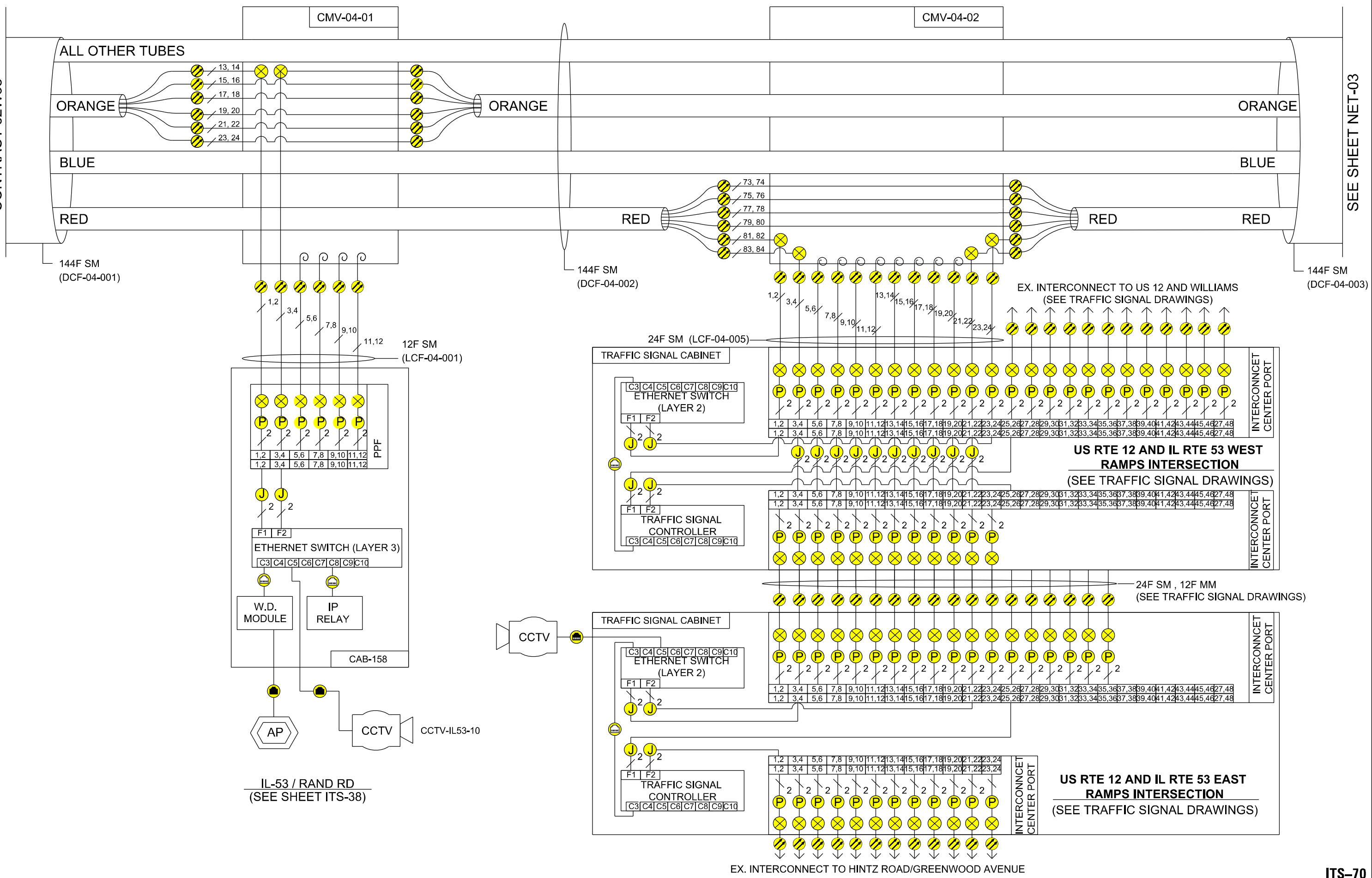
NETWORK COMMUNICATION LINK DIAGRAM			
SCALE:	SHEET	OF SHEETS	STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
342	2018-100-BR	COOK	1351	722
CONTRACT NO. 62N91				
ILLINOIS FED. AID PROJECT				

ITS-69

CONTRACT 62W38

SEE SHEET NET-03



MODEL: D:\a\11... FILE: W:\a\11... CONTRACT: 62W38... SHEET: NET-03



USER NAME = vruitez	DESIGNED - SG	REVISED -
PLOT SCALE = 100,0000' / in.	DRAWN - MAG/VN	REVISED -
PLOT DATE = 12/12/2024	CHECKED - RP	REVISED -
	DATE - 12/13/2024	REVISED -

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

NETWORK COMMUNICATION LINK DIAGRAM

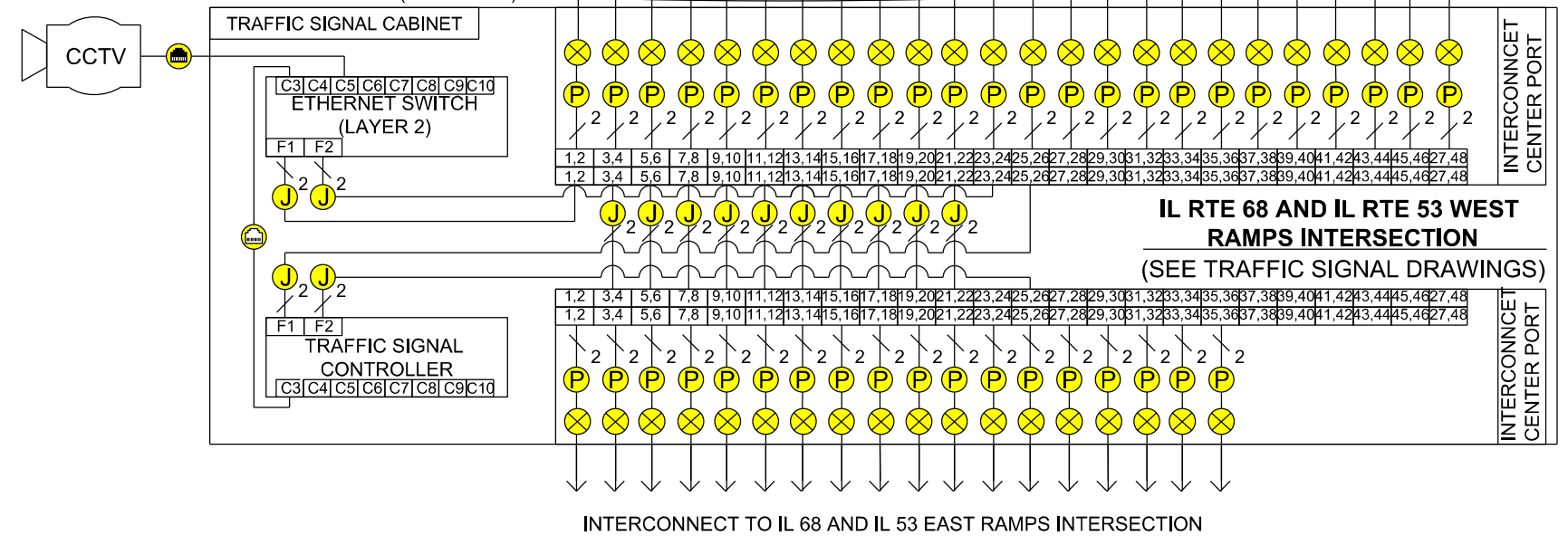
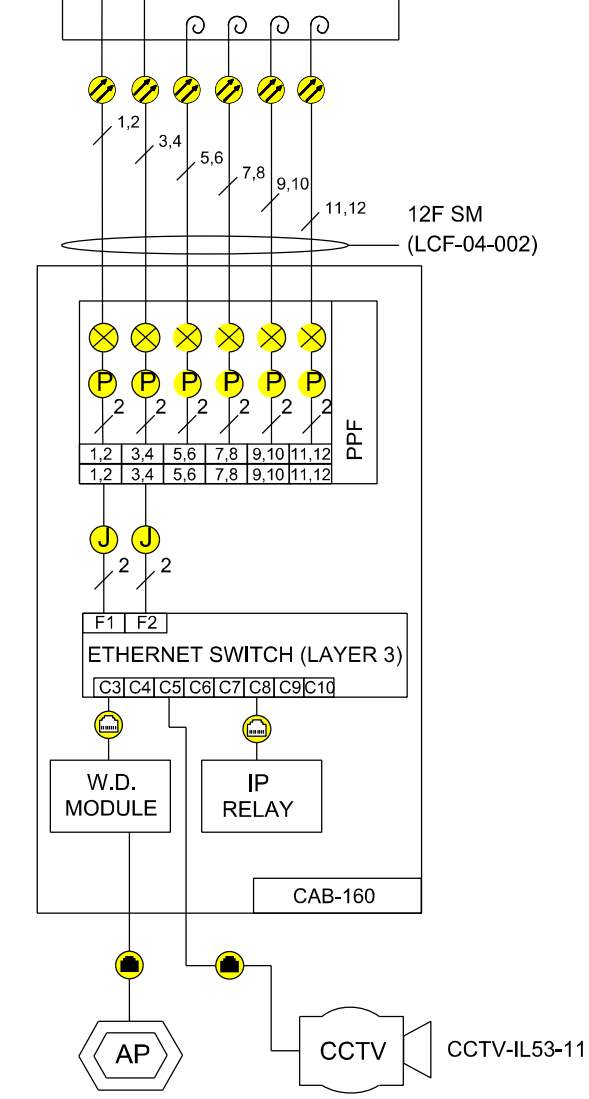
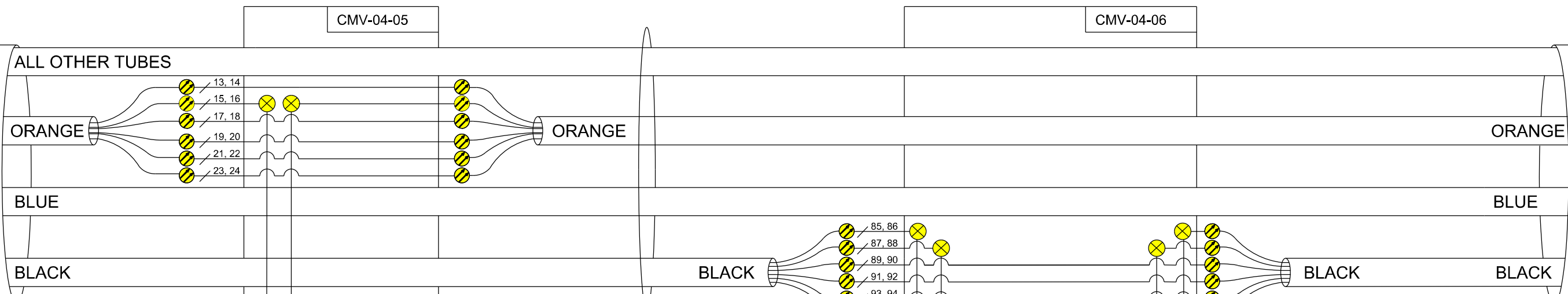
SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE. 342	SECTION 2018-100-BR	COUNTY COOK	TOTAL SHEETS 1351	SHEET NO. 723
CONTRACT NO. 62N91				
ILLINOIS FED. AID PROJECT				

ITS-70

SEE SHEET NET-XX

SEE SHEET NET-05



MODEL: Default
FILE: W:\NETS\110117\proj\c27145\04_CADD\CADD_Sheets\Cont\act_2\New\old\Net\ITS_PLANS\110117\110117-1-C2-H01-Net-IL-53.dwg



USER NAME = vruitez	DESIGNED - SG	REVISED -
PLOT SCALE = 100,0000' / in.	DRAWN - MAG/VN	REVISED -
PLOT DATE = 12/12/2024	CHECKED - RP	REVISED -
	DATE - 12/13/2024	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

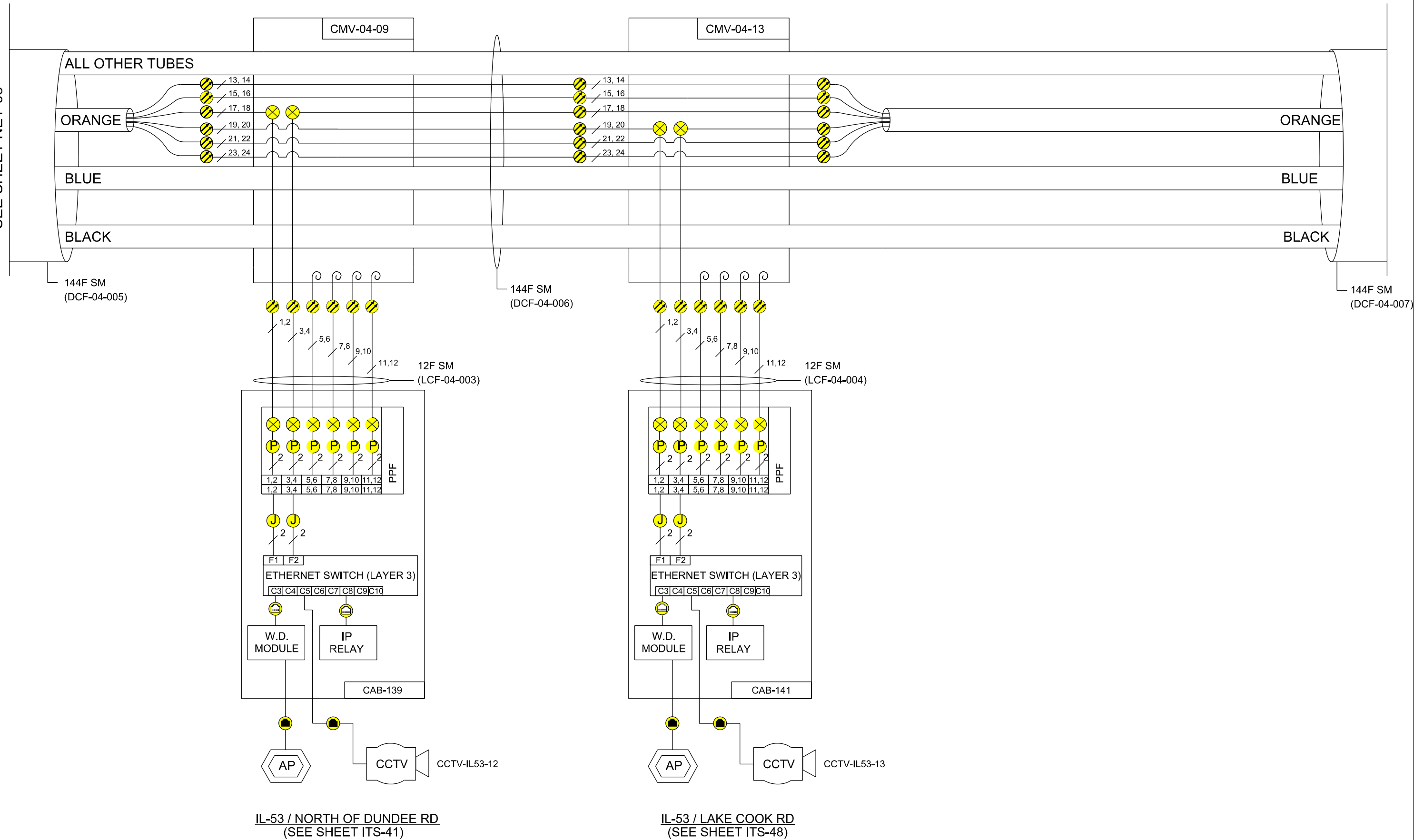
NETWORK COMMUNICATION LINK DIAGRAM

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

F.A.P. RTE. 342	SECTION 2018-100-BR	COUNTY COOK	TOTAL SHEETS 1351	SHEET NO. 724
CONTRACT NO. 62N91				
ILLINOIS FED. AID PROJECT				

ITS-71

SEE SHEET NET-03



MODEL: Default
FILE: \\miller\10111\proj\62145\04_CADD\CADD-Sheets\Contract_ZIN\New_Golden\ITS_PLANS\0162145\1-C2-H01-Net-Its-62145.dwg



USER NAME = vrunez	DESIGNED - SG	REVISED -
PLOT SCALE = 100,0000' / in.	DRAWN - MAG/VN	REVISED -
PLOT DATE = 12/12/2024	CHECKED - RP	REVISED -
	DATE - 12/13/2024	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

NETWORK COMMUNICATION LINK DIAGRAM

SCALE: SHEET OF SHEETS STA. TO STA.

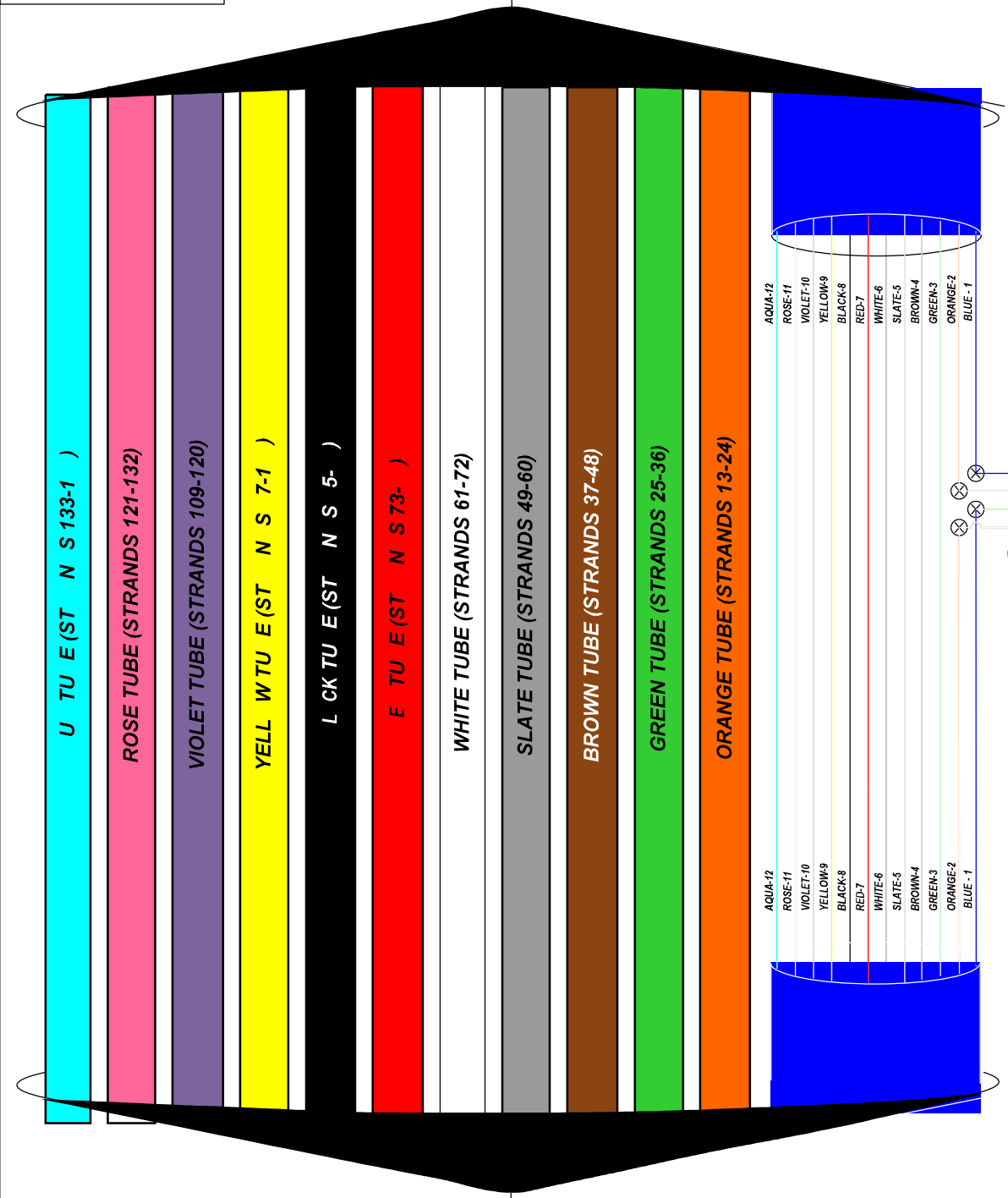
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
342	2018-100-BR	COOK	1351	725
CONTRACT NO. 62N91			ILLINOIS FED. AID PROJECT	

ITS-72

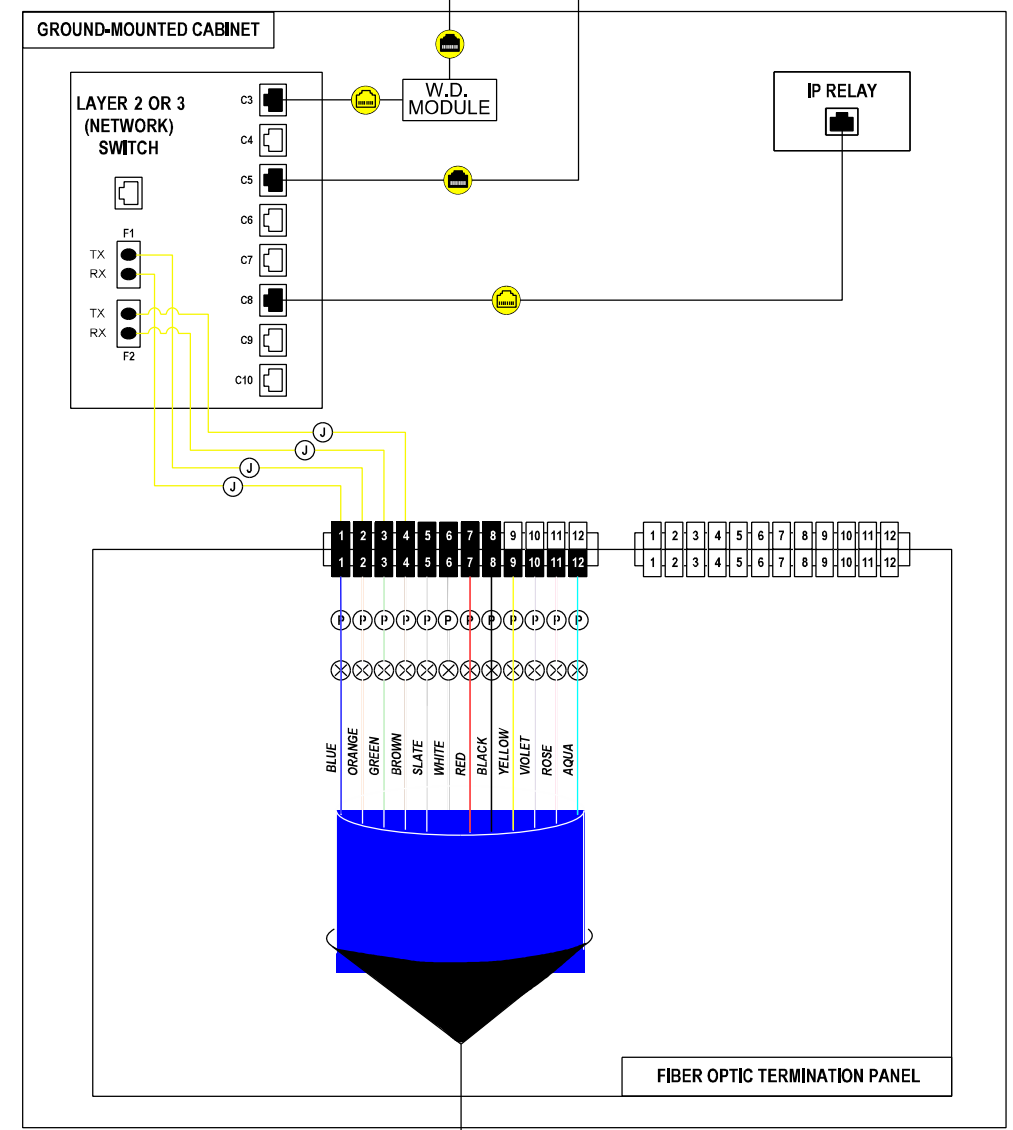
144F DISTRIBUTION CABLE

COMMUNICATIONS VAULT

FIBER OPTIC SPLICE CLOSURE



144F DISTRIBUTION CABLE



LATERAL CABLE
(12 SM SHOWN)

- NOTES:
1. DISTRIBUTION AND LATERAL SPLICING ASSIGNMENTS VARY BY LOCATION. SEE FIBER ASSIGNMENT TABLES FOR SITE SPECIFIC DETAILS.
 2. FIBER OPTIC STRANDS IN DISTRIBUTION CABLES NOT CALLED OUT FOR SPLICING TO A LATERAL SHALL PASS THROUGH THE COMMUNICATIONS VAULT UNCUT.
 3. ALL FIBER OPTIC STRANDS IN THE LATERAL CABLE ENTERING THE CABINET SHALL BE FUSION SPLICED TO PIGTAILS AND TERMINATED ON THE PATCH PANEL.
 4. FIBER OPTIC STRANDS IN THE LATERAL CABLE ENTERING THE UNDERGROUND SPLICE CLOSURE THAT ARE NOT FUSION SPLICED TO DISTRIBUTION CABLE STRANDS SHALL BE LEFT NEATLY COILED IN THE SPLICE TRAY.

MODEL: Default; FILE: \\server\cadd\projects\2023\145\04_CADD\CADD_Sheets\Contract_2\New_GoldenVTS_PLANS\1453191-C2-Hold-It-64.dwg



USER NAME = vrunez	DESIGNED - SG	REVISED -
PLOT SCALE = 100,0000' / in.	DRAWN - MAG/VN	REVISED -
PLOT DATE = 12/12/2024	CHECKED - RP	REVISED -
	DATE - 12/13/2024	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

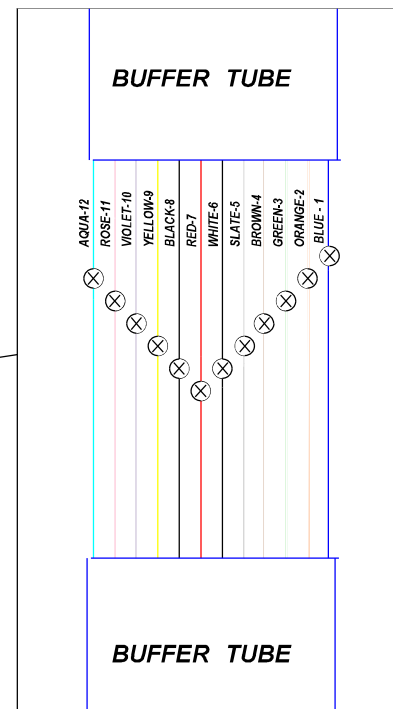
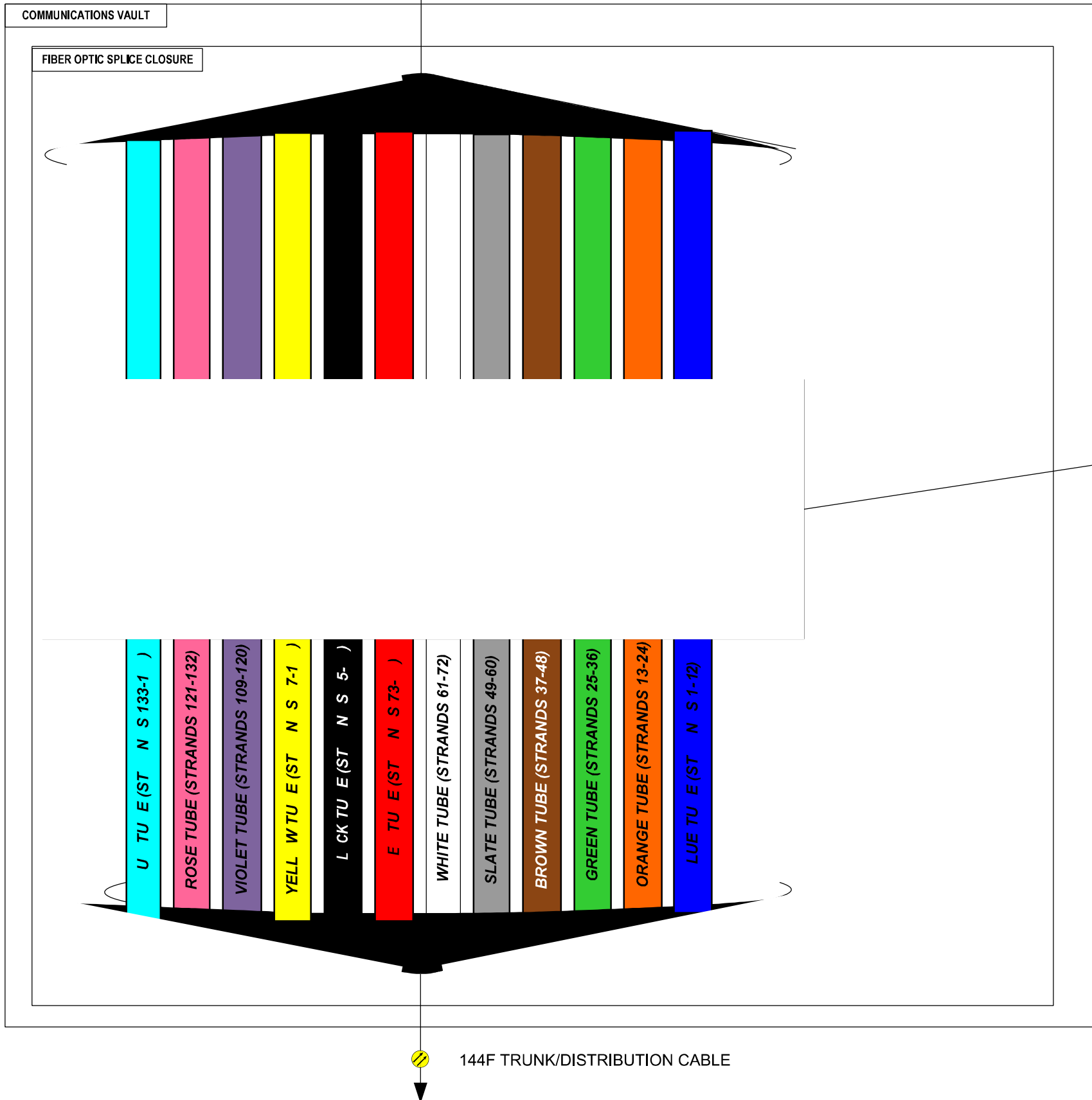
TYPICAL FIBER OPTIC LATERAL SPLICING DETAIL
GROUND MOUNTED CABINETS

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE. 342	SECTION 2018-100-BR	COUNTY COOK	TOTAL SHEETS 1351	SHEET NO. 726
CONTRACT NO. 62N91				
ILLINOIS FED. AID PROJECT				

ITS-73

144F TRUNK/DISTRIBUTION CABLE



FIBER OPTIC SPLICES IN EACH BUFFER TUBE

- NOTES:
1. DISTRIBUTION AND LATERAL SPLICING ASSIGNMENTS VARY BY LOCATION. SEE FIBER ASSIGNMENT TABLES FOR SITE SPECIFIC DETAILS.
 2. FIBER OPTIC STRANDS IN DISTRIBUTION CABLES NOT CALLED OUT FOR SPLICING TO A LATERAL SHALL PASS THROUGH THE COMMUNICATIONS VAULT UN CUT.
 3. ALL FIBER OPTIC STRANDS IN THE LATERAL CABLE ENTERING THE CABINET SHALL BE FUSION SPLICED TO PIGTAILS AND TERMINATED ON THE PATCH PANEL.
 4. FIBER OPTIC STRANDS IN THE LATERAL CABLE ENTERING THE UNDERGROUND SPLICE CLOSURE THAT ARE NOT FUSION SPLICED TO DISTRIBUTION CABLE STRANDS SHALL BE LEFT NEATLY COILED IN THE SPLICE TRAY.

MODEL: Default
FILE: \\server\1011\proj\6227145\04_CADD\CADD_Sheets\Cont\act_2\1\new_60\60\115_Plan\6103101-C2-H01-11-16-24.dwg

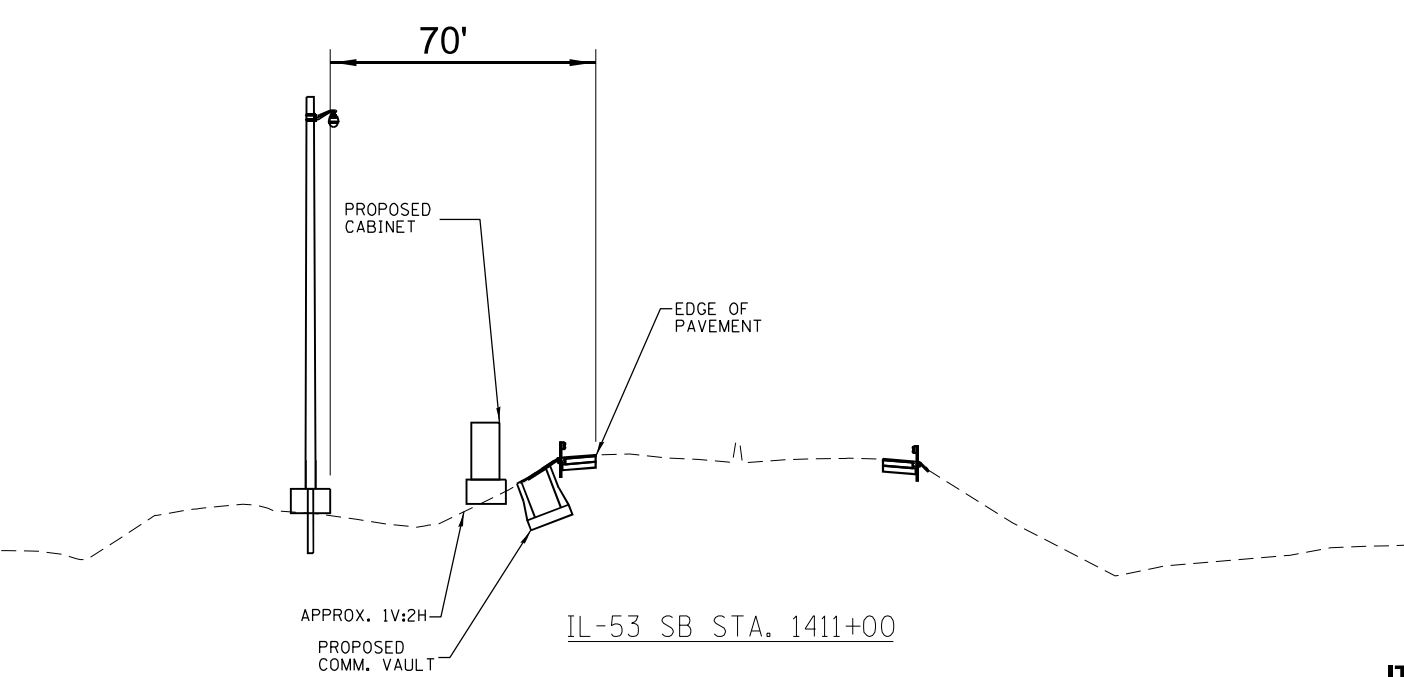
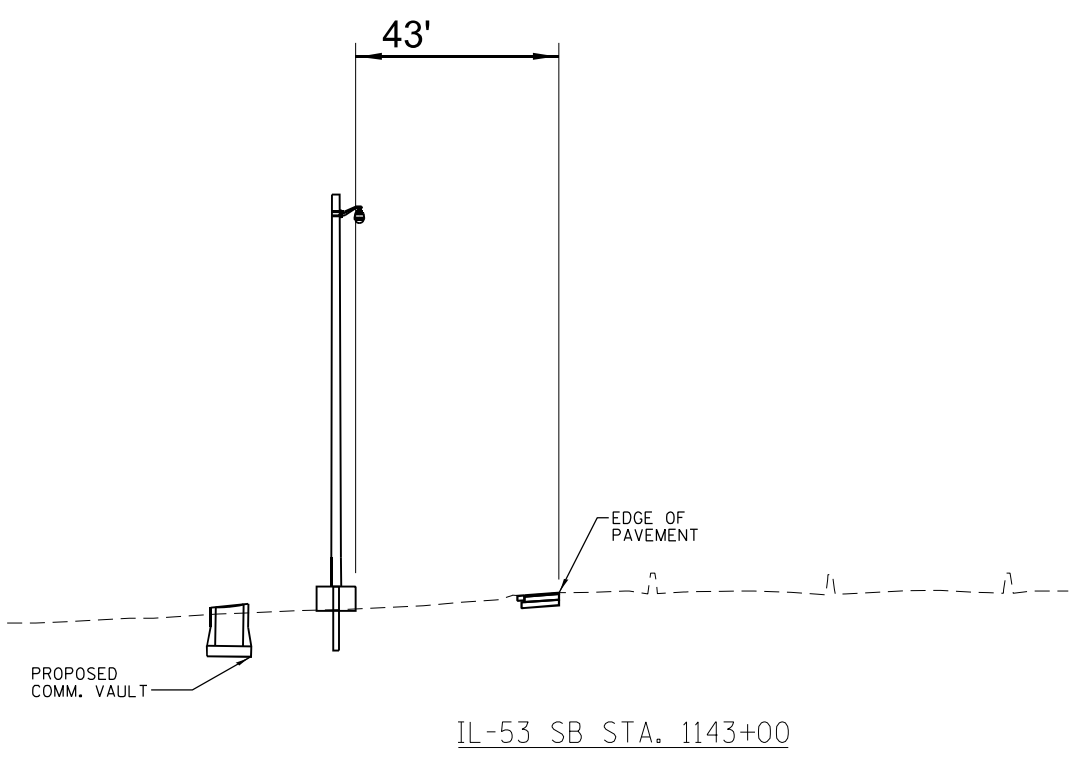
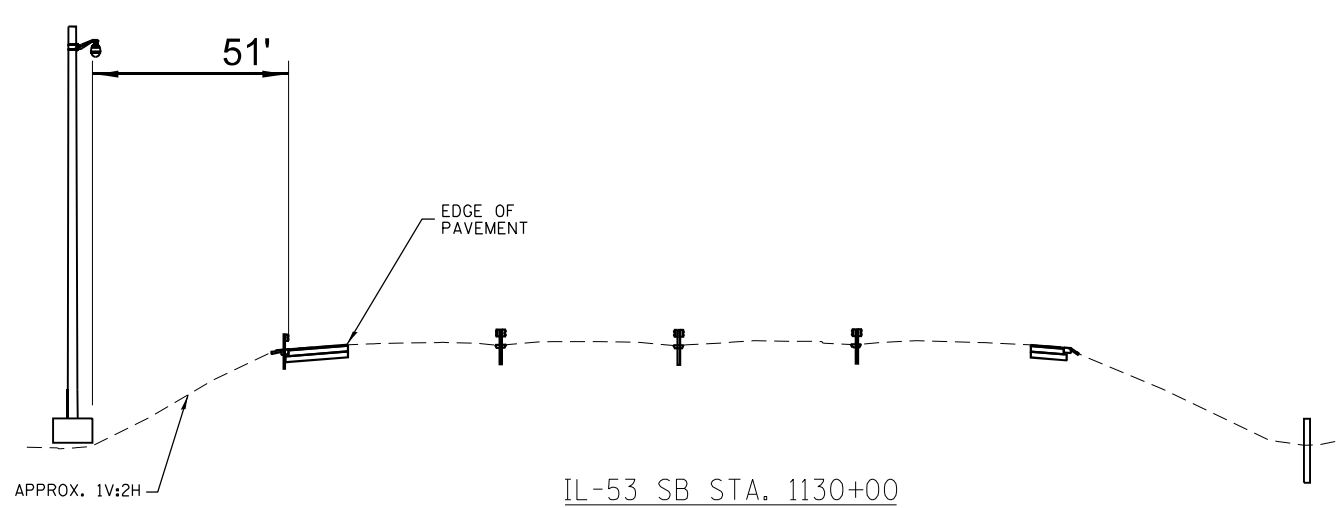
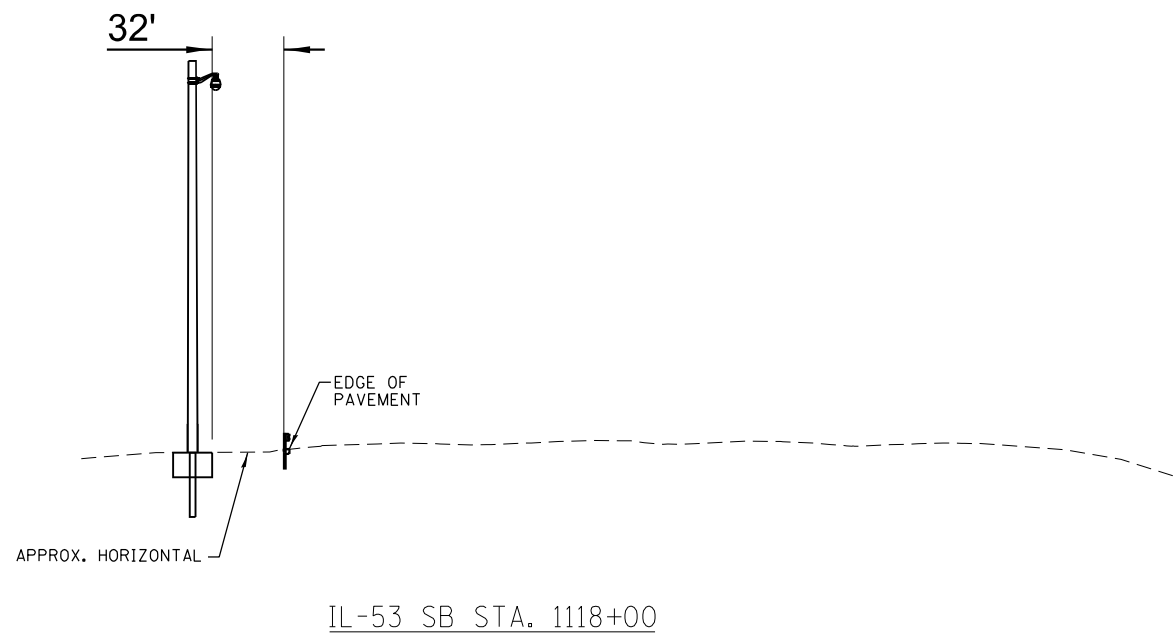


USER NAME = vruitez	DESIGNED - SG	REVISED -
PLOT SCALE = 100,0000' / in.	DRAWN - MAG/VN	REVISED -
PLOT DATE = 12/12/2024	CHECKED - RP	REVISED -
	DATE - 12/13/2024	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TYPICAL FIBER OPTIC MAINLINE SPLICE DETAIL			
SCALE:	SHEET	OF SHEETS	STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
342	2018-100-BR	COOK	1351	727
CONTRACT NO. 62N91				
ILLINOIS FED. AID PROJECT				



MODEL Path: \\...
 FILE NAME: \\...



USER NAME = vturnez
PLOT SCALE = 100,0000' / in.
PLOT DATE = 12/12/2024

DESIGNED - SG	REVISIONS
DRAWN - MAG/VN	REVISIONS
CHECKED - RP	REVISIONS
DATE - 12/13/2024	REVISIONS

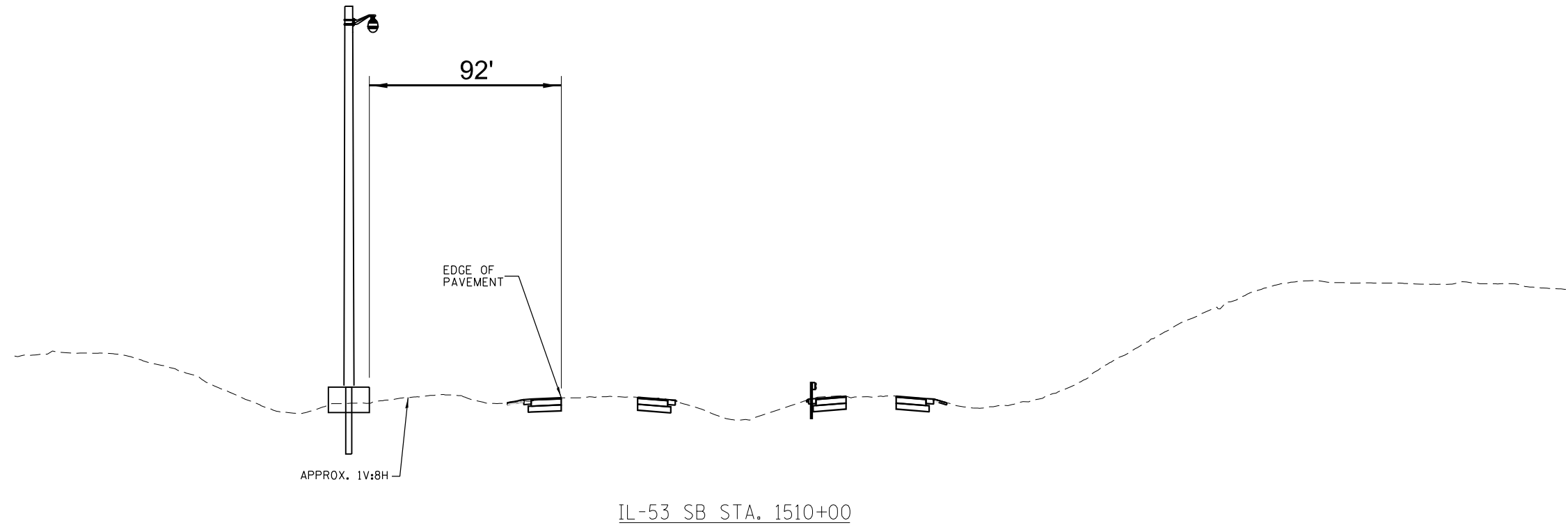
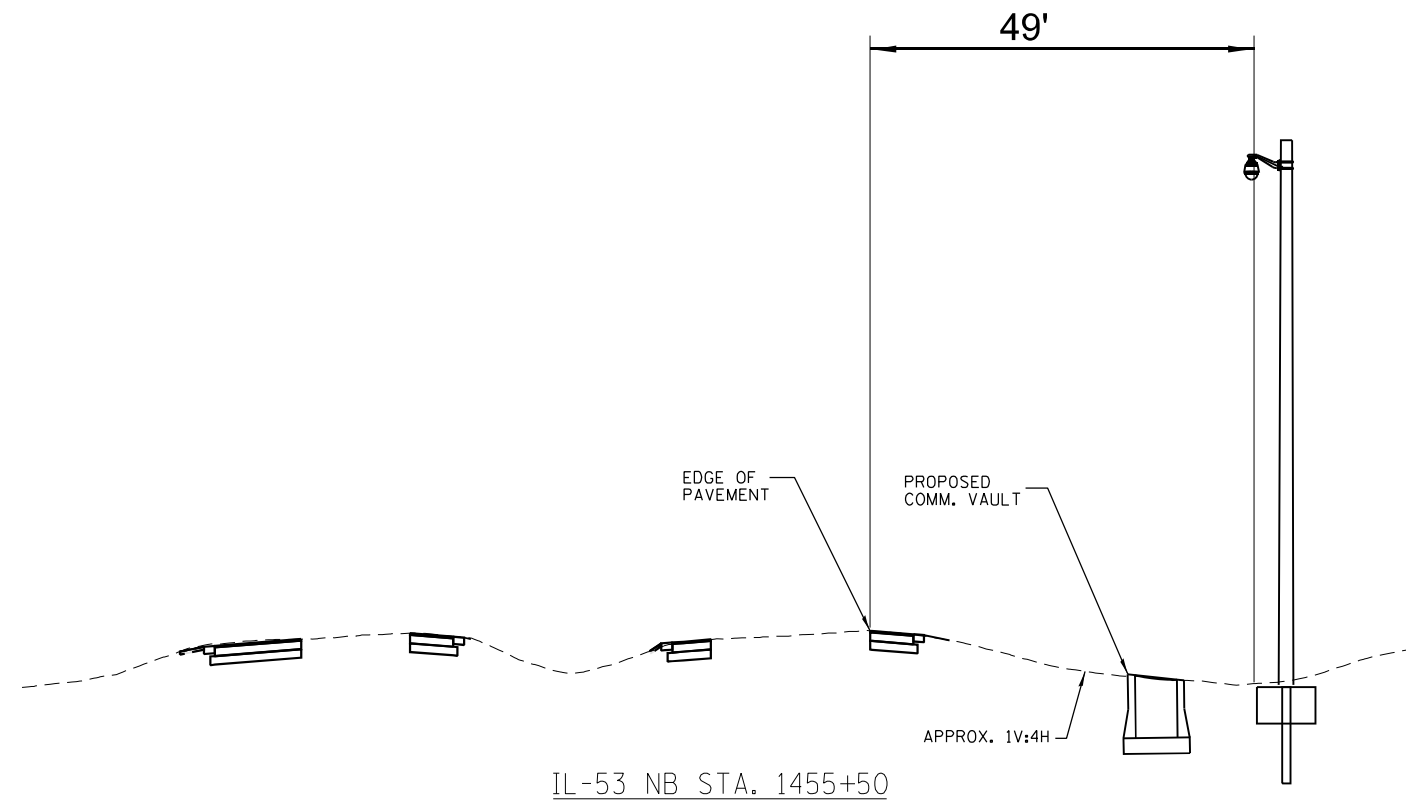
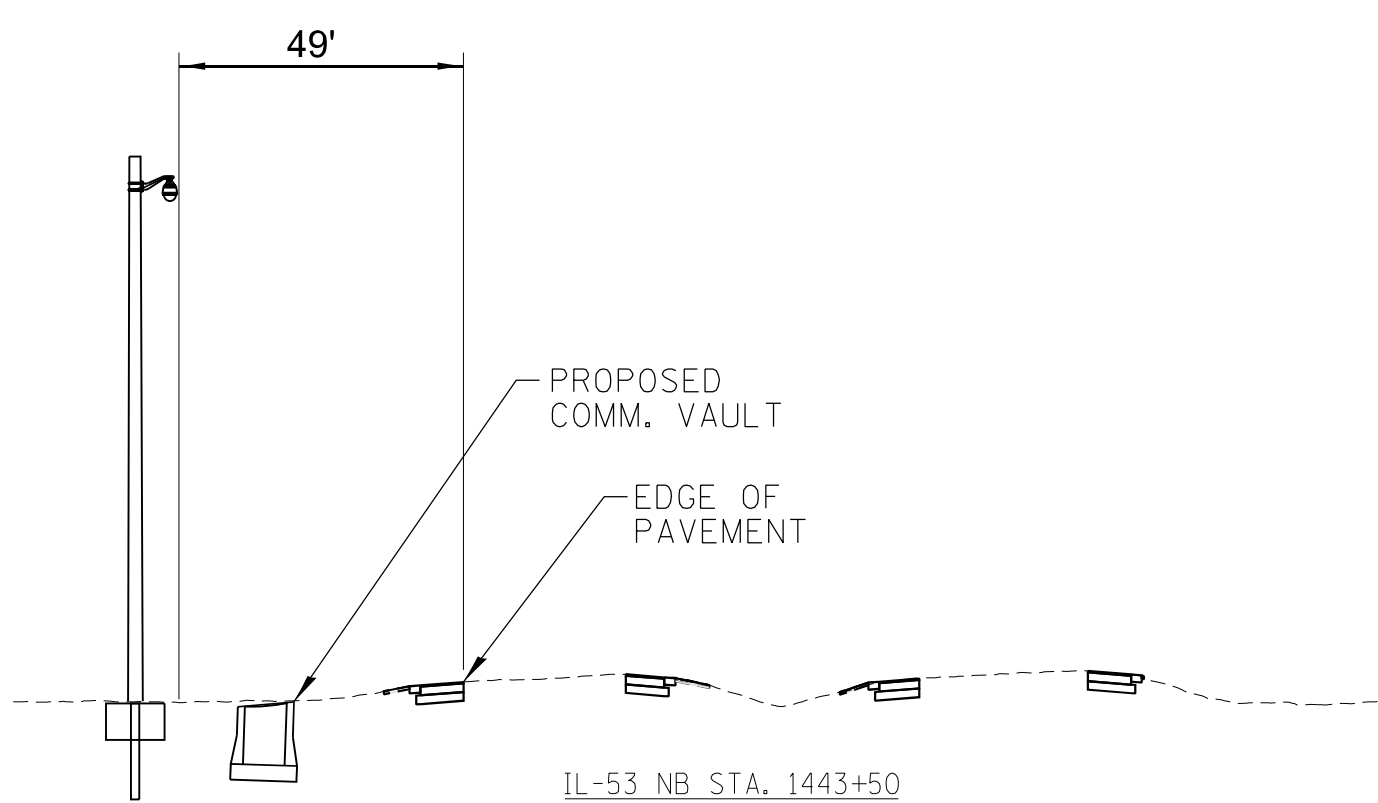
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ITS CROSS SECTIONS

SCALE: N.T.S. SHEET 1 OF 4 SHEETS STA. TO STA.

F.A.P. RTE. 342	SECTION 2018-100-BR	COUNTY COOK	TOTAL SHEETS 1351	SHEET NO. 728
ILLINOIS FED. AID PROJECT			CONTRACT NO. 62N91	

ITS-75



MODEL Path: \\...
 FILE NAME: \\...



USER NAME = vturnez	DESIGNED - SG	REVISED -
DRAWN - MAG/VN	REVISIONS	
PLOT SCALE = 100,0000' / in.	CHECKED - RP	REVISED -
PLOT DATE = 12/12/2024	DATE - 12/13/2024	REVISED -

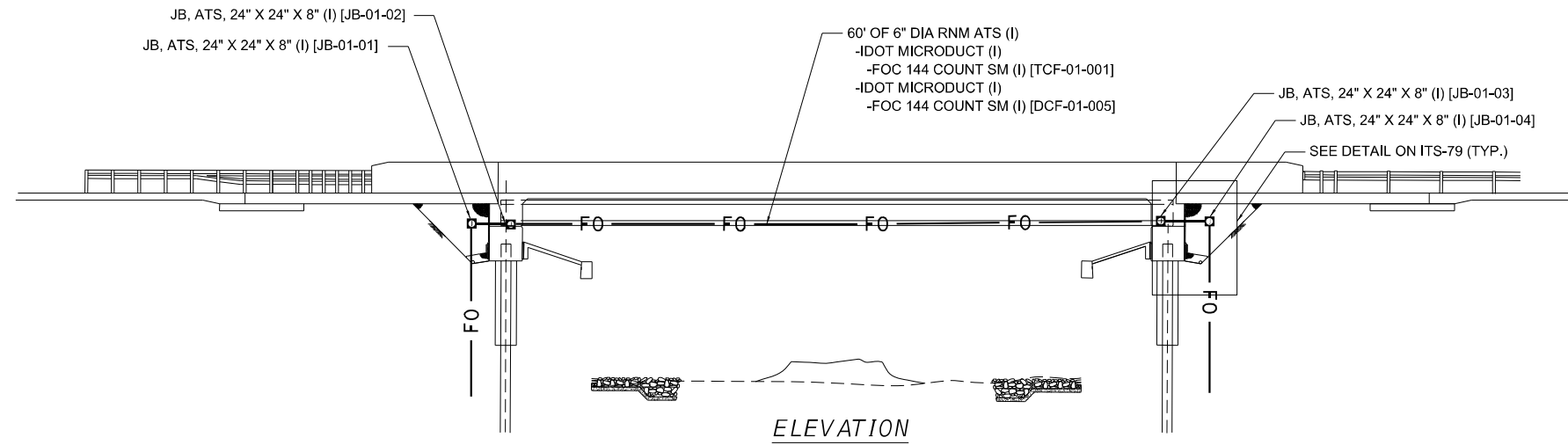
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ITS CROSS SECTIONS

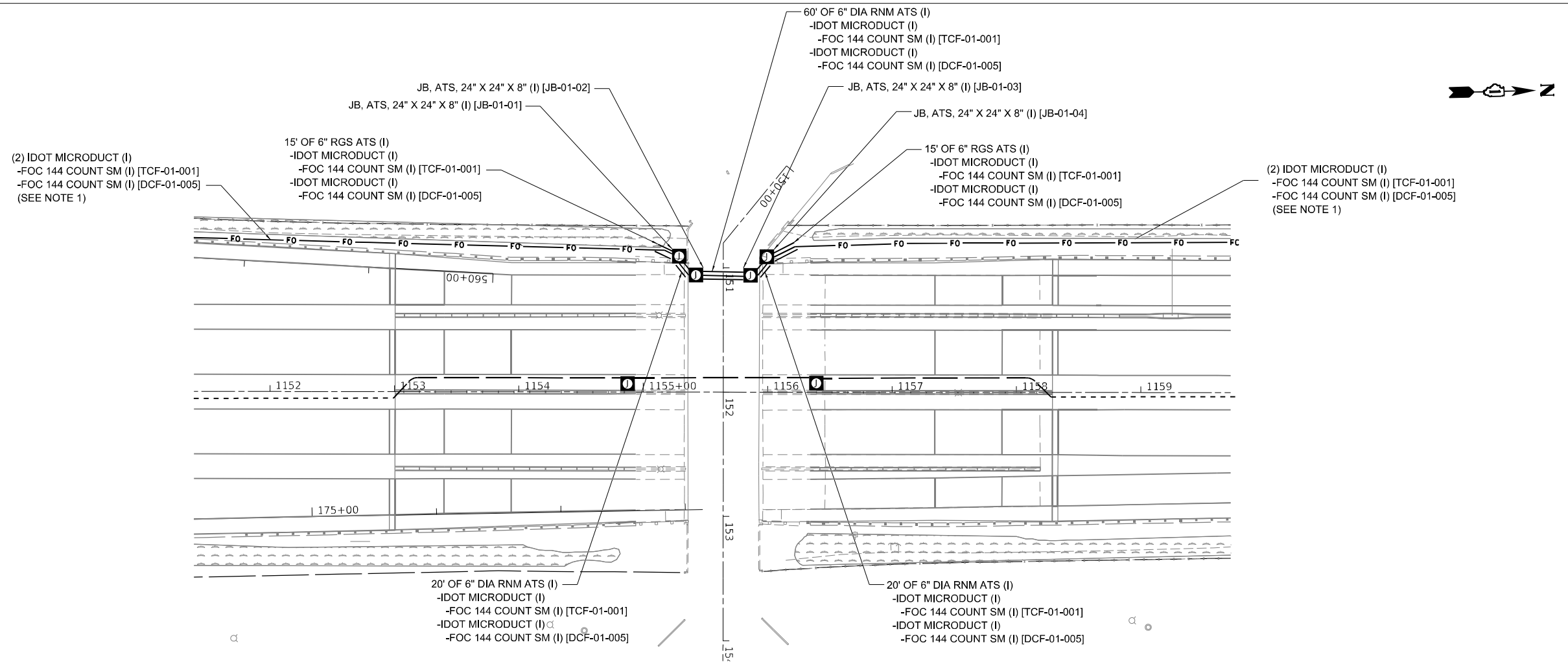
SCALE: N.T.S. SHEET 1 OF 4 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
342	2018-100-BR	COOK	1351	729
CONTRACT NO. 62N91				
ILLINOIS FED. AID PROJECT				

ITS-76



PROFILE VIEW – NOT TO SCALE



PLAN VIEW – NOT TO SCALE

NOTES:

1. QUANTITY SHOWN ON THIS SHEET IS ACCOUNTED FOR ON THE ITS INSTALLATION PLANS.
2. SEE DRAWINGS ITS-32, ITS-78 AND ITS-79 FOR ADDITIONAL DETAILS.

MODEL Path: \\...
 FILE NAME: \\...



USER NAME = vturnez	DESIGNED - SG	REVISED -
	DRAWN - MAG/VN	REVISED -
PLOT SCALE = 100,0008' / in.	CHECKED - RP	REVISED -
PLOT DATE = 12/12/2024	DATE - 12/13/2024	REVISED -

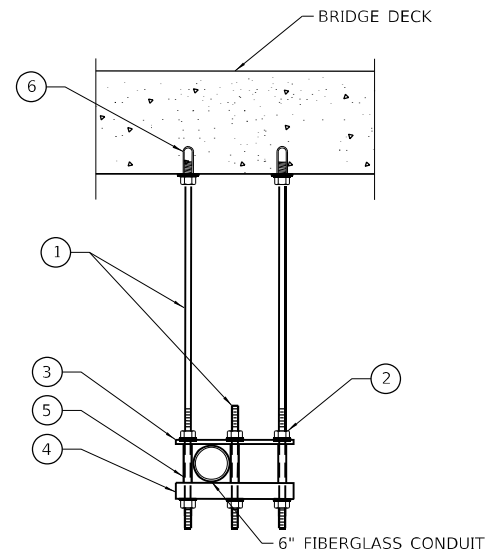
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CONDUIT ATTACHED TO STRUCTURE DETAIL
IL ROUTE 53 OVER SALT CREEK

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
342	2018-100-BR	COOK	1351	730
CONTRACT NO. 62N91				
ILLINOIS FED. AID PROJECT				

ITS-77



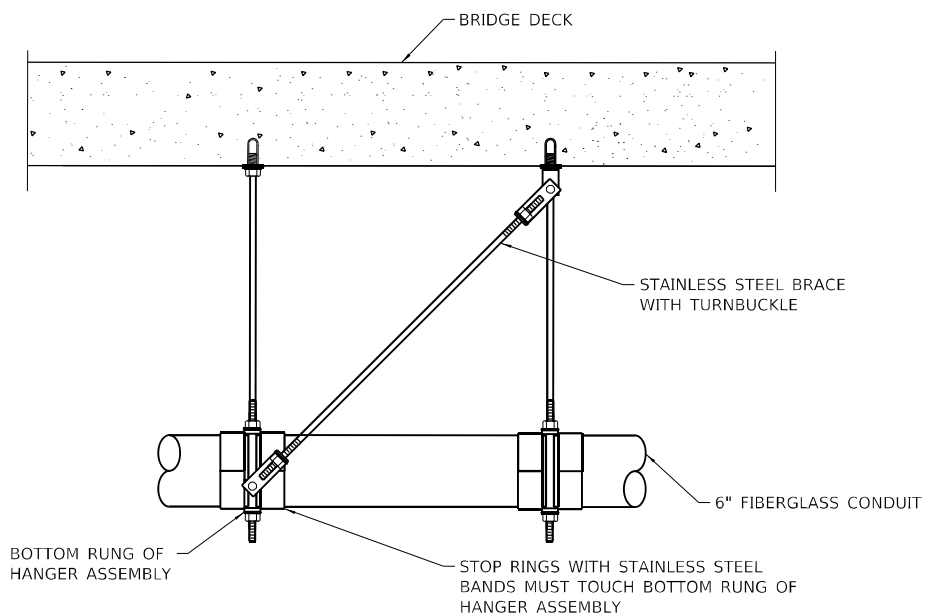
NOTES:

1. CONDUIT SHALL BE SUPPORTED AT A MAXIMUM INTERVAL OF 5' AND WITHIN 2'-6" OF ANY JUNCTION BOX, COUPLING/FITTING OR CHANGE IN DIRECTION.
2. ALL HARDWARE SHALL BE STAINLESS STEEL IN ACCORDANCE WITH ARTICLE 1006.31 OF THE STANDARD SPECIFICATIONS.
3. THE ELECTRICAL CONTRACTOR SHALL COORDINATE THE LOCATION OF THE CONCRETE INSERTS WITH THE BRIDGE CONTRACTOR.
4. THE COST OF THE CONCRETE HANGERS AND INSERTS SHALL BE INCLUDED IN THE COST OF CONDUIT ATTACHED TO STRUCTURE.
5. CONDUIT SHALL NOT COME INTO CONTACT WITH ANY BRACING OR OTHER STRUCTURAL MEMBERS.
6. PROVIDE 1" MINIMUM CLEARANCE TO ALL STRUCTURAL MEMBERS.
7. SPLIT STOP RING AND BRIDGE SHALL BE IN ACCORDANCE WITH FIBERGLASS CONDUIT MANUFACTURER'S REQUIREMENTS.
8. SINGLE-ROD HANGER CONFIGURATION SHALL BE USED IN AREAS WHERE BRIDGE BEAM/GIRDER FLANGES COME IN CONFLICT WITH STANDARD DUAL-ROD CONFIGURATION.
9. ALL RODS, NUTS, WASHERS, FLAT BARS, TUBES, AND OTHER ANCILLARY ITEMS ARE TO BE PAID FOR UNDER CONDUIT ITEM.
10. CONDUIT SHALL BE CENTERED BETWEEN THE BEAMS.
11. FIBERGLASS SQUARE TUBE MUST BE LEVELED OUT AT TIME OF PLACEMENT.
12. THE HANGER ASSEMBLIES FOR THE FIBER GLASS CONDUIT SHALL BE ABOVE THE BOTTOM OF THE GIRDER
13. ALL HANGER ASSEMBLIES MUST MAINTAIN A MINIMUM OF 6" CLEARANCE FROM COUPLINGS TO AVOID RESTRICTING THE EXPANSION AND CONTRACTION OF THE FRE DUCT.
14. INTERMEDIATE HANGER OPENINGS MUST BE LARGE ENOUGH TO PERMIT UNRESTRICTED MOTION OF THE FRE CONDUIT WITHIN THE HANGER.

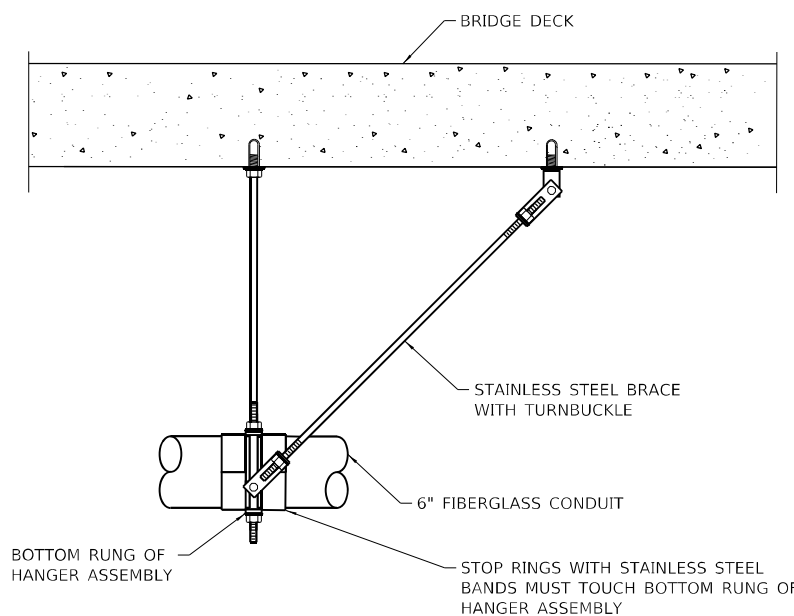
CONDUIT HANGER LEGEND

- ① 3/4" STAINLESS STEEL THREADED ROD
- ② 3/4" STAINLESS STEEL HEX NUT, STAINLESS STEEL FLAT WASHER AND STAINLESS STEEL LOCK WASHER, TYP.
- ③ 1/2" X 2" X 1'-6 3/4" FIBERGLASS FLAT BAR (LEVEL)
- ④ 1/2" X 2" X 1'-6 3/4" FIBERGLASS SQUARE TUBE (LEVEL)
- ⑤ 1" FIBERGLASS ROUND TUBE 6 7/8" LONG
- ⑥ 500 LBS. MINIMUM CAPACITY STAINLESS STEEL CONCRETE INSERTS CAST IN DECK FOR 3/4" THREADED RODS

NOTE: ABOVE SIZES/LENGTHS SHALL BE VERIFIED BY CONTRACTOR TO ENSURE PROPER CONDUIT FIT BEFORE ORDERING MATERIAL.



**TYPICAL SPLIT STOP RING INSTALLATION
(OPTION 2)**



**TYPICAL SPLIT STOP RING INSTALLATION
(OPTION 1)**

MODEL Path: \\s\1\projects\2023\145\04_CADD\CADD_Sheets\Contract_2\New_SolentIS_P\ANSI\0162\N91-C2-Hot-rt-rt-67a.dgn
FILE NAME: \\s\1\projects\2023\145\04_CADD\CADD_Sheets\Contract_2\New_SolentIS_P\ANSI\0162\N91-C2-Hot-rt-rt-67a.dgn



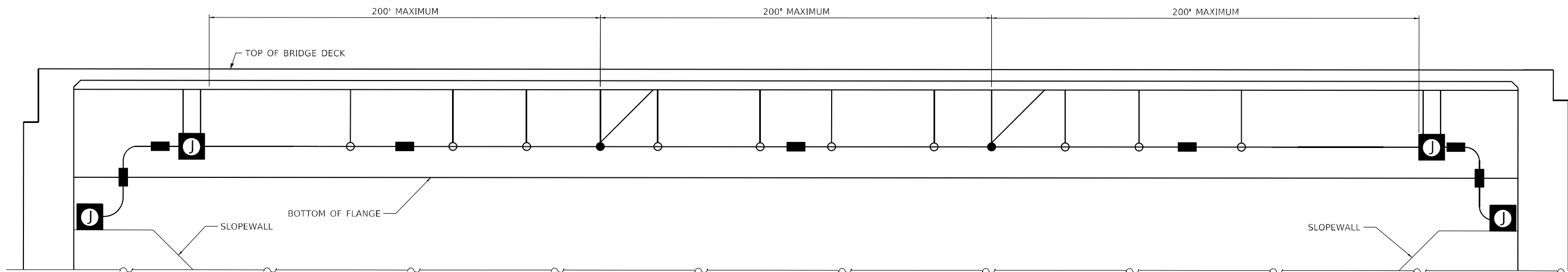
USER NAME = vturnez	DESIGNED - SG	REVISED -
	DRAWN - MAG/VN	REVISED -
PLOT SCALE = 100,0008' / in.	CHECKED - RP	REVISED -
PLOT DATE = 12/12/2024	DATE - 12/13/2024	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

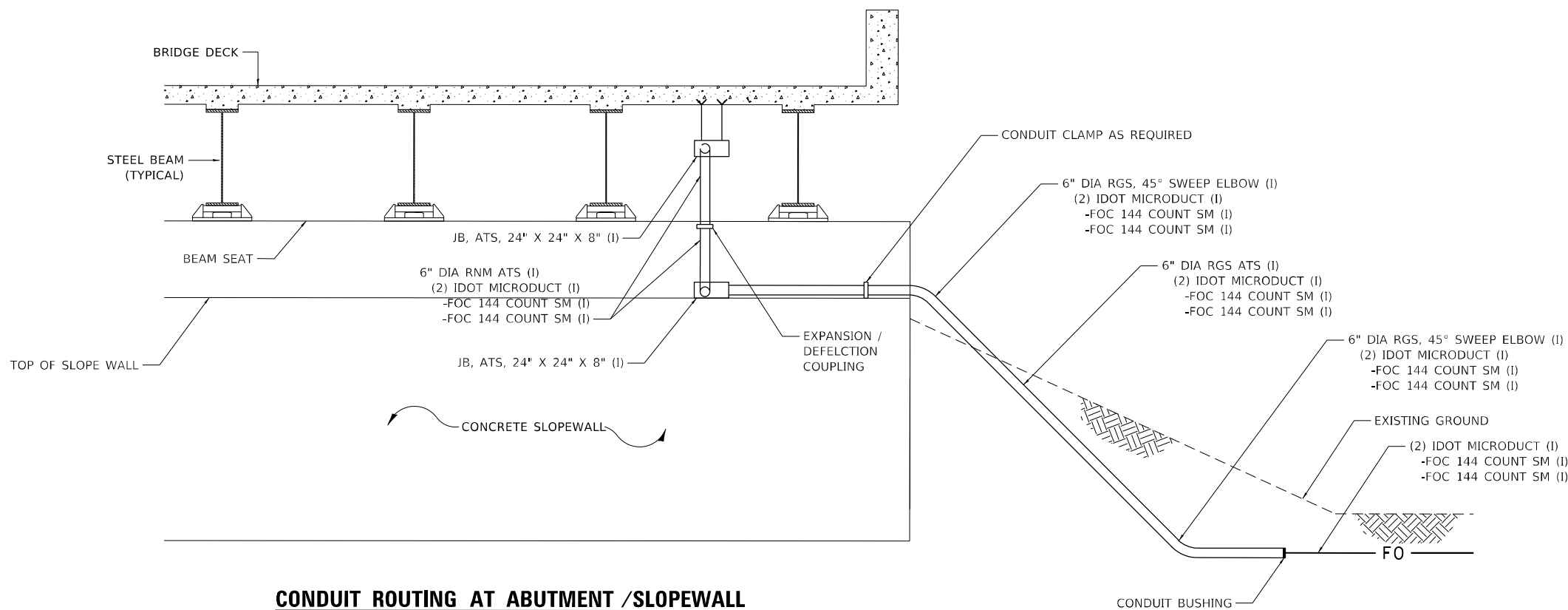
CONDUIT ATTACHED TO STRUCTURE DETAIL

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
342	2018-100-BR	COOK	1351	731
CONTRACT NO. 62N91				
ILLINOIS FED. AID PROJECT				



OVER 200' CONDUIT RUN
IL ROUTE 53 OVER US-14



CONDUIT ROUTING AT ABUTMENT /SLOPEWALL
ELEVATION VIEW

INSTALLATION NOTES:

1. SPLIT STOP RINGS MUST ALWAYS BE LOCATED ON BOTH SIDE OF ANCHORING HANGERS TO SECURELY RETAIN THE FIBERGLASS CONDUIT.
2. INTERMEDIATE HANGER OPENING MUST BE LARGE ENOUGH TO PERMIT FREE UNRESTRICTED MOTION OF THE FIBERGLASS CONDUIT IN THE HANGER.
3. AFTER INSTALLING THE EXPANSION POINTS, AN ALIGNMENT CHECK IS NECESSARY TO ENSURE THE UNIT WILL TRAVEL FREELY AND NOT BIND DUE TO MISALIGNMENT.
4. ALL HANGER ASSEMBLIES MUST MAINTAIN A MINIMUM OF 6" CLEARANCE FROM COUPLINGS TO AVOID RESTRICTING THE EXPANSION AND CONTRACTION OF THE FIBERGLASS CONDUIT.
5. THE HANGER ASSEMBLIES FOR THE FIBERGLASS CONDUIT SHALL BE ABOVE THE BOTTOM OF THE GIRDER.
5. WHEN MIDSPAN BRIDGE DECK EXPANSION JOINTS ARE PRESENT, THE FIBERGLASS CONDUIT EXPANSION JOINT SHALL BE OFFSET BY 2'-6".
6. AN EXPANSION JOINT MUST BE INSTALLED FOR EVERY 200' OF FIBERGLASS CONDUIT RUN.

LEGEND

- ANCHORING HANGER WITH SPLIT STOP RINGS AND BRACE
- INTERMEDIATE HANGER
- FIBERGLASS CONDUIT WITH EXPANSION JOINT

MODEL Path: \\s:\projects\62N91\62N91-CADD\CADD_Sheets\Contract_2\New_Submittals_P\ANSI\62N91-C2-Hot-rt-6-678.dgn
FILE NAME: \\s:\projects\62N91\62N91-CADD\CADD_Sheets\Contract_2\New_Submittals_P\ANSI\62N91-C2-Hot-rt-6-678.dgn



USER NAME = vturnez	DESIGNED - SG	REVISED -
PLOT SCALE = 100,0008' / in.	DRAWN - MAG/VN	REVISED -
PLOT DATE = 12/12/2024	CHECKED - RP	REVISED -
	DATE - 12/13/2024	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CONDUIT ATTACHMENT TO STRUCTURE DETAIL
IL ROUTE 53 OVER COMMUTER DRIVE, UPRR, AND US ROUTE 14

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

F.A.P. RTE. 342	SECTION 2018-100-BR	COUNTY COOK	TOTAL SHEETS 1351	SHEET NO. 732
ILLINOIS FED. AID PROJECT			CONTRACT NO. 62N91	

ITS-79

DISTRIBUTION CABLE FIBER ASSIGNMENTS			ORIGINATION	CMV-01-01		
DISTRIBUTION CABLE DESIGNATION		DCF-01-001	DESTINATION	EXISTING SPLICE CABINET		
BUFFER TUBE	FIBER	FIBER NO.	BUFFER TUBE	FIBER	FIBER NO.	ASSIGNMENT
BLUE	BLUE	1	RED	BLUE	1	73
	ORANGE	2		ORANGE	2	74
	GREEN	3		GREEN	3	75
	BROWN	4		BROWN	4	76
	SLATE	5		SLATE	5	77
	WHITE	6		WHITE	6	78
	RED	7		RED	7	79
	BLACK	8		BLACK	8	80
	YELLOW	9		YELLOW	9	81
	VIOLET	10		VIOLET	10	82
	ROSE	11		ROSE	11	83
	AQUA	12		AQUA	12	84
ORANGE	BLUE	1	BLACK	BLUE	1	85
	ORANGE	2		ORANGE	2	86
	GREEN	3		GREEN	3	87
	BROWN	4		BROWN	4	88
	SLATE	5		SLATE	5	89
	WHITE	6		WHITE	6	90
	RED	7		RED	7	91
	BLACK	8		BLACK	8	92
	YELLOW	9		YELLOW	9	93
	VIOLET	10		VIOLET	10	94
	ROSE	11		ROSE	11	95
	AQUA	12		AQUA	12	96
GREEN	BLUE	1	YELLOW	BLUE	1	97
	ORANGE	2		ORANGE	2	98
	GREEN	3		GREEN	3	99
	BROWN	4		BROWN	4	100
	SLATE	5		SLATE	5	101
	WHITE	6		WHITE	6	102
	RED	7		RED	7	103
	BLACK	8		BLACK	8	104
	YELLOW	9		YELLOW	9	105
	VIOLET	10		VIOLET	10	106
	ROSE	11		ROSE	11	107
	AQUA	12		AQUA	12	108
BROWN	BLUE	1	VIOLET	BLUE	1	109
	ORANGE	2		ORANGE	2	110
	GREEN	3		GREEN	3	111
	BROWN	4		BROWN	4	112
	SLATE	5		SLATE	5	113
	WHITE	6		WHITE	6	114
	RED	7		RED	7	115
	BLACK	8		BLACK	8	116
	YELLOW	9		YELLOW	9	117
	VIOLET	10		VIOLET	10	118
	ROSE	11		ROSE	11	119
	AQUA	12		AQUA	12	120
SLATE	BLUE	1	ROSE	BLUE	1	121
	ORANGE	2		ORANGE	2	122
	GREEN	3		GREEN	3	123
	BROWN	4		BROWN	4	124
	SLATE	5		SLATE	5	125
	WHITE	6		WHITE	6	126
	RED	7		RED	7	127
	BLACK	8		BLACK	8	128
	YELLOW	9		YELLOW	9	129
	VIOLET	10		VIOLET	10	130
	ROSE	11		ROSE	11	131
	AQUA	12		AQUA	12	132
WHITE	BLUE	1	AQUA	BLUE	1	133
	ORANGE	2		ORANGE	2	134
	GREEN	3		GREEN	3	135
	BROWN	4		BROWN	4	136
	SLATE	5		SLATE	5	137
	WHITE	6		WHITE	6	138
	RED	7		RED	7	139
	BLACK	8		BLACK	8	140
	YELLOW	9		YELLOW	9	141
	VIOLET	10		VIOLET	10	142
	ROSE	11		ROSE	11	143
	AQUA	12		AQUA	12	144

DCF-01-001

DISTRIBUTION CABLE FIBER ASSIGNMENTS			ORIGINATION	CMV-01-01		
DISTRIBUTION CABLE DESIGNATION		DCF-01-002	DESTINATION	CMV-01-02		
BUFFER TUBE	FIBER	FIBER NO.	BUFFER TUBE	FIBER	FIBER NO.	ASSIGNMENT
BLUE	BLUE	1	RED	BLUE	1	73
	ORANGE	2		ORANGE	2	74
	GREEN	3		GREEN	3	75
	BROWN	4		BROWN	4	76
	SLATE	5		SLATE	5	77
	WHITE	6		WHITE	6	78
	RED	7		RED	7	79
	BLACK	8		BLACK	8	80
	YELLOW	9		YELLOW	9	81
	VIOLET	10		VIOLET	10	82
	ROSE	11		ROSE	11	83
	AQUA	12		AQUA	12	84
ORANGE	BLUE	1	BLACK	BLUE	1	85
	ORANGE	2		ORANGE	2	86
	GREEN	3		GREEN	3	87
	BROWN	4		BROWN	4	88
	SLATE	5		SLATE	5	89
	WHITE	6		WHITE	6	90
	RED	7		RED	7	91
	BLACK	8		BLACK	8	92
	YELLOW	9		YELLOW	9	93
	VIOLET	10		VIOLET	10	94
	ROSE	11		ROSE	11	95
	AQUA	12		AQUA	12	96
GREEN	BLUE	1	YELLOW	BLUE	1	97
	ORANGE	2		ORANGE	2	98
	GREEN	3		GREEN	3	99
	BROWN	4		BROWN	4	100
	SLATE	5		SLATE	5	101
	WHITE	6		WHITE	6	102
	RED	7		RED	7	103
	BLACK	8		BLACK	8	104
	YELLOW	9		YELLOW	9	105
	VIOLET	10		VIOLET	10	106
	ROSE	11		ROSE	11	107
	AQUA	12		AQUA	12	108
BROWN	BLUE	1	VIOLET	BLUE	1	109
	ORANGE	2		ORANGE	2	110
	GREEN	3		GREEN	3	111
	BROWN	4		BROWN	4	112
	SLATE	5		SLATE	5	113
	WHITE	6		WHITE	6	114
	RED	7		RED	7	115
	BLACK	8		BLACK	8	116
	YELLOW	9		YELLOW	9	117
	VIOLET	10		VIOLET	10	118
	ROSE	11		ROSE	11	119
	AQUA	12		AQUA	12	120
SLATE	BLUE	1	ROSE	BLUE	1	121
	ORANGE	2		ORANGE	2	122
	GREEN	3		GREEN	3	123
	BROWN	4		BROWN	4	124
	SLATE	5		SLATE	5	125
	WHITE	6		WHITE	6	126
	RED	7		RED	7	127
	BLACK	8		BLACK	8	128
	YELLOW	9		YELLOW	9	129
	VIOLET	10		VIOLET	10	130
	ROSE	11		ROSE	11	131
	AQUA	12		AQUA	12	132
WHITE	BLUE	1	AQUA	BLUE	1	133
	ORANGE	2		ORANGE	2	134
	GREEN	3		GREEN	3	135
	BROWN	4		BROWN	4	136
	SLATE	5		SLATE	5	137
	WHITE	6		WHITE	6	138
	RED	7		RED	7	139
	BLACK	8		BLACK	8	140
	YELLOW	9		YELLOW	9	141
	VIOLET	10		VIOLET	10	142
	ROSE	11		ROSE	11	143
	AQUA	12		AQUA	12	144

DCF-01-002

MODEL: D:\p\h\...
 FILE NAME: I:\G\1190\sect027\45\04_CADD\CADD_Sheets\Contract_2\New_SolentIS_P\ANSI\0162\N91-C2-Hot-rtr-48.dwg



USER NAME = vnu@ez	DESIGNED - SG	REVISED -
PLOT SCALE = 100,0000' / in.	DRAWN - MAG/VN	REVISED -
PLOT DATE = 12/12/2024	CHECKED - RP	REVISED -
	DATE - 12/13/2024	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DISTRIBUTION CABLE FIBER ASSIGNMENTS
CMV-01-01

SCALE: N.T.S. SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
342	2018-100-BR	COOK	1351	733
CONTRACT NO. 62N91				
ILLINOIS FED. AID PROJECT				

ITS-80

DISTRIBUTION CABLE FIBER ASSIGNMENTS				ORIGINATION	CMV-01-02		
DISTRIBUTION CABLE DESIGNATION		DCF-01-002		DESTINATION	CMV-01-01		
BUFFER TUBE	FIBER	FIBER NO.	ASSIGNMENT	BUFFER TUBE	FIBER	FIBER NO.	ASSIGNMENT
BLUE	BLUE	1		RED	BLUE	1	73
	ORANGE	2			ORANGE	2	74
	GREEN	3	LCF-01-002, FIBER 1		GREEN	3	75
	BROWN	4	LCF-01-002, FIBER 2		BROWN	4	76
	SLATE	5			SLATE	5	77
	WHITE	6			WHITE	6	78
	RED	7			RED	7	79
	BLACK	8			BLACK	8	80
	YELLOW	9			YELLOW	9	81
	VIOLET	10			VIOLET	10	82
	ROSE	11			ROSE	11	83
	AQUA	12			AQUA	12	84
ORANGE	BLUE	1		BLACK	BLUE	1	85
	ORANGE	2			ORANGE	2	86
	GREEN	3			GREEN	3	87
	BROWN	4			BROWN	4	88
	SLATE	5			SLATE	5	89
	WHITE	6			WHITE	6	90
	RED	7			RED	7	91
	BLACK	8			BLACK	8	92
	YELLOW	9			YELLOW	9	93
	VIOLET	10			VIOLET	10	94
	ROSE	11			ROSE	11	95
	AQUA	12			AQUA	12	96
GREEN	BLUE	1		YELLOW	BLUE	1	97
	ORANGE	2			ORANGE	2	98
	GREEN	3			GREEN	3	99
	BROWN	4			BROWN	4	100
	SLATE	5			SLATE	5	101
	WHITE	6			WHITE	6	102
	RED	7			RED	7	103
	BLACK	8			BLACK	8	104
	YELLOW	9			YELLOW	9	105
	VIOLET	10			VIOLET	10	106
	ROSE	11			ROSE	11	107
	AQUA	12			AQUA	12	108
BROWN	BLUE	1		VIOLET	BLUE	1	109
	ORANGE	2			ORANGE	2	110
	GREEN	3			GREEN	3	111
	BROWN	4			BROWN	4	112
	SLATE	5			SLATE	5	113
	WHITE	6			WHITE	6	114
	RED	7			RED	7	115
	BLACK	8			BLACK	8	116
	YELLOW	9			YELLOW	9	117
	VIOLET	10			VIOLET	10	118
	ROSE	11			ROSE	11	119
	AQUA	12			AQUA	12	120
SLATE	BLUE	1		ROSE	BLUE	1	121
	ORANGE	2			ORANGE	2	122
	GREEN	3			GREEN	3	123
	BROWN	4			BROWN	4	124
	SLATE	5			SLATE	5	125
	WHITE	6			WHITE	6	126
	RED	7			RED	7	127
	BLACK	8			BLACK	8	128
	YELLOW	9			YELLOW	9	129
	VIOLET	10			VIOLET	10	130
	ROSE	11			ROSE	11	131
	AQUA	12			AQUA	12	132
WHITE	BLUE	1		AQUA	BLUE	1	133
	ORANGE	2			ORANGE	2	134
	GREEN	3			GREEN	3	135
	BROWN	4			BROWN	4	136
	SLATE	5			SLATE	5	137
	WHITE	6			WHITE	6	138
	RED	7			RED	7	139
	BLACK	8			BLACK	8	140
	YELLOW	9			YELLOW	9	141
	VIOLET	10			VIOLET	10	142
	ROSE	11			ROSE	11	143
	AQUA	12			AQUA	12	144

DCF-01-002

DISTRIBUTION CABLE FIBER ASSIGNMENTS				ORIGINATION	CMV-01-02		
DISTRIBUTION CABLE DESIGNATION		DCF-01-003		DESTINATION	CMV-01-04		
BUFFER TUBE	FIBER	FIBER NO.	ASSIGNMENT	BUFFER TUBE	FIBER	FIBER NO.	ASSIGNMENT
BLUE	BLUE	1		RED	BLUE	1	73
	ORANGE	2			ORANGE	2	74
	GREEN	3	LCF-01-002, FIBER 4		GREEN	3	75
	BROWN	4	LCF-01-002, FIBER 3		BROWN	4	76
	SLATE	5			SLATE	5	77
	WHITE	6			WHITE	6	78
	RED	7			RED	7	79
	BLACK	8			BLACK	8	80
	YELLOW	9			YELLOW	9	81
	VIOLET	10			VIOLET	10	82
	ROSE	11			ROSE	11	83
	AQUA	12			AQUA	12	84
ORANGE	BLUE	1		BLACK	BLUE	1	85
	ORANGE	2			ORANGE	2	86
	GREEN	3			GREEN	3	87
	BROWN	4			BROWN	4	88
	SLATE	5			SLATE	5	89
	WHITE	6			WHITE	6	90
	RED	7			RED	7	91
	BLACK	8			BLACK	8	92
	YELLOW	9			YELLOW	9	93
	VIOLET	10			VIOLET	10	94
	ROSE	11			ROSE	11	95
	AQUA	12			AQUA	12	96
GREEN	BLUE	1		YELLOW	BLUE	1	97
	ORANGE	2			ORANGE	2	98
	GREEN	3			GREEN	3	99
	BROWN	4			BROWN	4	100
	SLATE	5			SLATE	5	101
	WHITE	6			WHITE	6	102
	RED	7			RED	7	103
	BLACK	8			BLACK	8	104
	YELLOW	9			YELLOW	9	105
	VIOLET	10			VIOLET	10	106
	ROSE	11			ROSE	11	107
	AQUA	12			AQUA	12	108
BROWN	BLUE	1		VIOLET	BLUE	1	109
	ORANGE	2			ORANGE	2	110
	GREEN	3			GREEN	3	111
	BROWN	4			BROWN	4	112
	SLATE	5			SLATE	5	113
	WHITE	6			WHITE	6	114
	RED	7			RED	7	115
	BLACK	8			BLACK	8	116
	YELLOW	9			YELLOW	9	117
	VIOLET	10			VIOLET	10	118
	ROSE	11			ROSE	11	119
	AQUA	12			AQUA	12	120
SLATE	BLUE	1		ROSE	BLUE	1	121
	ORANGE	2			ORANGE	2	122
	GREEN	3			GREEN	3	123
	BROWN	4			BROWN	4	124
	SLATE	5			SLATE	5	125
	WHITE	6			WHITE	6	126
	RED	7			RED	7	127
	BLACK	8			BLACK	8	128
	YELLOW	9			YELLOW	9	129
	VIOLET	10			VIOLET	10	130
	ROSE	11			ROSE	11	131
	AQUA	12			AQUA	12	132
WHITE	BLUE	1		AQUA	BLUE	1	133
	ORANGE	2			ORANGE	2	134
	GREEN	3			GREEN	3	135
	BROWN	4			BROWN	4	136
	SLATE	5			SLATE	5	137
	WHITE	6			WHITE	6	138
	RED	7			RED	7	139
	BLACK	8			BLACK	8	140
	YELLOW	9			YELLOW	9	141
	VIOLET	10			VIOLET	10	142
	ROSE	11			ROSE	11	143
	AQUA	12			AQUA	12	144

DCF-01-003

MODEL: P:\d\h\h...
 FILE NAME: I:\G\119\proj\sect027\45\04_CADD\CADD_Sheets\Contract_2\New_SolentIS_P\ANSI\0162\N91-C2-Hot-rtr-46-49.dwg



USER NAME = vnu@ez
 PLOT SCALE = 100,0000 ' / in.
 PLOT DATE = 12/12/2024

DESIGNED - SG
 DRAWN - MAG/VN
 CHECKED - RP
 DATE - 12/13/2024

REVISED -
 REVISED -
 REVISED -
 REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

DISTRIBUTION CABLE FIBER ASSIGNMENTS
 CMV-01-02

SCALE: N.T.S. SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
342	2018-100-BR	COOK	1351	734
CONTRACT NO. 62N91				
ILLINOIS FED. AID PROJECT				

ITS-81

DISTRIBUTION CABLE FIBER ASSIGNMENTS				ORIGINATION	CMV-01-02		
DISTRIBUTION CABLE DESIGNATION			DCF-02-002	DESTINATION	CMV-01-01		
BUFFER TUBE	FIBER	FIBER NO.	ASSIGNMENT	BUFFER TUBE	FIBER	FIBER NO.	ASSIGNMENT
BLUE	BLUE	1	1	RED	BLUE	1	73 LCF-01-004, FIBER 1
	ORANGE	2	2		ORANGE	2	74 LCF-01-004, FIBER 2
	GREEN	3	3		GREEN	3	75 LCF-01-004, FIBER 3
	BROWN	4	4		BROWN	4	76 LCF-01-004, FIBER 4
	SLATE	5	5		SLATE	5	77
	WHITE	6	6		WHITE	6	78
	RED	7	7		RED	7	79
	BLACK	8	8		BLACK	8	80
	YELLOW	9	9		YELLOW	9	81
	VIOLET	10	10		VIOLET	10	82
	ROSE	11	11		ROSE	11	83
	AQUA	12	12		AQUA	12	84
ORANGE	BLUE	1	13	BLACK	BLUE	1	85
	ORANGE	2	14		ORANGE	2	86
	GREEN	3	15		GREEN	3	87
	BROWN	4	16		BROWN	4	88
	SLATE	5	17		SLATE	5	89
	WHITE	6	18		WHITE	6	90
	RED	7	19		RED	7	91
	BLACK	8	20		BLACK	8	92
	YELLOW	9	21		YELLOW	9	93
	VIOLET	10	22		VIOLET	10	94
	ROSE	11	23		ROSE	11	95
	AQUA	12	24		AQUA	12	96
GREEN	BLUE	1	25	YELLOW	BLUE	1	97
	ORANGE	2	26		ORANGE	2	98
	GREEN	3	27		GREEN	3	99
	BROWN	4	28		BROWN	4	100
	SLATE	5	29		SLATE	5	101
	WHITE	6	30		WHITE	6	102
	RED	7	31		RED	7	103
	BLACK	8	32		BLACK	8	104
	YELLOW	9	33		YELLOW	9	105
	VIOLET	10	34		VIOLET	10	106
	ROSE	11	35		ROSE	11	107
	AQUA	12	36		AQUA	12	108
BROWN	BLUE	1	37	VIOLET	BLUE	1	109
	ORANGE	2	38		ORANGE	2	110
	GREEN	3	39		GREEN	3	111
	BROWN	4	40		BROWN	4	112
	SLATE	5	41		SLATE	5	113
	WHITE	6	42		WHITE	6	114
	RED	7	43		RED	7	115
	BLACK	8	44		BLACK	8	116
	YELLOW	9	45		YELLOW	9	117
	VIOLET	10	46		VIOLET	10	118
	ROSE	11	47		ROSE	11	119
	AQUA	12	48		AQUA	12	120
SLATE	BLUE	1	49	ROSE	BLUE	1	121
	ORANGE	2	50		ORANGE	2	122
	GREEN	3	51		GREEN	3	123
	BROWN	4	52		BROWN	4	124
	SLATE	5	53		SLATE	5	125
	WHITE	6	54		WHITE	6	126
	RED	7	55		RED	7	127
	BLACK	8	56		BLACK	8	128
	YELLOW	9	57		YELLOW	9	129
	VIOLET	10	58		VIOLET	10	130
	ROSE	11	59		ROSE	11	131
	AQUA	12	60		AQUA	12	132
WHITE	BLUE	1	61	AQUA	BLUE	1	133
	ORANGE	2	62		ORANGE	2	134
	GREEN	3	63		GREEN	3	135
	BROWN	4	64		BROWN	4	136
	SLATE	5	65		SLATE	5	137
	WHITE	6	66		WHITE	6	138
	RED	7	67		RED	7	139
	BLACK	8	68		BLACK	8	140
	YELLOW	9	69		YELLOW	9	141
	VIOLET	10	70		VIOLET	10	142
	ROSE	11	71		ROSE	11	143
	AQUA	12	72		AQUA	12	144

DCF-01-002

DISTRIBUTION CABLE FIBER ASSIGNMENTS				ORIGINATION	CMV-01-02		
DISTRIBUTION CABLE DESIGNATION			DCF-01-003	DESTINATION	CMV-01-04		
BUFFER TUBE	FIBER	FIBER NO.	ASSIGNMENT	BUFFER TUBE	FIBER	FIBER NO.	ASSIGNMENT
BLUE	BLUE	1	1	RED	BLUE	1	73 LCF-01-004, FIBER 24
	ORANGE	2	2		ORANGE	2	74 LCF-01-004, FIBER 23
	GREEN	3	3		GREEN	3	75 LCF-01-004, FIBER 22
	BROWN	4	4		BROWN	4	76 LCF-01-004, FIBER 21
	SLATE	5	5		SLATE	5	77
	WHITE	6	6		WHITE	6	78
	RED	7	7		RED	7	79
	BLACK	8	8		BLACK	8	80
	YELLOW	9	9		YELLOW	9	81
	VIOLET	10	10		VIOLET	10	82
	ROSE	11	11		ROSE	11	83
	AQUA	12	12		AQUA	12	84
ORANGE	BLUE	1	13	BLACK	BLUE	1	85
	ORANGE	2	14		ORANGE	2	86
	GREEN	3	15		GREEN	3	87
	BROWN	4	16		BROWN	4	88
	SLATE	5	17		SLATE	5	89
	WHITE	6	18		WHITE	6	90
	RED	7	19		RED	7	91
	BLACK	8	20		BLACK	8	92
	YELLOW	9	21		YELLOW	9	93
	VIOLET	10	22		VIOLET	10	94
	ROSE	11	23		ROSE	11	95
	AQUA	12	24		AQUA	12	96
GREEN	BLUE	1	25	YELLOW	BLUE	1	97
	ORANGE	2	26		ORANGE	2	98
	GREEN	3	27		GREEN	3	99
	BROWN	4	28		BROWN	4	100
	SLATE	5	29		SLATE	5	101
	WHITE	6	30		WHITE	6	102
	RED	7	31		RED	7	103
	BLACK	8	32		BLACK	8	104
	YELLOW	9	33		YELLOW	9	105
	VIOLET	10	34		VIOLET	10	106
	ROSE	11	35		ROSE	11	107
	AQUA	12	36		AQUA	12	108
BROWN	BLUE	1	37	VIOLET	BLUE	1	109
	ORANGE	2	38		ORANGE	2	110
	GREEN	3	39		GREEN	3	111
	BROWN	4	40		BROWN	4	112
	SLATE	5	41		SLATE	5	113
	WHITE	6	42		WHITE	6	114
	RED	7	43		RED	7	115
	BLACK	8	44		BLACK	8	116
	YELLOW	9	45		YELLOW	9	117
	VIOLET	10	46		VIOLET	10	118
	ROSE	11	47		ROSE	11	119
	AQUA	12	48		AQUA	12	120
SLATE	BLUE	1	49	ROSE	BLUE	1	121
	ORANGE	2	50		ORANGE	2	122
	GREEN	3	51		GREEN	3	123
	BROWN	4	52		BROWN	4	124
	SLATE	5	53		SLATE	5	125
	WHITE	6	54		WHITE	6	126
	RED	7	55		RED	7	127
	BLACK	8	56		BLACK	8	128
	YELLOW	9	57		YELLOW	9	129
	VIOLET	10	58		VIOLET	10	130
	ROSE	11	59		ROSE	11	131
	AQUA	12	60		AQUA	12	132
WHITE	BLUE	1	61	AQUA	BLUE	1	133
	ORANGE	2	62		ORANGE	2	134
	GREEN	3	63		GREEN	3	135
	BROWN	4	64		BROWN	4	136
	SLATE	5	65		SLATE	5	137
	WHITE	6	66		WHITE	6	138
	RED	7	67		RED	7	139
	BLACK	8	68		BLACK	8	140
	YELLOW	9	69		YELLOW	9	141
	VIOLET	10	70		VIOLET	10	142
	ROSE	11	71		ROSE	11	143
	AQUA	12	72		AQUA	12	144

DCF-01-003

MODEL Path: \\...
 FILE NAME: \\...



USER NAME = vnuhez
 PLOT SCALE = 100,0000' / in.
 PLOT DATE = 12/12/2024

DESIGNED - SG
 DRAWN - MAGVN
 CHECKED - RP
 DATE - 12/13/2024

REVISED -
 REVISED -
 REVISED -
 REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

DISTRIBUTION CABLE FIBER ASSIGNMENTS
 CMV-01-02

SCALE: N.T.S. SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
342	2018-100-BR	COOK	1351	735
CONTRACT NO. 62N91				
ILLINOIS FED. AID PROJECT				

ITS-82

DISTRIBUTION CABLE FIBER ASSIGNMENTS				ORIGINATION	CMV-01-04			
DISTRIBUTION CABLE DESIGNATION		DCF-01-003		DESTINATION	CMV-01-02			
BUFFER TUBE	FIBER	FIBER NO.	ASSIGNMENT	BUFFER TUBE	FIBER	FIBER NO.	ASSIGNMENT	
BLUE	BLUE	1	1	RED	BLUE	1	73	
	ORANGE	2	2		ORANGE	2	74	
	GREEN	3	3		GREEN	3	75	
	BROWN	4	4		BROWN	4	76	
	SLATE	5	5		LCF-01-003, FIBER 1	SLATE	5	77
	WHITE	6	6		LCF-01-003, FIBER 2	WHITE	6	78
	RED	7	7			RED	7	79
	BLACK	8	8			BLACK	8	80
	YELLOW	9	9			YELLOW	9	81
	VIOLET	10	10			VIOLET	10	82
	ROSE	11	11			ROSE	11	83
	AQUA	12	12			AQUA	12	84
ORANGE	BLUE	1	13	BLACK	BLUE	1	85	
	ORANGE	2	14		ORANGE	2	86	
	GREEN	3	15		GREEN	3	87	
	BROWN	4	16		BROWN	4	88	
	SLATE	5	17		SLATE	5	89	
	WHITE	6	18		WHITE	6	90	
	RED	7	19		RED	7	91	
	BLACK	8	20		BLACK	8	92	
	YELLOW	9	21		YELLOW	9	93	
	VIOLET	10	22		VIOLET	10	94	
	ROSE	11	23		ROSE	11	95	
	AQUA	12	24		AQUA	12	96	
GREEN	BLUE	1	25	YELLOW	BLUE	1	97	
	ORANGE	2	26		ORANGE	2	98	
	GREEN	3	27		GREEN	3	99	
	BROWN	4	28		BROWN	4	100	
	SLATE	5	29		SLATE	5	101	
	WHITE	6	30		WHITE	6	102	
	RED	7	31		RED	7	103	
	BLACK	8	32		BLACK	8	104	
	YELLOW	9	33		YELLOW	9	105	
	VIOLET	10	34		VIOLET	10	106	
	ROSE	11	35		ROSE	11	107	
	AQUA	12	36		AQUA	12	108	
BROWN	BLUE	1	37	VIOLET	BLUE	1	109	
	ORANGE	2	38		ORANGE	2	110	
	GREEN	3	39		GREEN	3	111	
	BROWN	4	40		BROWN	4	112	
	SLATE	5	41		SLATE	5	113	
	WHITE	6	42		WHITE	6	114	
	RED	7	43		RED	7	115	
	BLACK	8	44		BLACK	8	116	
	YELLOW	9	45		YELLOW	9	117	
	VIOLET	10	46		VIOLET	10	118	
	ROSE	11	47		ROSE	11	119	
	AQUA	12	48		AQUA	12	120	
SLATE	BLUE	1	49	ROSE	BLUE	1	121	
	ORANGE	2	50		ORANGE	2	122	
	GREEN	3	51		GREEN	3	123	
	BROWN	4	52		BROWN	4	124	
	SLATE	5	53		SLATE	5	125	
	WHITE	6	54		WHITE	6	126	
	RED	7	55		RED	7	127	
	BLACK	8	56		BLACK	8	128	
	YELLOW	9	57		YELLOW	9	129	
	VIOLET	10	58		VIOLET	10	130	
	ROSE	11	59		ROSE	11	131	
	AQUA	12	60		AQUA	12	132	
WHITE	BLUE	1	61	AQUA	BLUE	1	133	
	ORANGE	2	62		ORANGE	2	134	
	GREEN	3	63		GREEN	3	135	
	BROWN	4	64		BROWN	4	136	
	SLATE	5	65		SLATE	5	137	
	WHITE	6	66		WHITE	6	138	
	RED	7	67		RED	7	139	
	BLACK	8	68		BLACK	8	140	
	YELLOW	9	69		YELLOW	9	141	
	VIOLET	10	70		VIOLET	10	142	
	ROSE	11	71		ROSE	11	143	
	AQUA	12	72		AQUA	12	144	

DCF-01-003

DISTRIBUTION CABLE FIBER ASSIGNMENTS				ORIGINATION	CMV-01-04			
DISTRIBUTION CABLE DESIGNATION		DCF-01-004		DESTINATION	CMV-02-02			
BUFFER TUBE	FIBER	FIBER NO.	ASSIGNMENT	BUFFER TUBE	FIBER	FIBER NO.	ASSIGNMENT	
BLUE	BLUE	1	1	RED	BLUE	1	73	
	ORANGE	2	2		ORANGE	2	74	
	GREEN	3	3		GREEN	3	75	
	BROWN	4	4		BROWN	4	76	
	SLATE	5	5		LCF-01-003, FIBER 4	SLATE	5	77
	WHITE	6	6		LCF-01-003, FIBER 3	WHITE	6	78
	RED	7	7			RED	7	79
	BLACK	8	8			BLACK	8	80
	YELLOW	9	9			YELLOW	9	81
	VIOLET	10	10			VIOLET	10	82
	ROSE	11	11			ROSE	11	83
	AQUA	12	12			AQUA	12	84
ORANGE	BLUE	1	13	BLACK	BLUE	1	85	
	ORANGE	2	14		ORANGE	2	86	
	GREEN	3	15		GREEN	3	87	
	BROWN	4	16		BROWN	4	88	
	SLATE	5	17		SLATE	5	89	
	WHITE	6	18		WHITE	6	90	
	RED	7	19		RED	7	91	
	BLACK	8	20		BLACK	8	92	
	YELLOW	9	21		YELLOW	9	93	
	VIOLET	10	22		VIOLET	10	94	
	ROSE	11	23		ROSE	11	95	
	AQUA	12	24		AQUA	12	96	
GREEN	BLUE	1	25	YELLOW	BLUE	1	97	
	ORANGE	2	26		ORANGE	2	98	
	GREEN	3	27		GREEN	3	99	
	BROWN	4	28		BROWN	4	100	
	SLATE	5	29		SLATE	5	101	
	WHITE	6	30		WHITE	6	102	
	RED	7	31		RED	7	103	
	BLACK	8	32		BLACK	8	104	
	YELLOW	9	33		YELLOW	9	105	
	VIOLET	10	34		VIOLET	10	106	
	ROSE	11	35		ROSE	11	107	
	AQUA	12	36		AQUA	12	108	
BROWN	BLUE	1	37	VIOLET	BLUE	1	109	
	ORANGE	2	38		ORANGE	2	110	
	GREEN	3	39		GREEN	3	111	
	BROWN	4	40		BROWN	4	112	
	SLATE	5	41		SLATE	5	113	
	WHITE	6	42		WHITE	6	114	
	RED	7	43		RED	7	115	
	BLACK	8	44		BLACK	8	116	
	YELLOW	9	45		YELLOW	9	117	
	VIOLET	10	46		VIOLET	10	118	
	ROSE	11	47		ROSE	11	119	
	AQUA	12	48		AQUA	12	120	
SLATE	BLUE	1	49	ROSE	BLUE	1	121	
	ORANGE	2	50		ORANGE	2	122	
	GREEN	3	51		GREEN	3	123	
	BROWN	4	52		BROWN	4	124	
	SLATE	5	53		SLATE	5	125	
	WHITE	6	54		WHITE	6	126	
	RED	7	55		RED	7	127	
	BLACK	8	56		BLACK	8	128	
	YELLOW	9	57		YELLOW	9	129	
	VIOLET	10	58		VIOLET	10	130	
	ROSE	11	59		ROSE	11	131	
	AQUA	12	60		AQUA	12	132	
WHITE	BLUE	1	61	AQUA	BLUE	1	133	
	ORANGE	2	62		ORANGE	2	134	
	GREEN	3	63		GREEN	3	135	
	BROWN	4	64		BROWN	4	136	
	SLATE	5	65		SLATE	5	137	
	WHITE	6	66		WHITE	6	138	
	RED	7	67		RED	7	139	
	BLACK	8	68		BLACK	8	140	
	YELLOW	9	69		YELLOW	9	141	
	VIOLET	10	70		VIOLET	10	142	
	ROSE	11	71		ROSE	11	143	
	AQUA	12	72		AQUA	12	144	

DCF-01-004

MODEL: D:\p\h...
 FILE NAME: I:\G\1190\sect027.145\04_CADD\CADD_Sheets\Contract_2\New_SolentIS_P\ANSI\0162\N91-C2-Hot-rtb-R2-1.dwg



USER NAME = vnuhez	DESIGNED - SG	REVISED -
PLOT SCALE = 100,0000 ' / in.	DRAWN - MAGVN	REVISED -
PLOT DATE = 12/12/2024	CHECKED - RP	REVISED -
	DATE - 12/13/2024	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DISTRIBUTION CABLE FIBER ASSIGNMENTS
CMV-01-04

SCALE: N.T.S. SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
342	2018-100-BR	COOK	1351	736
CONTRACT NO. 62N91				
ILLINOIS FED. AID PROJECT				

ITS-83

DISTRIBUTION CABLE FIBER ASSIGNMENTS				ORIGINATION	CMV-04-01		
DISTRIBUTION CABLE DESIGNATION			DCF-02-002	DESTINATION	CMV-03-20		
BUFFER TUBE	FIBER	FIBER NO.	ASSIGNMENT	BUFFER TUBE	FIBER	FIBER NO.	ASSIGNMENT
BLUE	BLUE	1	1	RED	BLUE	1	73
	ORANGE	2	2		ORANGE	2	74
	GREEN	3	3		GREEN	3	75
	BROWN	4	4		BROWN	4	76
	SLATE	5	5		SLATE	5	77
	WHITE	6	6		WHITE	6	78
	RED	7	7		RED	7	79
	BLACK	8	8		BLACK	8	80
	YELLOW	9	9		YELLOW	9	81
	VIOLET	10	10		VIOLET	10	82
	ROSE	11	11		ROSE	11	83
	AQUA	12	12		AQUA	12	84
ORANGE	BLUE	1	13	BLACK	BLUE	1	85
	ORANGE	2	14		ORANGE	2	86
	GREEN	3	15		GREEN	3	87
	BROWN	4	16		BROWN	4	88
	SLATE	5	17		SLATE	5	89
	WHITE	6	18		WHITE	6	90
	RED	7	19		RED	7	91
	BLACK	8	20		BLACK	8	92
	YELLOW	9	21		YELLOW	9	93
	VIOLET	10	22		VIOLET	10	94
	ROSE	11	23		ROSE	11	95
	AQUA	12	24		AQUA	12	96
GREEN	BLUE	1	25	YELLOW	BLUE	1	97
	ORANGE	2	26		ORANGE	2	98
	GREEN	3	27		GREEN	3	99
	BROWN	4	28		BROWN	4	100
	SLATE	5	29		SLATE	5	101
	WHITE	6	30		WHITE	6	102
	RED	7	31		RED	7	103
	BLACK	8	32		BLACK	8	104
	YELLOW	9	33		YELLOW	9	105
	VIOLET	10	34		VIOLET	10	106
	ROSE	11	35		ROSE	11	107
	AQUA	12	36		AQUA	12	108
BROWN	BLUE	1	37	VIOLET	BLUE	1	109
	ORANGE	2	38		ORANGE	2	110
	GREEN	3	39		GREEN	3	111
	BROWN	4	40		BROWN	4	112
	SLATE	5	41		SLATE	5	113
	WHITE	6	42		WHITE	6	114
	RED	7	43		RED	7	115
	BLACK	8	44		BLACK	8	116
	YELLOW	9	45		YELLOW	9	117
	VIOLET	10	46		VIOLET	10	118
	ROSE	11	47		ROSE	11	119
	AQUA	12	48		AQUA	12	120
SLATE	BLUE	1	49	ROSE	BLUE	1	121
	ORANGE	2	50		ORANGE	2	122
	GREEN	3	51		GREEN	3	123
	BROWN	4	52		BROWN	4	124
	SLATE	5	53		SLATE	5	125
	WHITE	6	54		WHITE	6	126
	RED	7	55		RED	7	127
	BLACK	8	56		BLACK	8	128
	YELLOW	9	57		YELLOW	9	129
	VIOLET	10	58		VIOLET	10	130
	ROSE	11	59		ROSE	11	131
	AQUA	12	60		AQUA	12	132
WHITE	BLUE	1	61	AQUA	BLUE	1	133
	ORANGE	2	62		ORANGE	2	134
	GREEN	3	63		GREEN	3	135
	BROWN	4	64		BROWN	4	136
	SLATE	5	65		SLATE	5	137
	WHITE	6	66		WHITE	6	138
	RED	7	67		RED	7	139
	BLACK	8	68		BLACK	8	140
	YELLOW	9	69		YELLOW	9	141
	VIOLET	10	70		VIOLET	10	142
	ROSE	11	71		ROSE	11	143
	AQUA	12	72		AQUA	12	144

DCF-04-001

DISTRIBUTION CABLE FIBER ASSIGNMENTS				ORIGINATION	CMV-04-01		
DISTRIBUTION CABLE DESIGNATION			DCF-02-002	DESTINATION	CMV-04-02		
BUFFER TUBE	FIBER	FIBER NO.	ASSIGNMENT	BUFFER TUBE	FIBER	FIBER NO.	ASSIGNMENT
BLUE	BLUE	1	1	RED	BLUE	1	73
	ORANGE	2	2		ORANGE	2	74
	GREEN	3	3		GREEN	3	75
	BROWN	4	4		BROWN	4	76
	SLATE	5	5		SLATE	5	77
	WHITE	6	6		WHITE	6	78
	RED	7	7		RED	7	79
	BLACK	8	8		BLACK	8	80
	YELLOW	9	9		YELLOW	9	81
	VIOLET	10	10		VIOLET	10	82
	ROSE	11	11		ROSE	11	83
	AQUA	12	12		AQUA	12	84
ORANGE	BLUE	1	13	BLACK	BLUE	1	85
	ORANGE	2	14		ORANGE	2	86
	GREEN	3	15		GREEN	3	87
	BROWN	4	16		BROWN	4	88
	SLATE	5	17		SLATE	5	89
	WHITE	6	18		WHITE	6	90
	RED	7	19		RED	7	91
	BLACK	8	20		BLACK	8	92
	YELLOW	9	21		YELLOW	9	93
	VIOLET	10	22		VIOLET	10	94
	ROSE	11	23		ROSE	11	95
	AQUA	12	24		AQUA	12	96
GREEN	BLUE	1	25	YELLOW	BLUE	1	97
	ORANGE	2	26		ORANGE	2	98
	GREEN	3	27		GREEN	3	99
	BROWN	4	28		BROWN	4	100
	SLATE	5	29		SLATE	5	101
	WHITE	6	30		WHITE	6	102
	RED	7	31		RED	7	103
	BLACK	8	32		BLACK	8	104
	YELLOW	9	33		YELLOW	9	105
	VIOLET	10	34		VIOLET	10	106
	ROSE	11	35		ROSE	11	107
	AQUA	12	36		AQUA	12	108
BROWN	BLUE	1	37	VIOLET	BLUE	1	109
	ORANGE	2	38		ORANGE	2	110
	GREEN	3	39		GREEN	3	111
	BROWN	4	40		BROWN	4	112
	SLATE	5	41		SLATE	5	113
	WHITE	6	42		WHITE	6	114
	RED	7	43		RED	7	115
	BLACK	8	44		BLACK	8	116
	YELLOW	9	45		YELLOW	9	117
	VIOLET	10	46		VIOLET	10	118
	ROSE	11	47		ROSE	11	119
	AQUA	12	48		AQUA	12	120
SLATE	BLUE	1	49	ROSE	BLUE	1	121
	ORANGE	2	50		ORANGE	2	122
	GREEN	3	51		GREEN	3	123
	BROWN	4	52		BROWN	4	124
	SLATE	5	53		SLATE	5	125
	WHITE	6	54		WHITE	6	126
	RED	7	55		RED	7	127
	BLACK	8	56		BLACK	8	128
	YELLOW	9	57		YELLOW	9	129
	VIOLET	10	58		VIOLET	10	130
	ROSE	11	59		ROSE	11	131
	AQUA	12	60		AQUA	12	132
WHITE	BLUE	1	61	AQUA	BLUE	1	133
	ORANGE	2	62		ORANGE	2	134
	GREEN	3	63		GREEN	3	135
	BROWN	4	64		BROWN	4	136
	SLATE	5	65		SLATE	5	137
	WHITE	6	66		WHITE	6	138
	RED	7	67		RED	7	139
	BLACK	8	68		BLACK	8	140
	YELLOW	9	69		YELLOW	9	141
	VIOLET	10	70		VIOLET	10	142
	ROSE	11	71		ROSE	11	143
	AQUA	12	72		AQUA	12	144

DCF-04-002

MODEL Path: \\s:\projects\2023\145\04_CADD\CADD_Sheets\Contract_2\New_SolentIS_P\ANSI\0162191-C2-Hot-rtb-R2-1A.dwg
 FILE NAME: \\s:\projects\2023\145\04_CADD\CADD_Sheets\Contract_2\New_SolentIS_P\ANSI\0162191-C2-Hot-rtb-R2-1A.dwg



USER NAME = vnu01ez
 PLOT SCALE = 100,0000 ' / in.
 PLOT DATE = 12/12/2024

DESIGNED - SG
 DRAWN - MAG/VN
 CHECKED - RP
 DATE - 12/13/2024

REVISED -
 REVISED -
 REVISED -
 REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

DISTRIBUTION CABLE FIBER ASSIGNMENTS
 CMV-04-01

SCALE: N.T.S. SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
342	2018-100-BR	COOK	1351	737
CONTRACT NO. 62N91				
ILLINOIS FED. AID PROJECT				

ITS-84

DISTRIBUTION CABLE FIBER ASSIGNMENTS				ORIGINATION	CMV-04-02		
DISTRIBUTION CABLE DESIGNATION			DCF-04-002	DESTINATION	CMV-04-01		
BUFFER TUBE	FIBER	FIBER NO.	ASSIGNMENT	BUFFER TUBE	FIBER	FIBER NO.	ASSIGNMENT
BLUE	BLUE	1	1	RED	BLUE	1	73
	ORANGE	2	2		ORANGE	2	74
	GREEN	3	3		GREEN	3	75
	BROWN	4	4		BROWN	4	76
	SLATE	5	5		SLATE	5	77
	WHITE	6	6		WHITE	6	78
	RED	7	7		RED	7	79
	BLACK	8	8		BLACK	8	80
	YELLOW	9	9		YELLOW	9	81
	VIOLET	10	10		VIOLET	10	82
	ROSE	11	11		ROSE	11	83
	AQUA	12	12		AQUA	12	84
ORANGE	BLUE	1	13	BLACK	BLUE	1	85
	ORANGE	2	14		ORANGE	2	86
	GREEN	3	15		GREEN	3	87
	BROWN	4	16		BROWN	4	88
	SLATE	5	17		SLATE	5	89
	WHITE	6	18		WHITE	6	90
	RED	7	19		RED	7	91
	BLACK	8	20		BLACK	8	92
	YELLOW	9	21		YELLOW	9	93
	VIOLET	10	22		VIOLET	10	94
	ROSE	11	23		ROSE	11	95
	AQUA	12	24		AQUA	12	96
GREEN	BLUE	1	25	YELLOW	BLUE	1	97
	ORANGE	2	26		ORANGE	2	98
	GREEN	3	27		GREEN	3	99
	BROWN	4	28		BROWN	4	100
	SLATE	5	29		SLATE	5	101
	WHITE	6	30		WHITE	6	102
	RED	7	31		RED	7	103
	BLACK	8	32		BLACK	8	104
	YELLOW	9	33		YELLOW	9	105
	VIOLET	10	34		VIOLET	10	106
	ROSE	11	35		ROSE	11	107
	AQUA	12	36		AQUA	12	108
BROWN	BLUE	1	37	VIOLET	BLUE	1	109
	ORANGE	2	38		ORANGE	2	110
	GREEN	3	39		GREEN	3	111
	BROWN	4	40		BROWN	4	112
	SLATE	5	41		SLATE	5	113
	WHITE	6	42		WHITE	6	114
	RED	7	43		RED	7	115
	BLACK	8	44		BLACK	8	116
	YELLOW	9	45		YELLOW	9	117
	VIOLET	10	46		VIOLET	10	118
	ROSE	11	47		ROSE	11	119
	AQUA	12	48		AQUA	12	120
SLATE	BLUE	1	49	ROSE	BLUE	1	121
	ORANGE	2	50		ORANGE	2	122
	GREEN	3	51		GREEN	3	123
	BROWN	4	52		BROWN	4	124
	SLATE	5	53		SLATE	5	125
	WHITE	6	54		WHITE	6	126
	RED	7	55		RED	7	127
	BLACK	8	56		BLACK	8	128
	YELLOW	9	57		YELLOW	9	129
	VIOLET	10	58		VIOLET	10	130
	ROSE	11	59		ROSE	11	131
	AQUA	12	60		AQUA	12	132
WHITE	BLUE	1	61	AQUA	BLUE	1	133
	ORANGE	2	62		ORANGE	2	134
	GREEN	3	63		GREEN	3	135
	BROWN	4	64		BROWN	4	136
	SLATE	5	65		SLATE	5	137
	WHITE	6	66		WHITE	6	138
	RED	7	67		RED	7	139
	BLACK	8	68		BLACK	8	140
	YELLOW	9	69		YELLOW	9	141
	VIOLET	10	70		VIOLET	10	142
	ROSE	11	71		ROSE	11	143
	AQUA	12	72		AQUA	12	144

DCF-04-002

DISTRIBUTION CABLE FIBER ASSIGNMENTS				ORIGINATION	CMV-04-02		
DISTRIBUTION CABLE DESIGNATION			DCF-04-003	DESTINATION	CMV-04-05		
BUFFER TUBE	FIBER	FIBER NO.	ASSIGNMENT	BUFFER TUBE	FIBER	FIBER NO.	ASSIGNMENT
BLUE	BLUE	1	1	RED	BLUE	1	73
	ORANGE	2	2		ORANGE	2	74
	GREEN	3	3		GREEN	3	75
	BROWN	4	4		BROWN	4	76
	SLATE	5	5		SLATE	5	77
	WHITE	6	6		WHITE	6	78
	RED	7	7		RED	7	79
	BLACK	8	8		BLACK	8	80
	YELLOW	9	9		YELLOW	9	81
	VIOLET	10	10		VIOLET	10	82
	ROSE	11	11		ROSE	11	83
	AQUA	12	12		AQUA	12	84
ORANGE	BLUE	1	13	BLACK	BLUE	1	85
	ORANGE	2	14		ORANGE	2	86
	GREEN	3	15		GREEN	3	87
	BROWN	4	16		BROWN	4	88
	SLATE	5	17		SLATE	5	89
	WHITE	6	18		WHITE	6	90
	RED	7	19		RED	7	91
	BLACK	8	20		BLACK	8	92
	YELLOW	9	21		YELLOW	9	93
	VIOLET	10	22		VIOLET	10	94
	ROSE	11	23		ROSE	11	95
	AQUA	12	24		AQUA	12	96
GREEN	BLUE	1	25	YELLOW	BLUE	1	97
	ORANGE	2	26		ORANGE	2	98
	GREEN	3	27		GREEN	3	99
	BROWN	4	28		BROWN	4	100
	SLATE	5	29		SLATE	5	101
	WHITE	6	30		WHITE	6	102
	RED	7	31		RED	7	103
	BLACK	8	32		BLACK	8	104
	YELLOW	9	33		YELLOW	9	105
	VIOLET	10	34		VIOLET	10	106
	ROSE	11	35		ROSE	11	107
	AQUA	12	36		AQUA	12	108
BROWN	BLUE	1	37	VIOLET	BLUE	1	109
	ORANGE	2	38		ORANGE	2	110
	GREEN	3	39		GREEN	3	111
	BROWN	4	40		BROWN	4	112
	SLATE	5	41		SLATE	5	113
	WHITE	6	42		WHITE	6	114
	RED	7	43		RED	7	115
	BLACK	8	44		BLACK	8	116
	YELLOW	9	45		YELLOW	9	117
	VIOLET	10	46		VIOLET	10	118
	ROSE	11	47		ROSE	11	119
	AQUA	12	48		AQUA	12	120
SLATE	BLUE	1	49	ROSE	BLUE	1	121
	ORANGE	2	50		ORANGE	2	122
	GREEN	3	51		GREEN	3	123
	BROWN	4	52		BROWN	4	124
	SLATE	5	53		SLATE	5	125
	WHITE	6	54		WHITE	6	126
	RED	7	55		RED	7	127
	BLACK	8	56		BLACK	8	128
	YELLOW	9	57		YELLOW	9	129
	VIOLET	10	58		VIOLET	10	130
	ROSE	11	59		ROSE	11	131
	AQUA	12	60		AQUA	12	132
WHITE	BLUE	1	61	AQUA	BLUE	1	133
	ORANGE	2	62		ORANGE	2	134
	GREEN	3	63		GREEN	3	135
	BROWN	4	64		BROWN	4	136
	SLATE	5	65		SLATE	5	137
	WHITE	6	66		WHITE	6	138
	RED	7	67		RED	7	139
	BLACK	8	68		BLACK	8	140
	YELLOW	9	69		YELLOW	9	141
	VIOLET	10	70		VIOLET	10	142
	ROSE	11	71		ROSE	11	143
	AQUA	12	72		AQUA	12	144

DCF-04-003

MODEL: D:\p\h... FILE NAME: I:\G\119\proj\sect27.145\04_CADD\CADD_Sheets\Contract_2\New_SolentIS_P\ANSI\0162\N91-C2-Hot-rtr-27-18.dwg



USER NAME = vnuirez	DESIGNED - SG	REVISED -
PLOT SCALE = 100,0000' / in.	DRAWN - MAGVN	REVISED -
PLOT DATE = 12/12/2024	CHECKED - RP	REVISED -
	DATE - 12/13/2024	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DISTRIBUTION CABLE FIBER ASSIGNMENTS
CMV-04-02

SCALE: N.T.S. SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
342	2018-100-BR	COOK	1351	738
CONTRACT NO. 62N91				
ILLINOIS FED. AID PROJECT				

ITS-85

DISTRIBUTION CABLE FIBER ASSIGNMENTS				ORIGINATION	CMV-04-05		
DISTRIBUTION CABLE DESIGNATION		DCF-04-003		DESTINATION	CMV-04-02		
BUFFER TUBE	FIBER	FIBER NO.	ASSIGNMENT	BUFFER TUBE	FIBER	FIBER NO.	ASSIGNMENT
BLUE	BLUE	1		RED	BLUE	1	73
	ORANGE	2			ORANGE	2	74
	GREEN	3			GREEN	3	75
	BROWN	4			BROWN	4	76
	SLATE	5			SLATE	5	77
	WHITE	6			WHITE	6	78
	RED	7			RED	7	79
	BLACK	8			BLACK	8	80
	YELLOW	9			YELLOW	9	81
	VIOLET	10			VIOLET	10	82
	ROSE	11			ROSE	11	83
	AQUA	12			AQUA	12	84
ORANGE	BLUE	1		BLACK	BLUE	1	85
	ORANGE	2			ORANGE	2	86
	GREEN	3	LCF-04-002, FIBER 1		GREEN	3	87
	BROWN	4	LCF-04-002, FIBER 2		BROWN	4	88
	SLATE	5			SLATE	5	89
	WHITE	6			WHITE	6	90
	RED	7			RED	7	91
	BLACK	8			BLACK	8	92
	YELLOW	9			YELLOW	9	93
	VIOLET	10			VIOLET	10	94
	ROSE	11			ROSE	11	95
	AQUA	12			AQUA	12	96
GREEN	BLUE	1		YELLOW	BLUE	1	97
	ORANGE	2			ORANGE	2	98
	GREEN	3			GREEN	3	99
	BROWN	4			BROWN	4	100
	SLATE	5			SLATE	5	101
	WHITE	6			WHITE	6	102
	RED	7			RED	7	103
	BLACK	8			BLACK	8	104
	YELLOW	9			YELLOW	9	105
	VIOLET	10			VIOLET	10	106
	ROSE	11			ROSE	11	107
	AQUA	12			AQUA	12	108
BROWN	BLUE	1		VIOLET	BLUE	1	109
	ORANGE	2			ORANGE	2	110
	GREEN	3			GREEN	3	111
	BROWN	4			BROWN	4	112
	SLATE	5			SLATE	5	113
	WHITE	6			WHITE	6	114
	RED	7			RED	7	115
	BLACK	8			BLACK	8	116
	YELLOW	9			YELLOW	9	117
	VIOLET	10			VIOLET	10	118
	ROSE	11			ROSE	11	119
	AQUA	12			AQUA	12	120
SLATE	BLUE	1		ROSE	BLUE	1	121
	ORANGE	2			ORANGE	2	122
	GREEN	3			GREEN	3	123
	BROWN	4			BROWN	4	124
	SLATE	5			SLATE	5	125
	WHITE	6			WHITE	6	126
	RED	7			RED	7	127
	BLACK	8			BLACK	8	128
	YELLOW	9			YELLOW	9	129
	VIOLET	10			VIOLET	10	130
	ROSE	11			ROSE	11	131
	AQUA	12			AQUA	12	132
WHITE	BLUE	1		AQUA	BLUE	1	133
	ORANGE	2			ORANGE	2	134
	GREEN	3			GREEN	3	135
	BROWN	4			BROWN	4	136
	SLATE	5			SLATE	5	137
	WHITE	6			WHITE	6	138
	RED	7			RED	7	139
	BLACK	8			BLACK	8	140
	YELLOW	9			YELLOW	9	141
	VIOLET	10			VIOLET	10	142
	ROSE	11			ROSE	11	143
	AQUA	12			AQUA	12	144

DCF-04-003

DISTRIBUTION CABLE FIBER ASSIGNMENTS				ORIGINATION	CMV-04-05		
DISTRIBUTION CABLE DESIGNATION		DCF-04-004		DESTINATION	CMV-04-06		
BUFFER TUBE	FIBER	FIBER NO.	ASSIGNMENT	BUFFER TUBE	FIBER	FIBER NO.	ASSIGNMENT
BLUE	BLUE	1		RED	BLUE	1	73
	ORANGE	2			ORANGE	2	74
	GREEN	3			GREEN	3	75
	BROWN	4			BROWN	4	76
	SLATE	5			SLATE	5	77
	WHITE	6			WHITE	6	78
	RED	7			RED	7	79
	BLACK	8			BLACK	8	80
	YELLOW	9			YELLOW	9	81
	VIOLET	10			VIOLET	10	82
	ROSE	11			ROSE	11	83
	AQUA	12			AQUA	12	84
ORANGE	BLUE	1		BLACK	BLUE	1	85
	ORANGE	2			ORANGE	2	86
	GREEN	3	LCF-04-002, FIBER 4		GREEN	3	87
	BROWN	4	LCF-04-002, FIBER 3		BROWN	4	88
	SLATE	5			SLATE	5	89
	WHITE	6			WHITE	6	90
	RED	7			RED	7	91
	BLACK	8			BLACK	8	92
	YELLOW	9			YELLOW	9	93
	VIOLET	10			VIOLET	10	94
	ROSE	11			ROSE	11	95
	AQUA	12			AQUA	12	96
GREEN	BLUE	1		YELLOW	BLUE	1	97
	ORANGE	2			ORANGE	2	98
	GREEN	3			GREEN	3	99
	BROWN	4			BROWN	4	100
	SLATE	5			SLATE	5	101
	WHITE	6			WHITE	6	102
	RED	7			RED	7	103
	BLACK	8			BLACK	8	104
	YELLOW	9			YELLOW	9	105
	VIOLET	10			VIOLET	10	106
	ROSE	11			ROSE	11	107
	AQUA	12			AQUA	12	108
BROWN	BLUE	1		VIOLET	BLUE	1	109
	ORANGE	2			ORANGE	2	110
	GREEN	3			GREEN	3	111
	BROWN	4			BROWN	4	112
	SLATE	5			SLATE	5	113
	WHITE	6			WHITE	6	114
	RED	7			RED	7	115
	BLACK	8			BLACK	8	116
	YELLOW	9			YELLOW	9	117
	VIOLET	10			VIOLET	10	118
	ROSE	11			ROSE	11	119
	AQUA	12			AQUA	12	120
SLATE	BLUE	1		ROSE	BLUE	1	121
	ORANGE	2			ORANGE	2	122
	GREEN	3			GREEN	3	123
	BROWN	4			BROWN	4	124
	SLATE	5			SLATE	5	125
	WHITE	6			WHITE	6	126
	RED	7			RED	7	127
	BLACK	8			BLACK	8	128
	YELLOW	9			YELLOW	9	129
	VIOLET	10			VIOLET	10	130
	ROSE	11			ROSE	11	131
	AQUA	12			AQUA	12	132
WHITE	BLUE	1		AQUA	BLUE	1	133
	ORANGE	2			ORANGE	2	134
	GREEN	3			GREEN	3	135
	BROWN	4			BROWN	4	136
	SLATE	5			SLATE	5	137
	WHITE	6			WHITE	6	138
	RED	7			RED	7	139
	BLACK	8			BLACK	8	140
	YELLOW	9			YELLOW	9	141
	VIOLET	10			VIOLET	10	142
	ROSE	11			ROSE	11	143
	AQUA	12			AQUA	12	144

DCF-04-004

MODEL Path: \\s:\projects\2714504_CADD\CADD_Sheets\Contract_2\New_SolentIS_Planes\0162191-C2-100-rtr-1C.dgn
 FILE NAME: \\s:\projects\2714504_CADD\CADD_Sheets\Contract_2\New_SolentIS_Planes\0162191-C2-100-rtr-1C.dgn



USER NAME = vnuirez
 DESIGNED - SG
 DRAWN - MAG/VN
 PLOT SCALE = 100,0000' / in.
 CHECKED - RP
 PLOT DATE = 12/12/2024
 DATE - 12/13/2024

REVISED -
 REVISED -
 REVISED -
 REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

DISTRIBUTION CABLE FIBER ASSIGNMENTS
 CMV-04-05

SCALE: N.T.S. SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
342	2018-100-BR	COOK	1351	739
CONTRACT NO. 62N91				
ILLINOIS FED. AID PROJECT				

DISTRIBUTION CABLE FIBER ASSIGNMENTS				ORIGINATION	CMV-04-06		
DISTRIBUTION CABLE DESIGNATION			DCF-04-004	DESTINATION	CMV-04-02		
BUFFER TUBE	FIBER	FIBER NO.	ASSIGNMENT	BUFFER TUBE	FIBER	FIBER NO.	ASSIGNMENT
BLUE	BLUE	1	1	RED	BLUE	1	73
	ORANGE	2	2		ORANGE	2	74
	GREEN	3	3		GREEN	3	75
	BROWN	4	4		BROWN	4	76
	SLATE	5	5		SLATE	5	77
	WHITE	6	6		WHITE	6	78
	RED	7	7		RED	7	79
	BLACK	8	8		BLACK	8	80
	YELLOW	9	9		YELLOW	9	81
	VIOLET	10	10		VIOLET	10	82
	ROSE	11	11		ROSE	11	83
	AQUA	12	12		AQUA	12	84
ORANGE	BLUE	1	13	BLACK	BLUE	1	85
	ORANGE	2	14		ORANGE	2	86
	GREEN	3	15		GREEN	3	87
	BROWN	4	16		BROWN	4	88
	SLATE	5	17		SLATE	5	89
	WHITE	6	18		WHITE	6	90
	RED	7	19		RED	7	91
	BLACK	8	20		BLACK	8	92
	YELLOW	9	21		YELLOW	9	93
	VIOLET	10	22		VIOLET	10	94
	ROSE	11	23		ROSE	11	95
	AQUA	12	24		AQUA	12	96
GREEN	BLUE	1	25	YELLOW	BLUE	1	97
	ORANGE	2	26		ORANGE	2	98
	GREEN	3	27		GREEN	3	99
	BROWN	4	28		BROWN	4	100
	SLATE	5	29		SLATE	5	101
	WHITE	6	30		WHITE	6	102
	RED	7	31		RED	7	103
	BLACK	8	32		BLACK	8	104
	YELLOW	9	33		YELLOW	9	105
	VIOLET	10	34		VIOLET	10	106
	ROSE	11	35		ROSE	11	107
	AQUA	12	36		AQUA	12	108
BROWN	BLUE	1	37	VIOLET	BLUE	1	109
	ORANGE	2	38		ORANGE	2	110
	GREEN	3	39		GREEN	3	111
	BROWN	4	40		BROWN	4	112
	SLATE	5	41		SLATE	5	113
	WHITE	6	42		WHITE	6	114
	RED	7	43		RED	7	115
	BLACK	8	44		BLACK	8	116
	YELLOW	9	45		YELLOW	9	117
	VIOLET	10	46		VIOLET	10	118
	ROSE	11	47		ROSE	11	119
	AQUA	12	48		AQUA	12	120
SLATE	BLUE	1	49	ROSE	BLUE	1	121
	ORANGE	2	50		ORANGE	2	122
	GREEN	3	51		GREEN	3	123
	BROWN	4	52		BROWN	4	124
	SLATE	5	53		SLATE	5	125
	WHITE	6	54		WHITE	6	126
	RED	7	55		RED	7	127
	BLACK	8	56		BLACK	8	128
	YELLOW	9	57		YELLOW	9	129
	VIOLET	10	58		VIOLET	10	130
	ROSE	11	59		ROSE	11	131
	AQUA	12	60		AQUA	12	132
WHITE	BLUE	1	61	AQUA	BLUE	1	133
	ORANGE	2	62		ORANGE	2	134
	GREEN	3	63		GREEN	3	135
	BROWN	4	64		BROWN	4	136
	SLATE	5	65		SLATE	5	137
	WHITE	6	66		WHITE	6	138
	RED	7	67		RED	7	139
	BLACK	8	68		BLACK	8	140
	YELLOW	9	69		YELLOW	9	141
	VIOLET	10	70		VIOLET	10	142
	ROSE	11	71		ROSE	11	143
	AQUA	12	72		AQUA	12	144

DCF-04-004

DISTRIBUTION CABLE FIBER ASSIGNMENTS				ORIGINATION	CMV-04-06		
DISTRIBUTION CABLE DESIGNATION			DCF-04-005	DESTINATION	CMV-04-09		
BUFFER TUBE	FIBER	FIBER NO.	ASSIGNMENT	BUFFER TUBE	FIBER	FIBER NO.	ASSIGNMENT
BLUE	BLUE	1	1	RED	BLUE	1	73
	ORANGE	2	2		ORANGE	2	74
	GREEN	3	3		GREEN	3	75
	BROWN	4	4		BROWN	4	76
	SLATE	5	5		SLATE	5	77
	WHITE	6	6		WHITE	6	78
	RED	7	7		RED	7	79
	BLACK	8	8		BLACK	8	80
	YELLOW	9	9		YELLOW	9	81
	VIOLET	10	10		VIOLET	10	82
	ROSE	11	11		ROSE	11	83
	AQUA	12	12		AQUA	12	84
ORANGE	BLUE	1	13	BLACK	BLUE	1	85
	ORANGE	2	14		ORANGE	2	86
	GREEN	3	15		GREEN	3	87
	BROWN	4	16		BROWN	4	88
	SLATE	5	17		SLATE	5	89
	WHITE	6	18		WHITE	6	90
	RED	7	19		RED	7	91
	BLACK	8	20		BLACK	8	92
	YELLOW	9	21		YELLOW	9	93
	VIOLET	10	22		VIOLET	10	94
	ROSE	11	23		ROSE	11	95
	AQUA	12	24		AQUA	12	96
GREEN	BLUE	1	25	YELLOW	BLUE	1	97
	ORANGE	2	26		ORANGE	2	98
	GREEN	3	27		GREEN	3	99
	BROWN	4	28		BROWN	4	100
	SLATE	5	29		SLATE	5	101
	WHITE	6	30		WHITE	6	102
	RED	7	31		RED	7	103
	BLACK	8	32		BLACK	8	104
	YELLOW	9	33		YELLOW	9	105
	VIOLET	10	34		VIOLET	10	106
	ROSE	11	35		ROSE	11	107
	AQUA	12	36		AQUA	12	108
BROWN	BLUE	1	37	VIOLET	BLUE	1	109
	ORANGE	2	38		ORANGE	2	110
	GREEN	3	39		GREEN	3	111
	BROWN	4	40		BROWN	4	112
	SLATE	5	41		SLATE	5	113
	WHITE	6	42		WHITE	6	114
	RED	7	43		RED	7	115
	BLACK	8	44		BLACK	8	116
	YELLOW	9	45		YELLOW	9	117
	VIOLET	10	46		VIOLET	10	118
	ROSE	11	47		ROSE	11	119
	AQUA	12	48		AQUA	12	120
SLATE	BLUE	1	49	ROSE	BLUE	1	121
	ORANGE	2	50		ORANGE	2	122
	GREEN	3	51		GREEN	3	123
	BROWN	4	52		BROWN	4	124
	SLATE	5	53		SLATE	5	125
	WHITE	6	54		WHITE	6	126
	RED	7	55		RED	7	127
	BLACK	8	56		BLACK	8	128
	YELLOW	9	57		YELLOW	9	129
	VIOLET	10	58		VIOLET	10	130
	ROSE	11	59		ROSE	11	131
	AQUA	12	60		AQUA	12	132
WHITE	BLUE	1	61	AQUA	BLUE	1	133
	ORANGE	2	62		ORANGE	2	134
	GREEN	3	63		GREEN	3	135
	BROWN	4	64		BROWN	4	136
	SLATE	5	65		SLATE	5	137
	WHITE	6	66		WHITE	6	138
	RED	7	67		RED	7	139
	BLACK	8	68		BLACK	8	140
	YELLOW	9	69		YELLOW	9	141
	VIOLET	10	70		VIOLET	10	142
	ROSE	11	71		ROSE	11	143
	AQUA	12	72		AQUA	12	144

DCF-04-005

MODEL Path: \\... FILE NAME: \\... CADD\CADD_Sheets\Contract_2\New_SolentIS_P\ANSI\0162191-C2-Hot-rtb-rtb-2-1D.dwg



USER NAME = vnuhez
 PLOT SCALE = 100,0000' / in.
 PLOT DATE = 12/12/2024

DESIGNED - SG
 DRAWN - MAGVN
 CHECKED - RP
 DATE - 12/13/2024

REVISED -
 REVISED -
 REVISED -
 REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

DISTRIBUTION CABLE FIBER ASSIGNMENTS
 CMV-04-06

SCALE: N.T.S. SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
342	2018-100-BR	COOK	1351	740
CONTRACT NO. 62N91				
ILLINOIS FED. AID PROJECT				

ITS-87

DISTRIBUTION CABLE FIBER ASSIGNMENTS				ORIGINATION	CMV-04-09		
DISTRIBUTION CABLE DESIGNATION		DCF-04-005		DESTINATION	CMV-04-06		
BUFFER TUBE	FIBER	FIBER NO.	ASSIGNMENT	BUFFER TUBE	FIBER	FIBER NO.	ASSIGNMENT
BLUE	BLUE	1		RED	BLUE	1	73
	ORANGE	2			ORANGE	2	74
	GREEN	3			GREEN	3	75
	BROWN	4			BROWN	4	76
	SLATE	5			SLATE	5	77
	WHITE	6			WHITE	6	78
	RED	7			RED	7	79
	BLACK	8			BLACK	8	80
	YELLOW	9			YELLOW	9	81
	VIOLET	10			VIOLET	10	82
	ROSE	11			ROSE	11	83
	AQUA	12			AQUA	12	84
ORANGE	BLUE	1		BLACK	BLUE	1	85
	ORANGE	2			ORANGE	2	86
	GREEN	3			GREEN	3	87
	BROWN	4			BROWN	4	88
	SLATE	5	LCF-04-003, FIBER 1		SLATE	5	89
	WHITE	6	LCF-04-003, FIBER 2		WHITE	6	90
	RED	7			RED	7	91
	BLACK	8			BLACK	8	92
	YELLOW	9			YELLOW	9	93
	VIOLET	10			VIOLET	10	94
	ROSE	11			ROSE	11	95
	AQUA	12			AQUA	12	96
GREEN	BLUE	1		YELLOW	BLUE	1	97
	ORANGE	2			ORANGE	2	98
	GREEN	3			GREEN	3	99
	BROWN	4			BROWN	4	100
	SLATE	5			SLATE	5	101
	WHITE	6			WHITE	6	102
	RED	7			RED	7	103
	BLACK	8			BLACK	8	104
	YELLOW	9			YELLOW	9	105
	VIOLET	10			VIOLET	10	106
	ROSE	11			ROSE	11	107
	AQUA	12			AQUA	12	108
BROWN	BLUE	1		VIOLET	BLUE	1	109
	ORANGE	2			ORANGE	2	110
	GREEN	3			GREEN	3	111
	BROWN	4			BROWN	4	112
	SLATE	5			SLATE	5	113
	WHITE	6			WHITE	6	114
	RED	7			RED	7	115
	BLACK	8			BLACK	8	116
	YELLOW	9			YELLOW	9	117
	VIOLET	10			VIOLET	10	118
	ROSE	11			ROSE	11	119
	AQUA	12			AQUA	12	120
SLATE	BLUE	1		ROSE	BLUE	1	121
	ORANGE	2			ORANGE	2	122
	GREEN	3			GREEN	3	123
	BROWN	4			BROWN	4	124
	SLATE	5			SLATE	5	125
	WHITE	6			WHITE	6	126
	RED	7			RED	7	127
	BLACK	8			BLACK	8	128
	YELLOW	9			YELLOW	9	129
	VIOLET	10			VIOLET	10	130
	ROSE	11			ROSE	11	131
	AQUA	12			AQUA	12	132
WHITE	BLUE	1		AQUA	BLUE	1	133
	ORANGE	2			ORANGE	2	134
	GREEN	3			GREEN	3	135
	BROWN	4			BROWN	4	136
	SLATE	5			SLATE	5	137
	WHITE	6			WHITE	6	138
	RED	7			RED	7	139
	BLACK	8			BLACK	8	140
	YELLOW	9			YELLOW	9	141
	VIOLET	10			VIOLET	10	142
	ROSE	11			ROSE	11	143
	AQUA	12			AQUA	12	144

DCF-04-005

DISTRIBUTION CABLE FIBER ASSIGNMENTS				ORIGINATION	CMV-04-09		
DISTRIBUTION CABLE DESIGNATION		DCF-04-006		DESTINATION	CMV-04-13		
BUFFER TUBE	FIBER	FIBER NO.	ASSIGNMENT	BUFFER TUBE	FIBER	FIBER NO.	ASSIGNMENT
BLUE	BLUE	1		RED	BLUE	1	73
	ORANGE	2			ORANGE	2	74
	GREEN	3			GREEN	3	75
	BROWN	4			BROWN	4	76
	SLATE	5			SLATE	5	77
	WHITE	6			WHITE	6	78
	RED	7			RED	7	79
	BLACK	8			BLACK	8	80
	YELLOW	9			YELLOW	9	81
	VIOLET	10			VIOLET	10	82
	ROSE	11			ROSE	11	83
	AQUA	12			AQUA	12	84
ORANGE	BLUE	1		BLACK	BLUE	1	85
	ORANGE	2			ORANGE	2	86
	GREEN	3			GREEN	3	87
	BROWN	4			BROWN	4	88
	SLATE	5	LCF-04-003, FIBER 4		SLATE	5	89
	WHITE	6	LCF-04-003, FIBER 3		WHITE	6	90
	RED	7			RED	7	91
	BLACK	8			BLACK	8	92
	YELLOW	9			YELLOW	9	93
	VIOLET	10			VIOLET	10	94
	ROSE	11			ROSE	11	95
	AQUA	12			AQUA	12	96
GREEN	BLUE	1		YELLOW	BLUE	1	97
	ORANGE	2			ORANGE	2	98
	GREEN	3			GREEN	3	99
	BROWN	4			BROWN	4	100
	SLATE	5			SLATE	5	101
	WHITE	6			WHITE	6	102
	RED	7			RED	7	103
	BLACK	8			BLACK	8	104
	YELLOW	9			YELLOW	9	105
	VIOLET	10			VIOLET	10	106
	ROSE	11			ROSE	11	107
	AQUA	12			AQUA	12	108
BROWN	BLUE	1		VIOLET	BLUE	1	109
	ORANGE	2			ORANGE	2	110
	GREEN	3			GREEN	3	111
	BROWN	4			BROWN	4	112
	SLATE	5			SLATE	5	113
	WHITE	6			WHITE	6	114
	RED	7			RED	7	115
	BLACK	8			BLACK	8	116
	YELLOW	9			YELLOW	9	117
	VIOLET	10			VIOLET	10	118
	ROSE	11			ROSE	11	119
	AQUA	12			AQUA	12	120
SLATE	BLUE	1		ROSE	BLUE	1	121
	ORANGE	2			ORANGE	2	122
	GREEN	3			GREEN	3	123
	BROWN	4			BROWN	4	124
	SLATE	5			SLATE	5	125
	WHITE	6			WHITE	6	126
	RED	7			RED	7	127
	BLACK	8			BLACK	8	128
	YELLOW	9			YELLOW	9	129
	VIOLET	10			VIOLET	10	130
	ROSE	11			ROSE	11	131
	AQUA	12			AQUA	12	132
WHITE	BLUE	1		AQUA	BLUE	1	133
	ORANGE	2			ORANGE	2	134
	GREEN	3			GREEN	3	135
	BROWN	4			BROWN	4	136
	SLATE	5			SLATE	5	137
	WHITE	6			WHITE	6	138
	RED	7			RED	7	139
	BLACK	8			BLACK	8	140
	YELLOW	9			YELLOW	9	141
	VIOLET	10			VIOLET	10	142
	ROSE	11			ROSE	11	143
	AQUA	12			AQUA	12	144

DCF-04-006

MODEL Path: \\...
FILE NAME: \\...
PROJECT: 27.4504_CADD\CADD_Sheets\Contract_2\New_SolentIS_P\ANSI_D163\91-C2-Hot-tp-82-7E.dwg



USER NAME = vnuhez
PLOT SCALE = 100,0000 ' / in.
PLOT DATE = 12/12/2024

DESIGNED - SG
DRAWN - MAGVN
CHECKED - RP
DATE - 12/13/2024

REVISED -
REVISED -
REVISED -
REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DISTRIBUTION CABLE FIBER ASSIGNMENTS
CMV-04-09

SCALE: N.T.S. SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
342	2018-100-BR	COOK	1351	741
CONTRACT NO. 62N91				
ILLINOIS FED. AID PROJECT				

ITS-88

DISTRIBUTION CABLE FIBER ASSIGNMENTS				ORIGINATION			
DISTRIBUTION CABLE DESIGNATION		DCF-04-006		DESTINATION	CMV-04-13		
BUFFER TUBE	FIBER	FIBER NO.	ASSIGNMENT	BUFFER TUBE	FIBER	FIBER NO.	ASSIGNMENT
BLUE	BLUE	1		RED	BLUE	1	73
	ORANGE	2			ORANGE	2	74
	GREEN	3			GREEN	3	75
	BROWN	4			BROWN	4	76
	SLATE	5			SLATE	5	77
	WHITE	6			WHITE	6	78
	RED	7			RED	7	79
	BLACK	8			BLACK	8	80
	YELLOW	9			YELLOW	9	81
	VIOLET	10			VIOLET	10	82
	ROSE	11			ROSE	11	83
	AQUA	12			AQUA	12	84
ORANGE	BLUE	1		BLACK	BLUE	1	85
	ORANGE	2			ORANGE	2	86
	GREEN	3			GREEN	3	87
	BROWN	4			BROWN	4	88
	SLATE	5			SLATE	5	89
	WHITE	6			WHITE	6	90
	RED	7	LCF-04-004, FIBER 1		RED	7	91
	BLACK	8	LCF-04-004, FIBER 2		BLACK	8	92
	YELLOW	9			YELLOW	9	93
	VIOLET	10			VIOLET	10	94
	ROSE	11			ROSE	11	95
	AQUA	12			AQUA	12	96
GREEN	BLUE	1		YELLOW	BLUE	1	97
	ORANGE	2			ORANGE	2	98
	GREEN	3			GREEN	3	99
	BROWN	4			BROWN	4	100
	SLATE	5			SLATE	5	101
	WHITE	6			WHITE	6	102
	RED	7			RED	7	103
	BLACK	8			BLACK	8	104
	YELLOW	9			YELLOW	9	105
	VIOLET	10			VIOLET	10	106
	ROSE	11			ROSE	11	107
	AQUA	12			AQUA	12	108
BROWN	BLUE	1		VIOLET	BLUE	1	109
	ORANGE	2			ORANGE	2	110
	GREEN	3			GREEN	3	111
	BROWN	4			BROWN	4	112
	SLATE	5			SLATE	5	113
	WHITE	6			WHITE	6	114
	RED	7			RED	7	115
	BLACK	8			BLACK	8	116
	YELLOW	9			YELLOW	9	117
	VIOLET	10			VIOLET	10	118
	ROSE	11			ROSE	11	119
	AQUA	12			AQUA	12	120
SLATE	BLUE	1		ROSE	BLUE	1	121
	ORANGE	2			ORANGE	2	122
	GREEN	3			GREEN	3	123
	BROWN	4			BROWN	4	124
	SLATE	5			SLATE	5	125
	WHITE	6			WHITE	6	126
	RED	7			RED	7	127
	BLACK	8			BLACK	8	128
	YELLOW	9			YELLOW	9	129
	VIOLET	10			VIOLET	10	130
	ROSE	11			ROSE	11	131
	AQUA	12			AQUA	12	132
WHITE	BLUE	1		AQUA	BLUE	1	133
	ORANGE	2			ORANGE	2	134
	GREEN	3			GREEN	3	135
	BROWN	4			BROWN	4	136
	SLATE	5			SLATE	5	137
	WHITE	6			WHITE	6	138
	RED	7			RED	7	139
	BLACK	8			BLACK	8	140
	YELLOW	9			YELLOW	9	141
	VIOLET	10			VIOLET	10	142
	ROSE	11			ROSE	11	143
	AQUA	12			AQUA	12	144

DCF-04-006

DISTRIBUTION CABLE FIBER ASSIGNMENTS				ORIGINATION			
DISTRIBUTION CABLE DESIGNATION		DCF-04-007		DESTINATION	CMV-04-13		
BUFFER TUBE	FIBER	FIBER NO.	ASSIGNMENT	BUFFER TUBE	FIBER	FIBER NO.	ASSIGNMENT
BLUE	BLUE	1		RED	BLUE	1	73
	ORANGE	2			ORANGE	2	74
	GREEN	3			GREEN	3	75
	BROWN	4			BROWN	4	76
	SLATE	5			SLATE	5	77
	WHITE	6			WHITE	6	78
	RED	7			RED	7	79
	BLACK	8			BLACK	8	80
	YELLOW	9			YELLOW	9	81
	VIOLET	10			VIOLET	10	82
	ROSE	11			ROSE	11	83
	AQUA	12			AQUA	12	84
ORANGE	BLUE	1		BLACK	BLUE	1	85
	ORANGE	2			ORANGE	2	86
	GREEN	3			GREEN	3	87
	BROWN	4			BROWN	4	88
	SLATE	5			SLATE	5	89
	WHITE	6			WHITE	6	90
	RED	7	LCF-04-004, FIBER 4		RED	7	91
	BLACK	8	LCF-04-004, FIBER 3		BLACK	8	92
	YELLOW	9			YELLOW	9	93
	VIOLET	10			VIOLET	10	94
	ROSE	11			ROSE	11	95
	AQUA	12			AQUA	12	96
GREEN	BLUE	1		YELLOW	BLUE	1	97
	ORANGE	2			ORANGE	2	98
	GREEN	3			GREEN	3	99
	BROWN	4			BROWN	4	100
	SLATE	5			SLATE	5	101
	WHITE	6			WHITE	6	102
	RED	7			RED	7	103
	BLACK	8			BLACK	8	104
	YELLOW	9			YELLOW	9	105
	VIOLET	10			VIOLET	10	106
	ROSE	11			ROSE	11	107
	AQUA	12			AQUA	12	108
BROWN	BLUE	1		VIOLET	BLUE	1	109
	ORANGE	2			ORANGE	2	110
	GREEN	3			GREEN	3	111
	BROWN	4			BROWN	4	112
	SLATE	5			SLATE	5	113
	WHITE	6			WHITE	6	114
	RED	7			RED	7	115
	BLACK	8			BLACK	8	116
	YELLOW	9			YELLOW	9	117
	VIOLET	10			VIOLET	10	118
	ROSE	11			ROSE	11	119
	AQUA	12			AQUA	12	120
SLATE	BLUE	1		ROSE	BLUE	1	121
	ORANGE	2			ORANGE	2	122
	GREEN	3			GREEN	3	123
	BROWN	4			BROWN	4	124
	SLATE	5			SLATE	5	125
	WHITE	6			WHITE	6	126
	RED	7			RED	7	127
	BLACK	8			BLACK	8	128
	YELLOW	9			YELLOW	9	129
	VIOLET	10			VIOLET	10	130
	ROSE	11			ROSE	11	131
	AQUA	12			AQUA	12	132
WHITE	BLUE	1		AQUA	BLUE	1	133
	ORANGE	2			ORANGE	2	134
	GREEN	3			GREEN	3	135
	BROWN	4			BROWN	4	136
	SLATE	5			SLATE	5	137
	WHITE	6			WHITE	6	138
	RED	7			RED	7	139
	BLACK	8			BLACK	8	140
	YELLOW	9			YELLOW	9	141
	VIOLET	10			VIOLET	10	142
	ROSE	11			ROSE	11	143
	AQUA	12			AQUA	12	144

DCF-04-007

MODEL Path: \\... FILE NAME: \\... PROJECT: 27.4504 CAD/CADD Sheets Contract 2/16/2024



USER NAME = vnuhez	DESIGNED - SG	REVISED -
PLOT SCALE = 100,0000' / in.	DRAWN - MAGVN	REVISED -
PLOT DATE = 12/12/2024	CHECKED - RP	REVISED -
	DATE - 12/13/2024	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DISTRIBUTION CABLE FIBER ASSIGNMENTS
CMV-04-11

SCALE: N.T.S. SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
342	2018-100-BR	COOK	1351	742
CONTRACT NO. 62N91				
ILLINOIS FED. AID PROJECT				

ITS-89

12F SM CABLE LATERAL FROM CABINET-IK-30A TO COMMUNICATIONS VAULT CMV-01-01

LATERAL CABLE FIBER ASSIGNMENTS		ORIGINATION	CABINET-IK-30A
LATERAL CABLE DESIGNATION		DESTINATION	CMV-01-01
FIBER NO.	CABINET CONNECTIONS	DISTRIBUTION CABLE CONNECTIONS	
1	ETHERNET SWITCH PORT 1	DCF-01-001 (), FIBER 1	
2	ETHERNET SWITCH PORT 1	DCF-01-001 (), FIBER 2	
3	ETHERNET SWITCH PORT 2	DCF-01-002 (), FIBER 2	
4	ETHERNET SWITCH PORT 2	DCF-01-002 (), FIBER 1	
5			
6			
7			
8			
9			
10			
11			
12			

12F SM CABLE LATERAL FROM CABINET-IK-30B TO COMMUNICATIONS VAULT CMV-01-02

LATERAL CABLE FIBER ASSIGNMENTS		ORIGINATION	CABINET-IK-30B
LATERAL CABLE DESIGNATION		DESTINATION	CMV-01-02
FIBER NO.	CABINET CONNECTIONS	DISTRIBUTION CABLE CONNECTIONS	
1	ETHERNET SWITCH PORT 1	DCF-01-002 (), FIBER 3	
2	ETHERNET SWITCH PORT 1	DCF-01-002 (), FIBER 4	
3	ETHERNET SWITCH PORT 2	DCF-01-003 (), FIBER 4	
4	ETHERNET SWITCH PORT 2	DCF-01-003 (), FIBER 3	
5			
6			
7			
8			
9			
10			
11			
12			

MODEL Path:\
FILE NAME: \\G:\Projects\27143\04_CADD\CADD_Sheets\Contract_2\New_06082025_PLANS\0162\N91-C2-Header-Itz-7.dgn

ITS-90

SINGH SINGH + ASSOCIATES INC. CONSULTING ENGINEERS	USER NAME = vnu0123	DESIGNED - SG	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	FIBER ASSIGNMENTS 12 FIBER LATERAL CABLE				F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PLOT SCALE = 100,0000 ' / in.	DRAWN - MAG/VN	REVIEWED -		SCALE: N.T.S.	SHEET	OF	SHEETS	STA.	TO STA.	2018-100-BR	COOK	1351
PLOT DATE = 12/12/2024	CHECKED - RP	REVIEWED -					CONTRACT NO. 62N91						
DATE - 12/13/2024	REVIEWED -	REVIEWED -					ILLINOIS FED. AID PROJECT						

24F SM CABLE LATERAL FROM TRAFFIC SIGNAL CABINET TO COMMUNICATIONS VAULT CMV-01-02

LATERAL CABLE FIBER ASSIGNMENTS		ORIGINATION	TRAFFIC SIGNAL CABINET
LATERAL CABLE DESIGNATION		DESTINATION	CMV-01-02
LCF-01-004		DISTRIBUTION CABLE CONNECTIONS	
FIBER NO.	CABINET CONNECTIONS		
1	ETHERNET SWITCH PORT 1 (IL RTE 62 AND IL RTE 53 WEST RAMP)	DCF-01-002 (), FIBER 73	
2	ETHERNET SWITCH PORT 1 (IL RTE 62 AND IL RTE 53 WEST RAMP)	DCF-01-002 (), FIBER 74	
3	ETHERNET SWITCH PORT 2 (IL RTE 62 AND IL RTE 53 WEST RAMP)	DCF-01-003 (), FIBER 74	
4	ETHERNET SWITCH PORT 2 (IL RTE 62 AND IL RTE 53 WEST RAMP)	DCF-01-003 (), FIBER 73	
5	ETHERNET SWITCH PORT 1 (IL RTE 62 AND IL RTE 53 WEST RAMP)	DCF-01-002 (), FIBER 75	
6	ETHERNET SWITCH PORT 1 (IL RTE 62 AND IL RTE 53 WEST RAMP)	DCF-01-002 (), FIBER 76	
7	ETHERNET SWITCH PORT 2 (IL RTE 62 AND IL RTE 53 WEST RAMP)	DCF-01-003 (), FIBER 76	
8	ETHERNET SWITCH PORT 2 (IL RTE 62 AND IL RTE 53 WEST RAMP)	DCF-01-003 (), FIBER 75	
9			
10			
11			
12			

12F SM CABLE LATERAL FROM CABINET-142 TO COMMUNICATIONS VAULT CMV-01-04

LATERAL CABLE FIBER ASSIGNMENTS		ORIGINATION	CABINET-142
LATERAL CABLE DESIGNATION		DESTINATION	CMV-01-04
LCF-01-003		DISTRIBUTION CABLE CONNECTIONS	
FIBER NO.	CABINET CONNECTIONS		
1	ETHERNET SWITCH PORT 1	DCF-01-003 (), FIBER 5	
2	ETHERNET SWITCH PORT 1	DCF-01-003 (), FIBER 6	
3	ETHERNET SWITCH PORT 2	DCF-01-004 (), FIBER 6	
4	ETHERNET SWITCH PORT 2	DCF-01-004 (), FIBER 5	
5			
6			
7			
8			
9			
10			
11			
12			

MODEL Path: \\192.168.1.100\project\27.145\04_CADD\CADD_Sheet\Contract_2\New_SolentTS_PLANS\0162N91-C2-Hot-rtr-23.dwg
 FILE NAME: \\192.168.1.100\project\27.145\04_CADD\CADD_Sheet\Contract_2\New_SolentTS_PLANS\0162N91-C2-Hot-rtr-23.dwg



USER NAME = vnuñez	DESIGNED - SG	REVISED -
	DRAWN - MAG/VN	REVISED -
PLOT SCALE = 100,0000 ' / in.	CHECKED - RP	REVISED -
PLOT DATE = 12/12/2024	DATE - 12/13/2024	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**FIBER ASSIGNMENTS
12 FIBER LATERAL CABLE**

SCALE: N.T.S. SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
342	2018-100-BR	COOK	1351	744
CONTRACT NO. 62N91				
ILLINOIS FED. AID PROJECT				

ITS-91

12F SM CABLE LATERAL FROM CABINET-158 TO COMMUNICATIONS VAULT CMV-04-01

LATERAL CABLE FIBER ASSIGNMENTS		ORIGINATION	CABINET-158
LATERAL CABLE DESIGNATION		DESTINATION	CMV-04-01
FIBER NO.	CABINET CONNECTIONS	DISTRIBUTION CABLE CONNECTIONS	
1	ETHERNET SWITCH PORT 1	DCF-04-001 (), FIBER 13	
2	ETHERNET SWITCH PORT 1	DCF-04-001 (), FIBER 14	
3	ETHERNET SWITCH PORT 2	DCF-04-002 (), FIBER 14	
4	ETHERNET SWITCH PORT 2	DCF-04-002 (), FIBER 13	
5			
6			
7			
8			
9			
10			
11			
12			

24F SM CABLE LATERAL FROM TRAFFIC SIGNAL CABINET TO COMMUNICATIONS VAULT CMV-04-02

LATERAL CABLE FIBER ASSIGNMENTS		ORIGINATION	TRAFFIC SIGNAL CABINET
LATERAL CABLE DESIGNATION		DESTINATION	CMV-04-02
FIBER NO.	CABINET CONNECTIONS	DISTRIBUTION CABLE CONNECTIONS	
1	ETHERNET SWITCH PORT 1 (US RTE 12 AND IL RTE 53 WEST RAMPS)	DCF-04-002 (), FIBER 81	
2	ETHERNET SWITCH PORT 1 (US RTE 12 AND IL RTE 53 WEST RAMPS)	DCF-04-002 (), FIBER 82	
3	ETHERNET SWITCH PORT 2 (US RTE 12 AND IL RTE 53 WEST RAMPS)	DCF-04-003 (), FIBER 82	
4	ETHERNET SWITCH PORT 2 (US RTE 12 AND IL RTE 53 WEST RAMPS)	DCF-04-003 (), FIBER 81	
5	ETHERNET SWITCH PORT 1 (US RTE 12 AND IL RTE 53 WEST RAMPS)	DCF-04-002 (), FIBER 83	
6	ETHERNET SWITCH PORT 1 (US RTE 12 AND IL RTE 53 WEST RAMPS)	DCF-04-002 (), FIBER 84	
7	ETHERNET SWITCH PORT 2 (US RTE 12 AND IL RTE 53 WEST RAMPS)	DCF-04-003 (), FIBER 84	
8	ETHERNET SWITCH PORT 2 (US RTE 12 AND IL RTE 53 WEST RAMPS)	DCF-04-003 (), FIBER 83	
9			
10			
11			
12			

MODEL Path: \\... FILE NAME: ...

12F SM CABLE LATERAL FROM CABINET-139 TO COMMUNICATIONS VAULT CMV-04-09

LATERAL CABLE FIBER ASSIGNMENTS		ORIGINATION	CABINET-139
LATERAL CABLE DESIGNATION		DESTINATION	CMV-04-09
FIBER NO.	CABINET CONNECTIONS	DISTRIBUTION CABLE CONNECTIONS	
1	ETHERNET SWITCH PORT 1	DCF-04-005 (), FIBER 17	
2	ETHERNET SWITCH PORT 1	DCF-04-005 (), FIBER 18	
3	ETHERNET SWITCH PORT 2	DCF-04-006 (), FIBER 18	
4	ETHERNET SWITCH PORT 2	DCF-04-006 (), FIBER 17	
5			
6			
7			
8			
9			
10			
11			
12			

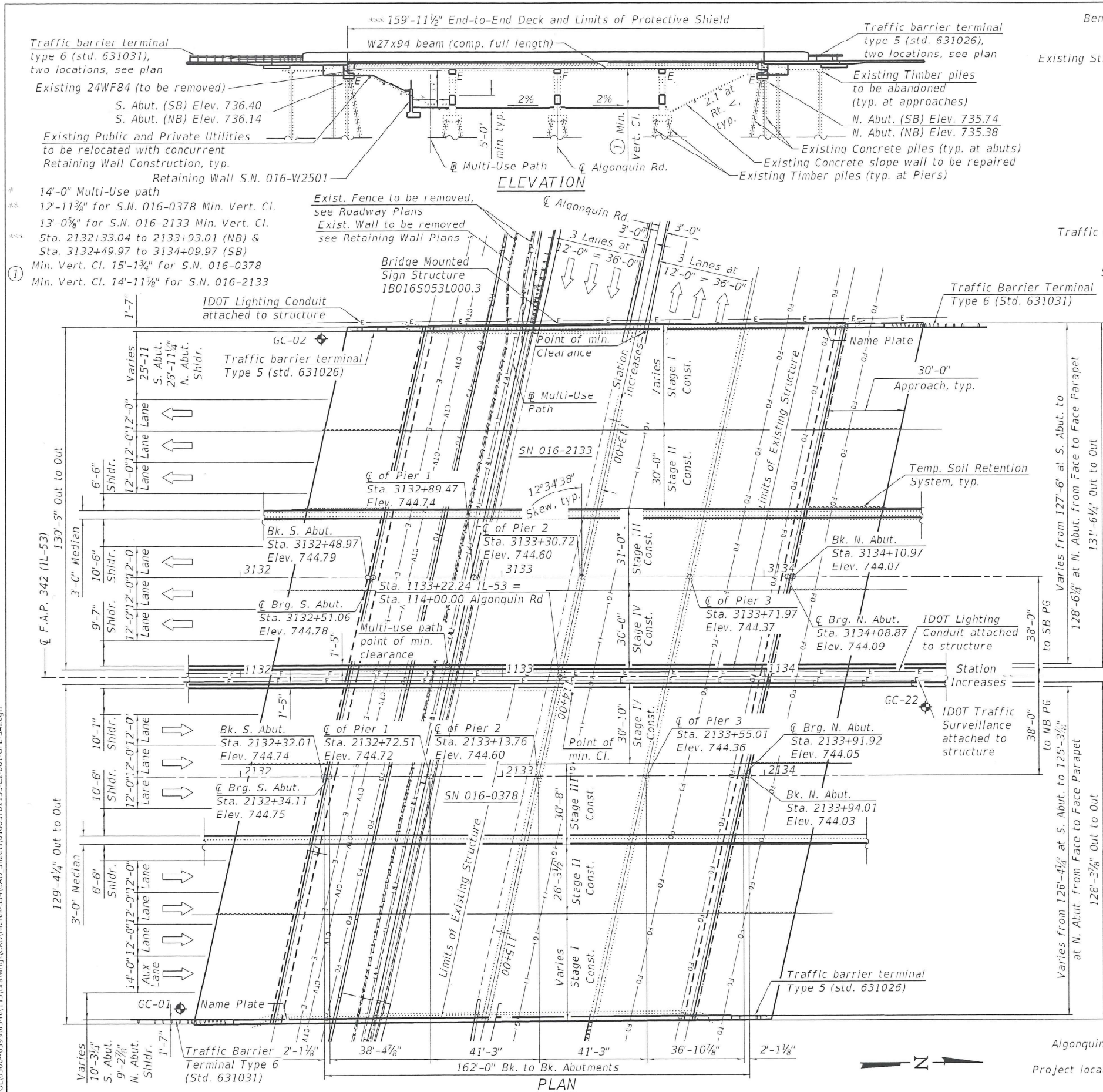
12F SM CABLE LATERAL FROM CABINET-141 TO COMMUNICATIONS VAULT CMV-04-13

LATERAL CABLE FIBER ASSIGNMENTS		ORIGINATION	CABINET-146
LATERAL CABLE DESIGNATION		DESTINATION	CMV-04-13
FIBER NO.	CABINET CONNECTIONS	DISTRIBUTION CABLE CONNECTIONS	
1	ETHERNET SWITCH PORT 1	DCF-04-006 (), FIBER 19	
2	ETHERNET SWITCH PORT 1	DCF-04-006 (), FIBER 20	
3	ETHERNET SWITCH PORT 2	DCF-04-007 (), FIBER 20	
4	ETHERNET SWITCH PORT 2	DCF-04-007 (), FIBER 19	
5			
6			
7			
8			
9			
10			
11			
12			

MODEL Path: \\... FILE NAME: ...

ITS-94

MODEL: D:\m\1170 SOUTH HOUBOLT ROAD
 FILE NAME: S:\0163300-6399\6346\113\Drawings\CAD\Itrcs-SS\H\CAD_Sheets\0160378\213-C2-001-GFE-S4L.dgn
 1170 SOUTH HOUBOLT ROAD
 JOLIET, ILLINOIS 60431
 (815) 744-4200
 IOPFR NO. 184-001273

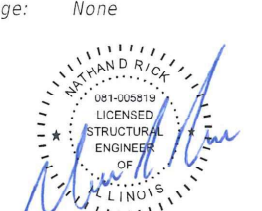


Benchmark: BM 38 Elev. 736.249. Cut cross on the East side of the third concrete light pole foundation North of Algonquin Rd, and just West of the Southbound entrance ramp to IL Rte. 53.

Existing Structure: Structure Numbers 016-0378 and 016-2133 (NB IL-53 and SB IL-53 respectively) were originally built in 1962 as FA Route 61, under Section 531-1-H(B-F)-5. The existing bridges consist of side by side four-span continuous steel superstructures with a 7\"/>

Traffic Control: Traffic is to be maintained utilizing staged construction. Entrance and exit ramps to remain open during construction.

Salvage: None



Nathan D. Rick, S.E.
 Licensed Structural Engineer
 State of Illinois No. 081 007039
 Registration Expires 11/30/2026
 DATE: 2/14/2025

STA. 1133+22.24
 REBUILT 202X BY
 STATE OF ILLINOIS
 F.A.P. RTE 342
 SEC. 2018-100-BR
 LOADING HL-93
 STR. NO. 016-0378

STA. 1133+22.24
 REBUILT 202X BY
 STATE OF ILLINOIS
 F.A.U. RTE 342
 SEC. 2018-100-BR
 LOADING HL-93
 STR. NO. 016-2133

NAME PLATE
 (See Std. 515001 and Note 2)
 DESIGN SPECIFICATIONS

2002 AASHTO Standard Specifications for Highway Bridges, 17th Edition (Existing Construction)
 2020 AASHTO LRFD Bridge Design Specifications, 9th Edition with Interims
 2006 Seismic Retrofitting Manual for Highway Structures: Part 1 - Bridges (FHWA-HRT-06-032)

EXISTING CONSTRUCTION LOADING HS20-44
 NEW CONSTRUCTION LOADING HL-93
 Allow 25#/sq. ft. for future wearing surface.

SEISMIC DATA
 Seismic Retrofit Category (SRC) = A
 Seismic Performance Zone (SPZ) = 1
 Design Spectral Acceleration at 1.0 sec. (SD1) = 0.083g
 Design Spectral Acceleration at 0.2 sec. (SDS) = 0.145g
 Soil Site Class = D

LEGEND

- FO Fiber Optic
- CTV Cable TV
- E Electric
- G Gas
- W Water
- Existing Fence
- Soil Boring

DESIGN STRESSES

FIELD UNITS

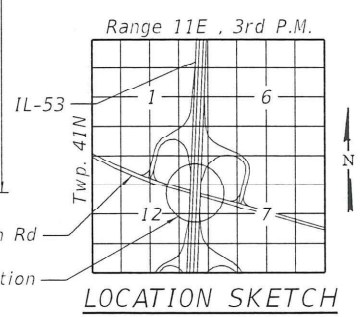
f_c = 3,500 psi (Substructure)
 f_c = 4,000 psi (Superstructure)
 f_y = 60,000 psi (Reinforcement)
 f_y = 50,000 psi (M270 Grade 50)

FIELD UNITS (EXISTING CONSTRUCTION)

f_c = 1,400 psi (Substructure)
 f_s = 20,000 psi (Reinforcement)

Notes:

1. Up to 1/2\"/>



GENERAL PLAN AND ELEVATION
 F.A.P. 342 (IL-53) OVER ALGONQUIN ROAD (IL-62)
 SECTION 2018-100-BR
 COOK COUNTY
 STA. 1133+22.24
 STRUCTURE NO. 016-0378 (NB)
 STRUCTURE NO. 016-2133 (SB)

USER NAME = CodyH	DESIGNED - TJE	REVISD -
PLOT SCALE = 0:2.0000\"/>	CHECKED - NDR	REVISD -
PLOT DATE = 2/11/2025	DRAWN - C.J.H.	REVISD -
	CHECKED - TJE	REVISD -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

GENERAL PLAN AND ELEVATION
 STRUCTURE NO. 016-0378 (NB) AND 016-2133 (SB)

SHEET 1 OF 80 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
342	2018-100-BR	COOK	1351	748
CONTRACT NO. 62N91				
ILLINOIS FED. AID PROJECT				

GENERAL NOTES

- Fasteners shall be ASTM F 3125 Grade A325 Type 1, Fasteners shall be hot dip galvanized. See Special Provisions for "Hot Dip Galvanizing for Structural Steel." Bolts 7/8" diameter, holes 1 1/16" diameter, unless otherwise noted.
- Calculated weight of Structural Steel = 701,410 lbs (Grade 50)
= 116,150 lbs (Grade 36)
- All structural steel shall be AASHTO M270 Grade 50 or Grade 36 and shall be galvanized. See Special Provision for "Hot Dip Galvanizing for Structural Steel."
- No field welding is permitted except as specified in the contract documents.
- Reinforcement bars designated (E) shall be epoxy coated.
- The finishing machine rails shall be placed on the top of the top flange of the exterior beams within the deck pour. Beam blocks shall be placed between beams at all tie locations in each bay for the full width of the deck pour.
- Bearing seat surfaces shall be constructed or adjusted to the designated elevations within a tolerance of 1/8 in. (0.01 ft.). Adjustment shall be made either by grinding the surface or by shimming the bearings.
- Plan dimensions and details relative to the existing structure have been taken from 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 the work, however, the Contractor will be paid for the quantity actually furnished at the unit price bid for the work.
- The existing structural steel coating contains lead. The Contractor shall take appropriate precautions to address the presence of lead on this project.
- Concrete surfaces that are to receive the textured form liner treatment shall also be tinted according to the special provision for "Concrete Color Additive". The revealed and exposed formed textured surface shall receive the application of "Concrete Sealant (Special)". All other surfaces to receive application of Protective Coat.
- An existing debris shield is present full length of Span 2 and 3. The staged removal of this debris shield is to be performed concurrently with the staged removal of the superstructures. This work will not be individually measured for payment but is considered to be included with the cost of "Removal of Existing Superstructures No. 1 and No. 2."
- A film forming Concrete Sealer shall be applied to horizontal surfaces to the designated area of the new pier infills. A penetrating Concrete Sealer shall be applied to vertical surfaces to the designated area of the new and existing concrete 5 ft. above grade.

INDEX OF SHEETS

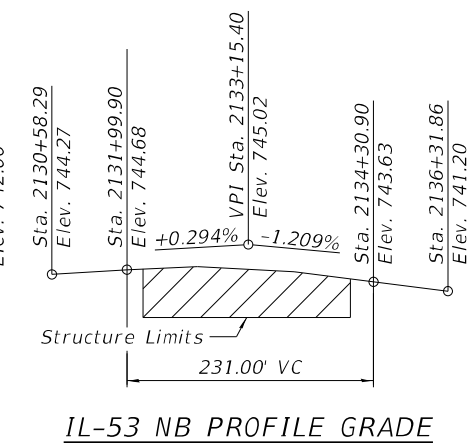
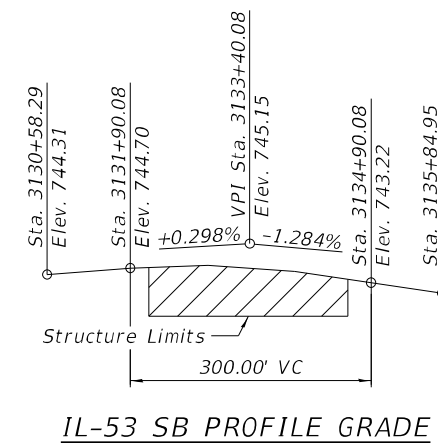
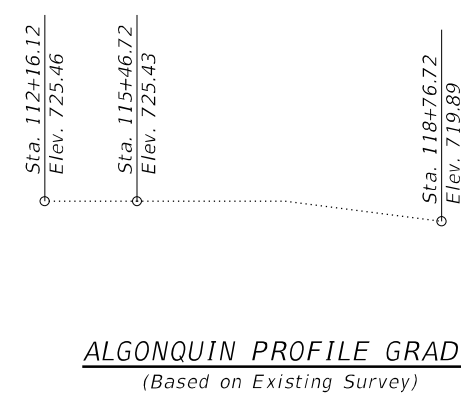
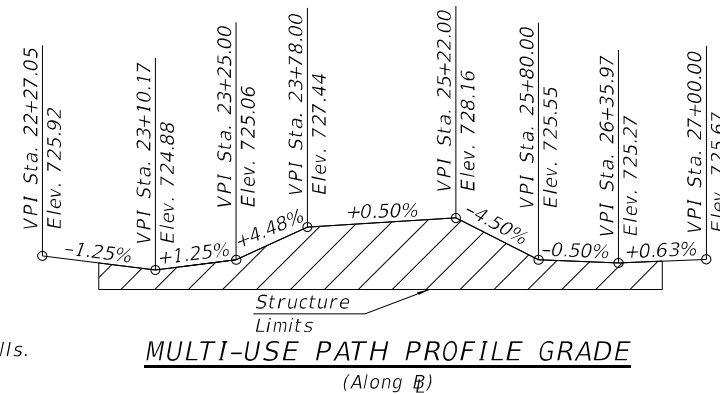
- General Plan And Elevation
- General Notes & Total Bill of Materials
- 3-4 Construction Staging
- 5 Temporary Concrete Barrier
- 6-7 Top of Deck Slab Elevation Layout
- 8-17 Top of Deck Slab Elevation
- 18-25 Top of Approach Slab Elevations
- 26 Deck Plan (NB)
- 27 Cross Section (NB)
- 28 Deck Plan (SB)
- 29 Cross Section (SB)
- 30-33 Deck and Parapet Details
- 34 Semi-Integral Diaphragm
- 35 Semi-Integral Diaphragm Details
- 36-37 Approach Slab Plan (NB)
- 38 Approach Slab Cross Section (NB)
- 39-40 Approach Slab Plan (SB)
- 41 Approach Slab Cross Section (SB)
- 42 Approach Slab Details
- 43-44 Framing Plans
- 45 Interior Moment And Reaction Tables
- 46 Splice Details And Beam Elevations
- 47 Cross Frames And Beam Details
- 48-49 Bearing Details
- 50 South Abutment Removal And Repair (NB)
- 51 North Abutment Removal And Repair (NB)
- 52 South Abutment Removal And Repair (SB)
- 53 North Abutment Removal And Repair (SB)
- 54 Pier 1 Removal And Repair (NB)
- 55 Pier 2 Removal And Repair (NB)
- 56 Pier 3 Removal And Repair (NB)
- 57 Pier 1 Removal And Repair (SB)
- 58 Pier 2 Removal And Repair (SB)
- 59 Pier 3 Removal And Repair (SB)
- 60-61 Abutment Plan And Elevations (NB)
- 62-63 Abutment Plan And Elevations (SB)
- 64 Wing Wall Plan And Elevations (NB)
- 65 Wing Wall Plan And Elevations (SB)
- 66-68 Pier Modification Details (NB)
- 69-71 Pier Modification Details (SB)
- 72 Slope Wall Repair (NB)
- 73 Slope Wall Repair (SB)
- 74 Concrete Parapet Slip Forming Option
- 75 Bar Splicer Details
- 76-78 Soil Borings

TOTAL BILL OF MATERIALS

Pay Item Name	Unit	Super	Sub	Total
Removal of Existing Superstructures No. 1	EACH	1		1
Removal of Existing Superstructures No. 2	EACH	1		1
Concrete Removal	CU YD		245.0	245.0
Protective Shield	SQ YD	4,564		4,564
Structure Excavation	CU YD		1,471	1,471
Concrete Structures	CU YD		695.7	695.7
Concrete Superstructure	CU YD	1,467.2		1,467.2
Protective Coat	SQ YD	7,041		7,041
Concrete Superstructure (Approach Slab)	CU YD	720.5		720.5
Furnishing and Erecting Structural Steel	L SUM	1		1
Stud Shear Connectors	EACH	38,442		38,442
Reinforcement Bars, Epoxy Coated	POUND	627,530	55,210	682,740
Bar Splicers	EACH	4,644		4,644
Mechanical Splicers	EACH	108	269	377
Slope Wall 4 Inch	SQ YD		714	714
Name Plates	EACH	2		2
Elastomeric Bearing Assembly, Type I	EACH	172		172
Anchor Bolts, 1"	EACH	430		430
Temporary Soil Retention System	SQ FT		796	796
Granular Backfill for Structures	CU YD		1,051	1,051
Concrete Sealer	SQ FT		9,144	9,144
Geocomposite Wall Drain	SQ YD		449	449
Pipe Underdrains for Structures 4"	FOOT		609	609
Slope Wall Crack Sealing	FOOT		1,938	1,938
Concrete Color Additive	CU YD	61.9		61.9
Bridge Deck Grooving (Longitudinal)	SQ YD	5,841		5,841
Form Liner Textured Surface (Special)	SQ FT	1,318		1,318
Bar Terminators	EACH	1,910		1,910
Fence Removal	FOOT		196	196
Architectural Form Liner	SQ YD	4		4
Structural Repair of Concrete (Depth Equal to or Less Than 5 Inches)	SQ FT		286	286
Structural Repair of Concrete (Depth Greater Than 5 Inches)	SQ FT		12	12
Diamond Grinding (Bridge Section)	SQ YD	5,647		5,647
Slope Wall Repair	SQ YD		139	139
Concrete Sealant (Special)	SQ FT	122		122

SCOPE OF WORK

- Completely remove and replace existing superstructures and all bearings.
- Convert existing stub abutments to semi-integral type abutments.
- Temporarily support all utilities and reattach to bridge.
- Construct new fully composite concrete superstructure with 44" tall concrete barriers.
- Construct concrete pier infills and cap extensions, and reconstruct wing walls.
- Construct new approach slabs.
- Repair substructures using "Structural Repair of Concrete".
- Construct multi-use path and retaining wall.
- Remove and replace sign structure for Eastbound Algonquin Rd.



Note: The IL-53 Profile Grades show the final grade after grinding.

MODEL: Default
FILE NAME: S:\J\16300-6399\6346\113\Drawings\CAD\Micro-55A\CAD_Sheets\01603782133-C2-002-GN-5A.dgn
2/11/2025 1:55:12 PM



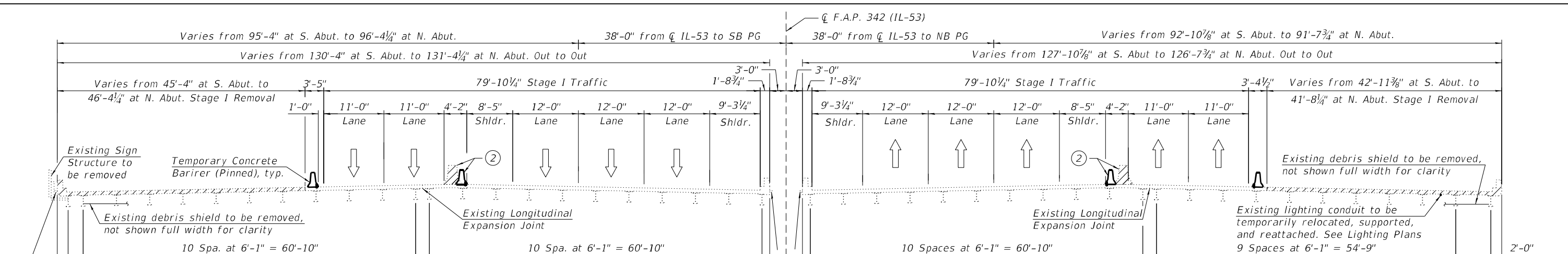
USER NAME = CodyH	DESIGNED - TJE	REVISED -
PLOT SCALE = 0:2.0000" = 1' / in.	CHECKED - NDR	REVISED -
PLOT DATE = 2/11/2025	DRAWN - CJH	REVISED -
	CHECKED - TJE	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**GENERAL NOTES & TOTAL BILL OF MATERIALS
STRUCTURE NO. 016-0378 (NB) AND 016-2133 (SB)**

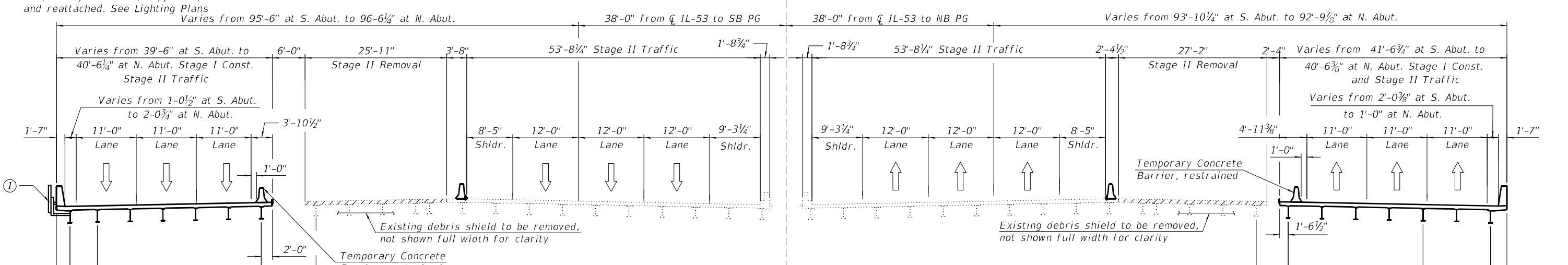
SHEET 2 OF 80 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
342	2018-100-BR	COOK	1351	749
CONTRACT NO. 62N91				
ILLINOIS FED. AID PROJECT				



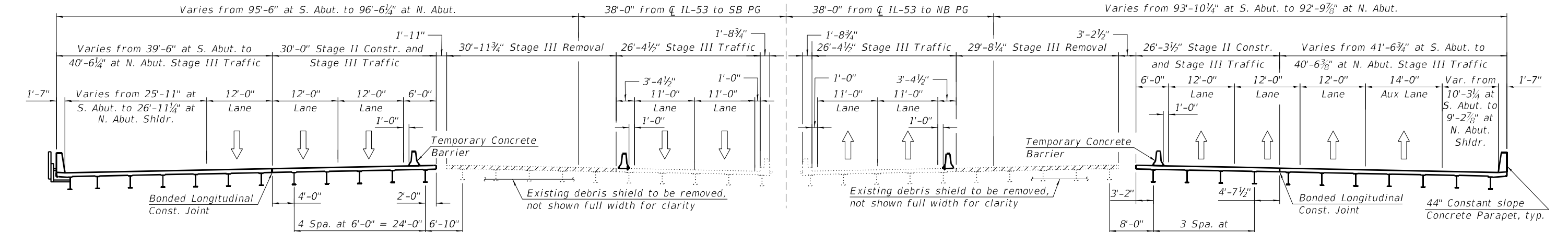
STAGE I TRAFFIC AND REMOVAL SB
(SN 016-2133 Looking North)

STAGE I TRAFFIC AND REMOVAL NB
(SN 016-0378 Looking North)



STAGE I CONSTRUCTION AND STAGE II TRAFFIC AND REMOVAL SB
(SN 016-2133 Looking North)

STAGE I CONSTRUCTION AND STAGE II TRAFFIC AND REMOVAL NB
(SN 016-0178 Looking North)



STAGE II CONSTRUCTION AND STAGE III TRAFFIC AND REMOVAL SB
(SN 016-2133 Looking North)

STAGE II CONSTRUCTION AND STAGE III TRAFFIC AND REMOVAL NB
(SN 016-0378 Looking North)

- ① Bridge Mounted Sign Structure 1B016S053L000.3
- ② Existing Barrier to be removed in prestage construction. Temporary concrete barrier to be installed as shown in Stage I traffic.

MODEL: Default
 FILE NAME: S:\J\116300-6399\Drawings\CAD\Micro-554\CAD_Sheets\11630782133-C2-003-CS-SAL.dgn
 2/11/2025 1:55:14 PM

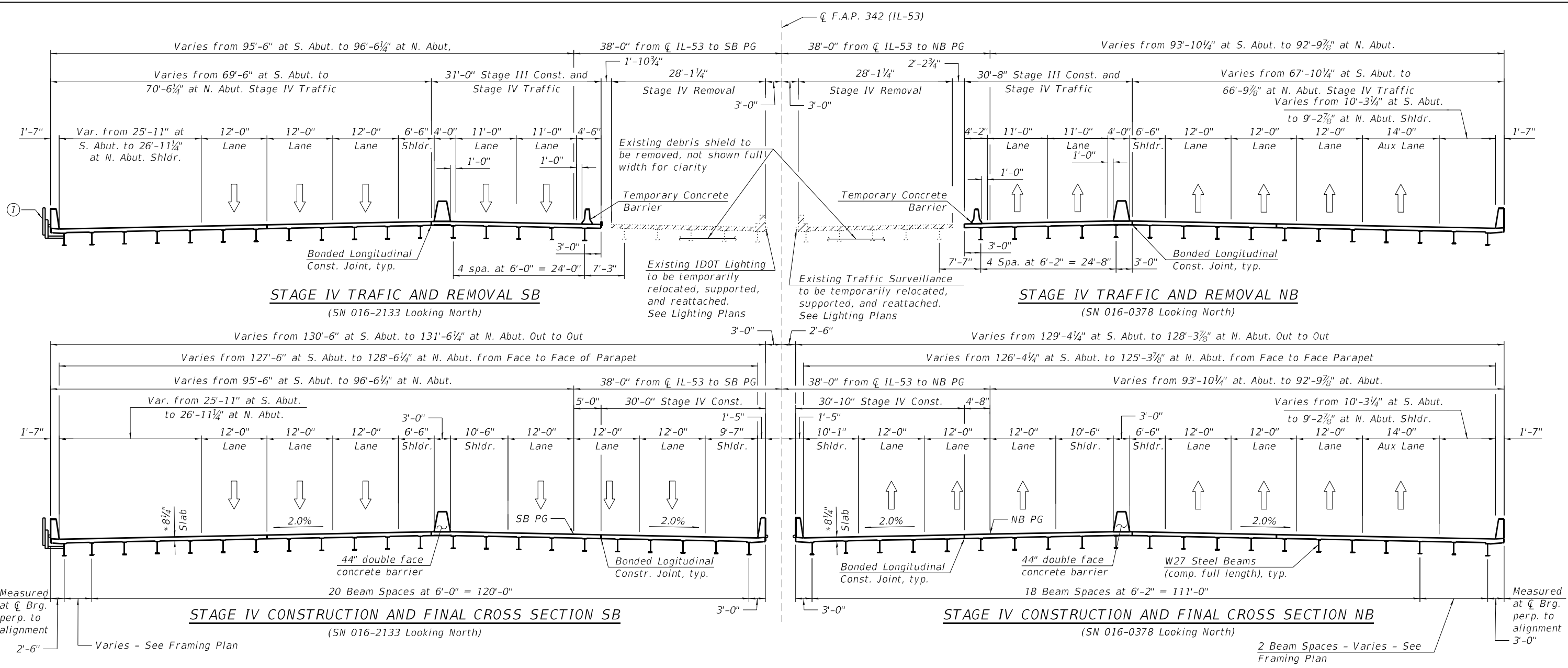


USER NAME = CodyH	DESIGNED - TJE	REVISED -
PLOT SCALE = 0:2.0000 "/>		

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**CONSTRUCTION STAGING (1 OF 2)
STRUCTURE NO. 016-0378 (NB) AND 016-2133 (SB)**

F.A.P. RTE. 342	SECTION 2018-100-BR	COUNTY COOK	TOTAL SHEETS 1351	SHEET NO. 750
CONTRACT NO. 62N91				
ILLINOIS FED. AID PROJECT				



* Prior to Grinding

① Bridge Mounted Sign Structure 1B016S053L000.3

MODEL: Default
FILE NAME: S:\JOLI\6300-6399\6346\113\Drawings\CAD\Micro-55A\CAD_Sheets\01603782133-C2-004-CS-5A1.dgn
2/11/2025 1:55:16 PM



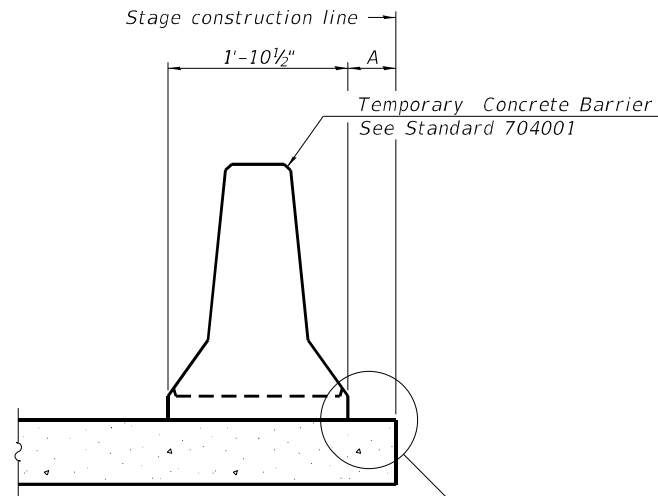
1170 SOUTH HOUBOLT ROAD JOLIET, ILLINOIS 60431 (815) 744-4200 IDFPR NO. 184-001273	USER NAME = CodyH	DESIGNED - TJE	REVISD -
		CHECKED - NDR	REVISD -
	PLOT SCALE = 0:2.0000 "/> <td>DRAWN - CJH</td> <td>REVISD -</td>	DRAWN - CJH	REVISD -
	PLOT DATE = 2/11/2025	CHECKED - TJE	REVISD -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CONSTRUCTION STAGING (2 OF 2)
STRUCTURE NO. 016-0378 (NB) AND 016-2133 (SB)

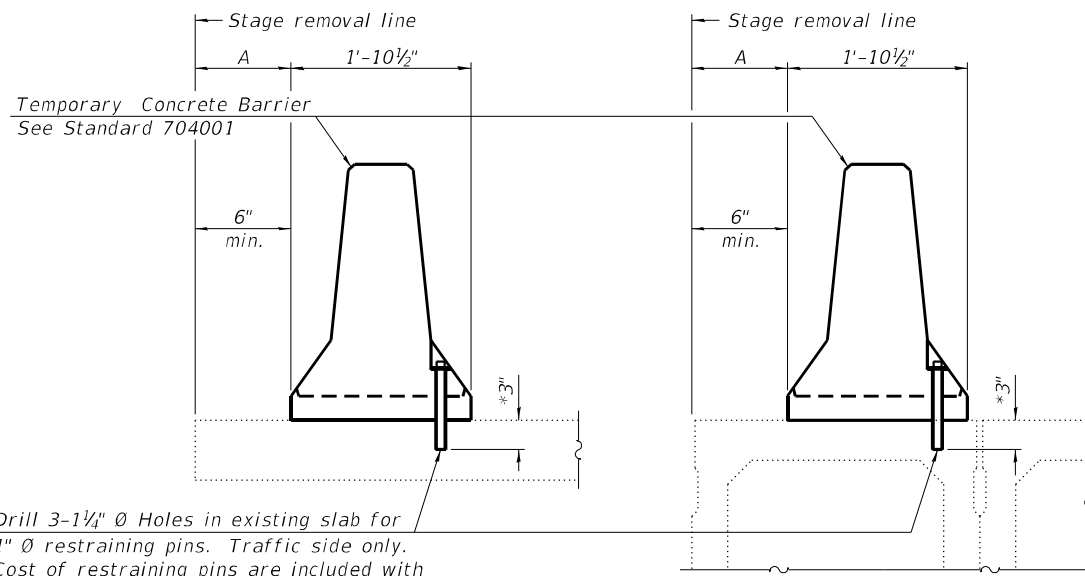
SHEET 4 OF 80 SHEETS

F.A.P. RTE. 342	SECTION 2018-100-BR	COUNTY COOK	TOTAL SHEETS 1351	SHEET NO. 751
CONTRACT NO. 62N91				
ILLINOIS FED. AID PROJECT				



When "A" is 3'-1" or less, the temporary concrete barrier shall be restrained to the new slab according to Detail I, II or III. No restraint is required when "A" is greater than 3'-1".

NEW SLAB OR NEW DECK BEAM

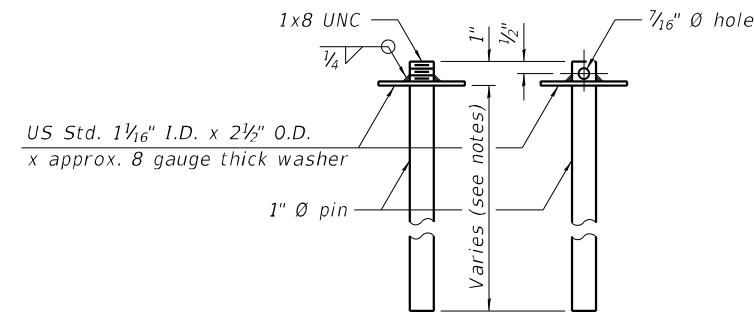


Drill 3-1/4" Ø Holes in existing slab for 1" Ø restraining pins. Traffic side only. Cost of restraining pins are included with Temporary Concrete Barrier. No restraint is required when "A" is greater than 3'-1".

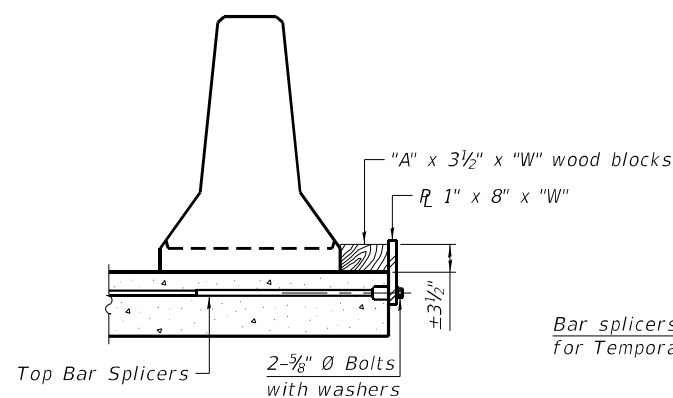
EXISTING SLAB

EXISTING DECK BEAM

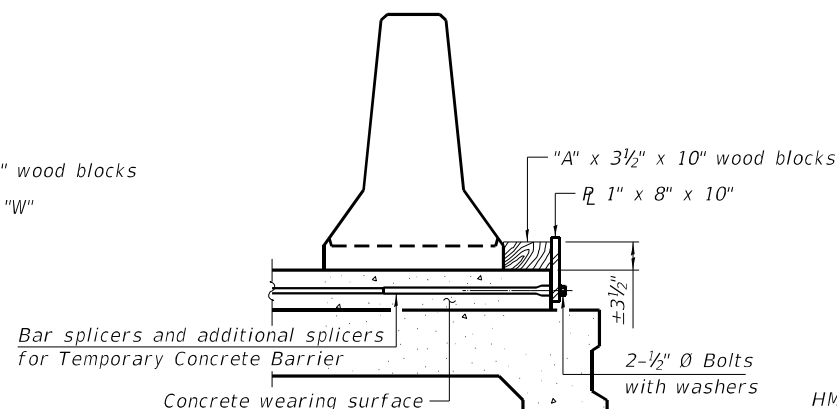
SECTIONS THRU SLAB OR DECK BEAM



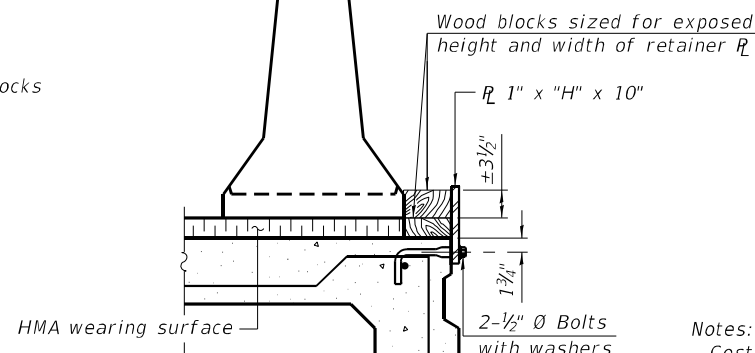
RESTRAINING PIN



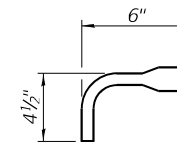
DETAIL I



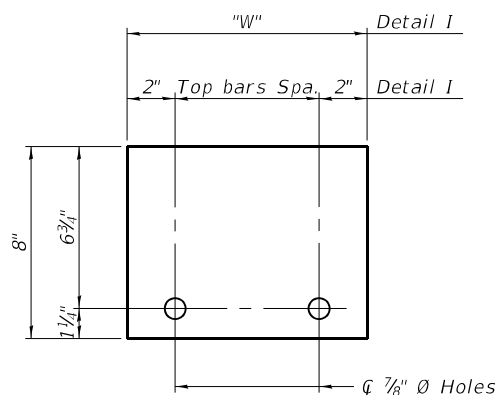
DETAIL II



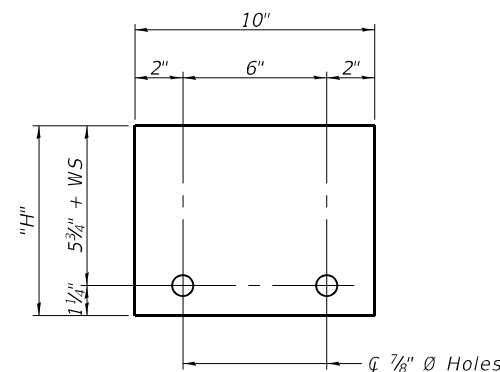
DETAIL III



BAR SPLICER FOR #4 BAR - DETAIL III



STEEL RETAINER ϕ 1" x 8" x "W" (Detail I)



STEEL RETAINER ϕ 1" x "H" x 10" (Detail III)

Notes:
 Cost of retainer assembly is included with Temporary Concrete Barrier.
 A retainer assembly shall be located at the approximate \square of each temporary concrete barrier.
 The retainer plate shall not be removed until the concrete on the adjacent stage is ready to be poured. For Detail III applications the retainer plate shall not be removed until just prior to placing the adjacent beam.
 When the 'A' dimension is less than 1 1/2', the wood block shall be omitted and the barrier shall be placed in direct contact with the steel retainer plate. For deck beam applications the minimum required 'A' distance is 6' to accommodate the shear key clamping device.

- Detail I - Installation for a new bridge deck or bridge slab.
- Detail II - Installation for a new deck beam with an initial concrete wearing surface. Additional bar splicers shall be provided at 6'-0" centers and paired with the bar splicers of the concrete wearing surface reinforcement to accommodate the installation of the retainer assemblies. The cost of the additional bar splicers is included with the concrete wearing surface.
- Detail III - Installation for a new deck beam with no initial wearing surface or with an initial hot-mix asphalt (HMA) wearing surface present. The deck beam directly beneath the temporary concrete barrier shall be fabricated with bar splicer inserts in the side of the beam, as detailed, to accommodate the installation of the retainer assemblies. A pair of bar splicers, 6" apart, shall be placed at 6'-0" centers along the length of the beam. The cost of the bar splicers is included with the deck beam.

RAILING CRITERIA

NCHRP 350 Test Level	3
Railing Weight (plf)	440

R-27 5-15-2023

MODEL: Default
 FILE NAME: S:\01\6300-6399\6346\113\Drawings\CAD\Micro-554\CAD_Sheets\01603782133-C2-005-TCB-SAL.dgn
 2/11/2025 1:55:17 PM



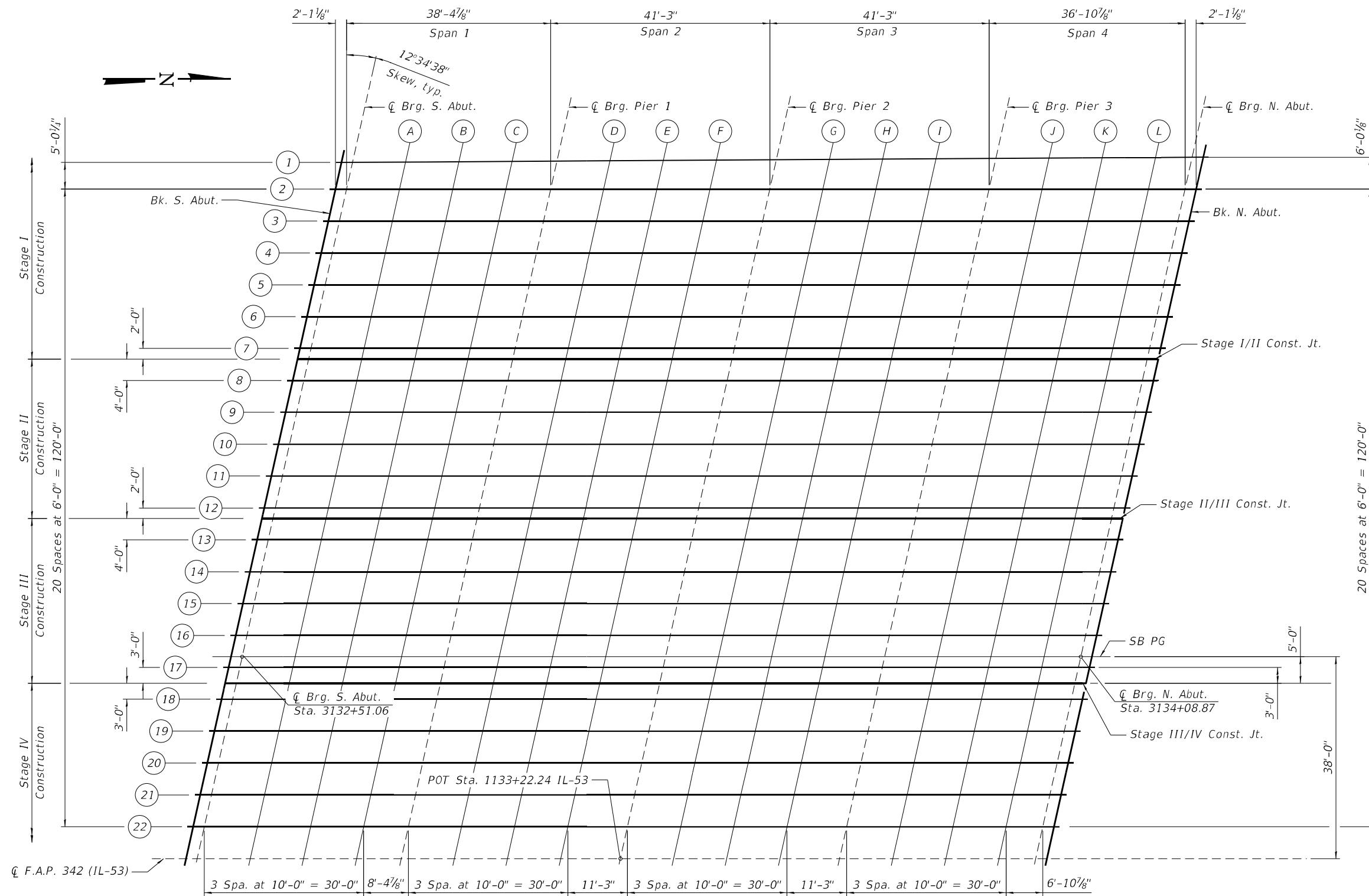
USER NAME = CodyH	DESIGNED - TJE	REVISED -
PLOT SCALE = 0:2.0000' / 1 in.	CHECKED - NDR	REVISED -
PLOT DATE = 2/11/2025	DRAWN - CJH	REVISED -
	CHECKED - TJE	REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

TEMPORARY CONCRETE BARRIER
 STRUCTURE NO. 016-0378 (NB) AND 016-2133 (SB)

SHEET 5 OF 80 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
342	2018-100-BR	COOK	1351	752
CONTRACT NO. 62N91				
ILLINOIS FED. AID PROJECT				



TOP OF DECK SLAB PLAN

MODEL: Default
 FILE NAME: S:\JOLI\6300-6399\6346\11\3\Drawings\CAD\Micro-554\CAD_Sheets\01603782133-C2-006-TSELL1-SAL.dgn
 2/11/2025 1:55:18 PM

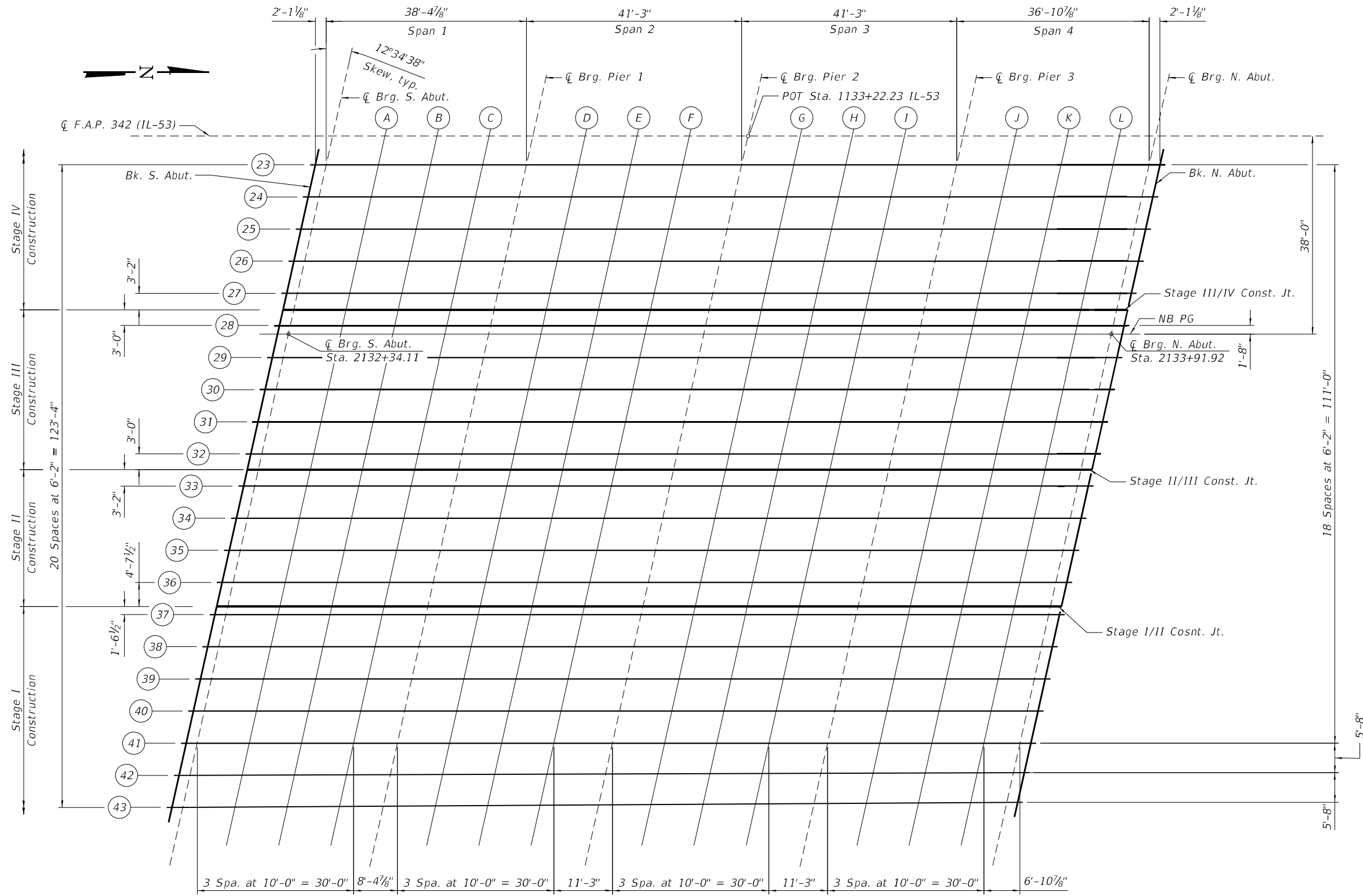


USER NAME = CodyH	DESIGNED - JAS	REVISED -
PLOT SCALE = 0:2.0000 "/>		

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

TOP OF DECK SLAB ELEVATION LAYOUT
 STRUCTURE NO. 016-2133 (SB)
 SHEET 6 OF 80 SHEETS

F.A.P. RTE. 342	SECTION 2018-100-BR	COUNTY COOK	TOTAL SHEETS 1351	SHEET NO. 753
CONTRACT NO. 62N91				
ILLINOIS FED. AID PROJECT				



TOP OF DECK SLAB PLAN

MODEL: Default
 FILE NAME: S:\JOL\6300-6399\6346\113\Drawings\CAD\Micro-554\CAD_Sheets\01603782\133-C2-007-TSEL2-SAL.dgn
 2/11/2025 1:55:19 PM



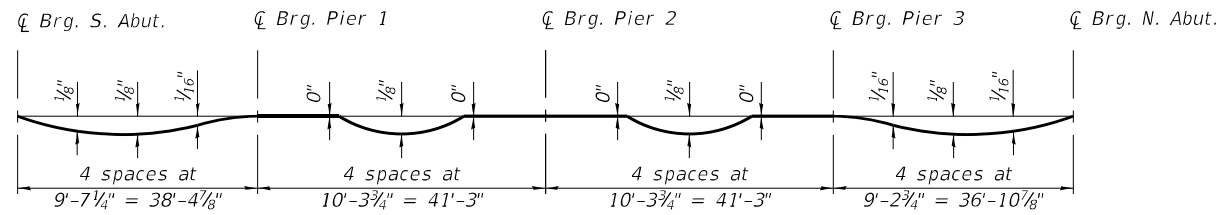
USER NAME = CodyH	DESIGNED - JAS	REVISED -
PLOT SCALE = 0:2.0000 "/>		

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

TOP OF DECK SLAB ELEVATION LAYOUT
 STRUCTURE NO. 016-0378 (NB)

SHEET 7 OF 80 SHEETS

F.A.P. RTE. 342	SECTION 2018-100-BR	COUNTY COOK	TOTAL SHEETS 1351	SHEET NO. 754
CONTRACT NO. 62N91				
ILLINOIS FED. AID PROJECT				

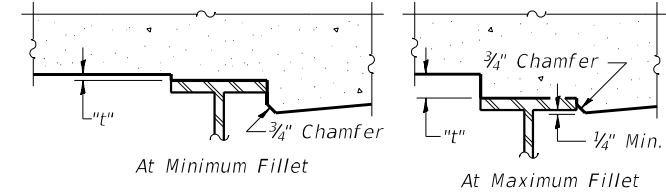


DEAD LOAD DEFLECTION DIAGRAM

(Includes weight of concrete only.)

Note:

The above deflections are not to be used in the field if the engineer is working from the grade elevations adjusted for dead load deflections and grinding as shown on Sheets 8-17.



To determine "t": After all structural steel has been erected, elevations of the top flanges of the beams shall be taken at intervals shown on Sheets 6 and 7. These elevations subtracted from the "Theoretical Grade Elevations Adjusted for Dead Load Deflection and Grinding" shown on Sheets 8 thru 17, minus the initial slab thickness prior to grinding, equals the fillet heights "t" above top flange of beams. The slab is to be ground after curing to achieve smoothness, but the slab is not to be ground to elevations below the "Theoretical Grade Elevations" shown on Sheets 8 thru 17. For grinding the deck, see Special Provisions.

FILLET HEIGHTS

BEAM 1

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted for DL Deflection & Grinding
Bk. S. Abut.	3132+69.73	93.06	743.87	743.89
CL Brg. S. Abut.	3132+71.83	93.07	743.87	743.89
A	3132+81.84	93.14	743.85	743.88
B	3132+91.86	93.20	743.83	743.86
C	3133+01.87	93.26	743.80	743.83
CL Brg. Pier 1	3133+10.29	93.31	743.77	743.79
D	3133+20.30	93.38	743.73	743.76
E	3133+30.32	93.44	743.69	743.72
F	3133+40.33	93.50	743.64	743.67
CL Brg. Pier 2	3133+51.60	93.57	743.58	743.60
G	3133+61.61	93.64	743.52	743.55
H	3133+71.62	93.70	743.46	743.49
I	3133+81.64	93.76	743.39	743.41
CL Brg. Pier 3	3133+92.90	93.83	743.30	743.32
J	3134+02.92	93.89	743.22	743.25
K	3134+12.93	93.96	743.14	743.17
L	3134+22.94	94.02	743.04	743.07
CL Brg. N. Abut.	3134+29.86	94.06	742.98	743.00
BK. N. Abut.	3134+31.96	94.08	742.96	742.98

BEAM 2

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted for DL Deflection & Grinding
Bk. S. Abut.	3132+68.60	88.00	743.97	743.99
CL Brg. S. Abut.	3132+70.70	88.00	743.97	743.99
A	3132+80.70	88.00	743.95	743.99
B	3132+90.70	88.00	743.93	743.97
C	3133+00.70	88.00	743.91	743.93
CL Brg. Pier 1	3133+09.10	88.00	743.88	743.90
D	3133+19.10	88.00	743.85	743.87
E	3133+29.10	88.00	743.81	743.83
F	3133+39.10	88.00	743.76	743.78
CL Brg. Pier 2	3133+50.35	88.00	743.70	743.72
G	3133+60.35	88.00	743.64	743.67
H	3133+70.35	88.00	743.58	743.61
I	3133+80.35	88.00	743.51	743.54
CL Brg. Pier 3	3133+91.60	88.00	743.43	743.45
J	3134+01.60	88.00	743.35	743.38
K	3134+11.60	88.00	743.27	743.30
L	3134+21.60	88.00	743.18	743.20
CL Brg. N. Abut.	3134+28.51	88.00	743.11	743.13
Bk. N. Abut.	3134+30.60	88.00	743.09	743.11

BEAM 3

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted for DL Deflection & Grinding
Bk. S. Abut.	3132+67.26	82.00	744.09	744.11
CL Brg. S. Abut.	3132+69.36	82.00	744.09	744.11
A	3132+79.36	82.00	744.08	744.11
B	3132+89.36	82.00	744.06	744.09
C	3132+99.36	82.00	744.03	744.06
CL Brg. Pier 1	3133+07.76	82.00	744.01	744.03
D	3133+17.76	82.00	743.97	744.00
E	3133+27.76	82.00	743.93	743.96
F	3133+37.76	82.00	743.89	743.91
CL Brg. Pier 2	3133+49.01	82.00	743.83	743.85
G	3133+59.01	82.00	743.77	743.80
H	3133+69.01	82.00	743.71	743.74
I	3133+79.01	82.00	743.64	743.67
CL Brg. Pier 3	3133+90.26	82.00	743.56	743.58
J	3134+00.26	82.00	743.48	743.51
K	3134+10.26	82.00	743.40	743.43
L	3134+20.26	82.00	743.31	743.34
CL Brg. N. Abut.	3134+27.17	82.00	743.25	743.27
Bk. N. Abut.	3134+29.26	82.00	743.23	743.25

MODEL: Default
FILE NAME: S:\JOLI\6300-6399\6346\113\Drawings\CAD\Micro-554\CAD_Sheets\01603782133-C2-008-TSEI-SAL.dgn
2/11/2025 1:55:28 PM



USER NAME = CodyH	DESIGNED - JAS	REVISED -
PLOT SCALE = 0:2.0000 "/in.	CHECKED - NDR	REVISED -
PLOT DATE = 2/11/2025	DRAWN - CJH	REVISED -
	CHECKED - TJE	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TOP OF DECK SLAB ELEVATION (1 OF 10)
STRUCTURE NO. 016-0378 (NB) AND 016-2133 (SB)

SHEET 8 OF 80 SHEETS

F.A.P. RTE. 342	SECTION 2018-100-BR	COUNTY COOK	TOTAL SHEETS 1351	SHEET NO. 755
CONTRACT NO. 62N91				
ILLINOIS FED. AID PROJECT				

BEAM 4

Table with 5 columns: Location, Station, Offset, Theoretical Grade Elevations, Theoretical Grade Elevations Adjusted for DL Deflection & Grinding. Rows include Bk. S. Abut., CL Brg. S. Abut., A, B, C, CL Brg. Pier 1, D, E, F, CL Brg. Pier 2, G, H, I, CL Brg. Pier 3, J, K, L, CL Brg. N. Abut., Bk. N. Abut.

BEAM 5

Table with 5 columns: Location, Station, Offset, Theoretical Grade Elevations, Theoretical Grade Elevations Adjusted for DL Deflection & Grinding. Rows include Bk. S. Abut., CL Brg. S. Abut., A, B, C, CL Brg. Pier 1, D, E, F, CL Brg. Pier 2, G, H, I, CL Brg. Pier 3, J, K, L, CL Brg. N. Abut., Bk. N. Abut.

BEAM 6

Table with 5 columns: Location, Station, Offset, Theoretical Grade Elevations, Theoretical Grade Elevations Adjusted for DL Deflection & Grinding. Rows include Bk. S. Abut., CL Brg. S. Abut., A, B, C, CL Brg. Pier 1, D, E, F, CL Brg. Pier 2, G, H, I, CL Brg. Pier 3, J, K, L, CL Brg. N. Abut., Bk. N. Abut.

BEAM 7

Table with 5 columns: Location, Station, Offset, Theoretical Grade Elevations, Theoretical Grade Elevations Adjusted for DL Deflection & Grinding. Rows include Bk. S. Abut., CL Brg. S. Abut., A, B, C, CL Brg. Pier 1, D, E, F, CL Brg. Pier 2, G, H, I, CL Brg. Pier 3, J, K, L, CL Brg. N. Abut., Bk. N. Abut.

STAGE I/II CONST. JT.

Table with 5 columns: Location, Station, Offset, Theoretical Grade Elevations, Theoretical Grade Elevations Adjusted for DL Deflection & Grinding. Rows include Bk. S. Abut., CL Brg. S. Abut., A, B, C, CL Brg. Pier 1, D, E, F, CL Brg. Pier 2, G, H, I, CL Brg. Pier 3, J, K, L, CL Brg. N. Abut., Bk. N. Abut.

BEAM 8

Table with 5 columns: Location, Station, Offset, Theoretical Grade Elevations, Theoretical Grade Elevations Adjusted for DL Deflection & Grinding. Rows include Bk. S. Abut., CL Brg. S. Abut., A, B, C, CL Brg. Pier 1, D, E, F, CL Brg. Pier 2, G, H, I, CL Brg. Pier 3, J, K, L, CL Brg. N. Abut., Bk. N. Abut.

MODEL: Default FILE NAME: S:\JOL\6300-6399\6346\11\3\Drawings\CAD\Micro-55A\CAD_Sheets\01603782\133-C-009-TSE2-SAL.dgn

SA STRAND ASSOCIATES 1170 SOUTH HOUBOLT ROAD JOLIET, ILLINOIS 60431 (815) 744-4200 IDFPR NO. 184-001273

Table with 4 columns: USER NAME = CodyH, DESIGNED - JAS, CHECKED - NDR, PLOT SCALE = 0:2.0000 "/ in., DRAWN - CJH, PLOT DATE = 2/11/2025, CHECKED - TJE, REVISED -

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

TOP OF DECK SLAB ELEVATION (2 OF 10) STRUCTURE NO. 016-0378 (NB) AND 016-2133 (SB)

Table with 5 columns: F.A.P. RTE., SECTION, COUNTY, TOTAL SHEETS, SHEET NO. Values: 342, 2018-100-BR, COOK, 1351, 756

BEAM 9

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted for DL Deflection & Grinding
Bk. S. Abut.	3132+59.23	46.00	744.82	744.84
CL Brg. S. Abut.	3132+61.32	46.00	744.82	744.84
A	3132+71.32	46.00	744.81	744.84
B	3132+81.32	46.00	744.79	744.83
C	3132+91.32	46.00	744.77	744.80
CL Brg. Pier 1	3132+99.73	46.00	744.75	744.77
D	3133+09.73	46.00	744.72	744.74
E	3133+19.73	46.00	744.68	744.71
F	3133+29.73	46.00	744.64	744.67
CL Brg. Pier 2	3133+40.98	46.00	744.59	744.61
G	3133+50.98	46.00	744.54	744.56
H	3133+60.98	46.00	744.48	744.51
I	3133+70.98	46.00	744.42	744.44
CL Brg. Pier 3	3133+82.23	46.00	744.34	744.36
J	3133+92.23	46.00	744.27	744.29
K	3134+02.23	46.00	744.19	744.22
L	3134+12.23	46.00	744.10	744.13
CL Brg. N. Abut.	3134+19.14	46.00	744.04	744.06
Bk. N. Abut.	3134+21.23	46.00	744.02	744.04

BEAM 10

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted for DL Deflection & Grinding
Bk. S. Abut.	3132+57.89	40.00	744.94	744.96
CL Brg. S. Abut.	3132+59.99	40.00	744.94	744.96
A	3132+69.99	40.00	744.93	744.96
B	3132+79.99	40.00	744.92	744.95
C	3132+89.99	40.00	744.90	744.92
CL Brg. Pier 1	3132+98.39	40.00	744.87	744.90
D	3133+08.39	40.00	744.84	744.87
E	3133+18.39	40.00	744.81	744.84
F	3133+28.39	40.00	744.77	744.79
CL Brg. Pier 2	3133+39.64	40.00	744.72	744.74
G	3133+49.64	40.00	744.67	744.69
H	3133+59.64	40.00	744.61	744.64
I	3133+69.64	40.00	744.55	744.57
CL Brg. Pier 3	3133+80.89	40.00	744.47	744.49
J	3133+90.89	40.00	744.40	744.42
K	3134+00.89	40.00	744.32	744.35
L	3134+10.89	40.00	744.23	744.26
CL Brg. N. Abut.	3134+17.80	40.00	744.17	744.19
Bk. N. Abut.	3134+19.89	40.00	744.15	744.17

BEAM 11

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted for DL Deflection & Grinding
Bk. S. Abut.	3132+56.56	34.00	745.06	745.08
CL Brg. S. Abut.	3132+58.65	34.00	745.06	745.08
A	3132+68.65	34.00	745.05	745.08
B	3132+78.65	34.00	745.04	745.07
C	3132+88.65	34.00	745.02	745.05
CL Brg. Pier 1	3132+97.05	34.00	745.00	745.02
D	3133+07.05	34.00	744.97	744.99
E	3133+17.05	34.00	744.93	744.96
F	3133+27.05	34.00	744.89	744.92
CL Brg. Pier 2	3133+38.30	34.00	744.84	744.86
G	3133+48.30	34.00	744.79	744.82
H	3133+58.30	34.00	744.74	744.76
I	3133+68.30	34.00	744.67	744.70
CL Brg. Pier 3	3133+79.55	34.00	744.60	744.62
J	3133+89.55	34.00	744.53	744.55
K	3133+99.55	34.00	744.45	744.48
L	3134+09.55	34.00	744.36	744.39
CL Brg. N. Abut.	3134+16.46	34.00	744.30	744.33
Bk. N. Abut.	3134+18.55	34.00	744.29	744.31

BEAM 12

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted for DL Deflection & Grinding
Bk. S. Abut.	3132+55.22	28.00	745.18	745.20
CL Brg. S. Abut.	3132+57.31	28.00	745.18	745.20
A	3132+67.31	28.00	745.17	745.21
B	3132+77.31	28.00	745.16	745.19
C	3132+87.31	28.00	745.14	745.17
CL Brg. Pier 1	3132+95.72	28.00	745.12	745.14
D	3133+05.72	28.00	745.09	745.12
E	3133+15.72	28.00	745.06	745.09
F	3133+25.72	28.00	745.02	745.05
CL Brg. Pier 2	3133+36.97	28.00	744.97	744.99
G	3133+46.97	28.00	744.92	744.94
H	3133+56.97	28.00	744.86	744.89
I	3133+66.97	28.00	744.80	744.83
CL Brg. Pier 3	3133+78.22	28.00	744.73	744.75
J	3133+88.22	28.00	744.66	744.68
K	3133+98.22	28.00	744.58	744.61
L	3134+08.22	28.00	744.50	744.53
CL Brg. N. Abut.	3134+15.12	28.00	744.44	744.46
Bk. N. Abut.	3134+17.21	28.00	744.42	744.44

STAGE II/III CONST. JT.

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted for DL Deflection & Grinding
Bk. S. Abut.	3132+54.77	26.00	745.22	745.24
CL Brg. S. Abut.	3132+56.86	26.00	745.22	745.24
A	3132+66.86	26.00	745.21	745.25
B	3132+76.86	26.00	745.20	745.24
C	3132+86.86	26.00	745.18	745.21
CL Brg. Pier 1	3132+95.27	26.00	745.16	745.18
D	3133+05.27	26.00	745.13	745.16
E	3133+15.27	26.00	745.10	745.13
F	3133+25.27	26.00	745.06	745.09
CL Brg. Pier 2	3133+36.52	26.00	745.01	745.03
G	3133+46.52	26.00	744.96	744.99
H	3133+56.52	26.00	744.91	744.93
I	3133+66.52	26.00	744.85	744.87
CL Brg. Pier 3	3133+77.77	26.00	744.77	744.79
J	3133+87.77	26.00	744.70	744.73
K	3133+97.77	26.00	744.62	744.66
L	3134+07.77	26.00	744.54	744.57
CL Brg. N. Abut.	3134+14.68	26.00	744.48	744.50
Bk. N. Abut.	3134+16.77	26.00	744.46	744.48

BEAM 13

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted for DL Deflection & Grinding
Bk. S. Abut.	3132+53.88	22.00	745.22	745.24
CL Brg. S. Abut.	3132+55.97	22.00	745.22	745.24
A	3132+65.97	22.00	745.22	745.25
B	3132+75.97	22.00	745.20	745.24
C	3132+85.97	22.00	745.18	745.21
CL Brg. Pier 1	3132+94.38	22.00	745.16	745.19
D	3133+04.38	22.00	745.14	745.16
E	3133+14.38	22.00	745.10	745.13
F	3133+24.38	22.00	745.07	745.09
CL Brg. Pier 2	3133+35.63	22.00	745.02	745.04
G	3133+45.63	22.00	744.97	744.99
H	3133+55.63	22.00	744.91	744.94
I	3133+65.63	22.00	744.85	744.88
CL Brg. Pier 3	3133+76.88	22.00	744.78	744.80
J	3133+86.88	22.00	744.71	744.73
K	3133+96.88	22.00	744.63	744.66
L	3134+06.88	22.00	744.55	744.58
CL Brg. N. Abut.	3134+13.78	22.00	744.49	744.51
Bk. N. Abut.	3134+15.87	22.00	744.47	744.49

MODEL: Default
FILE NAME: S:\JULI\6300-6399\6346\113\Drawings\CAD\Micro-55\CAD_Sheets\01603782133-C2-010-TSE3-SAL.dgn

SA STRAND ASSOCIATES
1170 SOUTH HOUBOLT ROAD
JOLIET, ILLINOIS 60431
(815) 744-4200
IDFPR NO. 184-001273

USER NAME = CodyH	DESIGNED - JAS	REVISED -
PLOT SCALE = 0:2.0000 "/ in.	CHECKED - NDR	REVISED -
PLOT DATE = 2/11/2025	DRAWN - CJH	REVISED -
	CHECKED - TJE	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**TOP OF DECK SLAB ELEVATION (3 OF 10)
STRUCTURE NO. 016-0378 (NB) AND 016-2133 (SB)**

SHEET 10 OF 80 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
342	2018-100-BR	COOK	1351	757
CONTRACT NO. 62N91				

ILLINOIS FED. AID PROJECT

BEAM 14

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted for DL Deflection & Grinding
Bk. S. Abut.	3132+52.54	16.00	745.10	745.13
CL Brg. S. Abut.	3132+54.63	16.00	745.10	745.12
A	3132+64.63	16.00	745.10	745.13
B	3132+74.63	16.00	745.08	745.12
C	3132+84.63	16.00	745.07	745.09
CL Brg. Pier 1	3132+93.04	16.00	745.05	745.07
D	3133+03.04	16.00	745.02	745.05
E	3133+13.04	16.00	744.99	745.02
F	3133+23.04	16.00	744.95	744.98
CL Brg. Pier 2	3133+34.29	16.00	744.90	744.92
G	3133+44.29	16.00	744.85	744.88
H	3133+54.29	16.00	744.80	744.83
I	3133+64.29	16.00	744.74	744.76
CL Brg. Pier 3	3133+75.54	16.00	744.67	744.69
J	3133+85.54	16.00	744.60	744.62
K	3133+95.54	16.00	744.52	744.55
L	3134+05.54	16.00	744.44	744.47
CL Brg. N. Abut.	3134+12.44	16.00	744.38	744.40
Bk. N. Abut.	3134+14.54	16.00	744.36	744.38

BEAM 15

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted for DL Deflection & Grinding
Bk. S. Abut.	3132+51.20	10.00	744.98	745.01
CL Brg. S. Abut.	3132+53.29	10.00	744.98	745.00
A	3132+63.29	10.00	744.98	745.01
B	3132+73.29	10.00	744.97	745.00
C	3132+83.29	10.00	744.95	744.98
CL Brg. Pier 1	3132+91.70	10.00	744.93	744.95
D	3133+01.70	10.00	744.91	744.93
E	3133+11.70	10.00	744.87	744.90
F	3133+21.70	10.00	744.84	744.86
CL Brg. Pier 2	3133+32.95	10.00	744.79	744.81
G	3133+42.95	10.00	744.74	744.77
H	3133+52.95	10.00	744.69	744.72
I	3133+62.95	10.00	744.63	744.65
CL Brg. Pier 3	3133+74.20	10.00	744.56	744.58
J	3133+84.20	10.00	744.49	744.51
K	3133+94.20	10.00	744.41	744.44
L	3134+04.20	10.00	744.33	744.36
CL Brg. N. Abut.	3134+11.11	10.00	744.27	744.29
Bk. N. Abut.	3134+13.20	10.00	744.25	744.27

BEAM 16

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted for DL Deflection & Grinding
Bk. S. Abut.	3132+49.86	4.00	744.86	744.89
CL Brg. S. Abut.	3132+51.95	4.00	744.86	744.89
A	3132+61.95	4.00	744.86	744.89
B	3132+71.95	4.00	744.85	744.88
C	3132+81.95	4.00	744.83	744.86
CL Brg. Pier 1	3132+90.36	4.00	744.81	744.84
D	3133+00.36	4.00	744.79	744.81
E	3133+10.36	4.00	744.76	744.79
F	3133+20.36	4.00	744.72	744.75
CL Brg. Pier 2	3133+31.61	4.00	744.67	744.70
G	3133+41.61	4.00	744.63	744.65
H	3133+51.61	4.00	744.57	744.60
I	3133+61.61	4.00	744.52	744.54
CL Brg. Pier 3	3133+72.86	4.00	744.44	744.47
J	3133+82.86	4.00	744.38	744.40
K	3133+92.86	4.00	744.30	744.33
L	3134+02.86	4.00	744.22	744.25
CL Brg. N. Abut.	3134+09.77	4.00	744.16	744.18
Bk. N. Abut.	3134+11.86	4.00	744.15	744.17

SB PG

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted for DL Deflection & Grinding
Bk. S. Abut.	3132+48.97	0.00	744.79	744.81
CL Brg. S. Abut.	3132+51.06	0.00	744.78	744.81
A	3132+61.06	0.00	744.78	744.81
B	3132+71.06	0.00	744.77	744.80
C	3132+81.06	0.00	744.75	744.78
CL Brg. Pier 1	3132+89.47	0.00	744.74	744.76
D	3132+99.47	0.00	744.71	744.74
E	3133+09.47	0.00	744.68	744.71
F	3133+19.47	0.00	744.65	744.67
CL Brg. Pier 2	3133+30.72	0.00	744.60	744.62
G	3133+40.72	0.00	744.55	744.58
H	3133+50.72	0.00	744.50	744.53
I	3133+60.72	0.00	744.44	744.47
CL Brg. Pier 3	3133+71.97	0.00	744.37	744.39
J	3133+81.97	0.00	744.30	744.33
K	3133+91.97	0.00	744.23	744.26
L	3134+01.97	0.00	744.15	744.18
CL Brg. N. Abut.	3134+08.87	0.00	744.09	744.11
Bk. N. Abut.	3134+10.97	0.00	744.07	744.09

BEAM 17

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted for DL Deflection & Grinding
Bk. S. Abut.	3132+48.52	-2.00	744.75	744.77
CL Brg. S. Abut.	3132+50.62	-2.00	744.74	744.77
A	3132+60.62	-2.00	744.74	744.77
B	3132+70.62	-2.00	744.73	744.76
C	3132+80.62	-2.00	744.71	744.74
CL Brg. Pier 1	3132+89.02	-2.00	744.70	744.72
D	3132+99.02	-2.00	744.67	744.70
E	3133+09.02	-2.00	744.64	744.67
F	3133+19.02	-2.00	744.61	744.63
CL Brg. Pier 2	3133+30.27	-2.00	744.56	744.58
G	3133+40.27	-2.00	744.51	744.54
H	3133+50.27	-2.00	744.46	744.49
I	3133+60.27	-2.00	744.40	744.43
CL Brg. Pier 3	3133+71.52	-2.00	744.33	744.35
J	3133+81.52	-2.00	744.27	744.29
K	3133+91.52	-2.00	744.19	744.22
L	3134+01.52	-2.00	744.11	744.14
CL Brg. N. Abut.	3134+08.43	-2.00	744.05	744.08
Bk. N. Abut.	3134+10.52	-2.00	744.04	744.06

STAGE III/IV CONST. JT.

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted for DL Deflection & Grinding
Bk. S. Abut.	3132+47.85	-5.00	744.69	744.71
CL Brg. S. Abut.	3132+49.95	-5.00	744.68	744.71
A	3132+59.95	-5.00	744.68	744.71
B	3132+69.95	-5.00	744.67	744.70
C	3132+79.95	-5.00	744.66	744.68
CL Brg. Pier 1	3132+88.35	-5.00	744.64	744.66
D	3132+98.35	-5.00	744.61	744.64
E	3133+08.35	-5.00	744.58	744.61
F	3133+18.35	-5.00	744.55	744.57
CL Brg. Pier 2	3133+29.60	-5.00	744.50	744.52
G	3133+39.60	-5.00	744.46	744.48
H	3133+49.60	-5.00	744.41	744.43
I	3133+59.60	-5.00	744.35	744.37
CL Brg. Pier 3	3133+70.85	-5.00	744.28	744.30
J	3133+80.85	-5.00	744.21	744.24
K	3133+90.85	-5.00	744.14	744.17
L	3134+00.85	-5.00	744.06	744.09
CL Brg. N. Abut.	3134+07.76	-5.00	744.00	744.02
Bk. N. Abut.	3134+09.85	-5.00	743.98	744.00

MODEL: Default
 FILE NAME: S:\JOL\6300-6399\6346\113\Drawings\CAD\Micro-55\CAD_Sheets\01603782133-C2-011-TSE4-SAL.dgn
 2/11/2025 1:56:41 PM



1170 SOUTH HOUBOLT ROAD JOLIET, ILLINOIS 60431 (815) 744-4200 IDFPR NO. 184-001273	USER NAME = CodyH	DESIGNED - JAS	REVISED -
	PLOT SCALE = 0:2.0000 "/> <td>CHECKED - NDR</td> <td>REVISED -</td>	CHECKED - NDR	REVISED -
	PLOT DATE = 2/11/2025	DRAWN - CJH	REVISED -
		CHECKED - TJE	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**TOP OF DECK SLAB ELEVATION (4 OF 10)
 STRUCTURE NO. 016-0378 (NB) AND 016-2133 (SB)**

F.A.P. RTE. 342	SECTION 2018-100-BR	COUNTY COOK	TOTAL SHEETS 1351	SHEET NO. 758
CONTRACT NO. 62N91				
ILLINOIS FED. AID PROJECT				

BEAM 18

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted for DL Deflection & Grinding
Bk. S. Abut.	3132+47.19	-8.00	744.63	744.65
CL Brg. S. Abut.	3132+49.28	-8.00	744.63	744.65
A	3132+59.28	-8.00	744.62	744.65
B	3132+69.28	-8.00	744.61	744.65
C	3132+79.28	-8.00	744.60	744.62
CL Brg. Pier 1	3132+87.68	-8.00	744.58	744.60
D	3132+97.68	-8.00	744.56	744.58
E	3133+07.68	-8.00	744.53	744.55
F	3133+17.68	-8.00	744.49	744.52
CL Brg. Pier 2	3133+28.93	-8.00	744.45	744.47
G	3133+38.93	-8.00	744.40	744.43
H	3133+48.93	-8.00	744.35	744.38
I	3133+58.93	-8.00	744.29	744.32
CL Brg. Pier 3	3133+70.18	-8.00	744.22	744.24
J	3133+80.18	-8.00	744.15	744.18
K	3133+90.18	-8.00	744.08	744.11
L	3134+00.18	-8.00	744.00	744.03
CL Brg. N. Abut.	3134+07.09	-8.00	743.95	743.97
Bk. N. Abut.	3134+09.18	-8.00	743.93	743.95

BEAM 19

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted for DL Deflection & Grinding
Bk. S. Abut.	3132+45.85	-14.00	744.51	744.53
CL Brg. S. Abut.	3132+47.94	-14.00	744.51	744.53
A	3132+57.94	-14.00	744.50	744.53
B	3132+67.94	-14.00	744.49	744.53
C	3132+77.94	-14.00	744.48	744.51
CL Brg. Pier 1	3132+86.34	-14.00	744.46	744.48
D	3132+96.34	-14.00	744.44	744.46
E	3133+06.34	-14.00	744.41	744.44
F	3133+16.34	-14.00	744.38	744.40
CL Brg. Pier 2	3133+27.59	-14.00	744.33	744.35
G	3133+37.59	-14.00	744.29	744.31
H	3133+47.59	-14.00	744.24	744.26
I	3133+57.59	-14.00	744.18	744.21
CL Brg. Pier 3	3133+68.84	-14.00	744.11	744.13
J	3133+78.84	-14.00	744.04	744.07
K	3133+88.84	-14.00	743.97	744.00
L	3133+98.84	-14.00	743.89	743.92
CL Brg. N. Abut.	3134+05.75	-14.00	743.84	743.86
Bk. N. Abut.	3134+07.84	-14.00	743.82	743.84

BEAM 20

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted for DL Deflection & Grinding
Bk. S. Abut.	3132+44.51	-20.00	744.39	744.41
CL Brg. S. Abut.	3132+46.60	-20.00	744.39	744.41
A	3132+56.60	-20.00	744.38	744.41
B	3132+66.60	-20.00	744.37	744.41
C	3132+76.60	-20.00	744.36	744.39
CL Brg. Pier 1	3132+85.01	-20.00	744.35	744.37
D	3132+95.01	-20.00	744.32	744.35
E	3133+05.01	-20.00	744.30	744.32
F	3133+15.01	-20.00	744.26	744.29
CL Brg. Pier 2	3133+26.26	-20.00	744.22	744.24
G	3133+36.26	-20.00	744.17	744.20
H	3133+46.26	-20.00	744.12	744.15
I	3133+56.26	-20.00	744.07	744.09
CL Brg. Pier 3	3133+67.51	-20.00	744.00	744.02
J	3133+77.51	-20.00	743.93	743.96
K	3133+87.51	-20.00	743.86	743.89
L	3133+97.51	-20.00	743.78	743.81
CL Brg. N. Abut.	3134+04.41	-20.00	743.73	743.75
Bk. N. Abut.	3134+06.50	-20.00	743.71	743.73

BEAM 21

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted for DL Deflection & Grinding
Bk. S. Abut.	3132+43.17	-26.00	744.26	744.29
CL Brg. S. Abut.	3132+45.26	-26.00	744.27	744.29
A	3132+55.26	-26.00	744.26	744.30
B	3132+65.26	-26.00	744.26	744.29
C	3132+75.26	-26.00	744.24	744.27
CL Brg. Pier 1	3132+83.67	-26.00	744.23	744.25
D	3132+93.67	-26.00	744.21	744.23
E	3133+03.67	-26.00	744.18	744.21
F	3133+13.67	-26.00	744.15	744.17
CL Brg. Pier 2	3133+24.92	-26.00	744.10	744.12
G	3133+34.92	-26.00	744.06	744.08
H	3133+44.92	-26.00	744.01	744.04
I	3133+54.92	-26.00	743.96	743.98
CL Brg. Pier 3	3133+66.17	-26.00	743.89	743.91
J	3133+76.17	-26.00	743.82	743.85
K	3133+86.17	-26.00	743.75	743.78
L	3133+96.17	-26.00	743.68	743.70
CL Brg. N. Abut.	3134+03.07	-26.00	743.62	743.64
Bk. N. Abut.	3134+05.17	-26.00	743.60	743.62

BEAM 22

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted for DL Deflection & Grinding
Bk. S. Abut.	3132+41.83	-32.00	744.14	744.17
CL Brg. S. Abut.	3132+43.92	-32.00	744.15	744.17
A	3132+53.92	-32.00	744.14	744.18
B	3132+63.92	-32.00	744.14	744.17
C	3132+73.92	-32.00	744.13	744.15
CL Brg. Pier 1	3132+82.33	-32.00	744.11	744.13
D	3132+92.33	-32.00	744.09	744.11
E	3133+02.33	-32.00	744.06	744.09
F	3133+12.33	-32.00	744.03	744.06
CL Brg. Pier 2	3133+23.58	-32.00	743.99	744.01
G	3133+33.58	-32.00	743.95	743.97
H	3133+43.58	-32.00	743.90	743.93
I	3133+53.58	-32.00	743.84	743.87
CL Brg. Pier 3	3133+64.83	-32.00	743.78	743.80
J	3133+74.83	-32.00	743.71	743.74
K	3133+84.83	-32.00	743.64	743.67
L	3133+94.83	-32.00	743.57	743.59
CL Brg. N. Abut.	3134+01.73	-32.00	743.51	743.53
Bk. N. Abut.	3134+03.83	-32.00	743.49	743.51

MODEL: Default
FILE NAME: S:\JULI\6300-6399\6346\113\Drawings\CAD\Micro-55A\CAD_Sheets\01603782133-C2-012-TSE5-SAL.dgn
2/11/2025 1:56:56 PM



USER NAME = CodyH	DESIGNED - JAS	REVISED -
PLOT SCALE = 0:2.0000" = 1/16"	CHECKED - NDR	REVISED -
PLOT DATE = 2/11/2025	DRAWN - CJH	REVISED -
	CHECKED - TJE	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**TOP OF DECK SLAB ELEVATION (5 OF 10)
STRUCTURE NO. 016-0378 (NB) AND 016-2133 (SB)**

F.A.P. RTE. 342	SECTION 2018-100-BR	COUNTY COOK	TOTAL SHEETS 1351	SHEET NO. 759
CONTRACT NO. 62N91				
ILLINOIS FED. AID PROJECT				

BEAM 23

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted for DL Deflection & Grinding
Bk. S. Abut.	2132+39.26	32.50	744.10	744.12
CL Brg. S. Abut.	2132+41.36	32.50	744.10	744.12
A	2132+51.36	32.50	744.10	744.13
B	2132+61.36	32.50	744.09	744.12
C	2132+71.36	32.50	744.08	744.10
CL Brg. Pier 1	2132+79.76	32.50	744.06	744.08
D	2132+89.76	32.50	744.03	744.06
E	2132+99.76	32.50	744.00	744.03
F	2133+09.76	32.50	743.96	743.99
CL Brg. Pier 2	2133+21.01	32.50	743.91	743.93
G	2133+31.01	32.50	743.86	743.88
H	2133+41.01	32.50	743.80	743.83
I	2133+51.01	32.50	743.73	743.76
CL Brg. Pier 3	2133+62.26	32.50	743.65	743.67
J	2133+72.26	32.50	743.57	743.60
K	2133+82.26	32.50	743.49	743.52
L	2133+92.26	32.50	743.39	743.42
CL Brg. N. Abut.	2133+99.17	32.50	743.33	743.35
Bk. N. Abut.	2134+01.26	32.50	743.31	743.33

BEAM 24

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted for DL Deflection & Grinding
Bk. S. Abut.	2132+37.89	26.33	744.22	744.24
CL Brg. S. Abut.	2132+39.98	26.33	744.22	744.24
A	2132+49.98	26.33	744.22	744.25
B	2132+59.98	26.33	744.22	744.25
C	2132+69.98	26.33	744.20	744.23
CL Brg. Pier 1	2132+78.39	26.33	744.19	744.21
D	2132+88.39	26.33	744.16	744.19
E	2132+98.39	26.33	744.13	744.16
F	2133+08.39	26.33	744.09	744.12
CL Brg. Pier 2	2133+19.64	26.33	744.04	744.06
G	2133+29.64	26.33	743.99	744.02
H	2133+39.64	26.33	743.93	743.96
I	2133+49.64	26.33	743.87	743.89
CL Brg. Pier 3	2133+60.89	26.33	743.79	743.81
J	2133+70.89	26.33	743.71	743.74
K	2133+80.89	26.33	743.62	743.66
L	2133+90.89	26.33	743.53	743.56
CL Brg. N. Abut.	2133+97.79	26.33	743.46	743.48
Bk. N. Abut.	2133+99.89	26.33	743.44	743.46

BEAM 25

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted for DL Deflection & Grinding
Bk. S. Abut.	2132+36.51	20.17	744.34	744.36
CL Brg. S. Abut.	2132+38.60	20.17	744.34	744.37
A	2132+48.60	20.17	744.35	744.38
B	2132+58.60	20.17	744.34	744.37
C	2132+68.60	20.17	744.33	744.36
CL Brg. Pier 1	2132+77.01	20.17	744.31	744.33
D	2132+87.01	20.17	744.29	744.31
E	2132+97.01	20.17	744.26	744.28
F	2133+07.01	20.17	744.22	744.25
CL Brg. Pier 2	2133+18.26	20.17	744.17	744.19
G	2133+28.26	20.17	744.12	744.15
H	2133+38.26	20.17	744.06	744.09
I	2133+48.26	20.17	744.00	744.02
CL Brg. Pier 3	2133+59.51	20.17	743.92	743.94
J	2133+69.51	20.17	743.84	743.87
K	2133+79.51	20.17	743.76	743.79
L	2133+89.51	20.17	743.67	743.70
CL Brg. N. Abut.	2133+96.42	20.17	743.60	743.62
Bk. N. Abut.	2133+98.51	20.17	743.58	743.60

BEAM 26

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted for DL Deflection & Grinding
Bk. S. Abut.	2132+35.14	14.00	744.47	744.49
CL Brg. S. Abut.	2132+37.23	14.00	744.47	744.49
A	2132+47.23	14.00	744.47	744.50
B	2132+57.23	14.00	744.46	744.50
C	2132+67.23	14.00	744.45	744.48
CL Brg. Pier 1	2132+75.64	14.00	744.44	744.46
D	2132+85.64	14.00	744.42	744.44
E	2132+95.64	14.00	744.39	744.41
F	2133+05.64	14.00	744.35	744.38
CL Brg. Pier 2	2133+16.89	14.00	744.30	744.32
G	2133+26.89	14.00	744.25	744.28
H	2133+36.89	14.00	744.20	744.22
I	2133+46.89	14.00	744.13	744.16
CL Brg. Pier 3	2133+58.14	14.00	744.05	744.07
J	2133+68.14	14.00	743.98	744.00
K	2133+78.14	14.00	743.89	743.93
L	2133+88.14	14.00	743.80	743.83
CL Brg. N. Abut.	2133+95.04	14.00	743.74	743.76
Bk. N. Abut.	2133+97.13	14.00	743.72	743.74

BEAM 27

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted for DL Deflection & Grinding
Bk. S. Abut.	2132+33.76	7.83	744.59	744.61
CL Brg. S. Abut.	2132+35.85	7.83	744.59	744.61
A	2132+45.85	7.83	744.59	744.62
B	2132+55.85	7.83	744.59	744.62
C	2132+65.85	7.83	744.58	744.61
CL Brg. Pier 1	2132+74.26	7.83	744.57	744.59
D	2132+84.26	7.83	744.54	744.57
E	2132+94.26	7.83	744.51	744.54
F	2133+04.26	7.83	744.48	744.50
CL Brg. Pier 2	2133+15.51	7.83	744.43	744.45
G	2133+25.51	7.83	744.38	744.41
H	2133+35.51	7.83	744.33	744.35
I	2133+45.51	7.83	744.26	744.29
CL Brg. Pier 3	2133+56.76	7.83	744.19	744.21
J	2133+66.76	7.83	744.11	744.14
K	2133+76.76	7.83	744.03	744.06
L	2133+86.76	7.83	743.94	743.97
CL Brg. N. Abut.	2133+93.67	7.83	743.87	743.90
Bk. N. Abut.	2133+95.76	7.83	743.85	743.88

STAGE III/IV CONST. JT.

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted for DL Deflection & Grinding
Bk. S. Abut.	2132+33.05	4.67	744.65	744.67
CL Brg. S. Abut.	2132+35.15	4.67	744.65	744.67
A	2132+45.15	4.67	744.66	744.69
B	2132+55.15	4.67	744.65	744.69
C	2132+65.15	4.67	744.64	744.67
CL Brg. Pier 1	2132+73.55	4.67	744.63	744.65
D	2132+83.55	4.67	744.61	744.63
E	2132+93.55	4.67	744.58	744.61
F	2133+03.55	4.67	744.54	744.57
CL Brg. Pier 2	2133+14.80	4.67	744.50	744.52
G	2133+24.80	4.67	744.45	744.47
H	2133+34.80	4.67	744.39	744.42
I	2133+44.80	4.67	744.33	744.36
CL Brg. Pier 3	2133+56.05	4.67	744.26	744.28
J	2133+66.05	4.67	744.18	744.21
K	2133+76.05	4.67	744.10	744.13
L	2133+86.05	4.67	744.01	744.04
CL Brg. N. Abut.	2133+92.96	4.67	743.94	743.97
Bk. N. Abut.	2133+95.05	4.67	743.92	743.95

MODEL: Default
FILE NAME: S:\JULI6300-6399\6346\113\Drawings\CAD\Micro-55\CAD_Sheets\01603782133-C2-013-TSE6-SAL.dgn
2/11/2025 1:57:14 PM



1170 SOUTH HOUBOLT ROAD JOLIET, ILLINOIS 60431 (815) 744-4200 IDFPR NO. 184-001273	USER NAME = CodyH	DESIGNED - JAS	REVISED -
	PLOT SCALE = 0:2.0000 " = 1/8" IN.	CHECKED - NDR	REVISED -
	PLOT DATE = 2/11/2025	DRAWN - CJH	REVISED -
		CHECKED - TJE	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TOP OF DECK SLAB ELEVATION (6 OF 10)
STRUCTURE NO. 016-0378 (NB) AND 016-2133 (SB)

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
342	2018-100-BR	COOK	1351	760
CONTRACT NO. 62N91				
ILLINOIS FED. AID PROJECT				

BEAM 28

Table with 5 columns: Location, Station, Offset, Theoretical Grade Elevations, Theoretical Grade Elevations Adjusted for DL Deflection & Grinding. Rows include Bk. S. Abut., CL Brg. S. Abut., A, B, C, CL Brg. Pier 1, D, E, F, CL Brg. Pier 2, G, H, I, CL Brg. Pier 3, J, K, L, CL Brg. N. Abut., Bk. N. Abut.

NB PG

Table with 5 columns: Location, Station, Offset, Theoretical Grade Elevations, Theoretical Grade Elevations Adjusted for DL Deflection & Grinding. Rows include Bk. S. Abut., CL Brg. S. Abut., A, B, C, CL Brg. Pier 1, D, E, F, CL Brg. Pier 2, G, H, I, CL Brg. Pier 3, J, K, L, CL Brg. N. Abut., Bk. N. Abut.

BEAM 29

Table with 5 columns: Location, Station, Offset, Theoretical Grade Elevations, Theoretical Grade Elevations Adjusted for DL Deflection & Grinding. Rows include Bk. S. Abut., CL Brg. S. Abut., A, B, C, CL Brg. Pier 1, D, E, F, CL Brg. Pier 2, G, H, I, CL Brg. Pier 3, J, K, L, CL Brg. N. Abut., Bk. N. Abut.

BEAM 30

Table with 5 columns: Location, Station, Offset, Theoretical Grade Elevations, Theoretical Grade Elevations Adjusted for DL Deflection & Grinding. Rows include Bk. S. Abut., CL Brg. S. Abut., A, B, C, CL Brg. Pier 1, D, E, F, CL Brg. Pier 2, G, H, I, CL Brg. Pier 3, J, K, L, CL Brg. N. Abut., Bk. N. Abut.

BEAM 31

Table with 5 columns: Location, Station, Offset, Theoretical Grade Elevations, Theoretical Grade Elevations Adjusted for DL Deflection & Grinding. Rows include Bk. S. Abut., CL Brg. S. Abut., A, B, C, CL Brg. Pier 1, D, E, F, CL Brg. Pier 2, G, H, I, CL Brg. Pier 3, J, K, L, CL Brg. N. Abut., Bk. N. Abut.

BEAM 32

Table with 5 columns: Location, Station, Offset, Theoretical Grade Elevations, Theoretical Grade Elevations Adjusted for DL Deflection & Grinding. Rows include Bk. S. Abut., CL Brg. S. Abut., A, B, C, CL Brg. Pier 1, D, E, F, CL Brg. Pier 2, G, H, I, CL Brg. Pier 3, J, K, L, CL Brg. N. Abut., Bk. N. Abut.

MODEL: Default
FILE NAME: S:\JOL\6300-6399\6346\113\Drawings\CAD\Micro-55A\CAD_Sheets\01603782133-C2-014-TSE7-SAL.dgn
2/11/2025 1:57:32 PM



Metadata table with columns: USER NAME, DESIGNED, CHECKED, PLOT SCALE, PLOT DATE, REVISED, DRAWN, CHECKED.

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TOP OF DECK SLAB ELEVATION (7 OF 10)
STRUCTURE NO. 016-0378 (NB) AND 016-2133 (SB)

Table with columns: F.A.P. RTE., SECTION, COUNTY, TOTAL SHEETS, SHEET NO., CONTRACT NO.

STAGE II/III CONST. JT.

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted for DL Deflection & Grinding
Bk. S. Abut.	2132+26.21	-26.00	745.18	745.20
CL Brg. S. Abut.	2132+28.30	-26.00	745.18	745.20
A	2132+38.30	-26.00	745.19	745.22
B	2132+48.30	-26.00	745.19	745.22
C	2132+58.30	-26.00	745.18	745.21
CL Brg. Pier 1	2132+66.71	-26.00	745.17	745.20
D	2132+76.71	-26.00	745.16	745.18
E	2132+86.71	-26.00	745.13	745.16
F	2132+96.71	-26.00	745.10	745.13
CL Brg. Pier 2	2133+07.96	-26.00	745.06	745.08
G	2133+17.96	-26.00	745.02	745.04
H	2133+27.96	-26.00	744.97	744.99
I	2133+37.96	-26.00	744.91	744.93
CL Brg. Pier 3	2133+49.21	-26.00	744.84	744.86
J	2133+59.21	-26.00	744.77	744.79
K	2133+69.21	-26.00	744.69	744.72
L	2133+79.21	-26.00	744.60	744.63
CL Brg. N. Abut.	2133+86.12	-26.00	744.54	744.56
Bk. N. Abut.	2133+88.21	-26.00	744.52	744.54

BEAM 33

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted for DL Deflection & Grinding
Bk. S. Abut.	2132+25.51	-29.17	745.11	745.13
CL Brg. S. Abut.	2132+27.60	-29.17	745.12	745.14
A	2132+37.60	-29.17	745.12	745.16
B	2132+47.60	-29.17	745.13	745.16
C	2132+57.60	-29.17	745.12	745.15
CL Brg. Pier 1	2132+66.00	-29.17	745.11	745.13
D	2132+76.00	-29.17	745.09	745.12
E	2132+86.00	-29.17	745.07	745.10
F	2132+96.00	-29.17	745.04	745.07
CL Brg. Pier 2	2133+07.25	-29.17	745.00	745.02
G	2133+17.25	-29.17	744.96	744.98
H	2133+27.25	-29.17	744.91	744.93
I	2133+37.25	-29.17	744.85	744.87
CL Brg. Pier 3	2133+48.50	-29.17	744.78	744.80
J	2133+58.50	-29.17	744.71	744.74
K	2133+68.50	-29.17	744.63	744.66
L	2133+78.50	-29.17	744.55	744.58
CL Brg. N. Abut.	2133+85.41	-29.17	744.49	744.51
Bk. N. Abut.	2133+87.50	-29.17	744.47	744.49

BEAM 34

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted for DL Deflection & Grinding
Bk. S. Abut.	2132+24.13	-35.33	744.99	745.01
CL Brg. S. Abut.	2132+26.22	-35.33	744.99	745.01
A	2132+36.22	-35.33	745.00	745.03
B	2132+46.22	-35.33	745.00	745.04
C	2132+56.22	-35.33	745.00	745.03
CL Brg. Pier 1	2132+64.63	-35.33	744.99	745.01
D	2132+74.63	-35.33	744.97	745.00
E	2132+84.63	-35.33	744.95	744.98
F	2132+94.63	-35.33	744.92	744.95
CL Brg. Pier 2	2133+05.88	-35.33	744.88	744.90
G	2133+15.88	-35.33	744.84	744.86
H	2133+25.88	-35.33	744.79	744.82
I	2133+35.88	-35.33	744.73	744.76
CL Brg. Pier 3	2133+47.13	-35.33	744.66	744.68
J	2133+57.13	-35.33	744.59	744.62
K	2133+67.13	-35.33	744.52	744.55
L	2133+77.13	-35.33	744.44	744.46
CL Brg. N. Abut.	2133+84.03	-35.33	744.37	744.40
Bk. N. Abut.	2133+86.13	-35.33	744.36	744.38

BEAM 35

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted for DL Deflection & Grinding
Bk. S. Abut.	2132+22.75	-41.50	744.86	744.88
CL Brg. S. Abut.	2132+24.85	-41.50	744.87	744.89
A	2132+34.85	-41.50	744.88	744.91
B	2132+44.85	-41.50	744.88	744.91
C	2132+54.85	-41.50	744.88	744.90
CL Brg. Pier 1	2132+63.25	-41.50	744.87	744.89
D	2132+73.25	-41.50	744.85	744.88
E	2132+83.25	-41.50	744.83	744.86
F	2132+93.25	-41.50	744.80	744.83
CL Brg. Pier 2	2133+04.50	-41.50	744.76	744.79
G	2133+14.50	-41.50	744.72	744.75
H	2133+24.50	-41.50	744.67	744.70
I	2133+34.50	-41.50	744.62	744.64
CL Brg. Pier 3	2133+45.75	-41.50	744.55	744.57
J	2133+55.75	-41.50	744.48	744.51
K	2133+65.75	-41.50	744.41	744.44
L	2133+75.75	-41.50	744.32	744.35
CL Brg. N. Abut.	2133+82.66	-41.50	744.26	744.28
Bk. N. Abut.	2133+84.75	-41.50	744.24	744.27

BEAM 36

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted for DL Deflection & Grinding
Bk. S. Abut.	2132+21.38	-47.67	744.74	744.76
CL Brg. S. Abut.	2132+23.47	-47.67	744.74	744.76
A	2132+33.47	-47.67	744.75	744.78
B	2132+43.47	-47.67	744.76	744.79
C	2132+53.47	-47.67	744.75	744.78
CL Brg. Pier 1	2132+61.88	-47.67	744.75	744.77
D	2132+71.88	-47.67	744.73	744.76
E	2132+81.88	-47.67	744.71	744.74
F	2132+91.88	-47.67	744.68	744.71
CL Brg. Pier 2	2133+03.13	-47.67	744.65	744.67
G	2133+13.13	-47.67	744.61	744.63
H	2133+23.13	-47.67	744.56	744.59
I	2133+33.13	-47.67	744.50	744.53
CL Brg. Pier 3	2133+44.38	-47.67	744.44	744.46
J	2133+54.38	-47.67	744.37	744.40
K	2133+64.38	-47.67	744.29	744.33
L	2133+74.38	-47.67	744.21	744.24
CL Brg. N. Abut.	2133+81.28	-47.67	744.15	744.17
Bk. N. Abut.	2133+83.38	-47.67	744.13	744.15

BEAM 37

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted for DL Deflection & Grinding
Bk. S. Abut.	2132+20.00	-53.83	744.61	744.63
CL Brg. S. Abut.	2132+22.09	-53.83	744.62	744.64
A	2132+32.09	-53.83	744.63	744.66
B	2132+42.09	-53.83	744.63	744.67
C	2132+52.09	-53.83	744.63	744.66
CL Brg. Pier 1	2132+60.50	-53.83	744.63	744.65
D	2132+70.50	-53.83	744.61	744.64
E	2132+80.50	-53.83	744.59	744.62
F	2132+90.50	-53.83	744.57	744.59
CL Brg. Pier 2	2133+01.75	-53.83	744.53	744.55
G	2133+11.75	-53.83	744.49	744.51
H	2133+21.75	-53.83	744.44	744.47
I	2133+31.75	-53.83	744.39	744.41
CL Brg. Pier 3	2133+43.00	-53.83	744.32	744.34
J	2133+53.00	-53.83	744.25	744.28
K	2133+63.00	-53.83	744.18	744.21
L	2133+73.00	-53.83	744.10	744.13
CL Brg. N. Abut.	2133+79.91	-53.83	744.04	744.06
Bk. N. Abut.	2133+82.00	-53.83	744.02	744.04

MODEL: Default
 FILE NAME: S:\JULI\6300-6399\6346\113\Drawings\CAD\Micro-55\CAD_Sheets\01603782133-C2-015-TSEB-SAL.dgn
 2/11/2025 1:57:49 PM



1170 SOUTH HOUBOLT ROAD JOLIET, ILLINOIS 60431 (815) 744-4200 IDFPR NO. 184-001273	USER NAME = CodyH	DESIGNED - JAS	REVISED -
	PLOT SCALE = 0:2.0000 "/> <td>CHECKED - NDR</td> <td>REVISED -</td>	CHECKED - NDR	REVISED -
	PLOT DATE = 2/11/2025	DRAWN - CJH	REVISED -
		CHECKED - TJE	REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

TOP OF DECK SLAB ELEVATION (8 OF 10)
 STRUCTURE NO. 016-0378 (NB) AND 016-2133 (SB)

SHEET 15 OF 80 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
342	2018-100-BR	COOK	1351	762
CONTRACT NO. 62N91				
ILLINOIS		FED. AID PROJECT		

STAGE I/II CONST. JT.

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted for DL Deflection & Grinding
Bk. S. Abut.	2132+20.35	-52.29	744.64	744.66
CL Brg. S. Abut.	2132+22.44	-52.29	744.65	744.67
A	2132+32.44	-52.29	744.66	744.69
B	2132+42.44	-52.29	744.66	744.70
C	2132+52.44	-52.29	744.66	744.69
CL Brg. Pier 1	2132+60.85	-52.29	744.66	744.68
D	2132+70.85	-52.29	744.64	744.67
E	2132+80.85	-52.29	744.62	744.65
F	2132+90.85	-52.29	744.60	744.62
CL Brg. Pier 2	2133+02.10	-52.29	744.56	744.58
G	2133+12.10	-52.29	744.52	744.54
H	2133+22.10	-52.29	744.47	744.50
I	2133+32.10	-52.29	744.42	744.44
CL Brg. Pier 3	2133+43.35	-52.29	744.35	744.37
J	2133+53.35	-52.29	744.28	744.31
K	2133+63.35	-52.29	744.21	744.24
L	2133+73.35	-52.29	744.13	744.16
CL Brg. N. Abut.	2133+80.25	-52.29	744.07	744.09
Bk. N. Abut.	2133+82.34	-52.29	744.05	744.07

BEAM 38

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted for DL Deflection & Grinding
Bk. S. Abut.	2132+18.63	-60.00	744.49	744.51
CL Brg. S. Abut.	2132+20.72	-60.00	744.49	744.51
A	2132+30.72	-60.00	744.50	744.53
B	2132+40.72	-60.00	744.51	744.54
C	2132+50.72	-60.00	744.51	744.54
CL Brg. Pier 1	2132+59.13	-60.00	744.50	744.52
D	2132+69.13	-60.00	744.49	744.51
E	2132+79.13	-60.00	744.47	744.50
F	2132+89.13	-60.00	744.45	744.47
CL Brg. Pier 2	2133+00.38	-60.00	744.41	744.43
G	2133+10.38	-60.00	744.37	744.40
H	2133+20.38	-60.00	744.33	744.35
I	2133+30.38	-60.00	744.27	744.30
CL Brg. Pier 3	2133+41.63	-60.00	744.21	744.23
J	2133+51.63	-60.00	744.14	744.17
K	2133+61.63	-60.00	744.07	744.10
L	2133+71.63	-60.00	743.99	744.02
CL Brg. N. Abut.	2133+78.53	-60.00	743.93	743.95
Bk. N. Abut.	2133+80.62	-60.00	743.91	743.93

BEAM 39

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted for DL Deflection & Grinding
Bk. S. Abut.	2132+17.25	-66.17	744.36	744.38
CL Brg. S. Abut.	2132+19.34	-66.17	744.36	744.39
A	2132+29.34	-66.17	744.38	744.41
B	2132+39.34	-66.17	744.39	744.42
C	2132+49.34	-66.17	744.39	744.41
CL Brg. Pier 1	2132+57.75	-66.17	744.38	744.40
D	2132+67.75	-66.17	744.37	744.39
E	2132+77.75	-66.17	744.35	744.38
F	2132+87.75	-66.17	744.33	744.35
CL Brg. Pier 2	2132+99.00	-66.17	744.29	744.31
G	2133+09.00	-66.17	744.25	744.28
H	2133+19.00	-66.17	744.21	744.24
I	2133+29.00	-66.17	744.16	744.18
CL Brg. Pier 3	2133+40.25	-66.17	744.09	744.11
J	2133+50.25	-66.17	744.03	744.05
K	2133+60.25	-66.17	743.95	743.99
L	2133+70.25	-66.17	743.88	743.91
CL Brg. N. Abut.	2133+77.16	-66.17	743.82	743.84
Bk. N. Abut.	2133+79.25	-66.17	743.80	743.82

BEAM 40

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted for DL Deflection & Grinding
Bk. S. Abut.	2132+15.88	-72.33	744.23	744.26
CL Brg. S. Abut.	2132+17.97	-72.33	744.24	744.26
A	2132+27.97	-72.33	744.25	744.29
B	2132+37.97	-72.33	744.26	744.30
C	2132+47.97	-72.33	744.26	744.29
CL Brg. Pier 1	2132+56.37	-72.33	744.26	744.28
D	2132+66.37	-72.33	744.25	744.27
E	2132+76.37	-72.33	744.23	744.26
F	2132+86.37	-72.33	744.21	744.23
CL Brg. Pier 2	2132+97.62	-72.33	744.17	744.19
G	2133+07.62	-72.33	744.14	744.16
H	2133+17.62	-72.33	744.09	744.12
I	2133+27.62	-72.33	744.04	744.07
CL Brg. Pier 3	2133+38.87	-72.33	743.98	744.00
J	2133+48.87	-72.33	743.91	743.94
K	2133+58.87	-72.33	743.84	743.87
L	2133+68.87	-72.33	743.76	743.79
CL Brg. N. Abut.	2133+75.78	-72.33	743.71	743.73
Bk. N. Abut.	2133+77.87	-72.33	743.69	743.71

BEAM 41

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted for DL Deflection & Grinding
Bk. S. Abut.	2132+14.50	-78.50	744.11	744.13
CL Brg. S. Abut.	2132+16.59	-78.50	744.11	744.13
A	2132+26.59	-78.50	744.13	744.16
B	2132+36.59	-78.50	744.14	744.17
C	2132+46.59	-78.50	744.14	744.17
CL Brg. Pier 1	2132+55.00	-78.50	744.14	744.16
D	2132+65.00	-78.50	744.13	744.15
E	2132+75.00	-78.50	744.11	744.14
F	2132+85.00	-78.50	744.09	744.11
CL Brg. Pier 2	2132+96.25	-78.50	744.05	744.08
G	2133+06.25	-78.50	744.02	744.04
H	2133+16.25	-78.50	743.97	744.00
I	2133+26.25	-78.50	743.93	743.95
CL Brg. Pier 3	2133+37.50	-78.50	743.86	743.88
J	2133+47.50	-78.50	743.80	743.83
K	2133+57.50	-78.50	743.73	743.76
L	2133+67.50	-78.50	743.65	743.68
CL Brg. N. Abut.	2133+74.40	-78.50	743.60	743.62
Bk. N. Abut.	2133+76.50	-78.50	743.58	743.60

BEAM 42

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted for DL Deflection & Grinding
Bk. S. Abut.	2132+13.12	-84.70	743.98	744.00
CL Brg. S. Abut.	2132+15.21	-84.69	743.99	744.01
A	2132+25.22	-84.66	744.00	744.04
B	2132+35.22	-84.63	744.01	744.05
C	2132+45.23	-84.60	744.02	744.04
CL Brg. Pier 1	2132+53.64	-84.57	744.02	744.04
D	2132+63.65	-84.54	744.01	744.03
E	2132+73.66	-84.51	743.99	744.02
F	2132+83.66	-84.48	743.97	744.00
CL Brg. Pier 2	2132+94.92	-84.44	743.94	743.96
G	2133+04.93	-84.41	743.90	743.93
H	2133+14.94	-84.38	743.86	743.89
I	2133+24.94	-84.35	743.82	743.84
CL Brg. Pier 3	2133+36.20	-84.31	743.75	743.77
J	2133+46.21	-84.28	743.69	743.72
K	2133+56.22	-84.25	743.62	743.66
L	2133+66.22	-84.22	743.55	743.58
CL Brg. N. Abut.	2133+73.13	-84.19	743.49	743.51
Bk. N. Abut.	2133+75.23	-84.19	743.47	743.50

MODEL: Default
 FILE NAME: S:\JULI\6300-6399\6346\113\Drawings\CAD\Micro-55\CAD_Sheets\01603782133-C2-016-TSE9-SAL.dgn
 2/11/2025 1:58:07 PM

1170 SOUTH HOUBOLT ROAD
 JOLIET, ILLINOIS 60431
 (815) 744-4200
 IDFP# NO. 184-001273

USER NAME = CodyH	DESIGNED - JAS	REVISED -
PLOT SCALE = 0:2.0000 "/in.	CHECKED - NDR	REVISED -
PLOT DATE = 2/11/2025	DRAWN - CJH	REVISED -
	CHECKED - TJE	REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

TOP OF DECK SLAB ELEVATION (9 OF 10)
 STRUCTURE NO. 016-0378 (NB) AND 016-2133 (SB)

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
342	2018-100-BR	COOK	1351	763
CONTRACT NO. 62N91				
ILLINOIS FED. AID PROJECT				

BEAM 43

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted for DL Deflection & Grinding
Bk. S. Abut.	2132+11.73	-90.92	743.85	743.88
CL Brg. S. Abut.	2132+13.83	-90.90	743.86	743.88
A	2132+23.84	-90.83	743.88	743.91
B	2132+33.85	-90.77	743.89	743.92
C	2132+43.87	-90.71	743.90	743.92
CL Brg. Pier 1	2132+52.29	-90.65	743.89	743.92
D	2132+62.30	-90.59	743.89	743.91
E	2132+72.32	-90.52	743.87	743.90
F	2132+82.33	-90.46	743.86	743.88
CL Brg. Pier 2	2132+93.60	-90.39	743.83	743.85
G	2133+03.61	-90.32	743.79	743.82
H	2133+13.62	-90.26	743.75	743.78
I	2133+23.64	-90.20	743.70	743.73
CL Brg. Pier 3	2133+34.90	-90.12	743.64	743.67
J	2133+44.92	-90.06	743.58	743.61
K	2133+54.93	-90.00	743.52	743.55
L	2133+64.95	-89.93	743.44	743.47
CL Brg. N. Abut.	2133+71.86	-89.89	743.39	743.41
Bk. N. Abut.	2133+73.96	-89.87	743.37	743.39

MODEL: Default
FILE NAME: S:\JOL\6300-6399\6346\113\Drawings\CAD\Micro-554\CAD_Sheets\01603782133-C2-017-TSE10-SAL.dgn



1170 SOUTH HOUBOLT ROAD
JOLIET, ILLINOIS 60431
(815) 744-4200
IDFPR NO. 184-001273

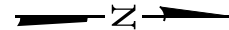
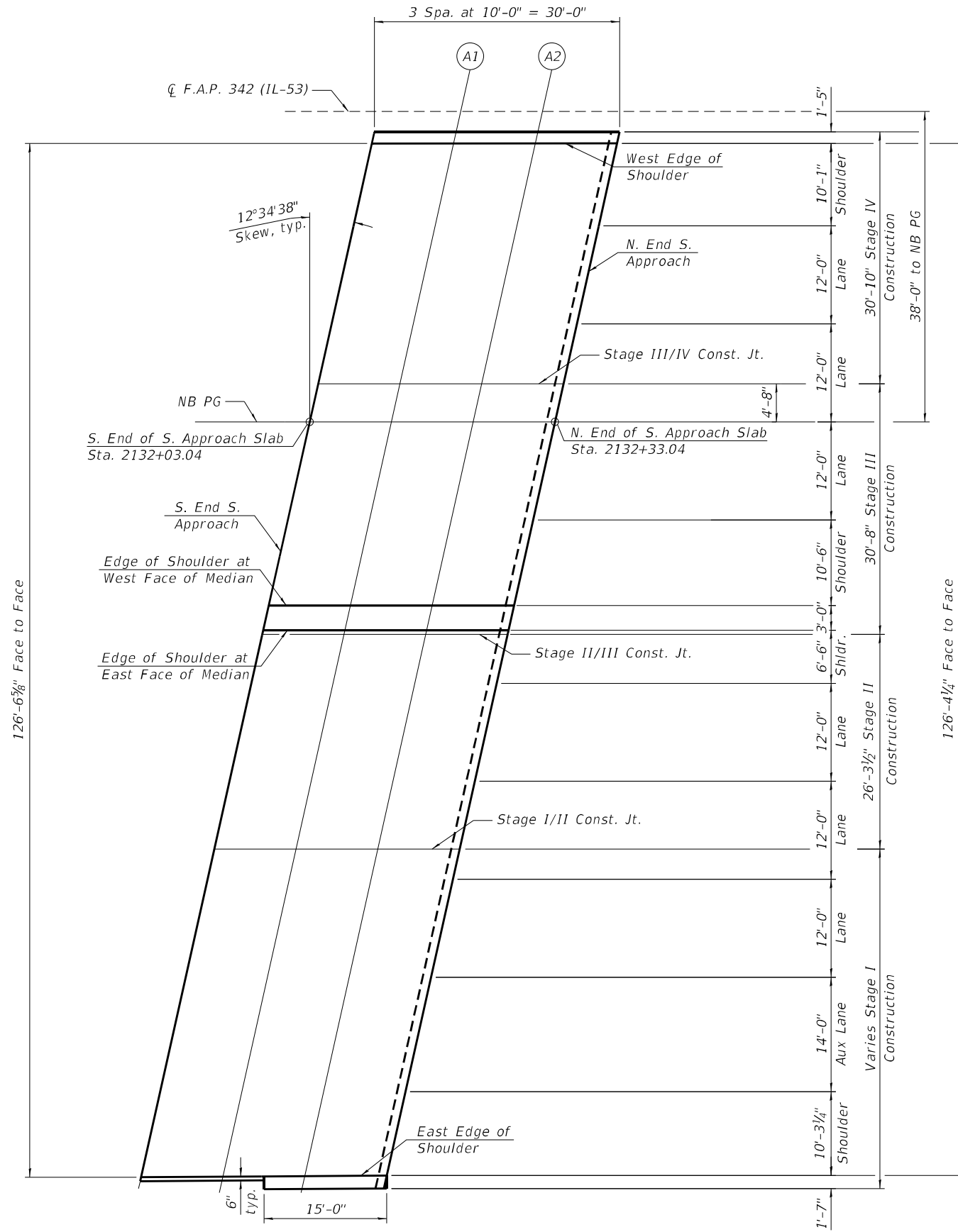
USER NAME =	CodyH	DESIGNED -	JAS	REVISED -	
		CHECKED -	NDR	REVISED -	
PLOT SCALE =	0:2.0000 " / in.	DRAWN -	CJH	REVISED -	
PLOT DATE =	2/11/2025	CHECKED -	TJE	REVISED -	

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**TOP OF DECK SLAB ELEVATION (10 OF 10)
STRUCTURE NO. 016-0378 (NB) AND 016-2133 (SB)**

SHEET 17 OF 80 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
342	2018-100-BR	COOK	1351	764
CONTRACT NO. 62N91				
		ILLINOIS	FED. AID PROJECT	



PLAN
South Approach

MODEL: Default
 FILE NAME: S:\JOLI\6300--6399\6346\113\Drawings\CAD\Micro-554\CAD_Sheets\01603782133-C2-018-ASE1-SAL.dgn
 2/11/2025 1:58:12 PM



USER NAME = CodyH	DESIGNED - JAS	REVISOR -
PLOT SCALE = 0:2,0000 " / in.	CHECKED - NDR	REVISIONS -
PLOT DATE = 2/11/2025	DRAWN - CJH	REVISIONS -
	CHECKED - TJE	REVISIONS -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TOP OF APPROACH SLAB ELEVATIONS (1 OF 8)
STRUCTURE NO. 016-0378 (NB)

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
342	2018-100-BR	COOK	1351	765
CONTRACT NO. 62N91				

SHEET 18 OF 80 SHEETS

ILLINOIS FED. AID PROJECT

WEST EDGE OF SHOULDER

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted for Grinding
S. End S. Approach	2132+10.64	34.08	744.03	744.05
A1	2132+20.64	34.08	744.05	744.07
A2	2132+30.64	34.08	744.06	744.08
N. End S. Approach	2132+40.64	34.08	744.07	744.09

STAGE III/IV CONST. JT.

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted for Grinding
S. End S. Approach	2132+04.08	4.67	744.60	744.62
A1	2132+14.08	4.67	744.62	744.65
A2	2132+24.08	4.67	744.64	744.66
N. End S. Approach	2132+34.08	4.67	744.65	744.67

NB PG

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted for Grinding
S. End S. Approach	2132+03.04	0.00	744.69	744.71
A1	2132+13.04	0.00	744.72	744.74
A2	2132+23.04	0.00	744.73	744.75
N. End S. Approach	2132+33.04	0.00	744.74	744.77

EDGE OF SHOULDER AT WEST FACE OF MEDIAN

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted for Grinding
S. End S. Approach	2131+98.02	-22.50	745.13	745.15
A1	2132+08.02	-22.50	745.15	745.18
A2	2132+18.02	-22.50	745.18	745.20
N. End S. Approach	2132+28.02	-22.50	745.19	745.21

EDGE OF SHOULDER AT EAST FACE OF MEDIAN

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted for Grinding
S. End S. Approach	2131+97.35	-25.50	745.13	745.15
A1	2132+07.35	-25.50	745.15	745.17
A2	2132+17.35	-25.50	745.17	745.20
N. End S. Approach	2132+27.35	-25.50	745.19	745.21

STAGE II/III CONST. JT.

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted for Grinding
S. End S. Approach	2131+97.24	-26.00	745.12	745.14
A1	2132+07.24	-26.00	745.14	745.16
A2	2132+17.24	-26.00	745.16	745.19
N. End S. Approach	2132+27.24	-26.00	745.18	745.20

STAGE I/II CONST. JT.

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted for Grinding
S. End S. Approach	2131+91.37	-52.29	744.57	744.59
A1	2132+01.37	-52.29	744.60	744.62
A2	2132+11.37	-52.29	744.63	744.65
N. End S. Approach	2132+21.37	-52.29	744.65	744.67

EAST EDGE OF SHOULDER

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted for Grinding
S. End S. Approach	2131+82.40	-92.52	743.74	743.76
A1	2131+92.41	-92.46	743.77	743.79
A2	2132+02.42	-92.39	743.80	743.82
N. End S. Approach	2132+12.44	-92.33	743.83	743.85

MODEL: Default
FILE NAME: S:\JOLI\6300-6399\6346\113\Drawings\CAD\Micro-55A\CAD_Sheets\01603782133-C2-019-ASE2-5A1.dgn
2/11/2025 1:58:13 PM



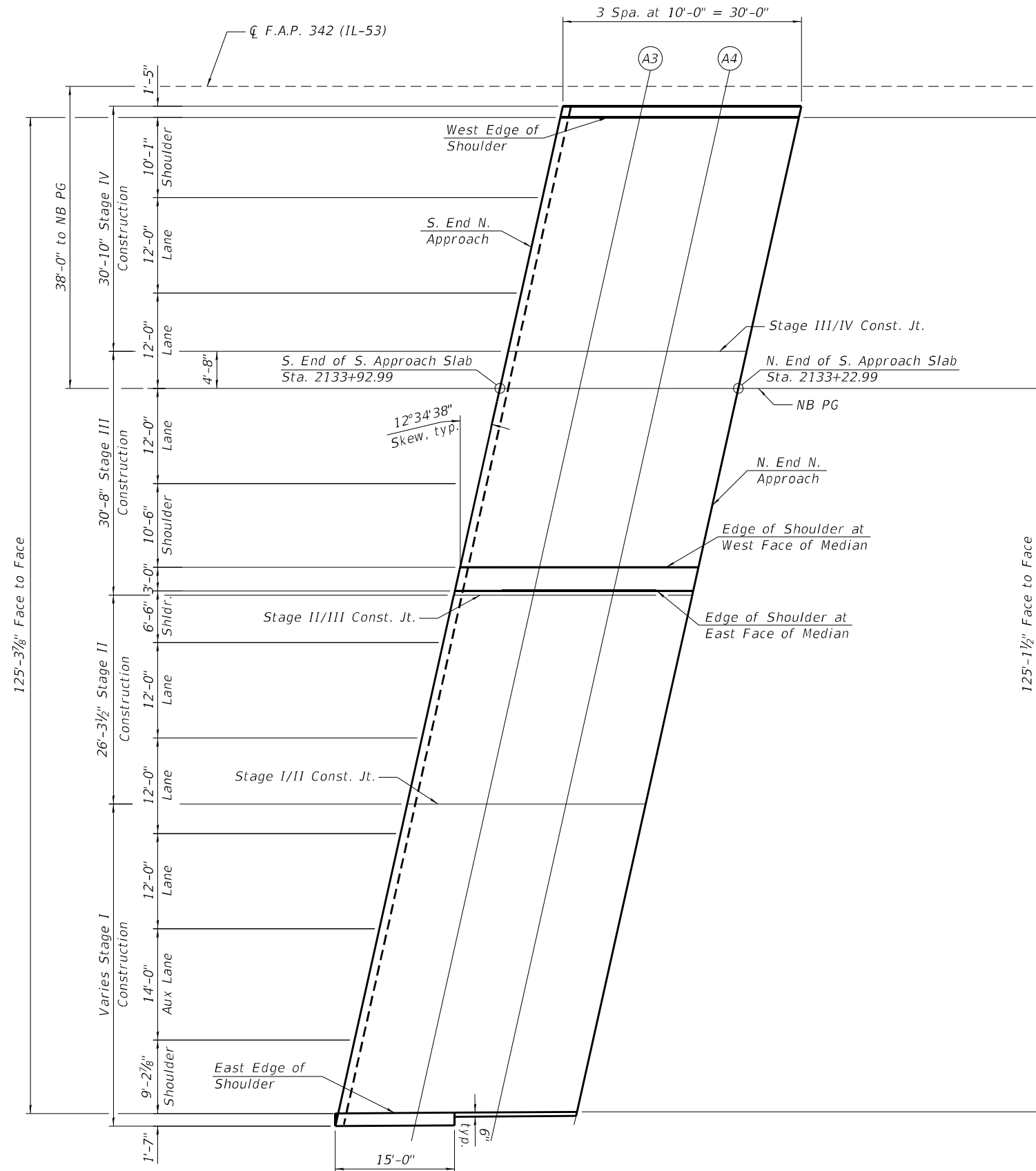
USER NAME = CodyH	DESIGNED - JAS	REVISED -
PLOT SCALE = 0:2.0000" = 1" / in.	CHECKED - NDR	REVISED -
PLOT DATE = 2/11/2025	DRAWN - CJH	REVISED -
	CHECKED - TJE	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TOP OF APPROACH SLAB ELEVATIONS (2 OF 8)
STRUCTURE NO. 016-0378 (NB)

SHEET 19 OF 80 SHEETS

F.A.P. RTE. 342	SECTION 2018-100-BR	COUNTY COOK	TOTAL SHEETS 1351	SHEET NO. 766
CONTRACT NO. 62N91				
ILLINOIS FED. AID PROJECT				



PLAN
North Approach

MODEL: Default
FILE NAME: S:\JOLI\6300-6399\6346\11\3\Drawings\CAD\Micro-554\CAD_Sheets\01603782133-C2-020-ASE3-5A.dgn



USER NAME = CodyH	DESIGNED - JAS	REVISED -
PLOT SCALE = 0:2.0000 "/> <td>DRAWN - CJH</td> <td>REVISED -</td>	DRAWN - CJH	REVISED -
PLOT DATE = 2/11/2025	CHECKED - TJE	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TOP OF APPROACH SLAB ELEVATIONS (3 OF 8)
STRUCTURE NO. 016-0378 (NB)

F.A.P. RTE. 342	SECTION 2018-100-BR	COUNTY COOK	TOTAL SHEETS 1351	SHEET NO. 767
CONTRACT NO. 62N91				
ILLINOIS FED. AID PROJECT				

WEST EDGE OF SHOULDER

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted for Grinding
S. End N. Approach	2134+00.59	34.08	743.28	743.30
A3	2134+10.59	34.08	743.18	743.20
A4	2134+20.59	34.08	743.07	743.09
N. End N. Approach	2134+30.59	34.08	742.95	742.97

STAGE III/IV CONST. JT.

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted for Grinding
S. End N. Approach	2133+94.03	4.67	743.93	743.96
A3	2134+04.03	4.67	743.83	743.86
A4	2134+14.03	4.67	743.73	743.75
N. End N. Approach	2134+24.03	4.67	743.61	743.64

NB PG

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted for Grinding
S. End N. Approach	2133+92.99	0.00	744.04	744.06
A3	2134+02.99	0.00	743.94	743.96
A4	2134+12.99	0.00	743.83	743.85
N. End N. Approach	2134+22.99	0.00	743.72	743.74

EDGE OF SHOULDER AT WEST FACE OF MEDIAN

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted for Grinding
S. End N. Approach	2133+87.97	-22.50	744.54	744.56
A3	2133+97.97	-22.50	744.44	744.46
A4	2134+07.97	-22.50	744.34	744.36
N. End N. Approach	2134+17.97	-22.50	744.23	744.25

EDGE OF SHOULDER AT EAST FACE OF MEDIAN

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted for Grinding
S. End N. Approach	2133+87.30	-25.50	744.54	744.56
A3	2133+97.30	-25.50	744.45	744.47
A4	2134+07.30	-25.50	744.34	744.36
N. End N. Approach	2134+17.30	-25.50	744.23	744.26

STAGE II/III CONST. JT.

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted for Grinding
S. End N. Approach	2133+87.18	-26.00	744.53	744.55
A3	2133+97.18	-26.00	744.44	744.46
A4	2134+07.18	-26.00	744.33	744.36
N. End N. Approach	2134+17.18	-26.00	744.23	744.25

STAGE I/II CONST. JT.

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted for Grinding
S. End N. Approach	2133+81.32	-52.29	744.06	744.08
A3	2133+91.32	-52.29	743.97	743.99
A4	2134+01.32	-52.29	743.87	743.89
N. End N. Approach	2134+11.32	-52.29	743.76	743.79

EAST EDGE OF SHOULDER

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted for Grinding
S. End N. Approach	2133+72.62	-91.30	743.35	743.38
A3	2133+82.63	-91.23	743.27	743.29
A4	2133+92.65	-91.16	743.18	743.20
N. End N. Approach	2134+02.66	-91.10	743.08	743.10

MODEL: Default
FILE NAME: S:\JOLI\6300-6399\6346\113\Drawings\CAD\Micro-55A\CAD_Sheets\01603782133-C2-021-ASE4-5A1.dgn
2/11/2025 1:58:15 PM



USER NAME = CodyH	DESIGNED - JAS	REVISED -
PLOT SCALE = 0:2.0000" = 1" / in.	CHECKED - NDR	REVISED -
PLOT DATE = 2/11/2025	DRAWN - CJH	REVISED -
	CHECKED - TJE	REVISED -

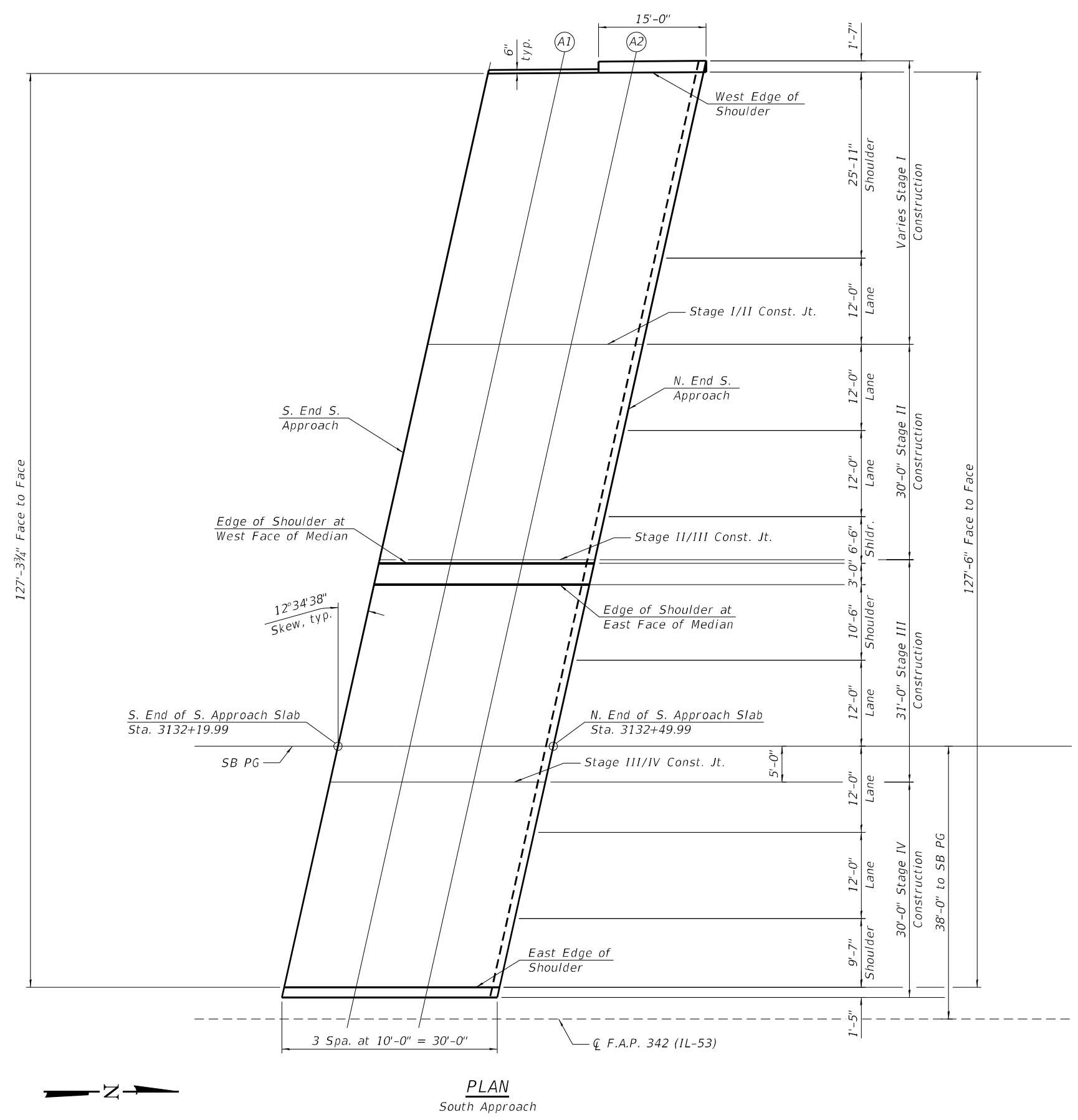
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TOP OF APPROACH SLAB ELEVATIONS (4 OF 8)
STRUCTURE NO. 016-0378 (NB)

SHEET 21 OF 80 SHEETS

F.A.P. RTE. 342	SECTION 2018-100-BR	COUNTY COOK	TOTAL SHEETS 1351	SHEET NO. 768
CONTRACT NO. 62N91				
ILLINOIS FED. AID PROJECT				

MODEL: Default
 FILE NAME: S:\JOLI\6300-6399\6346\113\Drawings\CAD\Micro-554\CAD_Sheets\01603782133-C2-02-ASE5-5A.dgn
 2/11/2025 1:58:16 PM



1170 SOUTH HOUBOLT ROAD JOLIET, ILLINOIS 60431 (815) 744-4200 IDFPR NO. 184-001273	USER NAME = CodyH	DESIGNED - JAS	REVISIONS
	PLOT SCALE = 0:2.0000 "/> <td>CHECKED - NDR</td> <td>REVISIONS</td>	CHECKED - NDR	REVISIONS
	PLOT DATE = 2/11/2025	DRAWN - CJH	REVISIONS
		CHECKED - TJE	REVISIONS

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**TOP OF APPROACH SLAB ELEVATIONS (5 OF 8)
 STRUCTURE NO. 016-2133 (SB)**

SHEET 22 OF 80 SHEETS

F.A.P. RTE. 342	SECTION 2018-100-BR	COUNTY COOK	TOTAL SHEETS 1351	SHEET NO. 769
CONTRACT NO. 62N91				
ILLINOIS FED. AID PROJECT				

WEST EDGE OF SHOULDER

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted for Grinding
S. End S. Approach	3132+40.92	93.78	743.87	743.89
A1	3132+50.93	93.84	743.87	743.89
A2	3132+60.95	93.91	743.86	743.88
N. End S. Approach	3132+70.96	93.97	743.85	743.87

STAGE I/II CONST. JT.

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted for Grinding
S. End S. Approach	3132+32.49	56.00	744.62	744.64
A1	3132+42.49	56.00	744.62	744.65
A2	3132+52.49	56.00	744.62	744.65
N. End S. Approach	3132+62.49	56.00	744.62	744.64

STAGE II/III CONST. JT.

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted for Grinding
S. End S. Approach	3132+25.80	26.00	745.21	745.23
A1	3132+35.80	26.00	745.22	745.24
A2	3132+45.80	26.00	745.23	745.25
N. End S. Approach	3132+55.80	26.00	745.22	745.24

EDGE OF SHOULDER AT WEST FACE OF MEDIAN

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted for Grinding
S. End S. Approach	3132+25.68	25.50	745.22	745.24
A1	3132+35.68	25.50	745.23	745.25
A2	3132+45.68	25.50	745.24	745.26
N. End S. Approach	3132+55.68	25.50	745.23	745.25

EDGE OF SHOULDER AT EAST FACE OF MEDIAN

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted for Grinding
S. End S. Approach	3132+25.01	22.50	745.22	745.24
A1	3132+35.01	22.50	745.23	745.25
A2	3132+45.01	22.50	745.24	745.26
N. End S. Approach	3132+55.01	22.50	745.23	745.25

SB PG

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted for Grinding
S. End S. Approach	3132+19.99	0.00	744.77	744.79
A1	3132+29.99	0.00	744.78	744.80
A2	3132+39.99	0.00	744.78	744.80
N. End S. Approach	3132+49.99	0.00	744.78	744.81

STAGE III/IV CONST. JT.

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted for Grinding
S. End S. Approach	3132+18.88	-5.00	744.66	744.69
A1	3132+28.88	-5.00	744.68	744.70
A2	3132+38.88	-5.00	744.68	744.70
N. End S. Approach	3132+48.88	-5.00	744.69	744.71

EAST EDGE OF SHOULDER

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted for Grinding
S. End S. Approach	3132+12.50	-33.58	744.08	744.10
A1	3132+22.50	-33.58	744.10	744.12
A2	3132+32.50	-33.58	744.11	744.13
N. End S. Approach	3132+42.50	-33.58	744.11	744.13

MODEL: Default
FILE NAME: S:\JOLI\6300-6399\6346\113\Drawings\CAD\Micro-554\CAD_Sheets\01603782133-C2-023-45E6-5A\dgn
2/11/2025 1:58:17 PM



1170 SOUTH HOUBOLT ROAD
JOLIET, ILLINOIS 60431
(815) 744-4200
IDFPR NO. 184-001273

USER NAME =	CodyH	DESIGNED -	JAS	REVISED -	
		CHECKED -	NDR	REVISED -	
PLOT SCALE =	0:2.0000" = 1" / in.	DRAWN -	CJH	REVISED -	
PLOT DATE =	2/11/2025	CHECKED -	TJE	REVISED -	

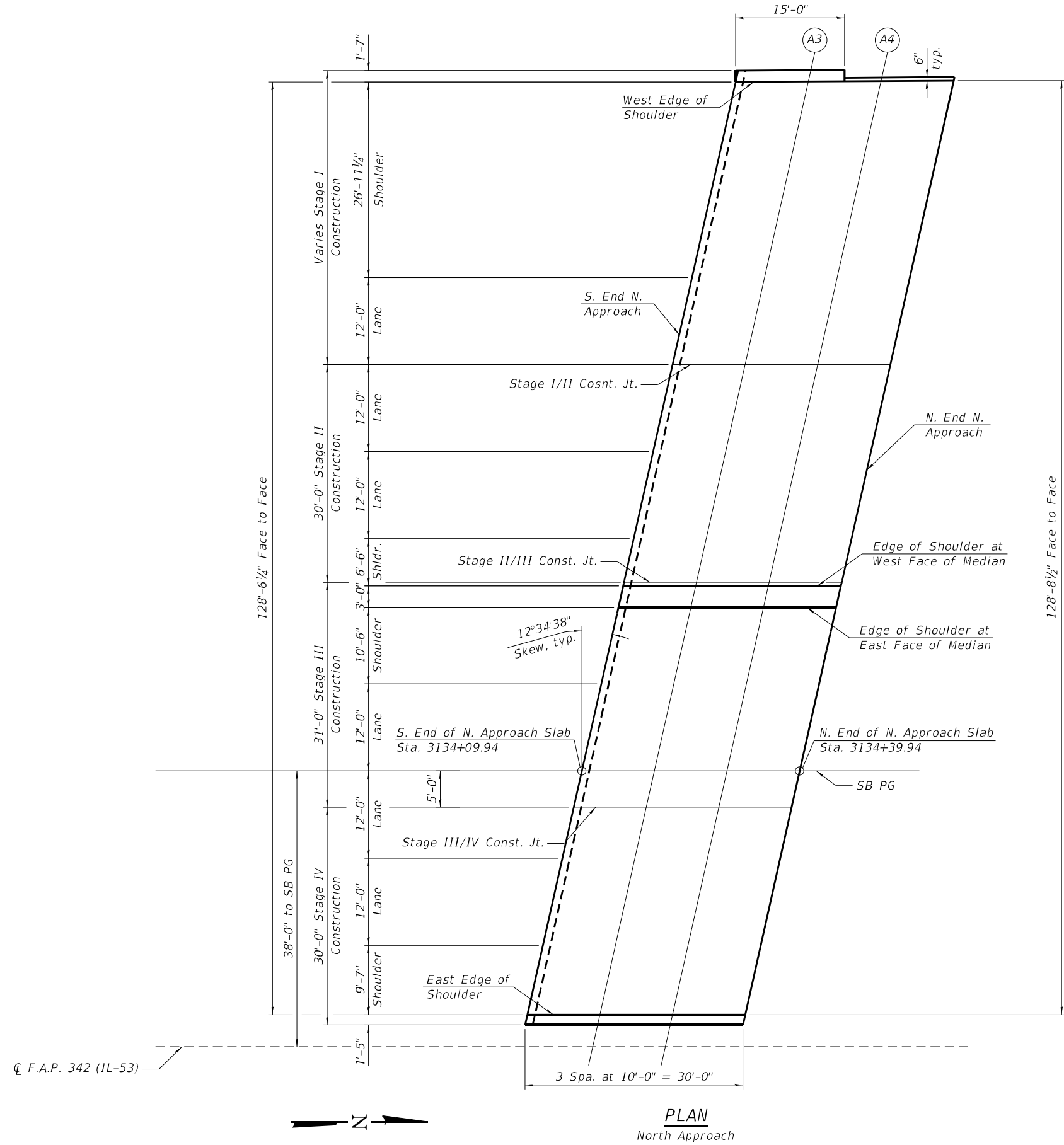
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**TOP OF APPROACH SLAB ELEVATIONS (6 OF 8)
STRUCTURE NO. 016-2133 (SB)**

SHEET 23 OF 80 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
342	2018-100-BR	COOK	1351	770
CONTRACT NO. 62N91				
ILLINOIS FED. AID PROJECT				

MODEL: Default
 FILE NAME: S:\JOL\6300-6399\6346\113\Drawings\CAD\Micro-554\CAD_Sheets\01603782133-C2-024-ASE7-5A1.dgn
 2/11/2025 1:58:18 PM



PLAN
 North Approach



1170 SOUTH HOUBOLT ROAD JOLIET, ILLINOIS 60431 (815) 744-4200 IDFPR NO. 184-001273	USER NAME = CodyH	DESIGNED - JAS	REVISED -
		CHECKED - NDR	REVISED -
	PLOT SCALE = 0:2.0000 "/> <td>DRAWN - CJH</td> <td>REVISED -</td>	DRAWN - CJH	REVISED -
	PLOT DATE = 2/11/2025	CHECKED - TJE	REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

TOP OF APPROACH SLAB ELEVATIONS (7 OF 8)
 STRUCTURE NO. 016-2133 (SB)

SHEET 24 OF 80 SHEETS

F.A.P. RTE. 342	SECTION 2018-100-BR	COUNTY COOK	TOTAL SHEETS 1351	SHEET NO. 771
CONTRACT NO. 62N91				
ILLINOIS FED. AID PROJECT				

WEST EDGE OF SHOULDER

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted for Grinding
S. End N. Approach	3134+31.13	94.99	742.95	742.97
A3	3134+41.15	95.05	742.85	742.87
A4	3134+51.16	95.12	742.74	742.76
N. End N. Approach	3134+61.18	95.18	742.63	742.65

STAGE I/II CONST. JT.

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted for Grinding
S. End N. Approach	3134+22.44	56.00	743.81	743.83
A3	3134+32.44	56.00	743.71	743.74
A4	3134+42.44	56.00	743.61	743.63
N. End N. Approach	3134+52.44	56.00	743.51	743.53

STAGE II/III CONST. JT.

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted for Grinding
S. End N. Approach	3134+15.74	26.00	744.47	744.49
A3	3134+25.74	26.00	744.38	744.40
A4	3134+35.74	26.00	744.28	744.30
N. End N. Approach	3134+45.74	26.00	744.18	744.20

EDGE OF SHOULDER AT WEST FACE OF MEDIAN

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted for Grinding
S. End N. Approach	3134+15.63	25.50	744.48	744.50
A3	3134+25.63	25.50	744.39	744.41
A4	3134+35.63	25.50	744.29	744.31
N. End N. Approach	3134+45.63	25.50	744.19	744.21

EDGE OF SHOULDER AT EAST FACE OF MEDIAN

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted for Grinding
S. End N. Approach	3134+14.96	22.50	744.49	744.51
A3	3134+24.96	22.50	744.40	744.42
A4	3134+34.96	22.50	744.30	744.32
N. End N. Approach	3134+44.96	22.50	744.20	744.22

SB PG

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted for Grinding
S. End N. Approach	3134+09.94	0.00	744.08	744.10
A3	3134+19.94	0.00	743.99	744.01
A4	3134+29.94	0.00	743.90	743.92
N. End N. Approach	3134+39.94	0.00	743.80	743.82

STAGE III/IV CONST. JT.

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted for Grinding
S. End N. Approach	3134+08.83	-5.00	743.99	744.01
A3	3134+18.83	-5.00	743.90	743.92
A4	3134+28.83	-5.00	743.81	743.83
N. End N. Approach	3134+38.83	-5.00	743.71	743.73

EAST EDGE OF SHOULDER

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted for Grinding
S. End N. Approach	3134+02.45	-33.58	743.47	743.49
A3	3134+12.45	-33.58	743.39	743.41
A4	3134+22.45	-33.58	743.30	743.32
N. End N. Approach	3134+32.45	-33.58	743.20	743.22

MODEL: Default
FILE NAME: S:\JOLI\6300-6399\6346\113\Drawings\CAD\Micro-55A\CAD_Sheets\01603782133-C2-025-ASEB-5A\dgn
2/11/2025 1:58:19 PM



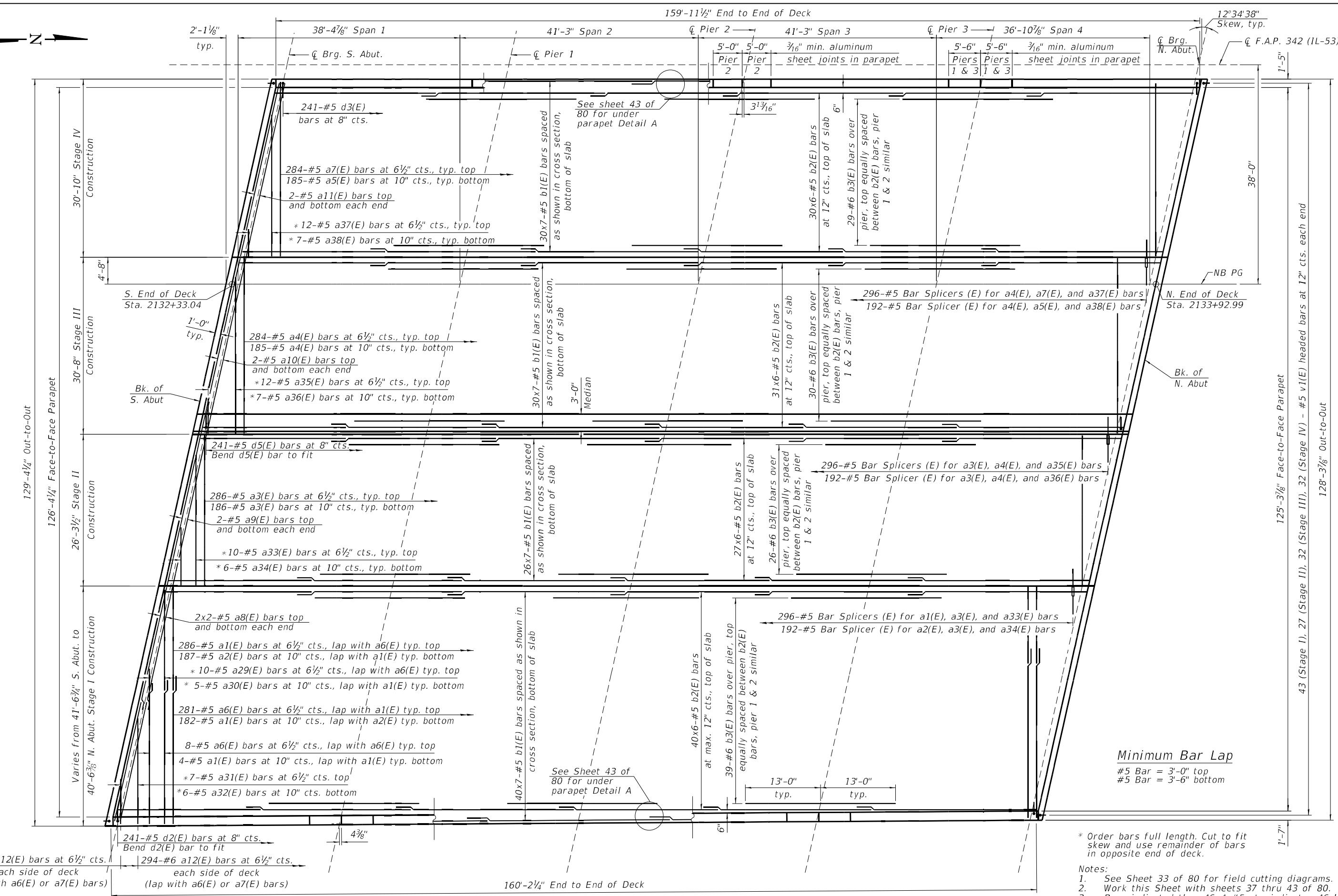
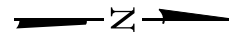
USER NAME =	CodyH	DESIGNED -	JAS	REVISED -	
		CHECKED -	NDR	REVISED -	
PLOT SCALE =	0:2.0000" = 1" / in.	DRAWN -	CJH	REVISED -	
PLOT DATE =	2/11/2025	CHECKED -	TJE	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TOP OF APPROACH SLAB ELEVATIONS (8 OF 8)
STRUCTURE NO. 016-2133 (SB)

SHEET 25 OF 80 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
342	2018-100-BR	COOK	1351	772
CONTRACT NO. 62N91				
ILLINOIS FED. AID PROJECT				



DECK PLAN

* Order bars full length. Cut to fit skew and use remainder of bars in opposite end of deck.

- Notes:
1. See Sheet 33 of 80 for field cutting diagrams.
 2. Work this Sheet with sheets 37 thru 43 of 80.
 3. Bars indicated thus 46x4-#5 etc. indicates 46 lines of bars with 4 lengths per line.

MODEL: Default
 FILE NAME: S:\JULI\6300-6399\6346\113\Drawings\CAD\Micro-554\CAD_Sheets\01603782133-C2-026-DP-5A1.dgn
 2/11/2025 1:58:21 PM



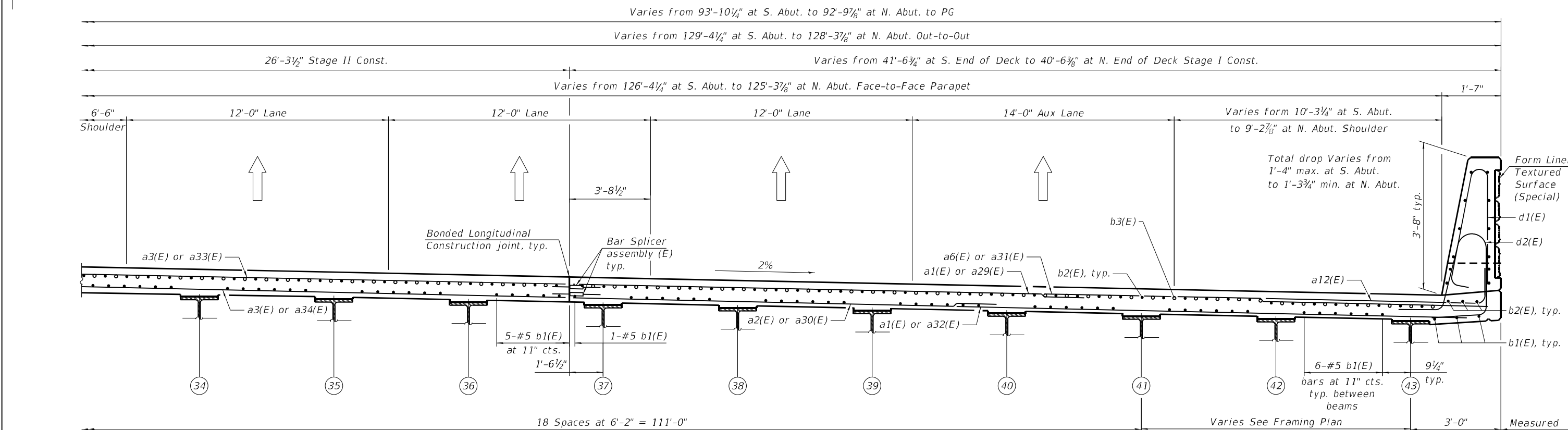
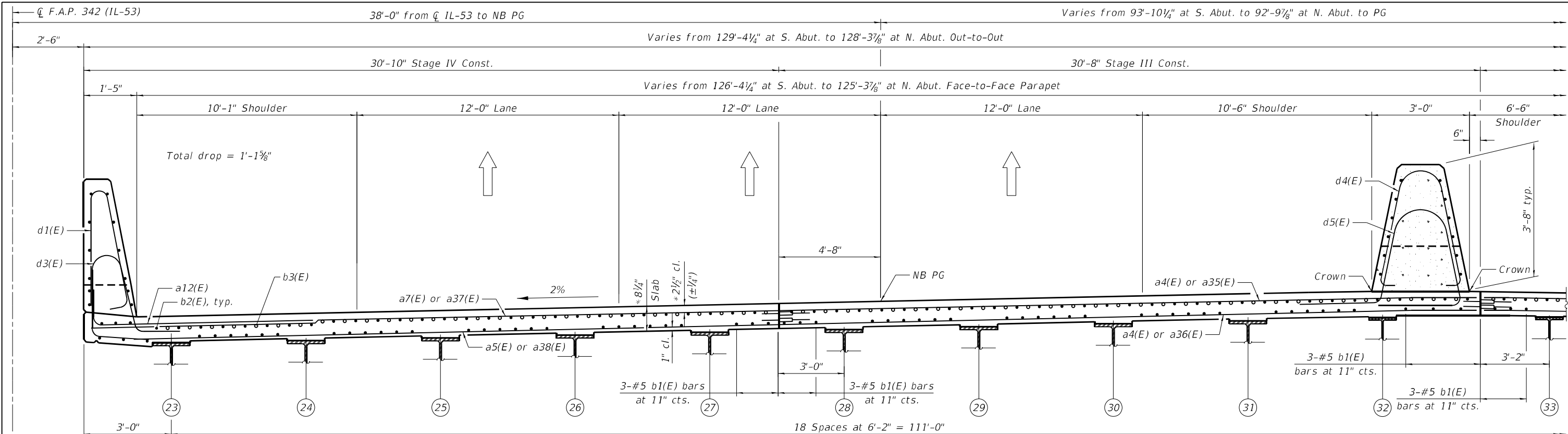
1170 SOUTH HOUBOLT ROAD JOLIET, ILLINOIS 60431 (815) 744-4200 IDFPR NO. 184-001273	USER NAME = CodyH	DESIGNED - TJE	REVISED -
	PLOT SCALE = 0:2.0000 "/in.	CHECKED - NDR	REVISED -
	PLOT DATE = 2/11/2025	DRAWN - CJH	REVISED -
		CHECKED - TJE	REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

DECK PLAN
 STRUCTURE NO. 016-0378 (NB)

SHEET 26 OF 80 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
342	2018-100-BR	COOK	1351	773
CONTRACT NO. 62N91				
ILLINOIS FED. AID PROJECT				



NB CROSS SECTION
(Looking North)

* Prior to Grinding

MODEL: Default
 FILE NAME: S:\JOL\6300-6399\6346\113\Drawings\CAD\Micro-554\CAD_Sheets\01603782133-C2-027-DCS-S4.dgn
 2/11/2025 1:58:22 PM



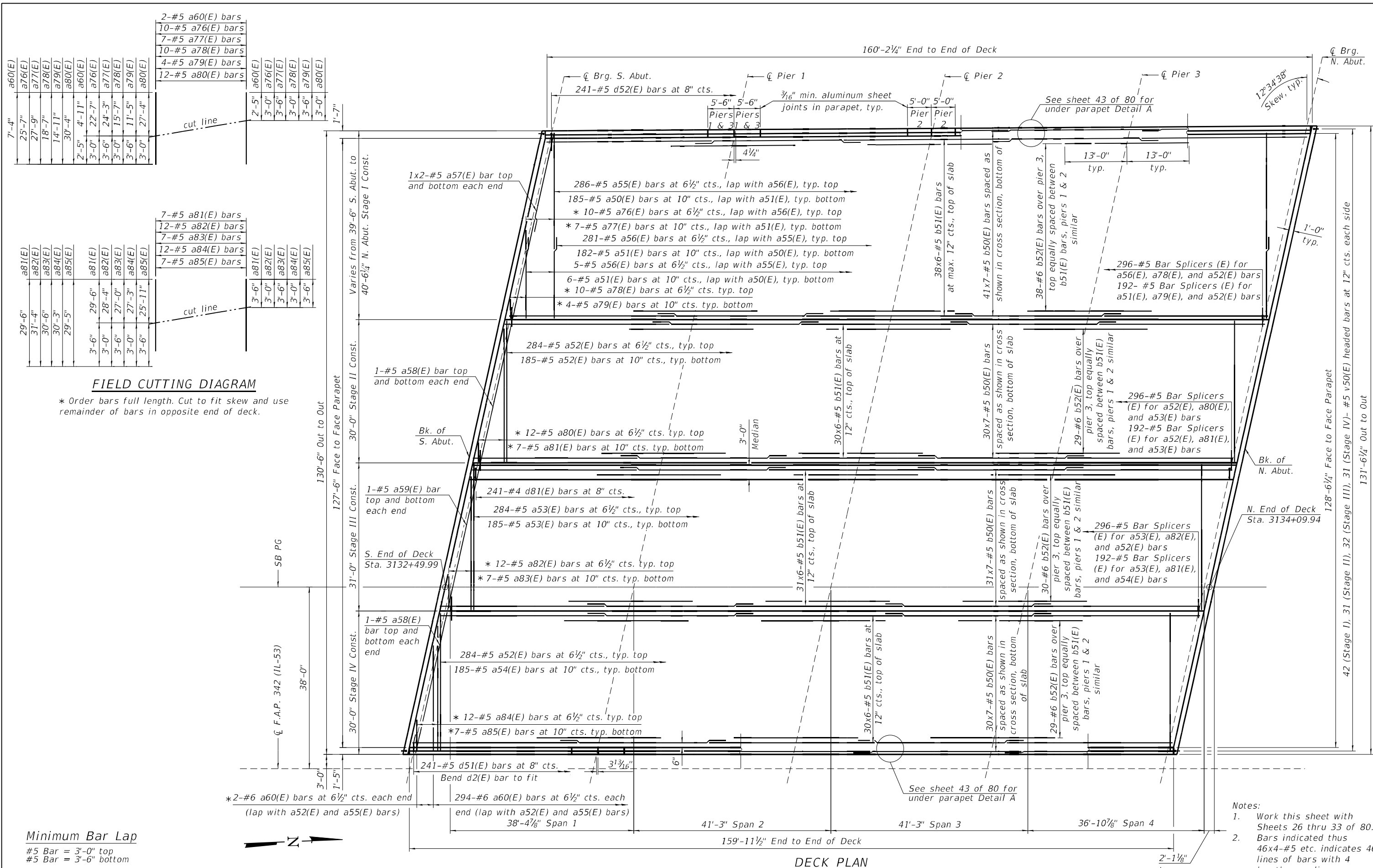
1170 SOUTH HOUBOLT ROAD JOLIET, ILLINOIS 60431 (815) 744-4200 IDFPR NO. 184-001273	USER NAME = CodyH	DESIGNED - TJE	REVISIONS -
	PLOT SCALE = 0:2.0000 "/ in.	CHECKED - NDR	REVISIONS -
	PLOT DATE = 2/11/2025	DRAWN - CJH	REVISIONS -
		CHECKED - TJE	REVISIONS -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**DECK CROSS SECTION
STRUCTURE NO. 016-0378 (NB)**

SHEET 27 OF 80 SHEETS

F.A.P. RTE. 342	SECTION 2018-100-BR	COUNTY COOK	TOTAL SHEETS 1351	SHEET NO. 774
CONTRACT NO. 62N91				
ILLINOIS FED. AID PROJECT				



FIELD CUTTING DIAGRAM

* Order bars full length. Cut to fit skew and use remainder of bars in opposite end of deck.

- Notes:
1. Work this sheet with Sheets 26 thru 33 of 80.
 2. Bars indicated thus 46x4-#5 etc. indicates 46 lines of bars with 4 lengths per line.

Minimum Bar Lap
 #5 Bar = 3'-0" top
 #5 Bar = 3'-6" bottom

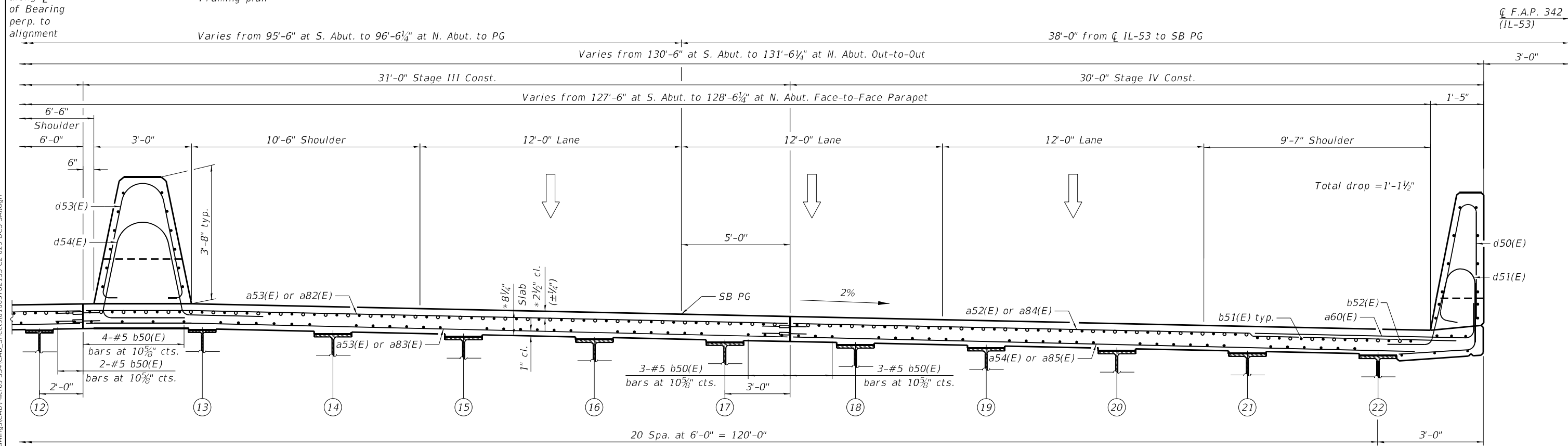
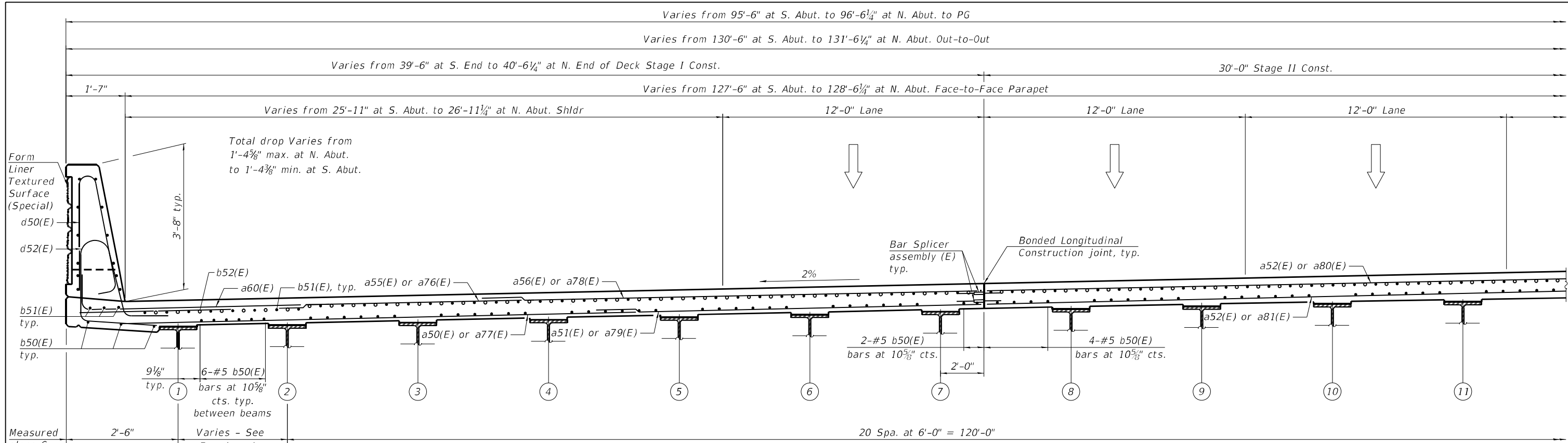
**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**DECK PLAN
 STRUCTURE NO. 016-2133 (SB)**

USER NAME = CodyH	DESIGNED - TJE	REVISED -
PLOT SCALE = 0:2,0000' / in.	CHECKED - NDR	REVISED -
PLOT DATE = 2/11/2025	DRAWN - CJH	REVISED -
	CHECKED - TJE	REVISED -

F.A.P. RTE. 342	SECTION 2018-100-BR	COUNTY COOK	TOTAL SHEETS 1351	SHEET NO. 775
CONTRACT NO. 62N91				
ILLINOIS FED. AID PROJECT				

MODEL: Default
 FILE NAME: S:\J\016300-6399\6346\113\Drawings\CAD\Micro-554\CAD_Sheets\01603782133-C2-028-CP-SAL.dgn
 2/11/2025 1:58:24 PM



SB CROSS SECTION
(Looking North)

* Prior to Grinding

MODEL: Default
FILE NAME: S:\JOLI\6300-6399\6346\113\Drawings\CAD\Micro-554\CAD_Sheets\01603782133-C2-029-DCS-SAL.dgn

SA STRAND ASSOCIATES
1170 SOUTH HOUBOLT ROAD
JOLIET, ILLINOIS 60431
(815) 744-4200
IDFPR NO. 184-001273

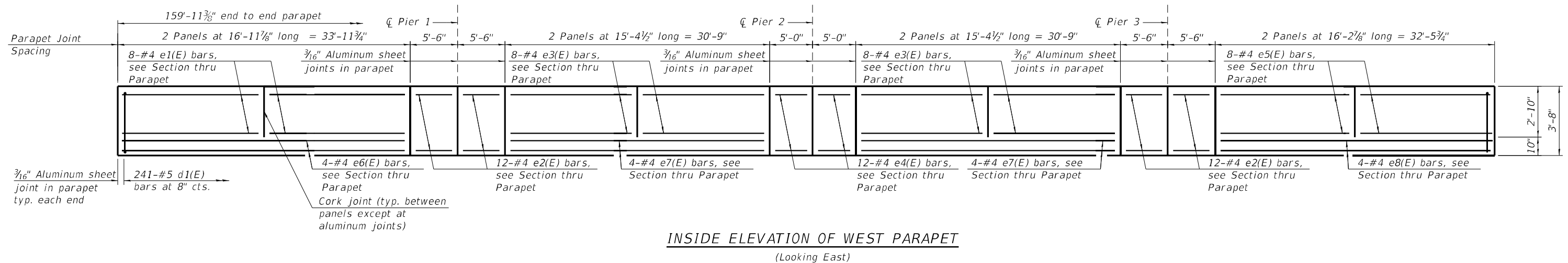
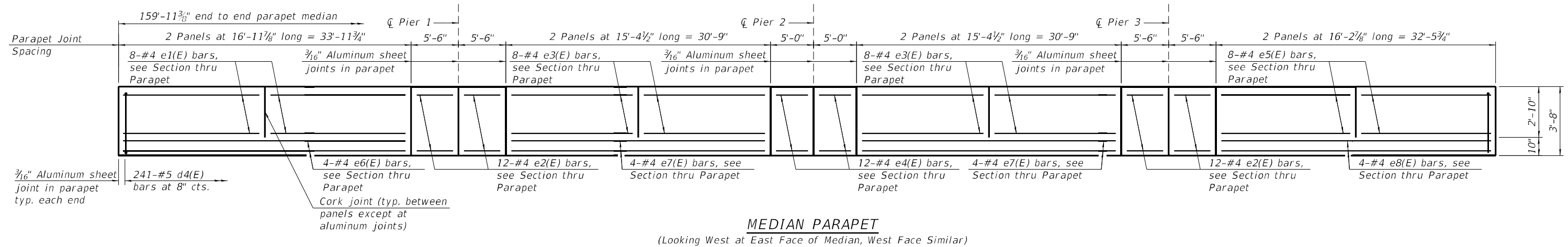
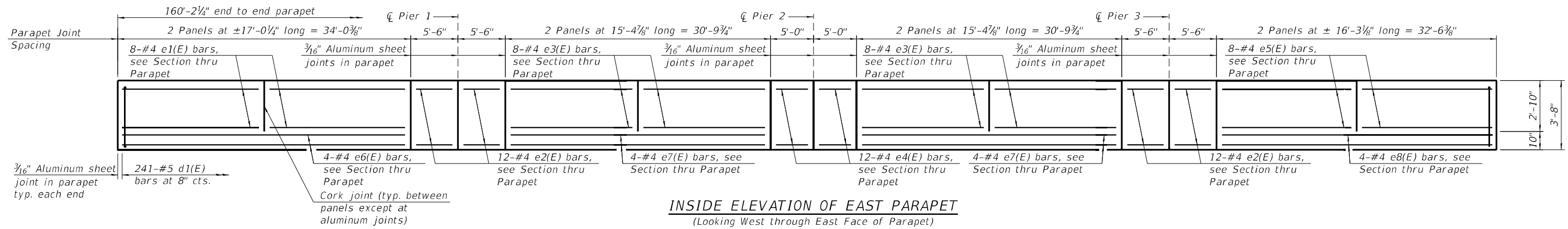
USER NAME = CodyH	DESIGNED - TJE	REVISED -
PLOT SCALE = 0:2.0000 "/>		

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**DECK CROSS SECTION
STRUCTURE NO. 016-2133 (SB)**

SHEET 29 OF 80 SHEETS

F.A.P. RTE. 342	SECTION 2018-100-BR	COUNTY COOK	TOTAL SHEETS 1351	SHEET NO. 776
CONTRACT NO. 62N91				
ILLINOIS FED. AID PROJECT				



Notes:
1. See Sheet 33 of 80 for Bill of Materials.

MODEL: Default
FILE NAME: S:\JOLI\6300-6399\6346\113\Drawings\CAD\Micro-554\CAD_Sheets\01603782133-C2-030-DPD1-5A1.dgn
2/11/2025 1:58:27 PM



1170 SOUTH HOUBOLT ROAD
JOLIET, ILLINOIS 60431
(815) 744-4200
IDFPR NO. 184-001273

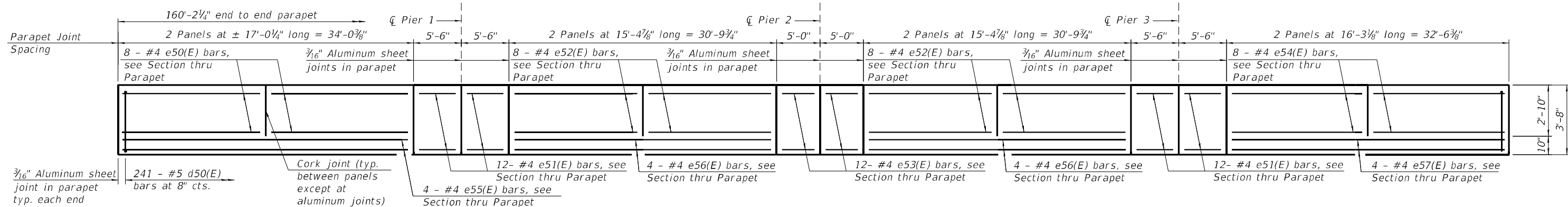
USER NAME =	CodyH	DESIGNED -	TJE	REVISED -	
CHECKED -	NDR	CHECKED -	NDR	REVISED -	
PLOT SCALE =	0:2.0000 "/> <td>DRAWN -</td> <td>CJH</td> <td>REVISED -</td> <td></td>	DRAWN -	CJH	REVISED -	
PLOT DATE =	2/11/2025	CHECKED -	TJE	REVISED -	

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

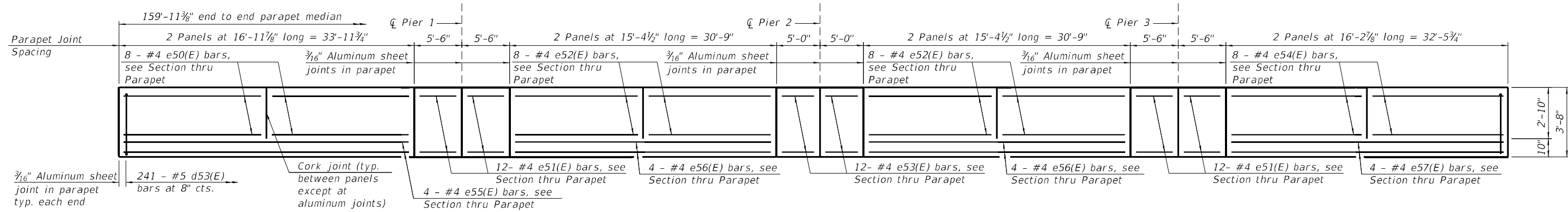
**DECK AND PARAPET DETAILS (1 OF 4)
STRUCTURE NO. 016-0378 (NB)**

SHEET 30 OF 80 SHEETS

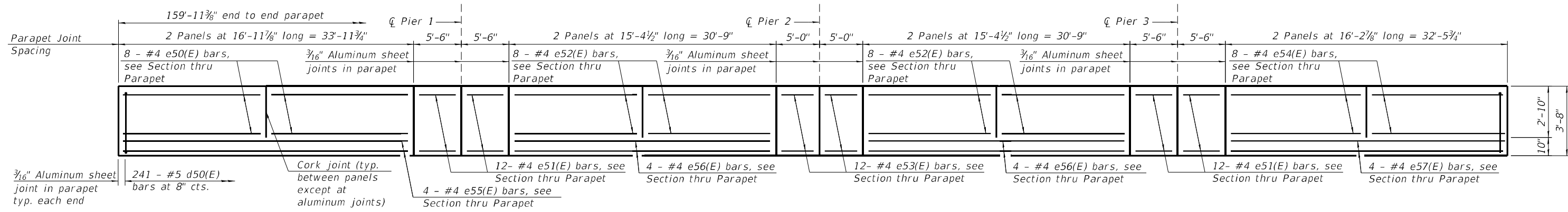
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
342	2018-100-BR	COOK	1351	777
CONTRACT NO. 62N91				
ILLINOIS		FED. AID PROJECT		



INSIDE ELEVATION OF WEST PARAPET
(Looking West)



MEDIAN PARAPET
(Looking West at East Face of Median, West Face Similar)



INSIDE ELEVATION OF EAST PARAPET
(Looking West through East Face of Parapet)

Notes:
1. See Sheet 33 of 80 for Bill of Materials.

MODEL: Default
FILE NAME: S:\JOLI\6300-6399\6346\113\Drawings\CAD\Micro-554\CAD_Sheets\1603782133-C2-031-DPD2-5A1.dgn
2/11/2025 1:58:29 PM



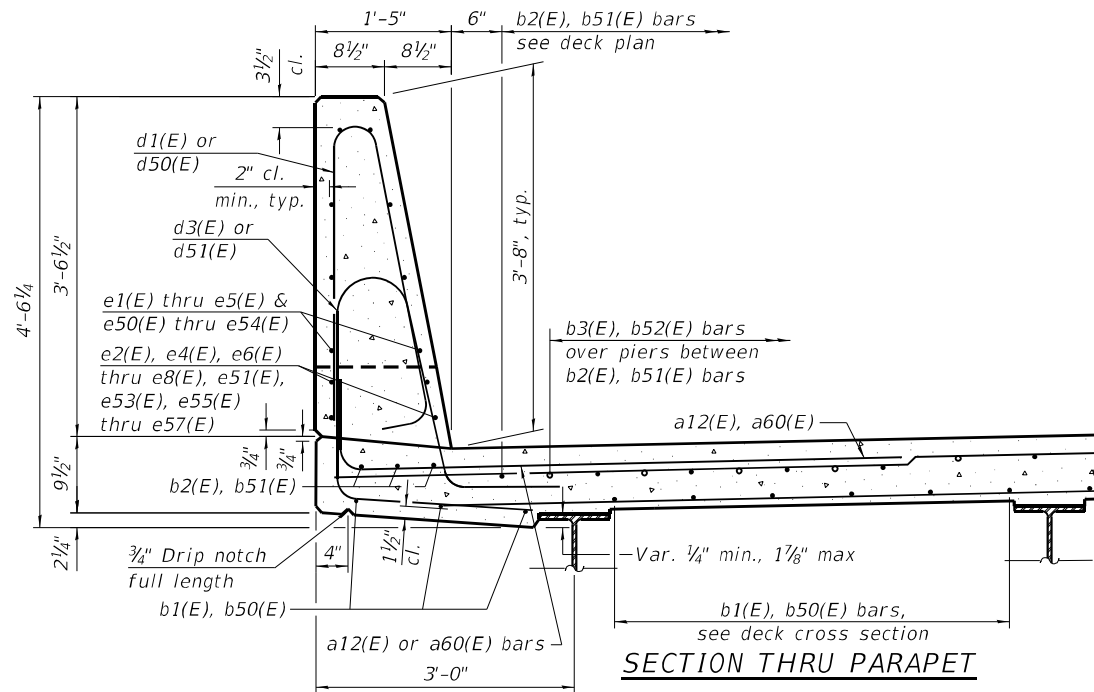
USER NAME = CodyH	DESIGNED - TJE	REVISED -
PLOT SCALE = 0:2.0000' = 1\"/>		

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

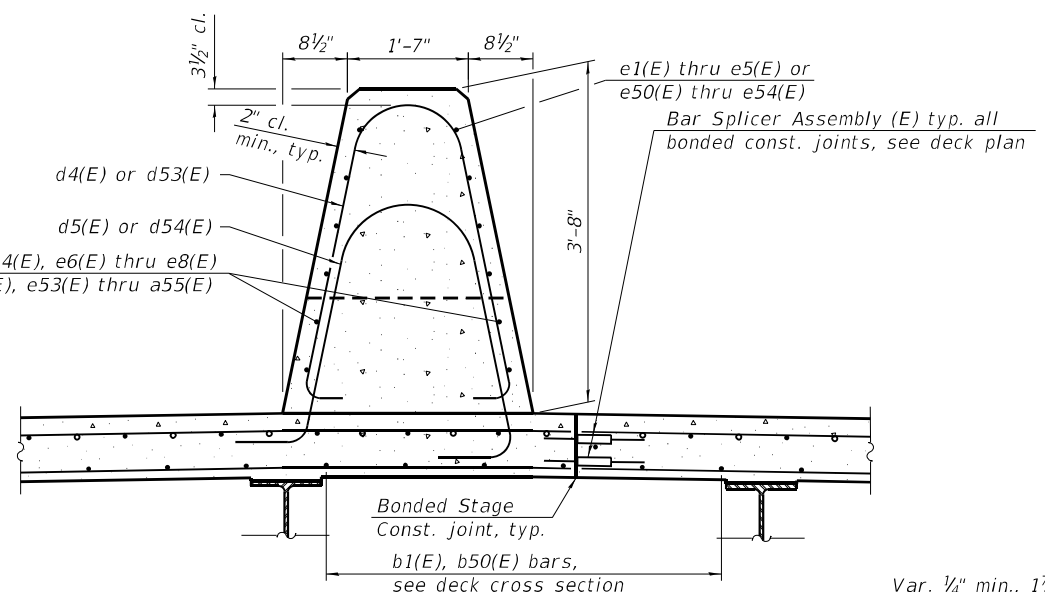
**DECK AND PARAPET DETAILS (2 OF 4)
STRUCTURE NO. 016-2133 (SB)**

SHEET 31 OF 80 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
342	2018-100-BR	COOK	1351	778
CONTRACT NO. 62N91				
		ILLINOIS	FED. AID PROJECT	

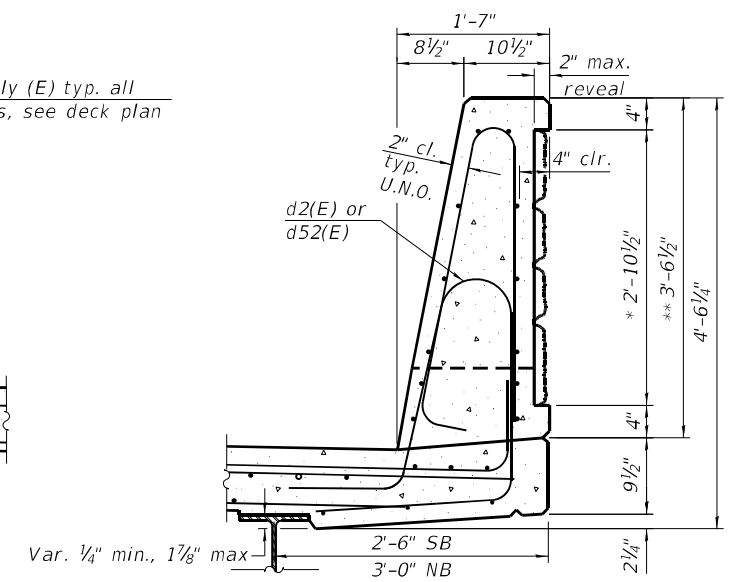


SECTION THRU PARAPET

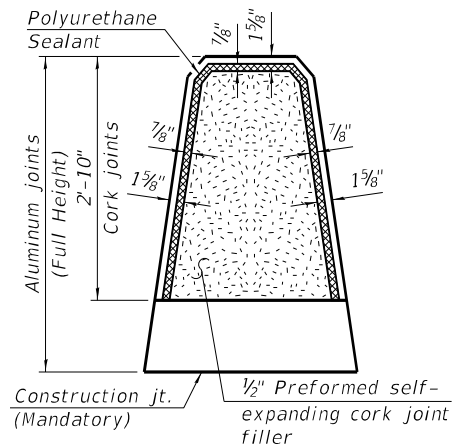


SECTION THRU MEDIAN

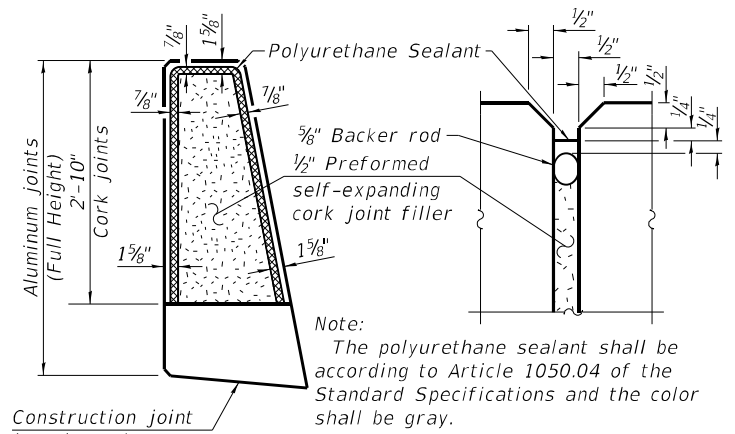
NB shown SB similar mirrored about Centerline of Median



SECTION THRU PARAPET WITH FORMLINER

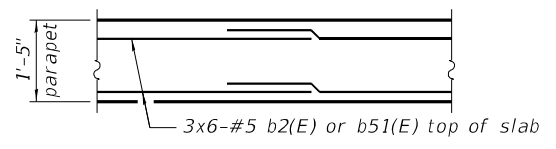


MEDIAN JOINT DETAILS



PARAPET JOINT DETAILS

Note: The polyurethane sealant shall be according to Article 1050.04 of the Standard Specifications and the color shall be gray.



DETAIL A

(Drawn for 1'-5" Parapet, 1'-7" similar)

- Notes:
- The 3/16" min. aluminum sheet shall be ASTM B 209 alloy 3003-H14 and coated with 5 mils of either bitumen paint or epoxy paint to minimize reaction with wet concrete. Cost included with Concrete Superstructure.
 - Headed bars shall conform to ASTM A970 with threaded attachment; Class HA; and reinforcement bars conforming to ASTM A706. Cost included with Reinforcement Bars, Epoxy Coated.
 - Bar Terminators, paid for separately. See Bill of Materials.
 - Reinforcement bars shall not pass thru aluminum sheets and cork joint filler.
 - See sheet 33 of 80 for Bill of Materials.
- * Pay Limits for Concrete Sealant, Special
 ** Pay Limits for Form Liner Textured surface (Special)

MODEL: Default
 FILE NAME: S:\JOLI\6300-6399\6346\113\Drawings\CAD\Micro-554\CAD_Sheets\01603782133-C2-032-DPD3-SAL.dgn
 2/11/2025 1:58:30 PM



1170 SOUTH HOUBOLT ROAD
 JOLIET, ILLINOIS 60431
 (815) 744-4200
 IDFPR NO. 184-001273

USER NAME = CodyH	DESIGNED - TJE	REVISED -
PLOT SCALE = 0:2.0000 "/in.	CHECKED - NDR	REVISED -
PLOT DATE = 2/11/2025	DRAWN - CJH	REVISED -
	CHECKED - TJE	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**DECK AND PARAPET DETAILS (3 OF 4)
 STRUCTURE NO. 016-0378 (NB) AND 016-2133 (SB)**

SHEET 32 OF 80 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
342	2018-100-BR	COOK	1351	779
CONTRACT NO. 62N91				
ILLINOIS FED. AID PROJECT				

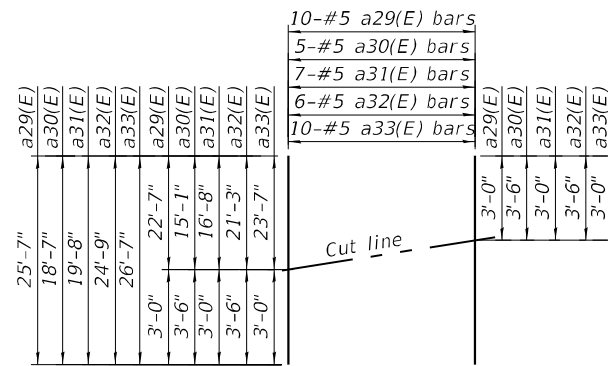
SUPERSTRUCTURE BILL OF MATERIAL

(Structure No. 016-2133 SB)

(Structure No. 016-0378 NB)

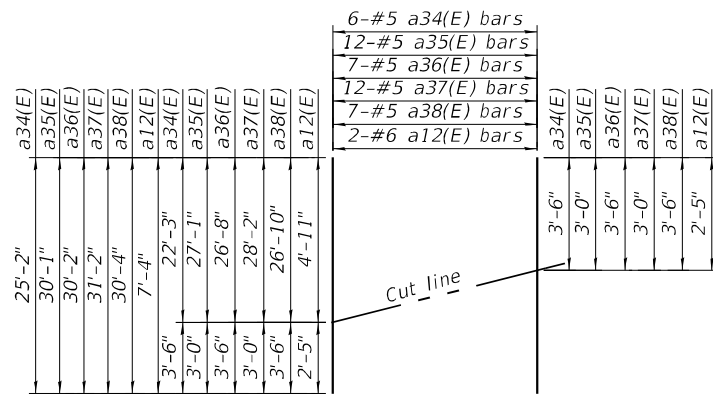
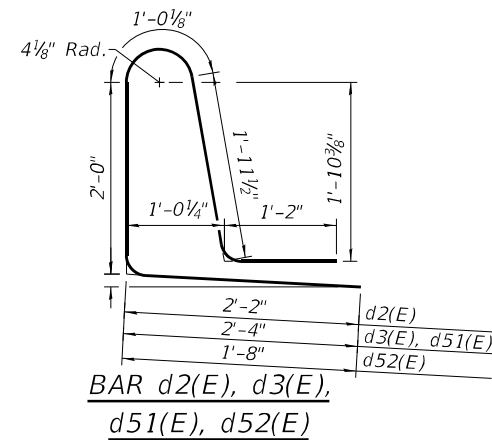
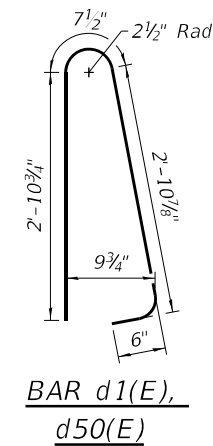
Bar	No.	Size	Length	Shape
a50(E)	185	#5	28'-0"	=====
a51(E)	188	#5	15'-0"	=====
a52(E)	753	#5	29'-9"	=====
a53(E)	469	#5	30'-9"	=====
a54(E)	185	#5	28'-11"	=====
a55(E)	286	#5	25'-0"	=====
a56(E)	286	#5	18'-0"	=====
a57(E)	8	#5	22'-4"	=====
a58(E)	8	#5	30'-5"	=====
a59(E)	4	#5	31'-6"	=====
a60(E)	592	#6	8'-4"	=====
a76(E)	10	#5	25'-7"	=====
a77(E)	7	#5	27'-9"	=====
a78(E)	10	#5	18'-7"	=====
a79(E)	4	#5	14'-11"	=====
a80(E)	12	#5	30'-4"	=====
a81(E)	7	#5	29'-6"	=====
a82(E)	12	#5	31'-4"	=====
a83(E)	7	#5	30'-6"	=====
a84(E)	12	#5	30'-3"	=====
a85(E)	7	#5	29'-5"	=====
b50(E)	924	#5	25'-10"	=====
b51(E)	816	#5	29'-2"	=====
b52(E)	378	#6	26'-0"	=====
d50(E)	482	#5	6'-11"	=====
d51(E)	241	#5	8'-6"	=====
d52(E)	241	#5	7'-10"	=====
d53(E)	241	#5	8'-6"	=====
d54(E)	241	#5	11'-11"	=====
e50(E)	48	#4	16'-8"	=====
e51(E)	144	#4	5'-2"	=====
e52(E)	96	#4	15'-1"	=====
e53(E)	72	#4	4'-8"	=====
e54(E)	48	#4	15'-11"	=====
e55(E)	12	#4	33'-8"	=====
e56(E)	24	#4	30'-5"	=====
e57(E)	12	#4	32'-2"	=====
v50(E)	272	#5	3'-1"	=====
Concrete Superstructure	CU YD	647.6		
Protective Coat	SQ YD	2,587		
Reinforcement Bars, Epoxy Coated	POUND	157,370		
Bar Terminators	EACH	272		
Bridge Deck Grooving (Longitudinal)	SQ YD	2,139		
Concrete Color Additive	CU YD	26.0		
Form Liner Textured Surface (Special)	SQ FT	568		
Diamond Grinding (Bridge Section)	SQ YD	2,069		
Concrete Sealant (Special)	SQ YD	52		

Bar	No.	Size	Length	Shape
a1(E)	472	#5	25'-0"	=====
a2(E)	187	#5	18'-10"	=====
a3(E)	472	#5	26'-0"	=====
a4(E)	469	#5	30'-5"	=====
a5(E)	185	#5	29'-9"	=====
a6(E)	289	#5	19'-1"	=====
a7(E)	284	#5	30'-7"	=====
a8(E)	16	#5	22'-11"	=====
a9(E)	8	#5	26'-8"	=====
a10(E)	8	#5	31'-2"	=====
a11(E)	8	#5	31'-4"	=====
a12(E)	592	#6	8'-4"	=====
a29(E)	10	#5	25'-7"	=====
a30(E)	5	#5	18'-7"	=====
a31(E)	7	#5	19'-8"	=====
a32(E)	6	#5	24'-9"	=====
a33(E)	10	#5	26'-7"	=====
a34(E)	6	#5	25'-9"	=====
a35(E)	12	#5	30'-1"	=====
a36(E)	7	#5	30'-2"	=====
a37(E)	12	#5	31'-2"	=====
a38(E)	7	#5	30'-4"	=====
b1(E)	882	#5	25'-10"	=====
b2(E)	804	#5	29'-2"	=====
b3(E)	372	#6	26'-0"	=====
d1(E)	482	#5	6'-11"	=====
d2(E)	241	#5	8'-4"	=====
d3(E)	241	#5	8'-6"	=====
d4(E)	241	#5	8'-5"	=====
d5(E)	241	#5	11'-11"	=====
e1(E)	48	#4	16'-8"	=====
e2(E)	144	#4	5'-2"	=====
e3(E)	96	#4	15'-1"	=====
e4(E)	72	#4	4'-8"	=====
e5(E)	48	#4	15'-11"	=====
e6(E)	12	#4	33'-8"	=====
e7(E)	24	#4	30'-5"	=====
e8(E)	12	#4	32'-2"	=====
v1(E)	268	#5	3'-1"	=====
Concrete Superstructure	CU YD	637.6		
Protective Coat	SQ YD	2,550		
Reinforcement Bars, Epoxy Coated	POUND	155,160		
Bar Terminators	EACH	268		
Bridge Deck Grooving (Longitudinal)	SQ YD	2,101		
Concrete Color Additive	CU YD	26.0		
Form Liner Textured Surface (Special)	SQ FT	536		
Architectural Form Liner	SQ YD	4		
Diamond Grinding (Bridge Section)	SQ YD	2,030		
Concrete Sealant (Special)	CU YD	50		

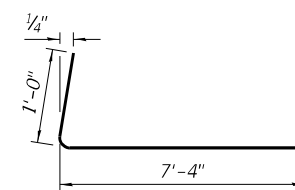
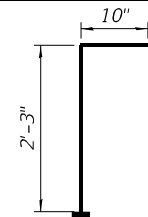
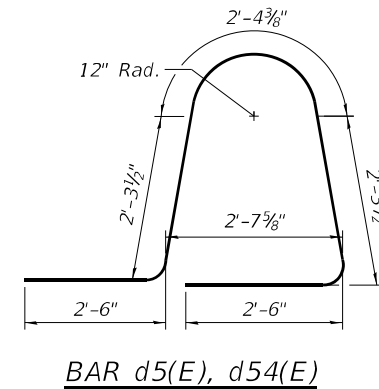
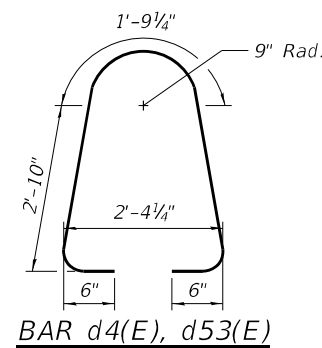


FIELD CUTTING DIAGRAM 1

* Order bars full length. Cut to fit skew and use remainder of bars in opposite end of deck.



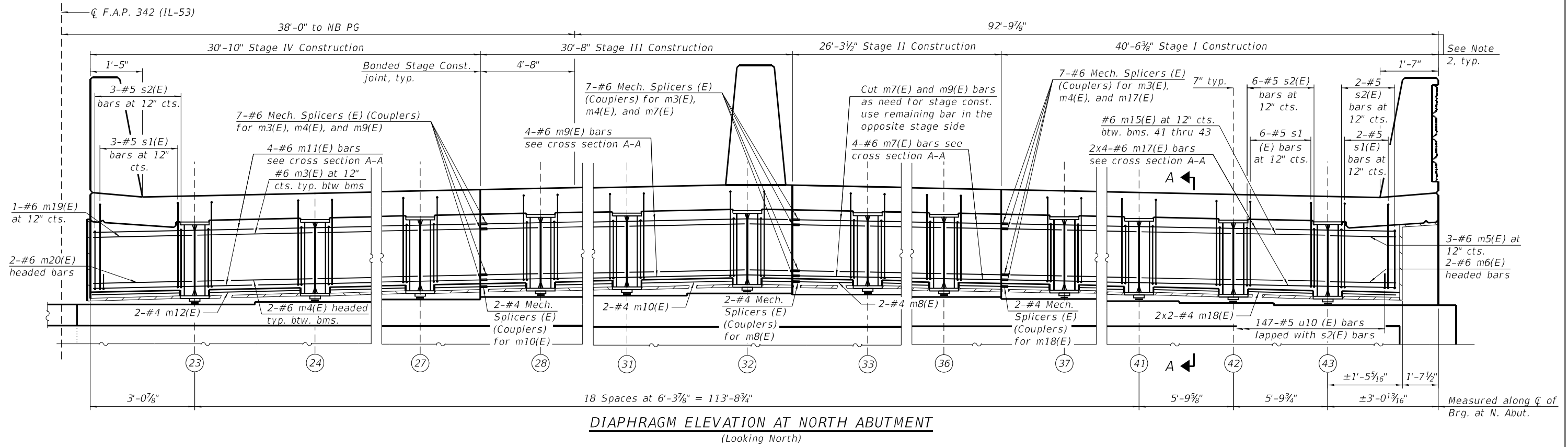
FIELD CUTTING DIAGRAM 2



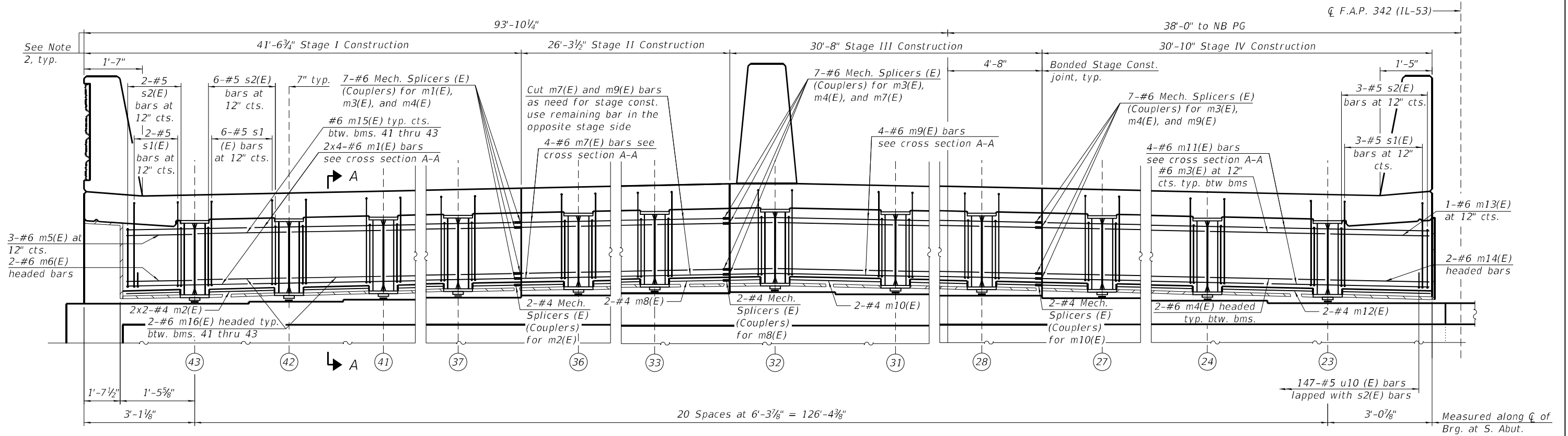
BAR v1(E), v50(E)

(Headed v1(E) - 268 #5 Bar Terminators)
(Headed v50(E) - 272 #5 Bar Terminators)

BAR a12(E), d62(E)



DIAPHRAGM ELEVATION AT NORTH ABUTMENT
(Looking North)



DIAPHRAGM ELEVATION AT SOUTH ABUTMENT
(Looking South)

MINIMUM BAR LAP

- #4 Bar = 2'-5"
- #6 Bar = 4'-10"

- Notes:
1. See Sheet 36 of 80 for Cross section and details.
 2. Measured at respective end of deck, See Deck Plan.

All dimensions and reinforcement bar spacings are measured perpendicular to PG unless noted otherwise.

MODEL: Default
 FILE NAME: S:\01\6300-6399\6346\113\Drawings\CAD\Micro-554\CAD_Sheets\01603782133-C2-034-SID1-5A.dgn
 2/11/2025 1:58:44 PM



1170 SOUTH HOUBOLT ROAD
 JOLIET, ILLINOIS 60431
 (815) 744-4200
 IDFPN NO. 184-001273

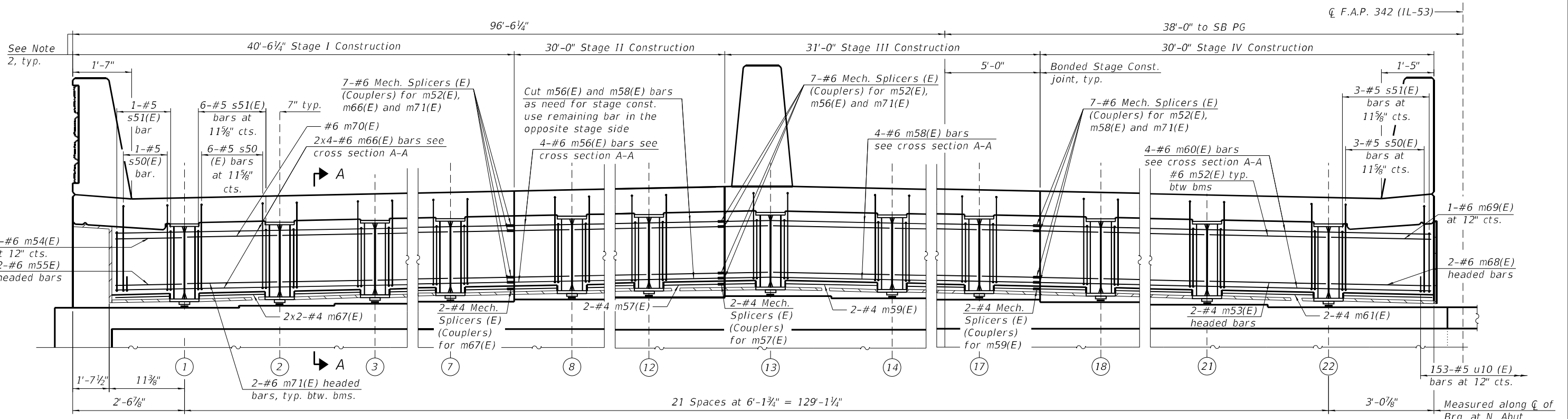
USER NAME = CodyH
 DESIGNED - TJE
 CHECKED - NDR
 PLOT SCALE = 0:2.0000" / in.
 DRAWN - CJH
 PLOT DATE = 2/11/2025
 CHECKED - TJE
 REVISED -
 REVISED -
 REVISED -
 REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

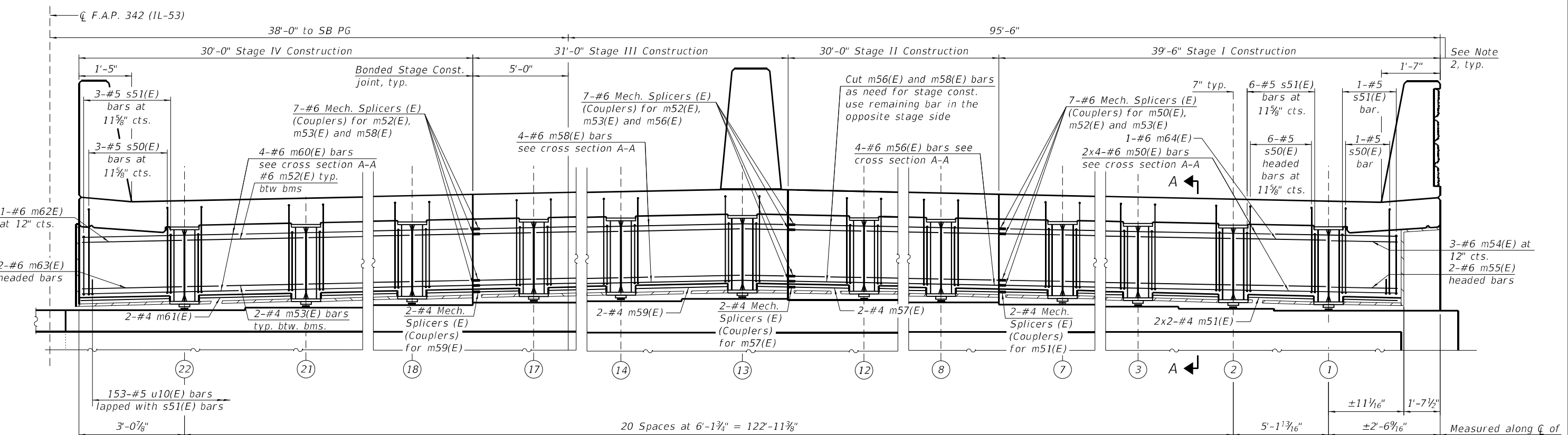
SEMI-INTEGRAL DIAPHRAGM
STRUCTURE NO. 016-0378 (NB)

SHEET 34 OF 80 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
342	2018-100-BR	COOK	1351	781
CONTRACT NO. 62N91				
ILLINOIS FED. AID PROJECT				



DIAPHRAGM ELEVATION AT NORTH ABUTMENT
(Looking North)



DIAPHRAGM ELEVATION AT SOUTH ABUTMENT
(Looking South)

All dimensions and reinforcement bar spacings are measured perpendicular to PG unless noted otherwise.

MINIMUM BAR LAP

- #4 Bar = 2'-5"
- #6 Bar = 4'-10"

- Notes:
1. See Sheet 36 of 80 for Cross section and details.
 2. Measured at respective end of decl, see Deck Plans.

MODEL: Default
 FILE NAME: S:\J\1\6300-6399\6346\113\Drawings\CAD\Micro-554\CAD_Sheets\1603782133-C2-035-SID2-5A1.dgn
 2/11/2025 1:58:46 PM


 1170 SOUTH HOUBOLT ROAD
 JOLIET, ILLINOIS 60431
 (815) 744-4200
 IDFPNR NO. 184-001273

USER NAME = CodyH	DESIGNED - TJE	REVISED -
PLOT SCALE = 0:2.0000' / in.	CHECKED - NDR	REVISED -
PLOT DATE = 2/11/2025	DRAWN - CJH	REVISED -
	CHECKED - TJE	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SEMI-INTEGRAL DIAPHRAGM
STRUCTURE NO. 016-2133 (SB)

SHEET 35 OF 80 SHEETS

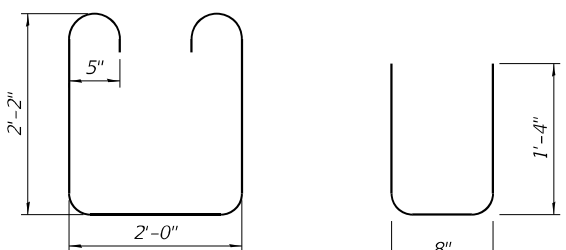
F.A.P. RTE. 342	SECTION 2018-100-BR	COUNTY COOK	TOTAL SHEETS 1351	SHEET NO. 782
CONTRACT NO. 62N91				
ILLINOIS FED. AID PROJECT				

SEMI-INTERGRAL DIAPHRAGM BILL OF MATERIALS

Structure No. 016-0378 (NB)

Structure No. 016-2133 (SB)

Bar	No.	Size	Length	Shape	Bar	No.	Size	Length	Shape				
m1(E)	8	#6	23'-1"	—	m50(E)	8	#6	22'-1"	—				
m2(E)	4	#4	22'-1"	—	m51(E)	4	#4	20'-11"	—				
m3(E)	38	#6	6'-1"	—	m52(E)	39	#6	5'-10"	—				
m4(E)	76	#6	6'-1"	—	m53(E)	78	#6	5'-10"	—				
m5(E)	2	#6	1'-6"	—	m54(E)	2	#6	0'-10"	—				
m6(E)	4	#6	1'-6"	—	m55(E)	4	#6	0'-10"	—				
m7(E)	8	#6	26'-8"	—	m56(E)	8	#6	30'-6"	—				
m8(E)	4	#4	26'-8"	—	m57(E)	4	#4	30'-6"	—				
m9(E)	8	#6	31'-2"	—	m58(E)	8	#6	31'-6"	—				
m10(E)	4	#4	31'-2"	—	m59(E)	4	#4	31'-6"	—				
m11(E)	8	#6	31'-4"	—	m60(E)	8	#6	30'-5"	—				
m12(E)	4	#4	31'-4"	—	m61(E)	8	#4	30'-5"	—				
m13(E)	1	#6	4'-10"	—	m62(E)	1	#6	4'-8"	—				
m14(E)	2	#6	4'-10"	—	m63(E)	2	#6	4'-8"	—				
m15(E)	2	#6	5'-5"	—	m64(E)	1	#6	4'-10"	—				
m16(E)	4	#6	5'-5"	—	m65(E)	2	#6	4'-10"	—				
m17(E)	8	#6	22'-1"	—	m68(E)	1	#6	5'-5"	—				
m18(E)	4	#4	21'-1"	—	m69(E)	2	#6	5'-5"	—				
m19(E)	1	#6	5'-9"	—	m70(E)	1	#6	5'-10"	—				
m20(E)	2	#6	5'-9"	—	m71(E)	2	#6	5'-10"	—				
s1(E)	250	#5	7'-2"	U	s50(E)	258	#5	7'-2"	U				
s2(E)	250	#5	6'-8"	U	s51(E)	258	#5	6'-8"	U				
u1(E)	294	#5	3'-4"	U	u50(E)	306	#5	3'-4"	U				
Structure Excavation					CU YD	656	Structure Excavation			CU YD	815		
Concrete Superstructure					CU YD	59.6	Concrete Superstructure					CU YD	58.4
Reinforcement Bars, Epoxy Coated					POUND	7,750	Reinforcement Bars, Epoxy Coated					POUND	7,680
Bar Terminators					EACH	676	Bar Terminators					EACH	694
Granular Backfill for Structures					CY YD	451	Granular Backfill for Structures					CY YD	600
Geocomposite Wall Drain					SQ YD	208	Geocomposite Wall Drain					SQ YD	241
Pipe Underdrains for Structures 4"					FOOT	298	Pipe Underdrains for Structures 4"					FOOT	311



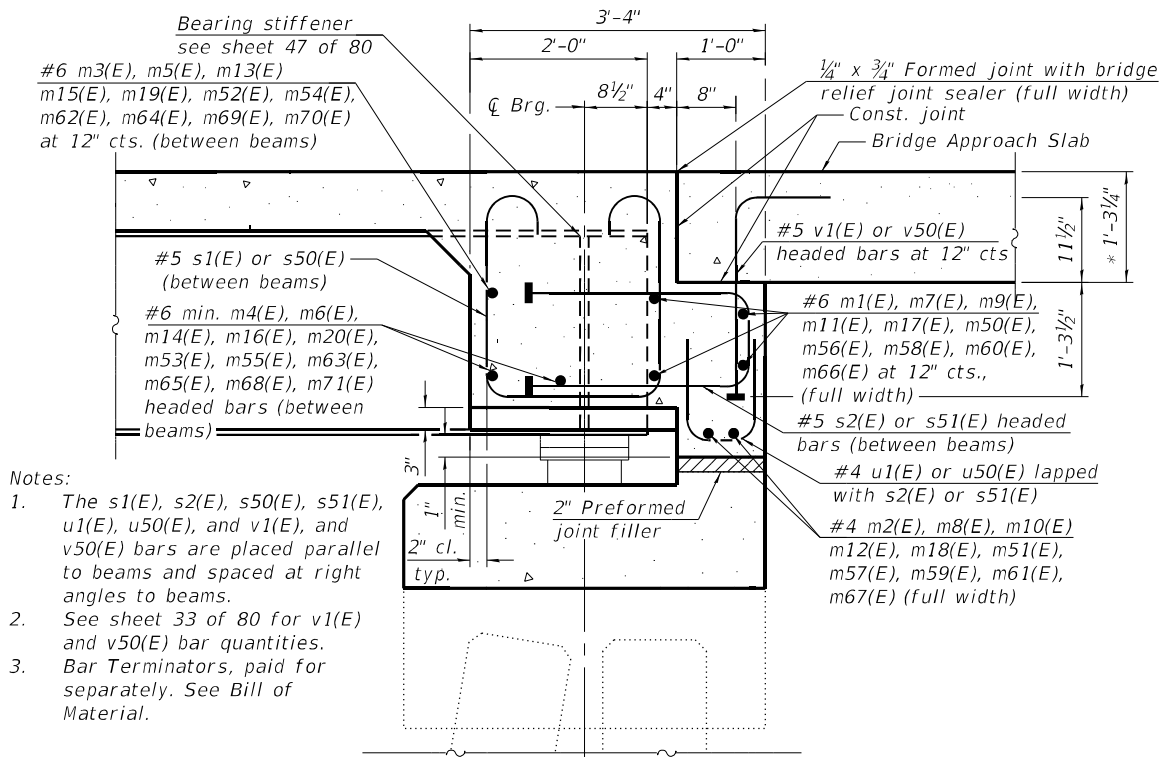
BAR s1(E), s50(E) BAR u1(E), u50(E)

BAR s2(E), s51(E)

(Headed s2(E) 500-#5 Bar Terminators)
(Headed s51(E) 516-#5 Bar Terminators)

APPROACH SLAB EDGE ELEVATIONS

Elev.	S.N. 016-2133		S.N. 016-0378	
	S. Abut	N. Abut	S. Abut	N. Abut
A	743.37	742.81	744.05	743.30
B	744.69	744.01	744.62	743.96
C	744.79	744.10	744.71	744.06
D	745.24	744.51	745.15	744.56
E	745.24	744.50	743.90	744.56
F	745.23	744.49	743.89	744.55
G	744.64	743.83	743.34	744.08
H	742.35	741.44	741.84	742.69

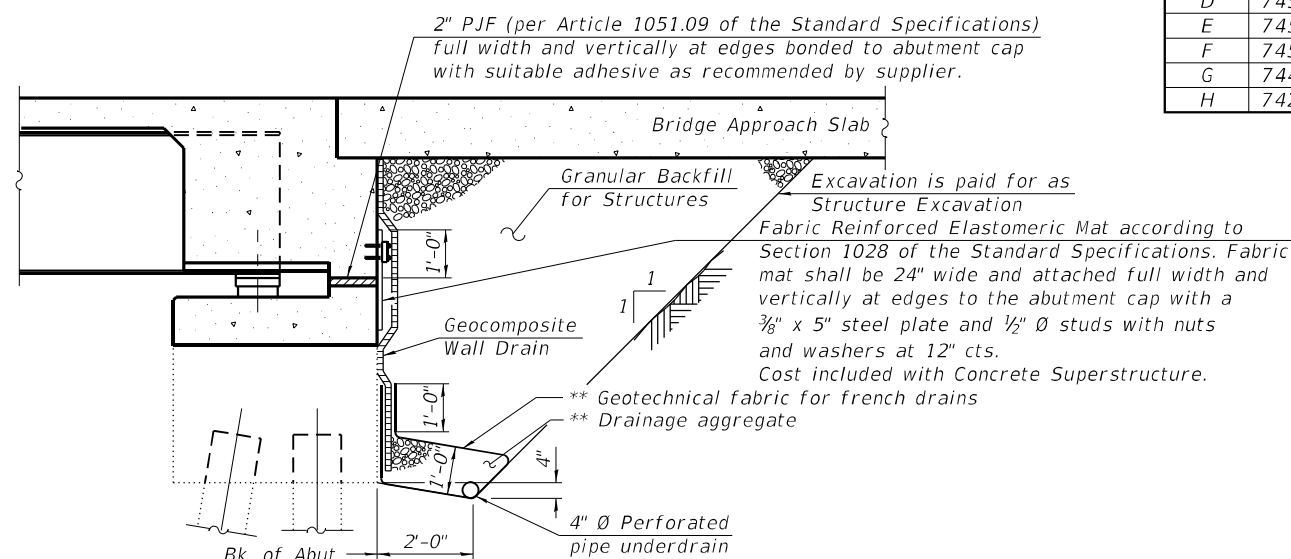


SECTION A-A

(Horiz. dim at Rt. <s Bk. of Abut.)

- Notes:
- The s1(E), s2(E), s50(E), s51(E), u1(E), u50(E), and v1(E), and v50(E) bars are placed parallel to beams and spaced at right angles to beams.
 - See sheet 33 of 80 for v1(E) and v50(E) bar quantities.
 - Bar Terminators, paid for separately. See Bill of Material.

* Prior to Grinding



SECTION THRU SEMI-INTEGRAL ABUTMENT

(Horiz. dim. at Rt. L's to Bk. of Abut.)

** Included in the cost of Pipe Underdrains for Structures

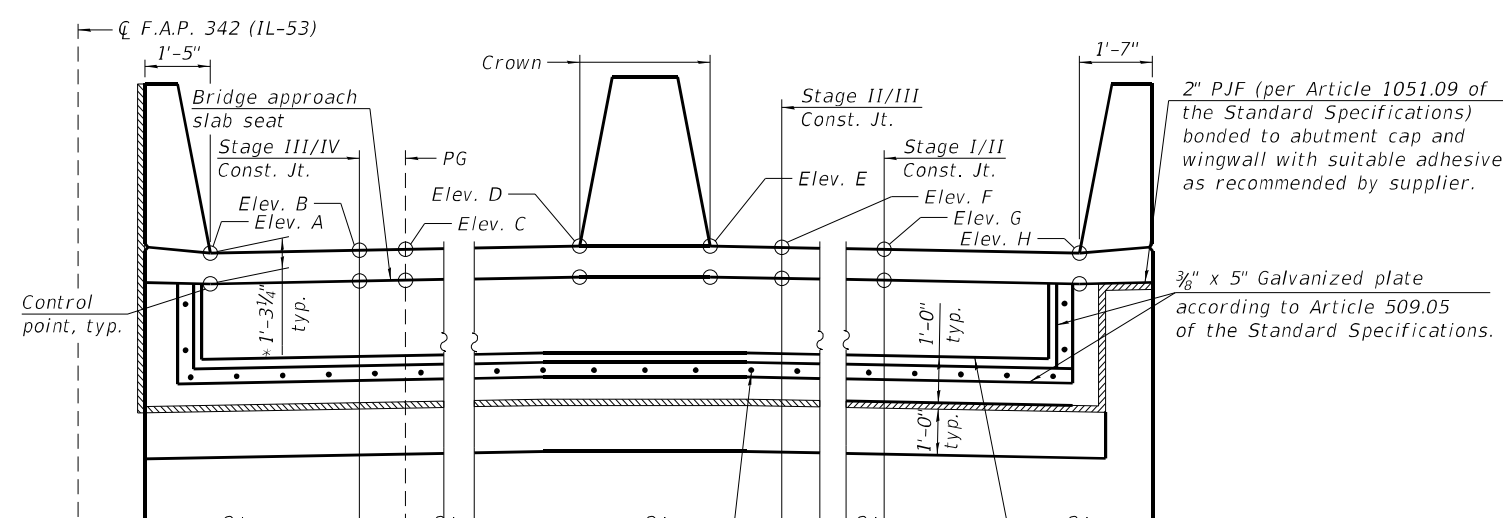


BAR m4(E), m6(E), m14(E), m16(E), m20(E)

(Headed m4(E) 152-#6 Bar Terminators)
(Headed m6(E) 8-#6 Bar Terminators)
(Headed m14(E) 4-#6 Bar Terminators)
(Headed m16(E) 8-#6 Bar Terminators)
(Headed m20(E) 4-#6 Bar Terminators)

BAR m53(E), m55(E), m63(E), m65(E), m68(E), m71(E)

(Headed m53(E) 156-#6 Bar Terminators)
(Headed m55(E) 8-#6 Bar Terminators)
(Headed m63(E) 4-#6 Bar Terminators)
(Headed m65(E) 4-#6 Bar Terminators)
(Headed m68(E) 2-#6 Bar Terminators)
(Headed m71(E) 4-#6 Bar Terminators)



ELEVATION

(Looking back of abutment)

* Prior to Grinding

Notes:

- All drainage system components shall extend to 2'-0" from the end of each wingwall except an outlet pipe shall extend until intersecting with the side slopes. The pipes shall drain into concrete headwalls. (See Article 601.05 of the Standard Specifications and Highway Standard 601101).
- Cost of fabric reinforced elastomeric mat, galvanized plate, stainless steel expansion bolts with nuts and washers and installation are included in the cost of Concrete Superstructure.
- All approach slab edge elevations maintain same orientation with Elev. A starting at interior parapets.
- The approach slab ledge shall have a constant slope determined from the control points show.
- Bar Terminators, paid for separately. See Bill of Material.

MODEL: Default
FILE NAME: S:\J01\6300-6399\6346\113\Drawings\CAD\Micro-554\CAD_Sheets\01603782133-C2-036-51D3-5AL.dgn
2/11/2025 1:58:55 PM

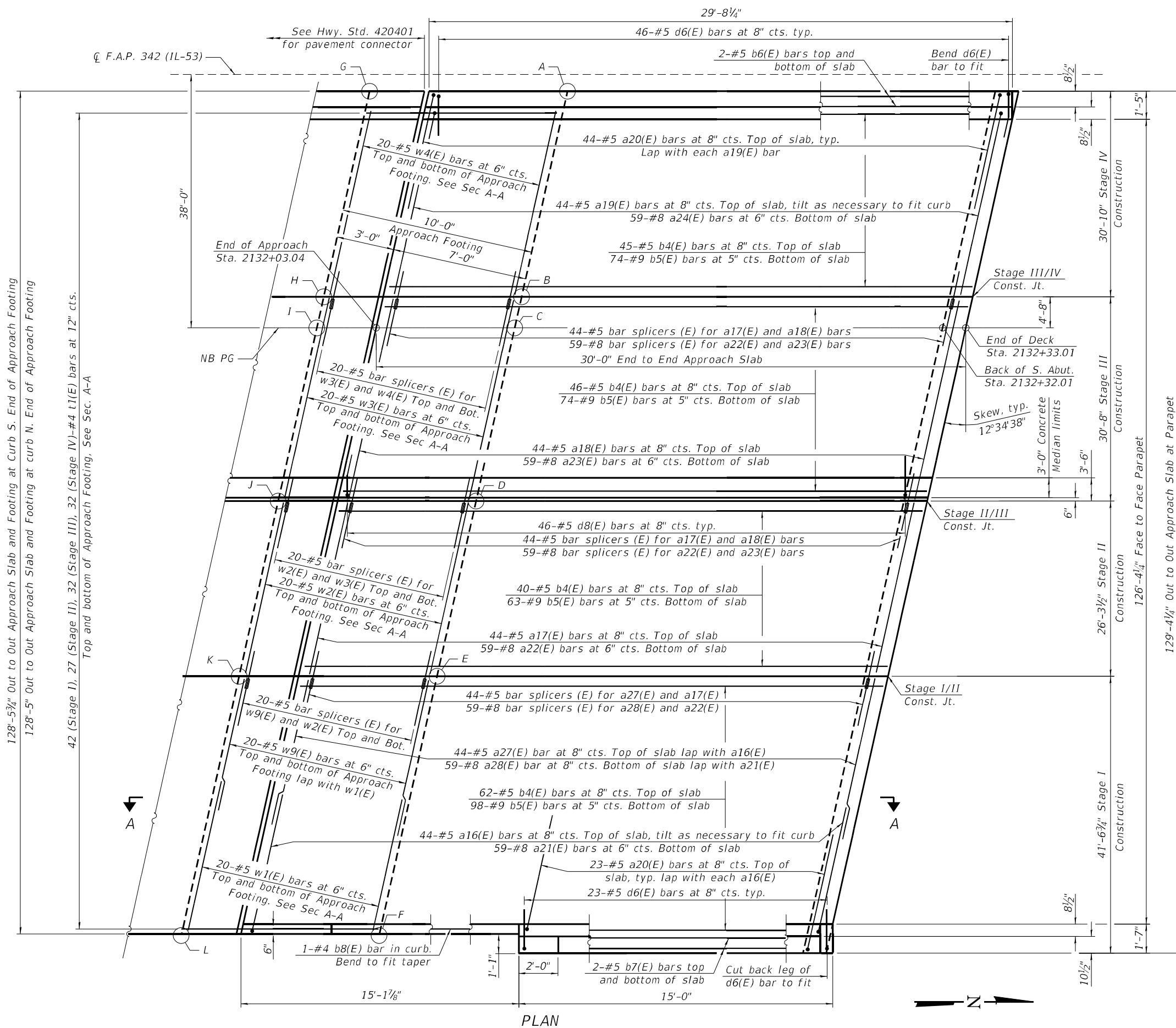
SA STRAND ASSOCIATES
1170 SOUTH HOUBOLT ROAD
JOLIET, ILLINOIS 60431
(815) 744-4200
IDFPR NO. 184-001273

USER NAME = CodyH	DESIGNED - TJE	REVISED -
PLOT SCALE = 0:2.0000" / in.	CHECKED - NDR	REVISED -
PLOT DATE = 2/11/2025	DRAWN - CJH	REVISED -
	CHECKED - TJE	REVISED -

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

SEMI-INTEGRAL DIAPHRAGM DETAILS
STRUCTURE NO. 016-0378 (NB) AND 016-2133 (SB)

F.A.P. RTE. 342	SECTION 2018-100-BR	COUNTY COOK	TOTAL SHEETS 1351	SHEET NO. 783
CONTRACT NO. 62N91				
ILLINOIS FED. AID PROJECT				



TOP AND BOTTOM ELEVATIONS FOR APPROACH FOOTING

South Approach		
Point	Top	Bottom
A	742.77	741.93
B	743.37	742.54
C	743.46	742.63
D	743.89	743.05
E	743.34	742.51
F	742.50	741.67
G	742.74	741.91
H	743.34	742.51
I	743.43	742.60
J	743.86	743.02
K	743.31	742.48
L	742.47	741.64

MINIMUM BAR LAP
 #5 Bar = 3'-0"
 #8 Bar = 4'-9"

Notes:
 1. See Sheet 39 and 43 of 80 for Cross Sections and details.

MODEL: Default
 FILE NAME: S:\JULI\6300-6399\6346\113\Drawings\CAD\Micro-554\CAD_Sheets\01603782133-C2-037-ASP-5A1.dgn
 2/11/2025 1:58:56 PM



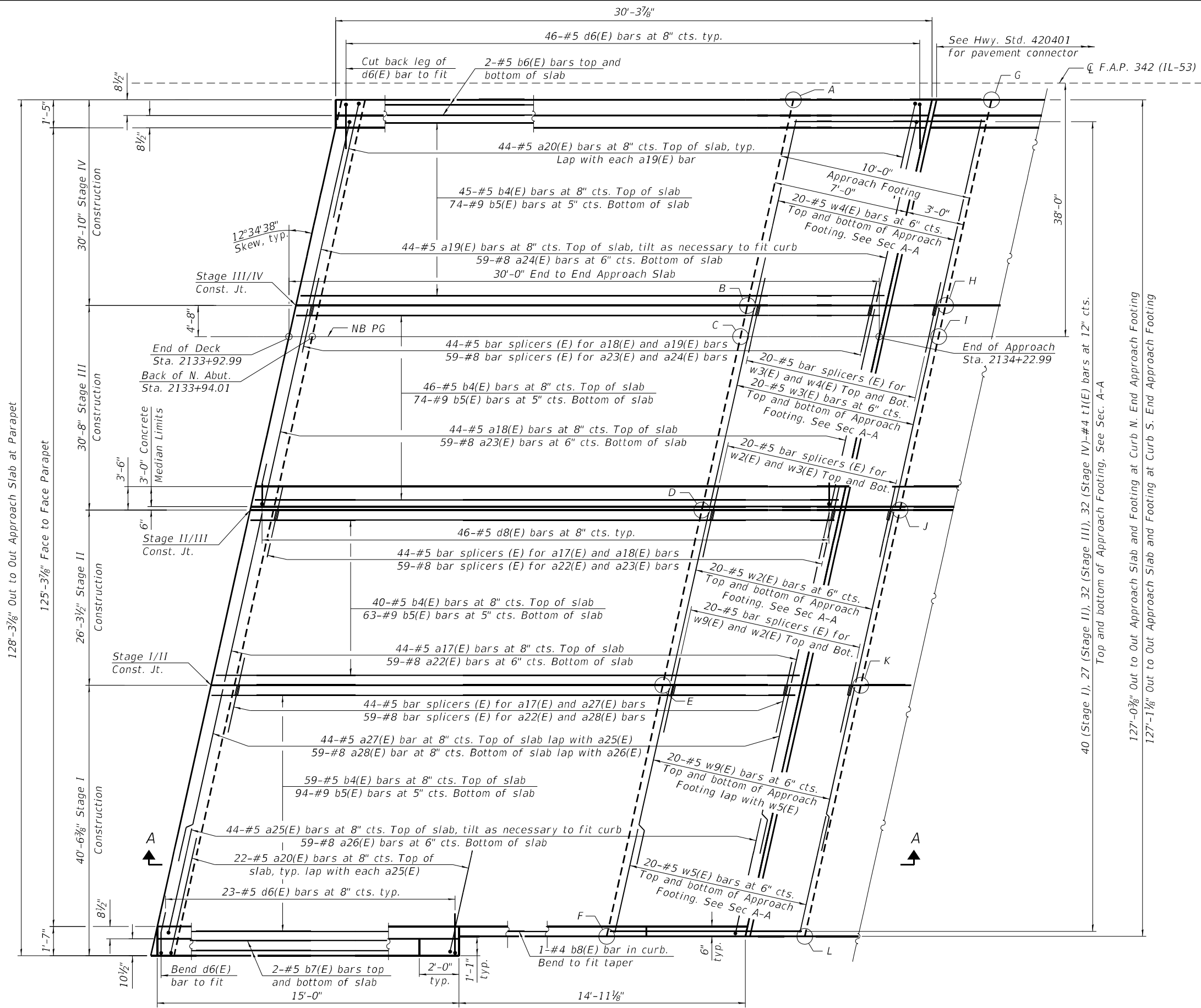
1170 SOUTH HOUBOLT ROAD
 JOLIET, ILLINOIS 60431
 (815) 744-4200
 IDPFR NO. 184-001273

USER NAME = CodyH
 DESIGNED - TJE
 CHECKED - NDR
 PLOT SCALE = 0:2.0000 "/>

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

SOUTH APPROACH SLAB PLAN (1 OF 2)
 STRUCTURE NO. 016-0378 (NB)

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
342	2018-100-BR	COOK	1351	784
CONTRACT NO. 62N91				
ILLINOIS FED. AID PROJECT				



TOP AND BOTTOM ELEVATIONS FOR APPROACH FOOTING

North Approach		
Point	Top	Bottom
A	741.75	740.92
B	742.45	741.61
C	742.55	741.72
D	743.05	742.22
E	742.59	741.76
F	741.89	741.06
G	741.63	740.80
H	742.33	741.49
I	742.43	741.60
J	742.94	742.11
K	742.48	741.65
L	741.79	740.96

PLAN

MINIMUM BAR LAP
 #5 Bar = 3'-0"
 #8 Bar = 4'-9"

Notes:
 1. See Sheet 39 and 43 of 80 for Cross Sections and details.

MODEL: Default
 FILE NAME: S:\JOL\6300-6399\6346\113\Drawings\CAD\Micro-554\CAD_Sheets\01603782133-C2-038-45P-5A1.dgn
 2/11/2025 1:58:58 PM

SA STRAND ASSOCIATES
 1170 SOUTH HOUBOLT ROAD
 JOLIET, ILLINOIS 60431
 (815) 744-4200
 IDFPR NO. 184-001273

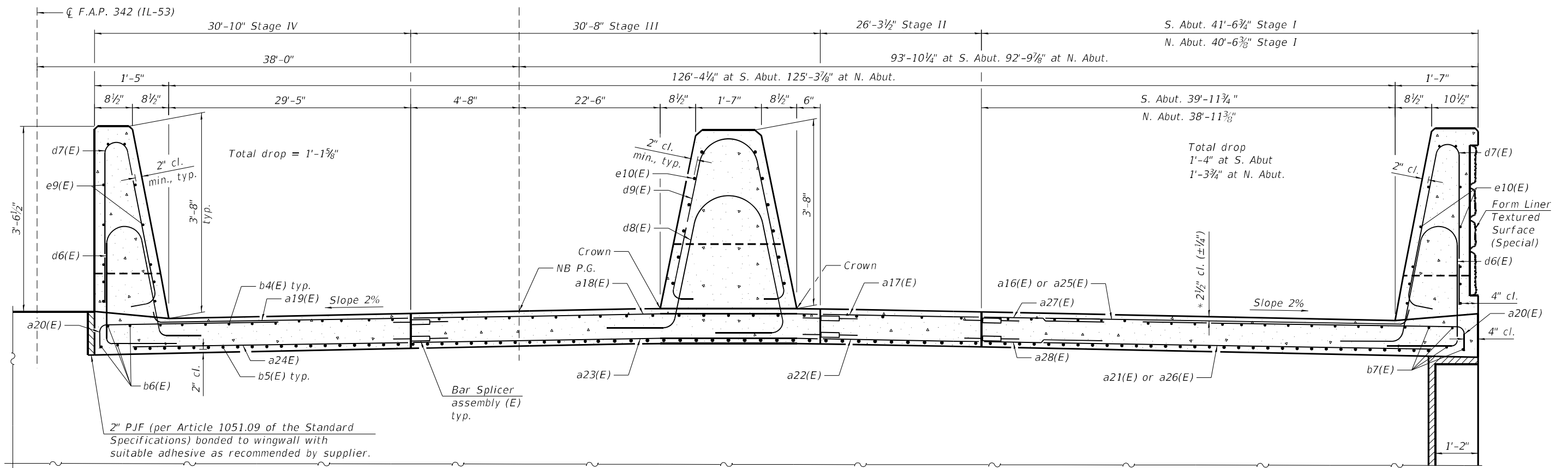
USER NAME = CodyH	DESIGNED - TJE	REVISED -
PLOT SCALE = 0:2.0000 "/in.	CHECKED - NDR	REVISED -
PLOT DATE = 2/11/2025	DRAWN - CJH	REVISED -
	CHECKED - TJE	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**NORTH APPROACH SLAB PLAN (2 OF 2)
 STRUCTURE NO. 016-0378 (NB)**

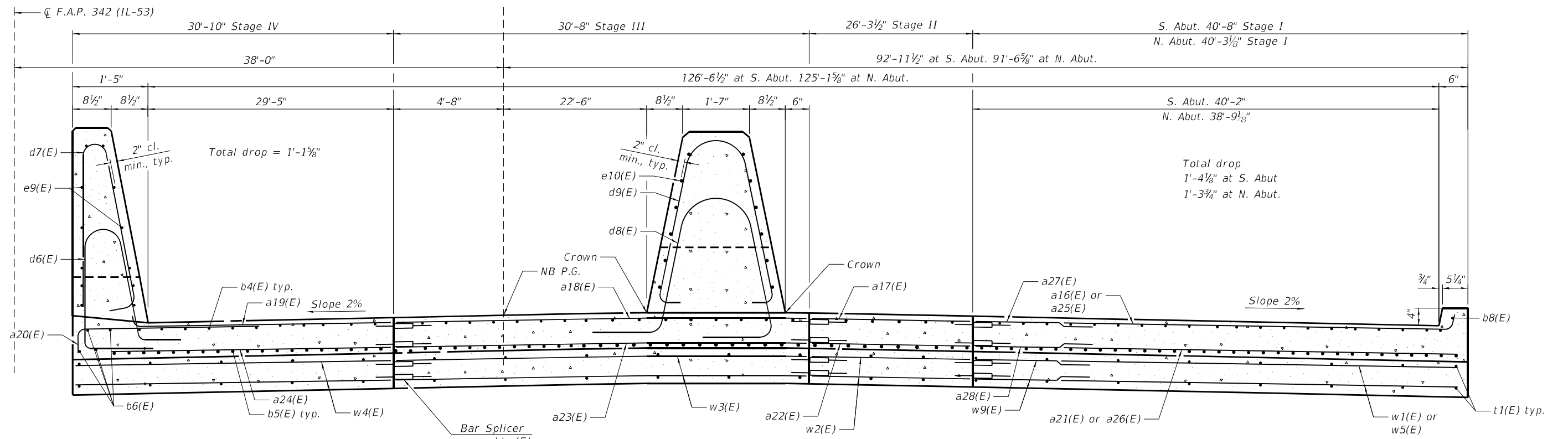
SHEET 38 OF 80 SHEETS

F.A.P. RTE. 342	SECTION 2018-100-BR	COUNTY COOK	TOTAL SHEETS 1351	SHEET NO. 785
CONTRACT NO. 62N91				
ILLINOIS FED. AID PROJECT				



CROSS SECTION NEAR ABUTMENT
(Looking North)

* Prior to grinding



CROSS SECTION AT APPROACH FOOTING
(Looking North)

Notes:
1. See sheet 43 of 80 for details and bill of materials.

MODEL: Default
FILE NAME: S:\JOLI\6300-6399\6346\113\Drawings\CAD\Micro-55A\CAD_Sheets\01603782133-C2-039-ASCS-SAL.dgn
2/11/2025 1:59:00 PM



1170 SOUTH HOUBOLT ROAD
JOLIET, ILLINOIS 60431
(815) 744-4200
IDFPR NO. 184-001273

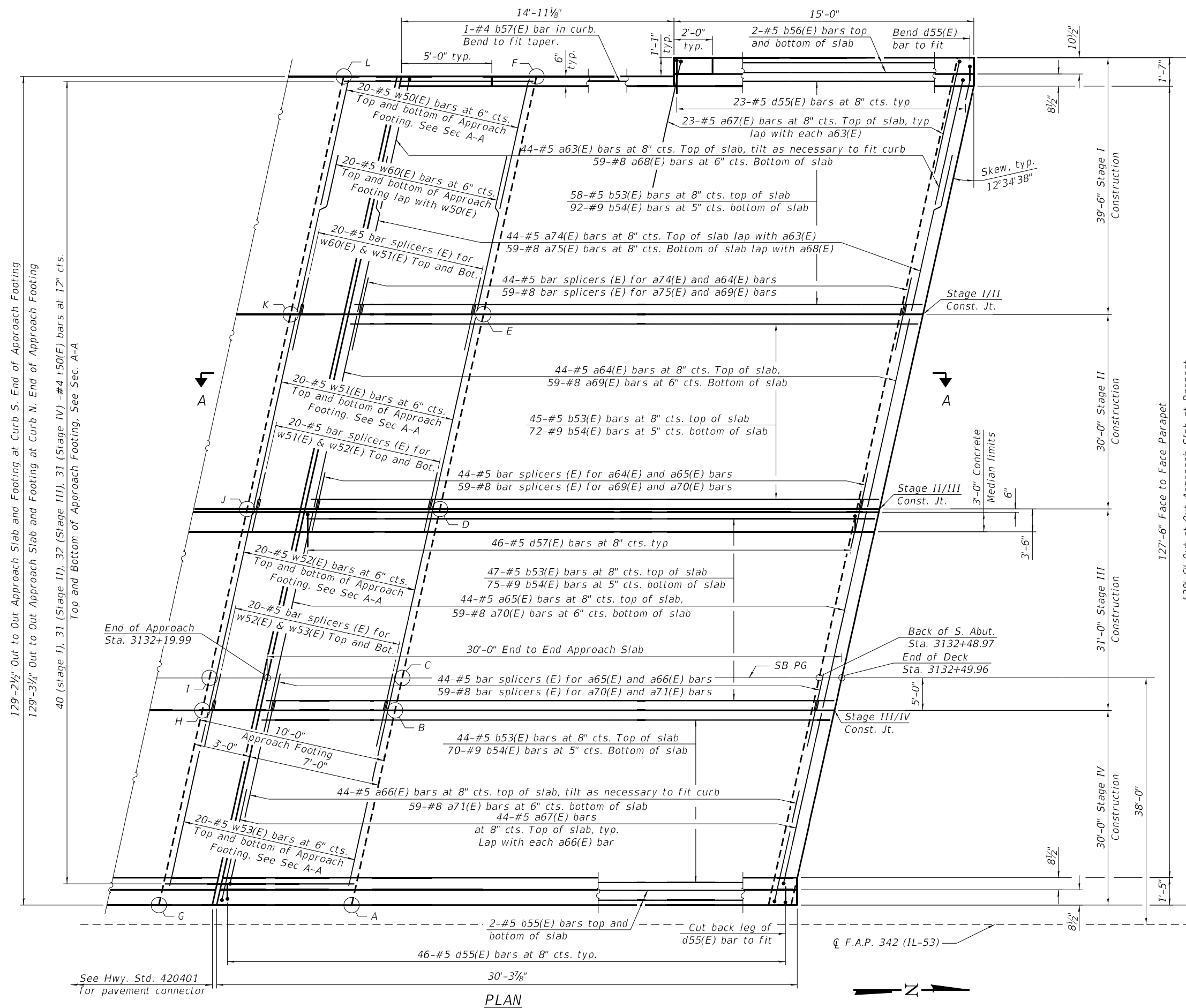
USER NAME = CodyH	DESIGNED - TJE	REVISED -
PLOT SCALE = 0:2.0000 "/>		

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

APPROACH SLAB CROSS SECTION
STRUCTURE NO. 016-0378 (NB)

SHEET 39 OF 80 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
342	2018-100-BR	COOK	1351	786
CONTRACT NO. 62N91				
ILLINOIS FED. AID PROJECT				



**TOP AND BOTTOM ELEVATIONS
FOR APPROACH FOOTING**

South Approach		
Point	Top	Bottom
A	742.82	741.98
B	743.42	742.59
C	743.53	742.69
D	743.97	743.14
E	743.37	742.54
F	742.61	741.78
G	742.80	741.96
H	743.41	742.58
I	743.51	742.68
J	743.96	743.13
K	743.37	742.53
L	742.61	741.77

MINIMUM BAR LAP

#5 Bar = 3'-0"
#8 Bar = 4'-9"

Notes:
1. See sheet 42 and 43 of 80 for Cross Sections and details.

MODEL: Default
FILE NAME: S:\JOL\6300-6399\6346\113\Drawings\CAD\Micro-55A\CAD_Sheets\01603782133-C2-040-ASP-5A.dgn
2/11/2025 1:59:01 PM



1170 SOUTH HOUBOLT ROAD
JOLIET, ILLINOIS 60431
(815) 744-4200
IDFPR NO. 184-001273

USER NAME = CodyH
DESIGNED - TJE
CHECKED - NDR
PLOT SCALE = 0:2.0000 "/in.
DRAWN - CJH
PLOT DATE = 2/11/2025
CHECKED - TJE
REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

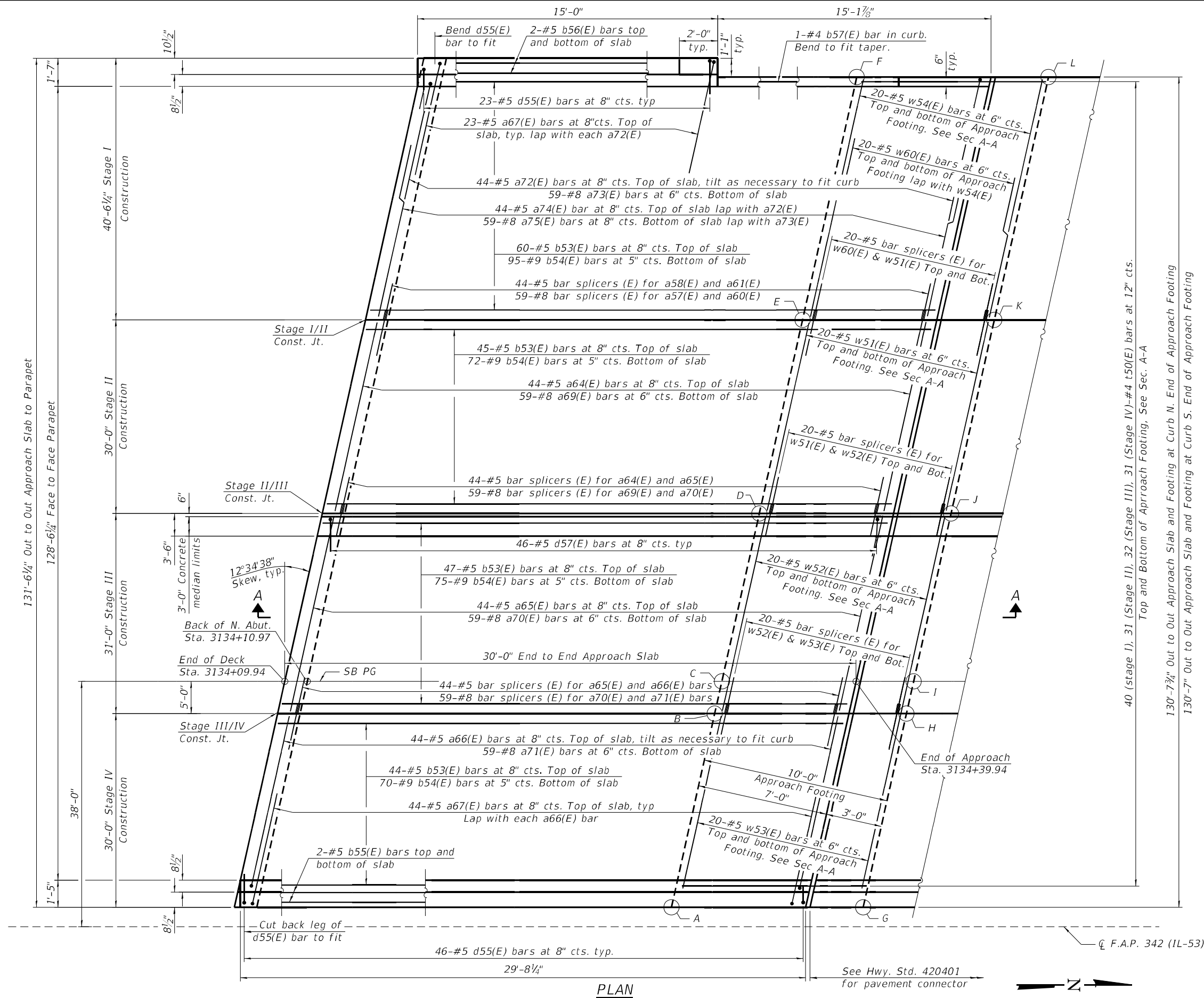
**SOUTH APPROACH SLAB PLAN (1 OF 2)
STRUCTURE NO. 016-2133 (SB)**

SHEET 40 OF 80 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
342	2018-100-BR	COOK	1351	787
CONTRACT NO. 62N91				
ILLINOIS FED. AID PROJECT				

TOP AND BOTTOM ELEVATIONS
FOR APPROACH FOOTING

North Approach		
Point	Top	Bottom
A	742.00	741.16
B	742.53	741.70
C	742.62	741.79
D	743.00	742.17
E	742.33	741.50
F	741.45	740.61
G	741.90	741.06
H	742.43	741.60
I	742.52	741.68
J	742.90	742.06
K	742.22	741.39
L	741.33	740.50



PLAN

MINIMUM BAR LAP
 #5 Bar = 3'-0"
 #8 Bar = 4'-9"

- Notes:
 1. See sheet 42 and 43 of 80 for Cross Sections and details.

MODEL: Default
 FILE NAME: S:\JOL\6300-6399\6346\113\Drawings\CAD\Micro-55A\CAD_Sheets\01603782133-C2-041-ASP-5A.dgn
 2/11/2025 1:59:02 PM

SA STRAND ASSOCIATES
 1170 SOUTH HOUBOLT ROAD
 JOLIET, ILLINOIS 60431
 (815) 744-4200
 IDPFR NO. 184-001273

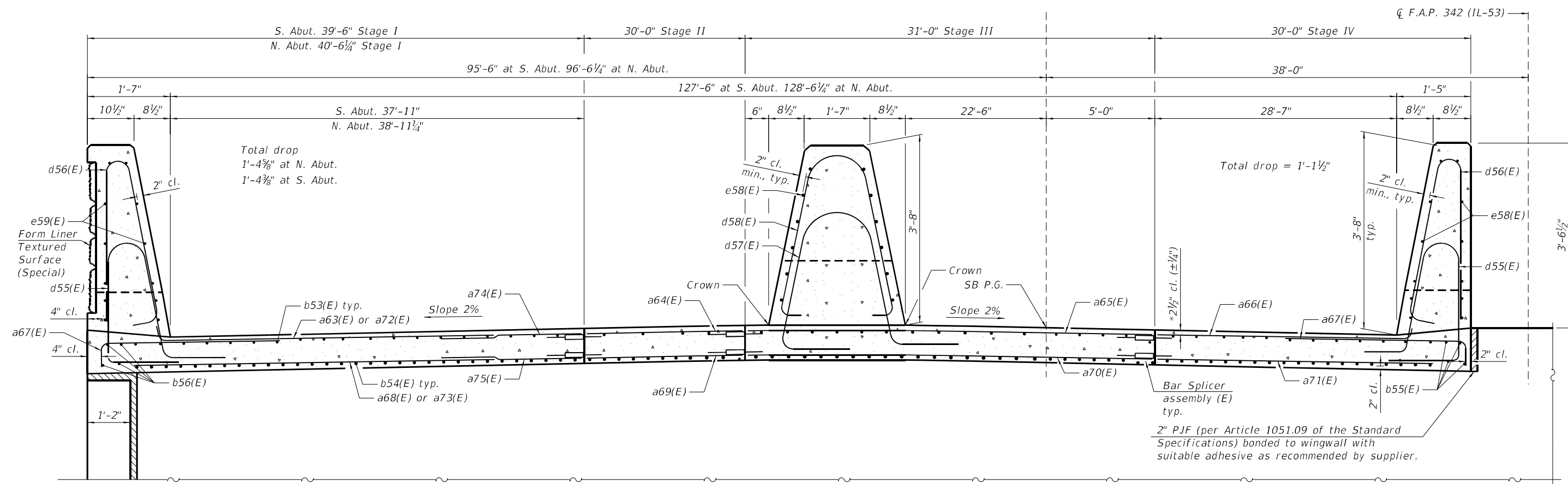
USER NAME = CodyH	DESIGNED - TJE	REVISED -
PLOT SCALE = 0:2.0000 "/>		

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

NORTH APPROACH SLAB PLAN (2 OF 2)
 STRUCTURE NO. 016-2133 (SB)

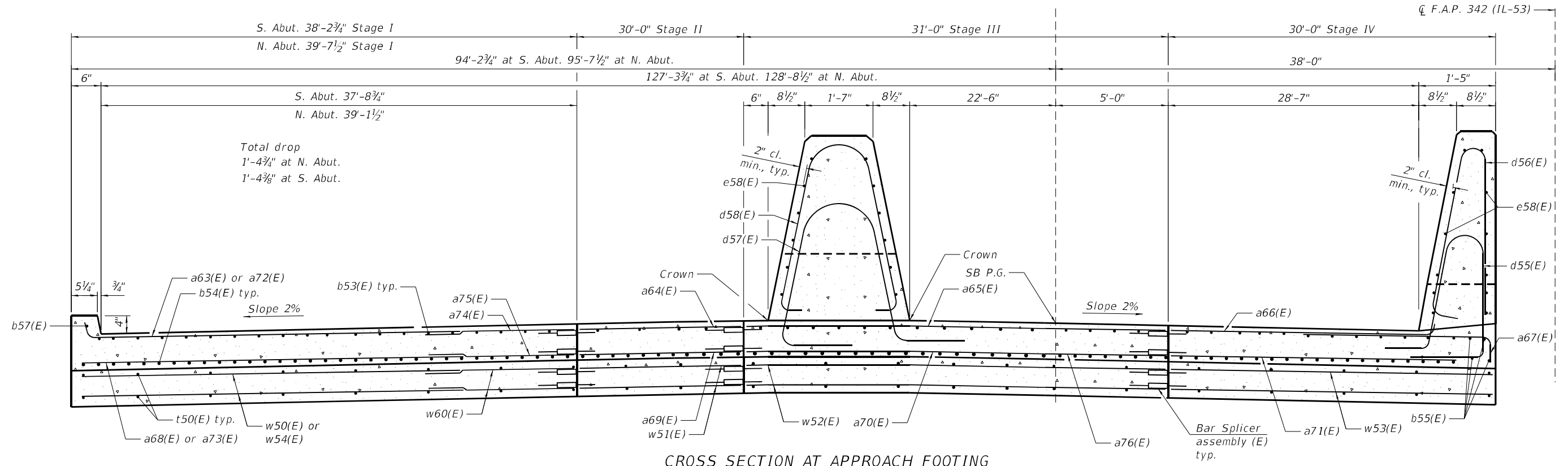
SHEET 41 OF 80 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
342	2018-100-BR	COOK	1351	788
CONTRACT NO. 62N91				
ILLINOIS FED. AID PROJECT				



CROSS SECTION NEAR ABUTMENT
(Looking North)

* Prior to grinding



CROSS SECTION AT APPROACH FOOTING
(Looking North)

Notes:
1. See sheet 43 of 80 for details and bill of materials.

MODEL: Default
FILE NAME: S:\JOL\6300-6399\6346\113\Drawings\CAD\Micro-554\CAD_Sheets\01603782133-C2-042-ASC5-SAL.dgn
2/11/2025 1:59:04 PM



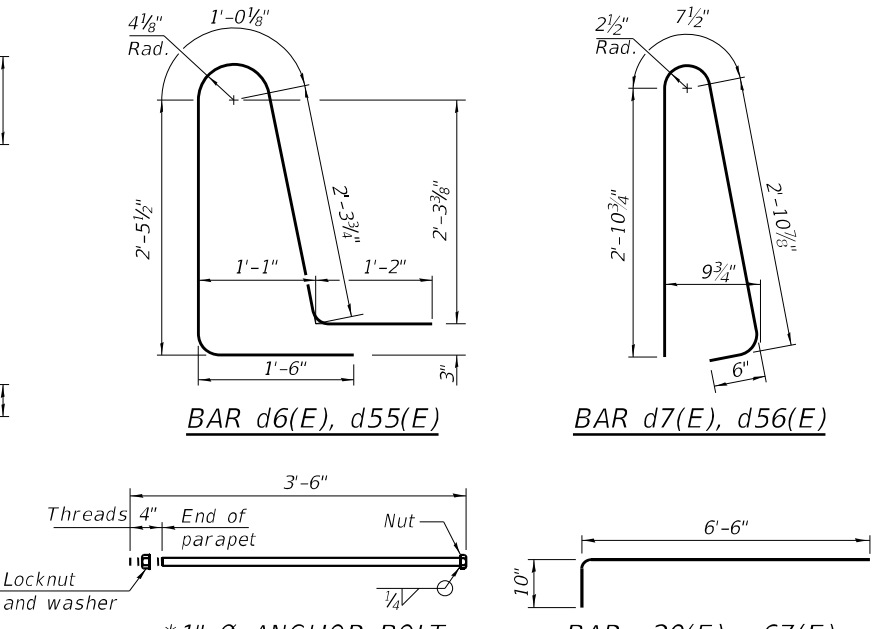
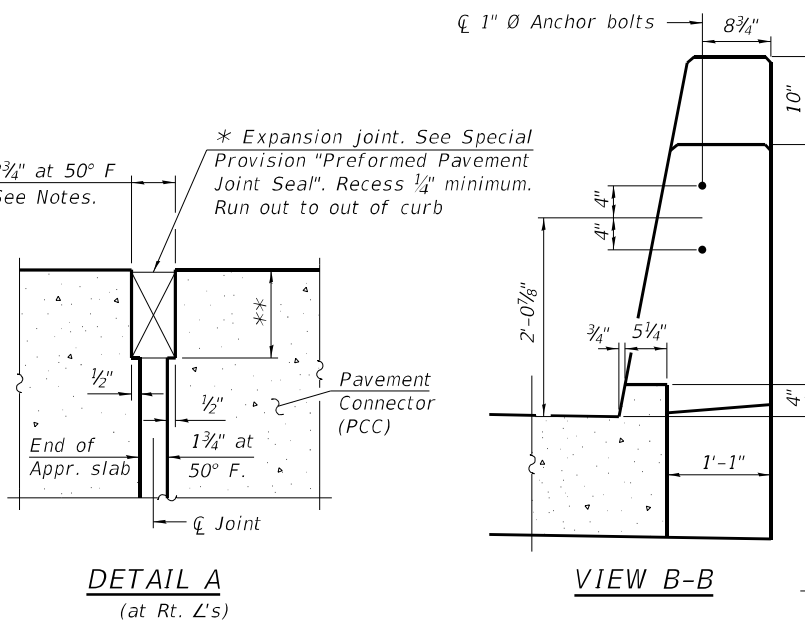
1170 SOUTH HOUBOLT ROAD JOLIET, ILLINOIS 60431 (815) 744-4200 IDFPR NO. 184-001273	USER NAME = CodyH	DESIGNED - TJE	REVISIONS
	PLOT SCALE = 0:2.0000 "/> <td>CHECKED - NDR</td> <td>REVISIONS</td>	CHECKED - NDR	REVISIONS
	PLOT DATE = 2/11/2025	DRAWN - CJH	REVISIONS
		CHECKED - TJE	REVISIONS

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**APPROACH SLAB CROSS SECTION
STRUCTURE NO. 016-2133 (SB)**

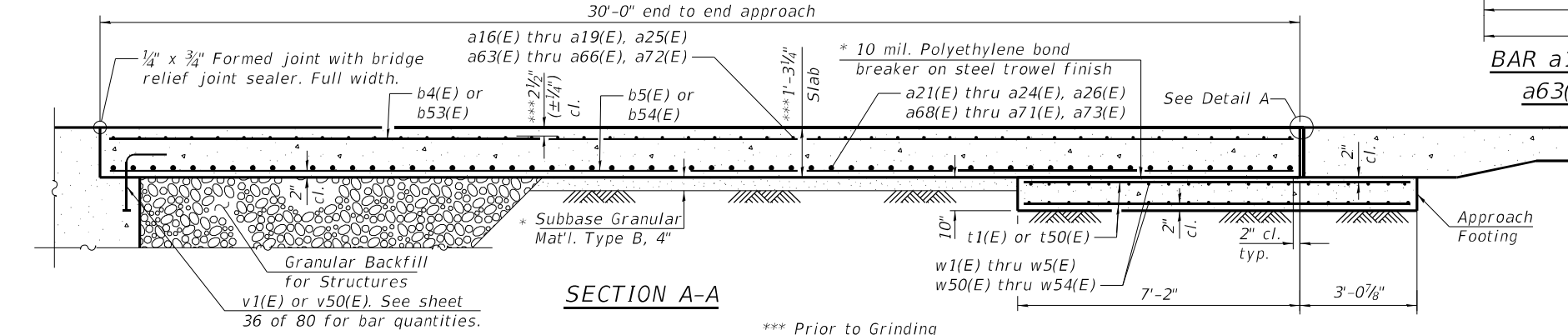
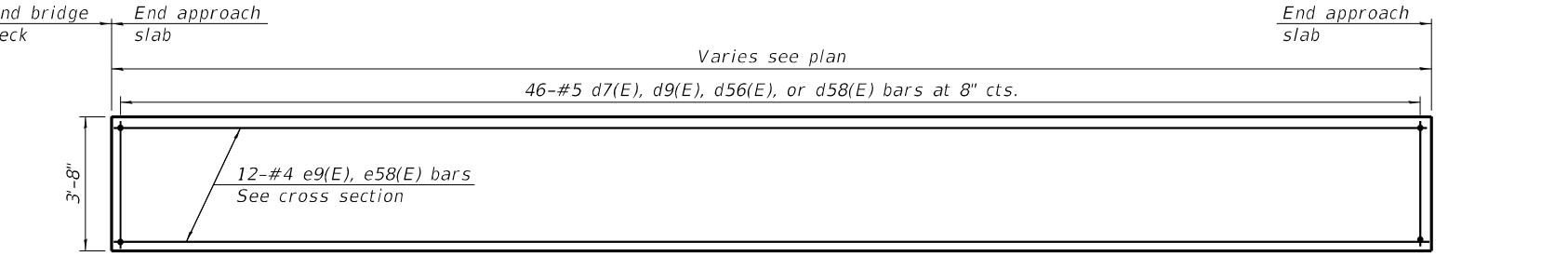
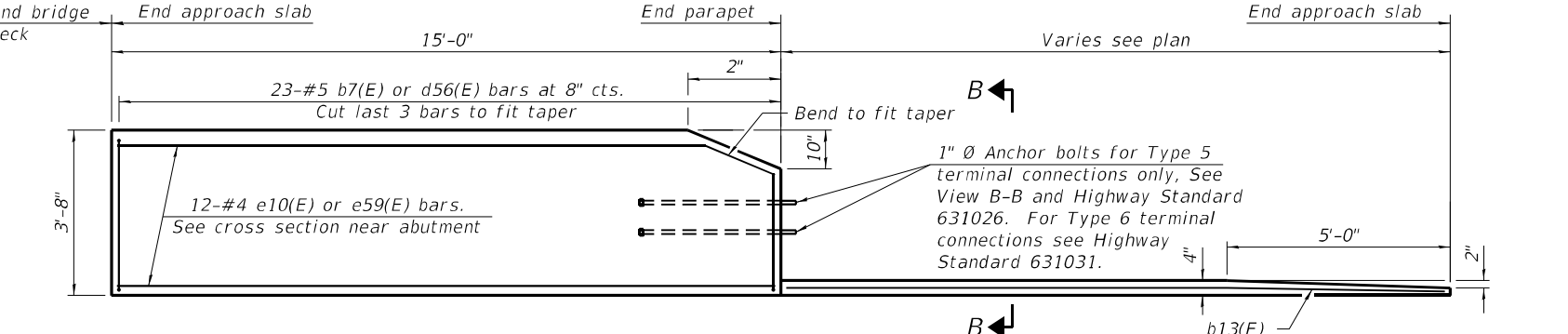
SHEET 42 OF 80 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
342	2018-100-BR	COOK	1351	789
CONTRACT NO. 62N91				
ILLINOIS FED. AID PROJECT				



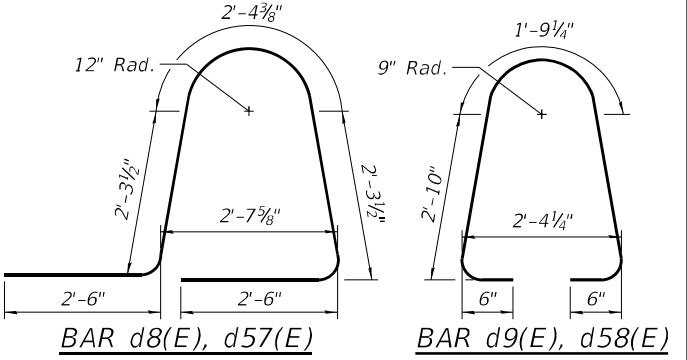
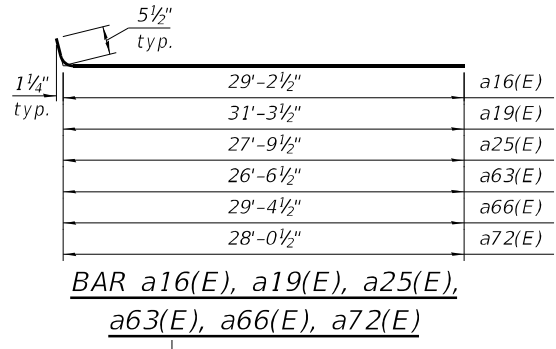
* Cost included with Concrete Superstructure (Approach Slab).
** Per manufacturer recommendations

* 1" Ø ANCHOR BOLT
(Anchor bolt assemblies shall be galvanized according to Article 1006.09 of the Standard Specifications)



TWO APPROACHES BILL OF MATERIAL

Structure No. 016-0378 (NB)					Structure No. 016-2133 (SB)						
Bar	No.	Size	Length	Shape	Bar	No.	Size	Length	Shape		
a16(E)	44	#5	29'-8"	┌───┐	a63(E)	44	#5	27'-0"	┌───┐		
a17(E)	88	#5	26'-8"	┌───┐	a64(E)	88	#5	30'-6"	┌───┐		
a18(E)	88	#5	31'-3"	┌───┐	a65(E)	88	#5	31'-6"	┌───┐		
a19(E)	88	#5	31'-9"	┌───┐	a66(E)	88	#5	29'-10"	┌───┐		
a20(E)	133	#5	7'-4"	┌───┐	a67(E)	134	#5	7'-4"	┌───┐		
a21(E)	59	#8	31'-3"	┌───┐	a68(E)	59	#8	28'-4"	┌───┐		
a22(E)	118	#8	26'-8"	┌───┐	a69(E)	118	#8	30'-6"	┌───┐		
a23(E)	118	#8	31'-3"	┌───┐	a70(E)	118	#8	31'-6"	┌───┐		
a24(E)	118	#8	31'-3"	┌───┐	a71(E)	118	#8	29'-5"	┌───┐		
a25(E)	44	#5	28'-3"	┌───┐	a72(E)	44	#5	28'-6"	┌───┐		
a26(E)	59	#8	29'-9"	┌───┐	a73(E)	59	#8	29'-5"	┌───┐		
a27(E)	88	#5	15'-0"	┌───┐	a74(E)	88	#5	15'-0"	┌───┐		
a28(E)	118	#8	15'-0"	┌───┐	a75(E)	118	#8	15'-0"	┌───┐		
b4(E)	383	#5	29'-8"	┌───┐	b53(E)	390	#5	29'-8"	┌───┐		
b5(E)	614	#9	29'-8"	┌───┐	b54(E)	621	#9	29'-8"	┌───┐		
b6(E)	8	#5	29'-4"	┌───┐	b55(E)	8	#5	30'-0"	┌───┐		
b7(E)	8	#5	14'-8"	┌───┐	b56(E)	8	#5	14'-8"	┌───┐		
b8(E)	2	#4	14'-9"	┌───┐	b57(E)	2	#4	14'-7"	┌───┐		
d6(E)	138	#5	8'-6"	└───┘	d55(E)	138	#5	8'-6"	└───┘		
d7(E)	138	#5	7'-0"	└───┘	d56(E)	138	#5	7'-0"	└───┘		
d8(E)	92	#5	11'-11"	└───┘	d57(E)	92	#5	11'-11"	└───┘		
d9(E)	92	#5	8'-5"	└───┘	d58(E)	92	#5	8'-5"	└───┘		
e9(E)	48	#4	29'-8"	┌───┐	e58(E)	48	#4	29'-8"	┌───┐		
e10(E)	24	#4	14'-8"	┌───┐	e59(E)	24	#4	14'-8"	┌───┐		
t1(E)	528	#4	9'-8"	┌───┐	t50(E)	536	#4	9'-8"	┌───┐		
w1(E)	40	#5	29'-6"	┌───┐	w50(E)	40	#5	26'-3"	┌───┐		
w2(E)	80	#5	26'-8"	┌───┐	w51(E)	80	#5	30'-6"	┌───┐		
w3(E)	80	#5	31'-3"	┌───┐	w52(E)	80	#5	31'-6"	┌───┐		
w4(E)	80	#5	31'-3"	┌───┐	w53(E)	80	#5	29'-5"	┌───┐		
w5(E)	40	#5	28'-0"	┌───┐	w54(E)	40	#5	28'-0"	┌───┐		
w9(E)	40	#5	15'-0"	┌───┐	w60(E)	80	#5	15'-0"	┌───┐		
Concrete Structures				CU YD	81.3	Concrete Structures				CU YD	82.3
Concrete Superstructure				CU YD	32.0	Concrete Superstructure				CU YD	32.0
Protective Coat				SQ YD	948	Protective Coat				SQ YD	956
Concrete Superstructure (Approach Slab)				CU YD	357.2	Concrete Superstructure (Approach Slab)				CU YD	363.3
Reinforcement Bars, Epoxy Coated				POUND	149,940	Reinforcement Bars, Epoxy Coated				POUND	149,630
Bridge Deck Grooving (Longitudinal)				SQ YD	793	Bridge Deck Grooving (Longitudinal)				SQ YD	808
Concrete Color Additive				CU YD	4.9	Concrete Color Additive				CU YD	4.9
Diamond Grinding (Bridge Section)				SQ YD	767	Diamond Grinding (Bridge Section)				SQ YD	781
Form Liner Textured Surface (Special)				SQ FT	107	Form Liner Textured Surface (Special)				SQ FT	107
Concrete Sealant (Special)				SQ YD	10	Concrete Sealant (Special)				SQ YD	10



- Notes:
- The joint opening shall be adjusted for temperature per Article 520.04 of the Standard Specifications. However, since this detail is for jointless structures, the length of bridge used to calculate the adjustment shall be equal to half the total bridge length plus the length of the bridge approach slab.
 - Parapet concrete shall be paid for as Concrete Superstructure.
 - Approach slab shall be paid for as Concrete Superstructure (Approach Slab).
 - Approach footing concrete shall be paid for as Concrete Structures.
 - The approach footing maximum applied service bearing pressure (Qmax) = 2.0 ksf.
 - Cost of excavation for approach footing included with Concrete Structures.
 - For Granular Backfill for Structures and drainage treatment details, see sheet 36 of 80.

MODEL: Default
FILE NAME: S:\O\16300-6399\6346\113\Drawings\CAD\Micro-554\CAD_Sheets\01603782133-C2-043-ASP-SAL.dgn
2/11/2025 1:59:16 PM



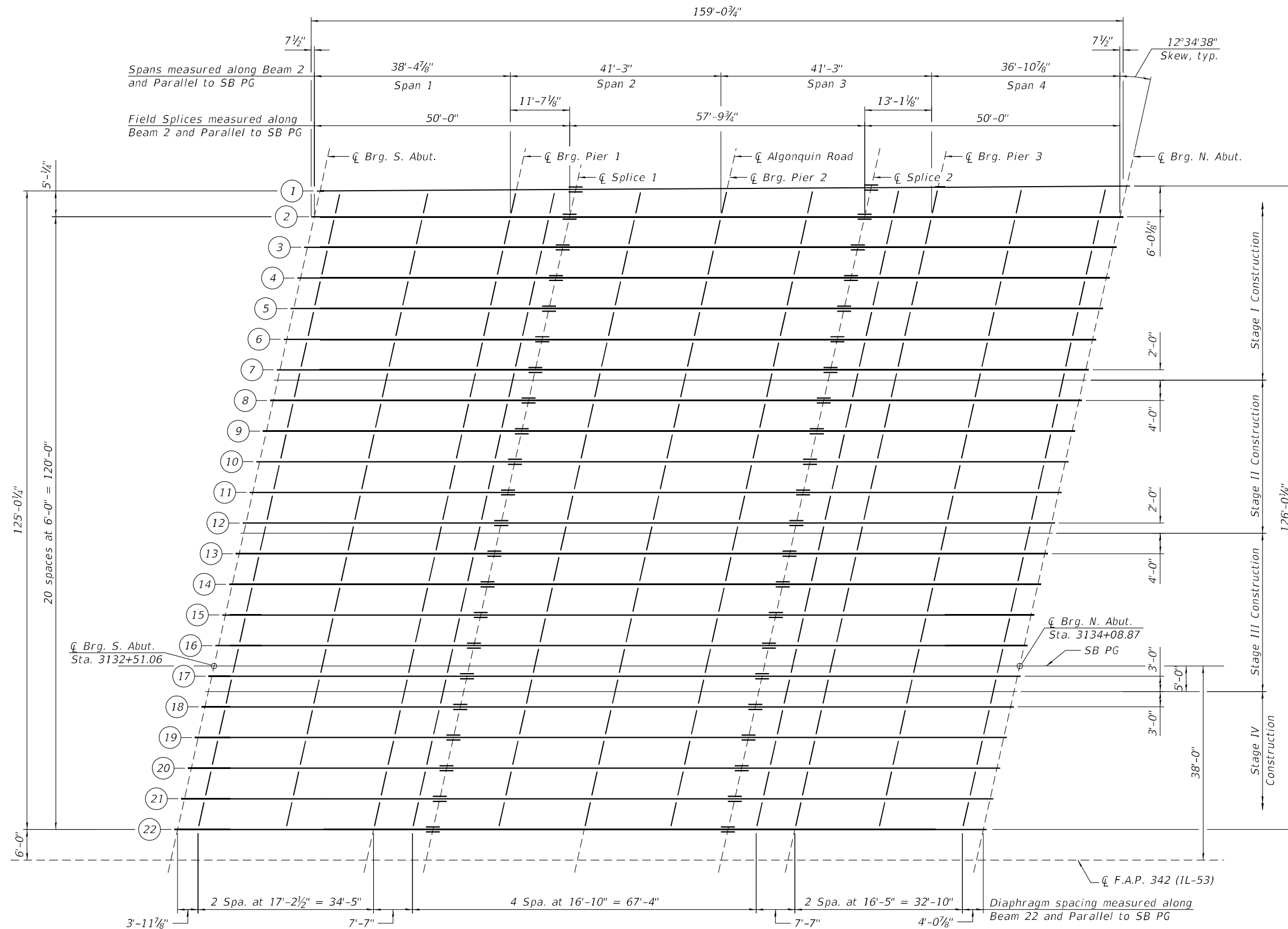
USER NAME = CodyH	DESIGNED - TJE	REVISED -
PLOT SCALE = 0:2.0000" = 1" / in.	CHECKED - NDR	REVISED -
PLOT DATE = 2/11/2025	DRAWN - CJH	REVISED -
	CHECKED - TJE	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

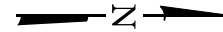
**APPROACH SLAB DETAILS
STRUCTURE NO. 016-0378 (NB) AND 016-2133 (SB)**

SHEET 43 OF 80 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
342	2018-100-BR	COOK	1351	790
CONTRACT NO. 62N91				
ILLINOIS FED. AID PROJECT				



FRAMING PLAN



Notes:
1. Work this sheet with sheets 46 thru 48 of 80.

MODEL: Default
FILE NAME: S:\JOLI\6300-6399\6346\113\Drawings\CAD\Micro-55A\CAD_Sheets\01603782133-C2-044-FP-SAL.dgn
2/11/2025 1:59:18 PM



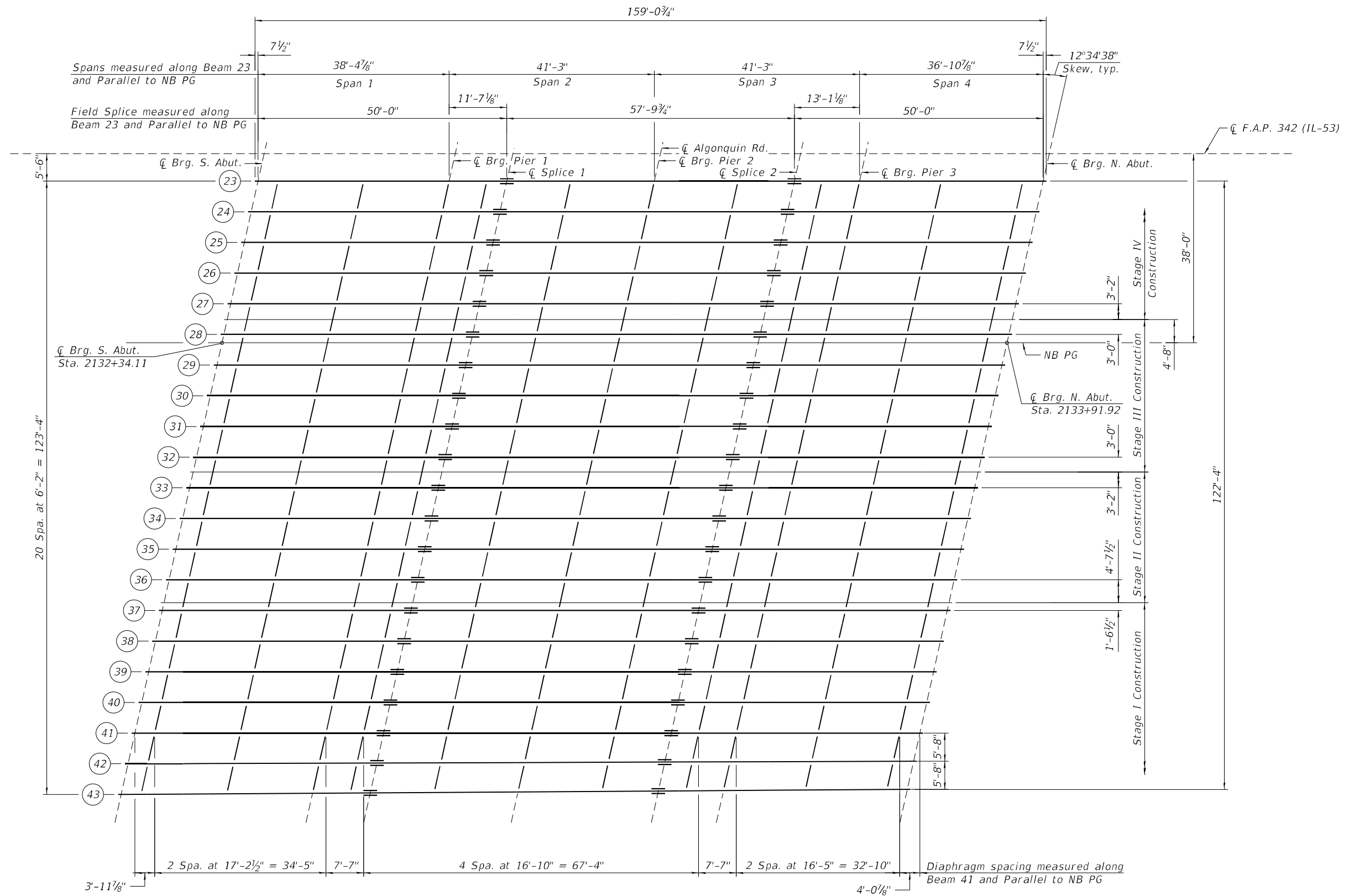
USER NAME = CodyH	DESIGNED - TJE	REVISED -
PLOT SCALE = 0:2.0000 "/>		

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

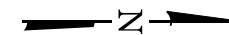
**FRAMING PLAN
STRUCTURE NO. 016-2133 (SB)**

SHEET 44 OF 80 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
342	2018-100-BR	COOK	1351	791
CONTRACT NO. 62N91				
ILLINOIS		FED. AID PROJECT		



FRAMING PLAN



Notes:
1. Work this sheet with sheets 46 thru 48 of 80.

MODEL: Default
FILE NAME: S:\JOLI\6300-6399\6346\113\Drawings\CAD\Micro-554\CAD_Sheets\01603782133-C2-045-FP-SAL.dgn
2/11/2025 1:59:19 PM



1170 SOUTH HOUBOLT ROAD JOLIET, ILLINOIS 60431 (815) 744-4200 IDFPR NO. 184-001273	USER NAME = CodyH	DESIGNED - TJE	REVISED -
		CHECKED - NDR	REVISED -
	PLOT SCALE = 0:2.0000'"/in.	DRAWN - CJH	REVISED -
	PLOT DATE = 2/11/2025	CHECKED - TJE	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**FRAMING PLAN
STRUCTURE NO. 016-0378 (NB)**

SHEET 45 OF 80 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
342	2018-100-BR	COOK	1351	792
CONTRACT NO. 62N91				
ILLINOIS		FED. AID PROJECT		

DEFINITIONS

I_s, S_s: Non-composite moment of inertia and section modulus of the steel section used for computing *f_s* (Total-Strength I, and Service II) due to non-composite dead loads (in.⁴ and in.³).

I_c (n), S_c (n): Composite moment of inertia and section modulus of the steel and deck based upon the modular ratio, "n", used for computing *f_s* (Total-Strength I, and Service II) in uncracked sections due to short-term composite live loads (in.⁴ and in.³).

I_c (3n), S_c (3n): Composite moment of inertia and section modulus of the steel and deck based upon 3 times the modular ratio, "3n", used for computing *f_s* (Total-Strength I, and Service II) in uncracked sections, due to long-term composite (superimposed) dead loads (in.⁴ and in.³).

I_c (cr), S_c (cr): Composite moment of inertia and section modulus of the steel and longitudinal deck reinforcement, used for computing *f_s* (Total-Strength I and Service II) in cracked sections, due to both short-term composite live loads and long-term composite (superimposed) dead loads (in.⁴ and in.³).

S_x: Section modulus about the major axis of a section to the controlling flange, tension or compression, taken as yield moment with respect to the controlling flange over the yield strength of the controlling flange (in.³).

DC1: Un-factored non-composite dead load (kips/ft.).

M_{DC1}: Un-factored moment due to non-composite dead load (kip-ft.).

DC2: Un-factored long-term composite (superimposed excluding future wearing surface) dead load (kips/ft.).

M_{DC2}: Un-factored moment due to long-term composite (superimposed excluding future wearing surface) dead load (kip-ft.).

DW: Un-factored long-term composite (superimposed future wearing surface only) dead load (kips/ft.).

M_{DW}: Un-factored moment due to long-term composite (superimposed future wearing surface only) dead load (kip-ft.).

LLDF: Live Load Distribution Factor for moment and shear computed according to Article 4.6.2.2 and further IDOT provisions.

M_{L+IM}: Un-factored live load moment plus dynamic load allowance (impact)(kip-ft.).

M_u: Strength I load combination of factored design moments (kip-ft.).

1.25 (M_{DC1} + M_{DC2}) + 1.5 M_{DW} + 1.75 M_{L+IM}

f_t: Factored calculated flange lateral bending stress as calculated using Article 6.10.1.6 and as further simplified by IDOT provisions (ksi).

Φ_rM_n: Factored nominal flexural resistance of the section determined as specified in Article 6.10.7.1 or A6 as applicable (kip-ft.).

f_sDC1: Un-factored stress at edge of flange for controlling steel flange due to vertical non-composite dead loads as calculated below (ksi).

M_{DC1}/S_s

f_sDC2: Un-factored stress at edge of flange for controlling steel flange due to vertical composite dead loads as calculated below (ksi).

M_{DC2} / S_c (3n) or M_{DC2} / S_c (cr) as applicable.

f_sDW: Un-factored stress at edge of flange for controlling steel flange due to vertical composite future wearing surface loads as calculated below (ksi).

M_{DW} / S_c (3n) or M_{DW} / S_c (cr) as applicable.

f_s (L+IM): Un-factored stress at edge of flange for controlling steel flange due to vertical composite live load plus impact loads as calculated below (ksi).

M_{L+IM} / S_c (n) or M_{L+IM} / S_c (cr) as applicable.

f_s + f_t/2 (Service II): Sum of stresses as computed below (ksi).

f_s DC1 + f_s DC2 + f_s DW + 1.3 f_s (L + IM) + f_t/2

Service II Resistance: Composite (0.95R_nF_{yr}) or noncomposite (0.80R_nF_{yr}) stress capacity according to Article 6.10.4.2 (ksi).

f_s + f_t/3 (Strength I): Sum of stresses as computed below on non-compact sections (ksi).

1.25 (f_s DC1 + f_s DC2) + 1.5 f_s DW + 1.75 f_s (L + IM) + f_t/3

Φ_rF_n: Factored nominal flexural resistance of the section as specified in Article 6.10.7.2 or 6.10.8 as applicable (ksi).

V_r: Maximum factored shear range in span computed according to Article 6.10.10.

OCF: Obtuse Correction Factor according to Article 4.6.2.2.3c or as further simplified by IDOT provisions.

R_{DC1}: Un-factored reaction due to non-composite dead load (kip).

R_{DC2}: Un-factored reaction due to long-term composite (superimposed excluding future wearing surface) dead load (kip).

R_{DW}: Un-factored reaction due to long-term composite (superimposed future wearing surface only) dead load (kip).

R_L: Un-factored live load reaction (kip).

R_{IM}: Un-factored dynamic load allowance (impact) (kip).

R_{Total}(Strength I)(Impact): Strength I load combination of factored design reactions (kip).

1.25 (R_{DC1} + R_{DC2}) + 1.5 R_{DW} + 1.75 (R_L + R_{IM})

R_{Total}(Strength I)(No Impact): Strength I load combination of factored design reactions, not including dynamic load allowance (Impact) (kip).

1.25 (R_{DC1} + R_{DC2}) + 1.5 R_{DW} + 1.75 (R_L)

Note:
M_L and R_L include the effects of centrifugal force and superelevation.

SN 016-0378 (NB Bridge) - INTERIOR BEAM MOMENT TABLE							
	0.4 Sp. 1	Pier 1	0.5 Sp. 2	Pier 2	0.5 Sp. 3	Pier 3	0.6 Sp. 4
I _s	(in ⁴)	3,270	3,270	3,270	3,270	3,270	3,270
I _c (n)	(in ⁴)	10,441	—	10,441	—	10,441	—
I _c (3n)	(in ⁴)	7,883	—	7,883	—	7,883	—
I _c (cr)	(in ⁴)	—	4,496	—	4,496	—	—
S _s	(in ³)	243	243	243	243	243	243
S _c (n)	(in ³)	386	—	386	—	386	—
S _c (3n)	(in ³)	350	—	350	—	350	—
S _c (cr)	(in ³)	—	280	—	280	—	—
S _x	(in ³)	—	—	—	—	—	—
DC1	(k/ft)	0.75	0.75	0.75	0.75	0.75	0.75
M _{DC1}	(k)	79	120	48	98	50	118
DC2	(k/ft)	0.06	0.06	0.06	0.06	0.06	0.06
M _{DC2}	(k)	14	21	8	17	9	20
DW	(k/ft)	0.15	0.15	0.15	0.15	0.15	0.15
M _{DW}	(k)	17	25	10	20	10	24
LLDF		0.57	0.56	0.56	0.56	0.56	0.57
M _{L+IM}	(k)	311	327	273	315	273	321
f _t (Strength I)	(ksi)	—	—	—	—	—	—
M _u + 1/3 f _s	(k)	687	786	563	725	566	770
Φ _r M _n	(k)	2,038	—	2,080	—	2,078	—
f _s DC1	(ksi)	3.93	5.94	2.38	4.83	2.45	5.80
f _s DC2	(ksi)	0.48	0.90	0.28	0.72	0.30	0.86
f _s DW	(ksi)	0.57	1.06	0.33	0.85	0.35	1.01
f _s (LL + IM)	(ksi)	9.69	14.04	8.50	13.52	8.50	13.78
f _t (Service II)	(ksi)	—	—	—	—	—	—
f _s + 1/2 (Service II)	(ksi)	17.58	26.14	14.04	23.98	14.15	25.59
Service II Resistance	(ksi)	47.50	47.50	47.50	47.50	47.50	47.50
f _s + 1/3 (Strength I)	(ksi)	23.33	34.69	18.70	31.88	18.83	33.96
Φ _r F _n	(ksi)	—	50	—	50	—	50
V _r	(k)	34	53	39	54	42	55

SN 016-2133 (SB Bridge) - INTERIOR BEAM MOMENT TABLE							
	0.4 Sp. 1	Pier 1	0.5 Sp. 2	Pier 2	0.5 Sp. 3	Pier 3	0.6 Sp. 4
I _s	(in ⁴)	3,270	3,270	3,270	3,270	3,270	3,270
I _c (n)	(in ⁴)	10,385	—	10,385	—	10,385	—
I _c (3n)	(in ⁴)	7,820	—	7,820	—	7,820	—
I _c (cr)	(in ⁴)	—	4,482	—	4,482	—	—
S _s	(in ³)	243	243	243	243	243	243
S _c (n)	(in ³)	385	—	385	—	385	—
S _c (3n)	(in ³)	349	—	349	—	349	—
S _c (cr)	(in ³)	—	280	—	280	—	—
S _x	(in ³)	—	—	—	—	—	—
DC1	(k/ft)	0.73	0.73	0.73	0.73	0.73	0.73
M _{DC1}	(k)	74	118	51	99	49	122
DC2	(k/ft)	0.06	0.06	0.06	0.06	0.06	0.06
M _{DC2}	(k)	13	20	8	16	8	19
DW	(k/ft)	0.15	0.15	0.15	0.15	0.15	0.15
M _{DW}	(k)	17	25	10	20	10	24
LLDF		0.56	0.55	0.55	0.55	0.55	0.56
M _{L+IM}	(k)	303	317	265	305	263	311
f _t (Strength I)	(ksi)	—	—	—	—	—	—
M _u + 1/3 f _s	(k)	665	763	551	706	547	756
Φ _r M _n	(k)	2,037	—	2,100	—	2,100	—
f _s DC1	(ksi)	3.67	5.83	2.49	4.88	2.40	6.03
f _s DC2	(ksi)	0.46	0.85	0.27	0.69	0.28	0.82
f _s DW	(ksi)	0.57	1.05	0.33	0.85	0.35	1.01
f _s (LL + IM)	(ksi)	9.46	13.59	8.27	13.08	8.22	13.35
f _t (Service II)	(ksi)	—	—	—	—	—	—
f _s + 1/2 (Service II)	(ksi)	17.00	25.41	13.84	23.42	13.72	25.22
Service II Resistance	(ksi)	47.50	47.50	47.50	47.50	47.50	47.50
f _s + 1/3 (Strength I)	(ksi)	22.58	33.72	18.42	31.13	18.26	33.44
Φ _r F _n	(ksi)	—	50	—	50	—	50
V _r	(k)	33	45	40	45	40	45

SN 016-0378 (NB Bridge) - BEAM REACTION TABLE					
	S. Abut	Pier 1	Pier 2	Pier 3	N. Abut
LLDF	0.68	0.68	0.68	0.68	0.68
OCF	1.06	—	—	—	1.06
R _{DC1}	(k)	37.70	33.20	29.60	32.90
R _{DC2}	(k)	2.00	5.80	5.10	5.60
R _{DW}	(k)	2.40	6.80	6.00	6.60
R _L	(k)	43.40	70.10	69.00	69.30
R _{IM}	(k)	11.70	15.80	15.60	15.70
R _{Total} (Strength I)(Impact)	(k)	149.65	209.28	200.43	206.78
R _{Total} (Strength I)(No Impact)	(k)	129.18	181.63	173.13	179.30

SN 016-2133 (SB Bridge) - BEAM REACTION TABLE					
	S. Abut	Pier 1	Pier 2	Pier 3	N. Abut
LLDF	0.67	0.67	0.67	0.67	0.67
OCF	1.059	—	—	—	1.059
R _{DC1}	(k)	37.50	33.80	30.00	33.90
R _{DC2}	(k)	1.90	5.30	4.70	5.20
R _{DW}	(k)	2.40	6.80	6.00	6.60
R _L	(k)	43	69	68	68
R _{IM}	(k)	11.5	15.6	15.4	15.5
R _{Total} (Strength I)(Impact)	(k)	147	207	198	206
R _{Total} (Strength I)(No Impact)	(k)	127.2	179.8	171.0	178.5

MODEL: Default
FILE NAME: S:\JULI\6300-6399\6346\113\Drawings\CAD\Micro-55\CAD_Sheets\01603782133-C2-046-IMRT-SAL.dgn

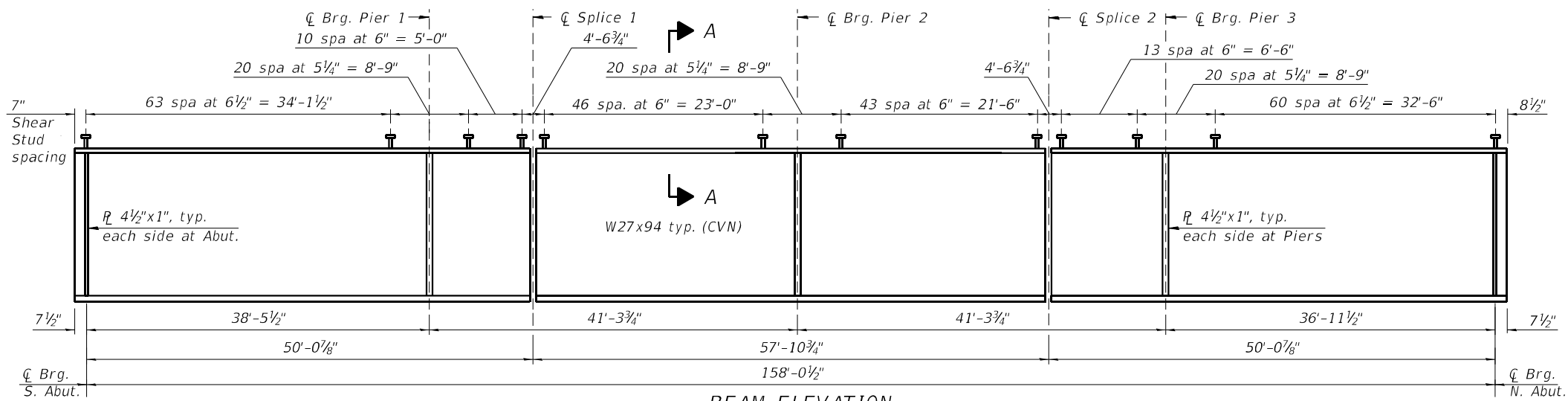


USER NAME = CodyH	DESIGNED - TJE	REVISED -
PLOT SCALE = 0:2.0000 "/> <td>CHECKED - NDR</td> <td>REVISED -</td>	CHECKED - NDR	REVISED -
PLOT DATE = 2/11/2025	DRAWN - CJH	REVISED -
	CHECKED - TJE	REVISED -

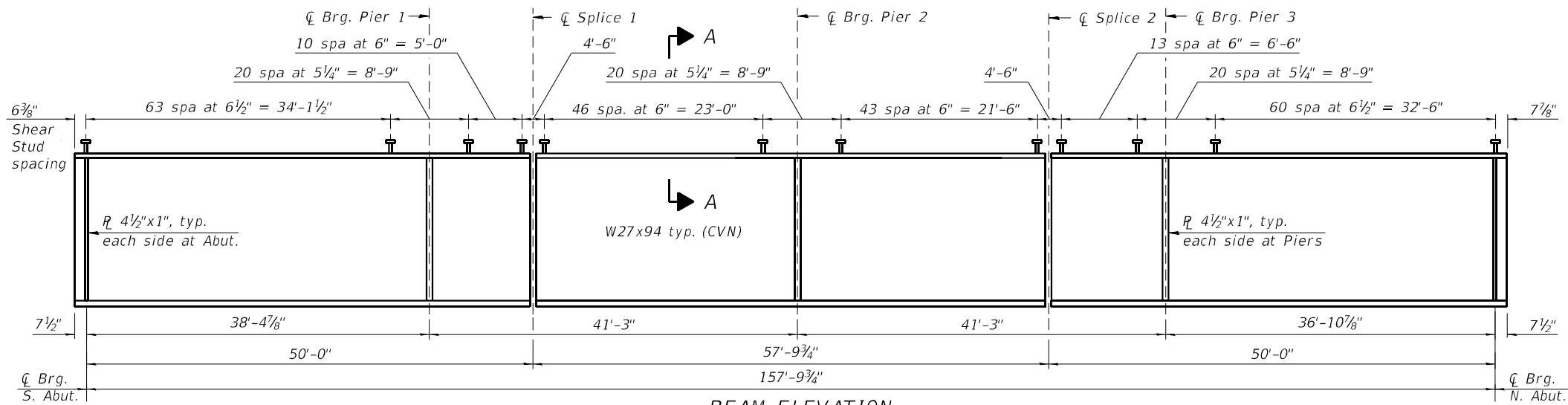
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

INTERIOR MOMENT AND REACTION TABLES
STRUCTURE NO. 016-0378 (NB) AND 016-2133 (SB)

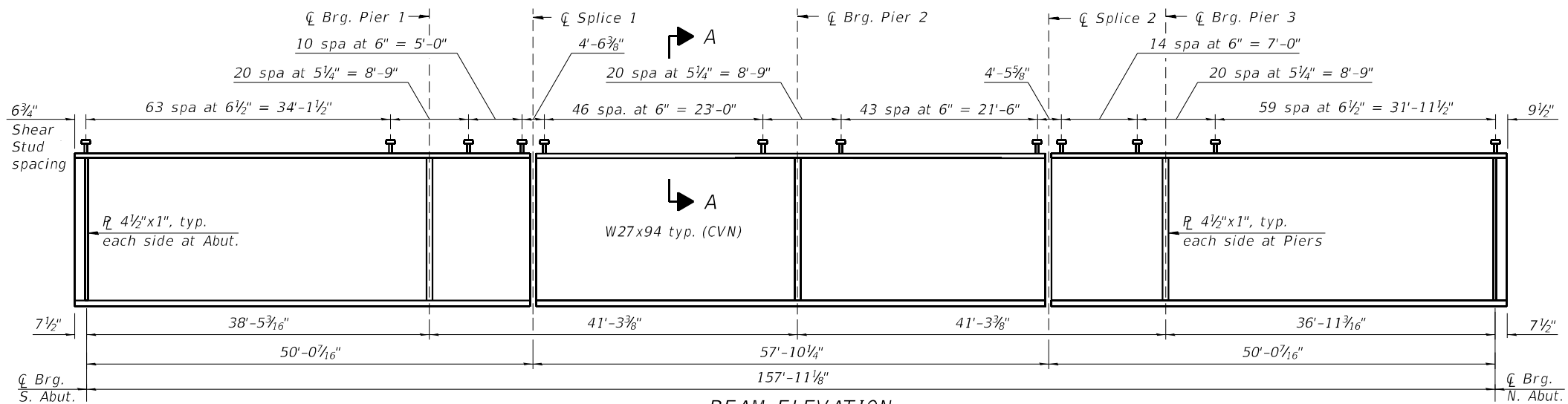
F.A.P. RTE. 342	SECTION 2018-100-BR	COUNTY COOK	TOTAL SHEETS 1351	SHEET NO. 793
CONTRACT NO. 62N91				
SHEET 46 OF 80 SHEETS				
ILLINOIS FED. AID PROJECT				



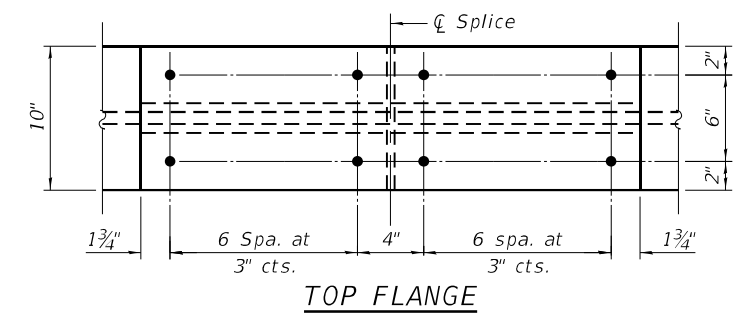
BEAM ELEVATION
Beams 1 and 43



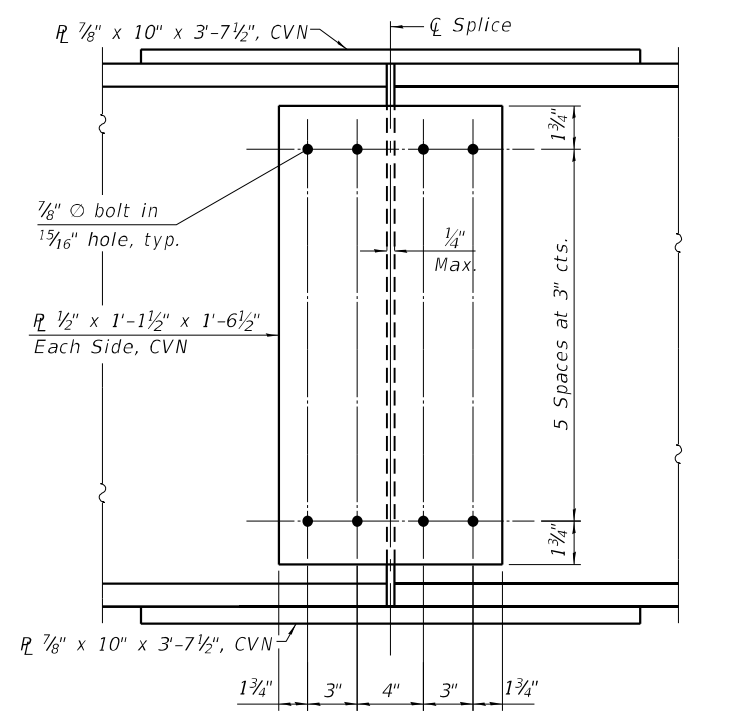
BEAM ELEVATION
Beams 2 through 41



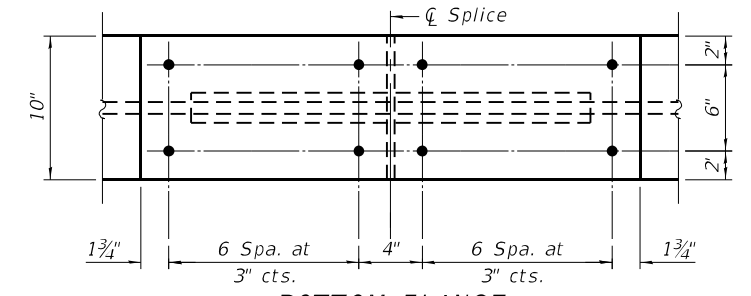
BEAM ELEVATION
Beam 42



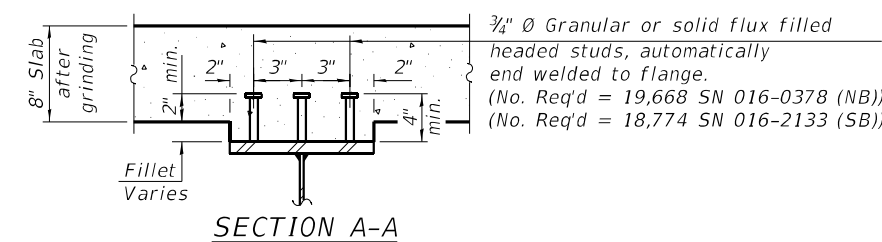
TOP FLANGE



WEB SPLICE



BOTTOM FLANGE
(Field Splice #1 and #2)



SECTION A-A

Notes:
1. Load carrying components designated "CVN" shall conform to the Charpy-V-Notch Impact Energy Requirements, Zone 2.

MODEL: Default
FILE NAME: S:\J\1\6300-6399\6346\113\Drawings\CAD\Micro-55A\CAD_Sheets\01603782133-C2-047-5D-5A\ldgn
2/11/2025 1:59:22 PM



1170 SOUTH HOUBOLT ROAD
JOLIET, ILLINOIS 60431
(815) 744-4200
IDFPR NO. 184-001273

USER NAME =	CodyH	DESIGNED -	TJE	REVISED -	
CHECKED -	NDR	CHECKED -	NDR	REVISED -	
PLOT SCALE =	0:2.0000 "/in.	DRAWN -	CJH	REVISED -	
PLOT DATE =	2/11/2025	CHECKED -	TJE	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

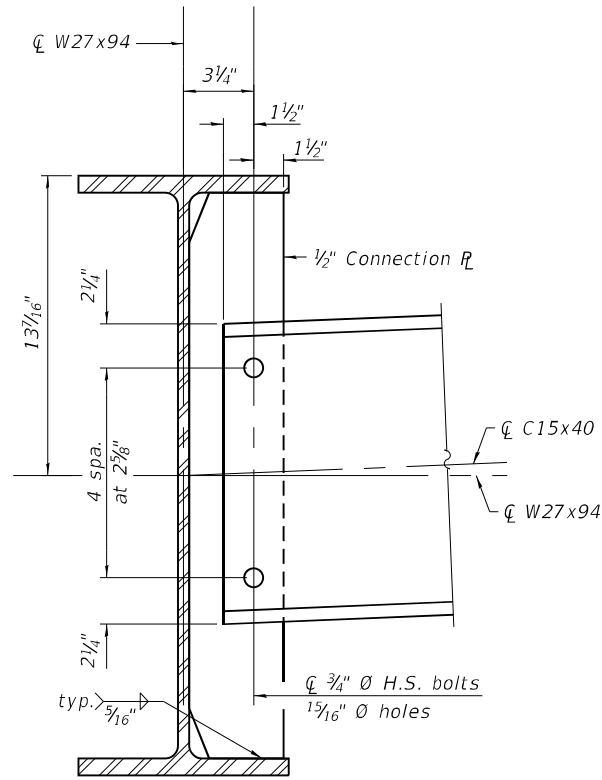
SPLICE DETAILS & BEAM ELEVATIONS
STRUCTURE NO. 016-0378 (NB) AND 016-2133 (SB)

SHEET 47 OF 80 SHEETS

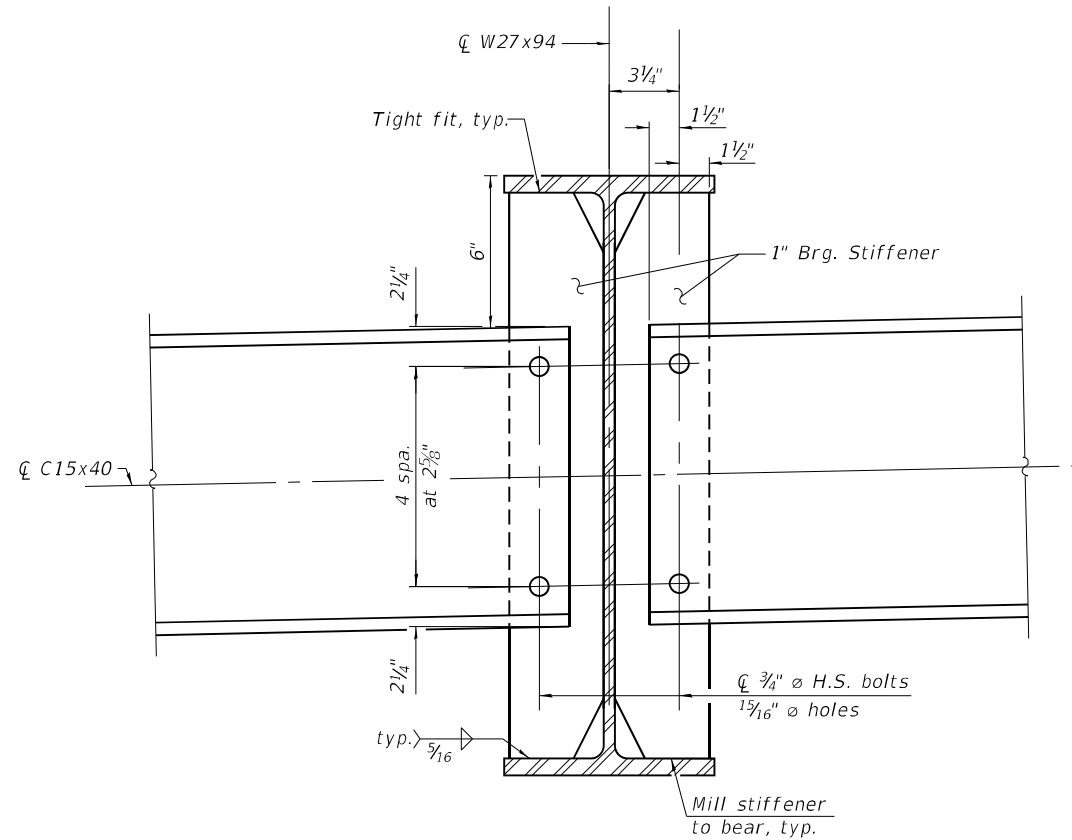
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
342	2018-100-BR	COOK	1351	794
CONTRACT NO. 62N91				
ILLINOIS FED. AID PROJECT				

TOP OF FLANGE ELEVATIONS

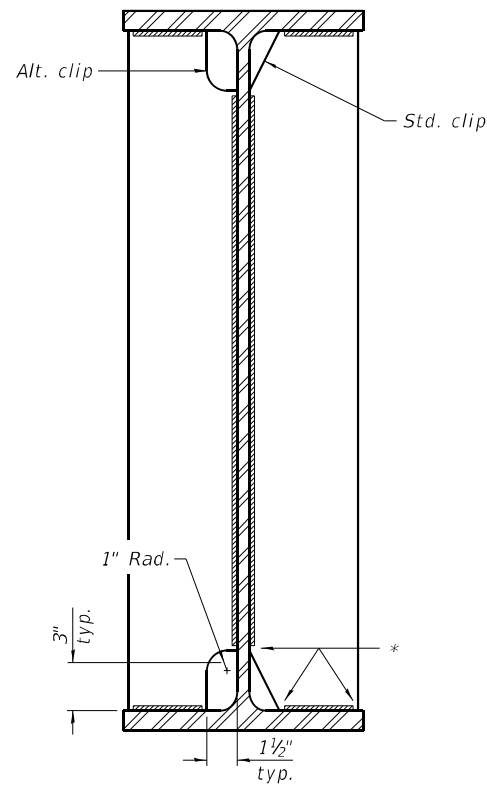
Girder No.	CL BRG. S. ABUT.	CL BRG. PIER 1	CL FIELD SPLICE 1	CL BRG. PIER 2	CL FIELD SPLICE 2	CL BRG. PIER 3	CL BRG. N. ABUT.
1	743.15	742.93	742.94	742.73	742.61	742.50	742.26
2	743.25	743.04	743.05	742.85	742.74	742.63	742.40
3	743.37	743.17	743.18	742.98	742.87	742.76	742.53
4	743.50	743.29	743.30	743.11	743.00	742.89	742.66
5	743.62	743.41	743.43	743.23	743.12	743.02	742.79
6	743.74	743.54	743.55	743.36	743.25	743.15	742.93
7	743.86	743.66	743.68	743.49	743.38	743.28	743.06
8	743.98	743.79	743.80	743.61	743.51	743.41	743.19
9	744.10	743.91	743.93	743.74	743.64	743.54	743.32
10	744.22	744.03	744.05	743.87	743.77	743.67	743.46
11	744.34	744.16	744.17	743.99	743.90	743.80	743.59
12	744.47	744.28	744.30	744.12	744.03	743.93	743.72
13	744.51	744.32	744.34	744.17	744.07	743.98	743.77
14	744.39	744.21	744.23	744.05	743.96	743.86	743.66
15	744.27	744.09	744.11	743.94	743.85	743.75	743.55
16	744.15	743.97	743.99	743.83	743.74	743.64	743.45
17	744.03	743.86	743.88	743.71	743.63	743.53	743.34
18	743.91	743.74	743.76	743.60	743.51	743.42	743.23
19	743.79	743.62	743.65	743.48	743.40	743.31	743.12
20	743.67	743.51	743.53	743.37	743.29	743.20	743.01
21	743.55	743.39	743.41	743.25	743.18	743.09	742.90
22	743.43	743.27	743.30	743.14	743.06	742.97	742.79
Girder No.	CL BRG. S. ABUT.	CL BRG. PIER 1	CL FIELD SPLICE 1	CL BRG. PIER 2	CL FIELD SPLICE 2	CL BRG. PIER 3	CL BRG. N. ABUT.
23	743.38	743.22	743.24	743.06	742.96	742.85	742.61
24	743.51	743.34	743.37	743.19	743.09	742.98	742.75
25	743.63	743.47	743.49	743.32	743.22	743.11	742.88
26	743.75	743.60	743.62	743.45	743.35	743.25	743.02
27	743.87	743.72	743.75	743.58	743.49	743.38	743.16
28	744.00	743.85	743.88	743.71	743.62	743.52	743.29
29	744.12	743.97	744.00	743.84	743.75	743.65	743.43
30	744.24	744.10	744.13	743.97	743.88	743.78	743.57
31	744.36	744.22	744.26	744.09	744.01	743.91	743.70
32	744.47	744.35	744.38	744.22	744.15	744.04	743.83
33	744.40	744.27	744.30	744.15	744.07	743.97	743.77
34	744.27	744.15	744.18	744.03	743.96	743.86	743.66
35	744.15	744.03	744.06	743.91	743.84	743.74	743.55
36	744.02	743.90	743.94	743.79	743.72	743.63	743.44
37	743.90	743.78	743.82	743.67	743.61	743.52	743.32
38	743.77	743.66	743.70	743.56	743.49	743.40	743.21
39	743.65	743.54	743.58	743.44	743.38	743.29	743.10
40	743.52	743.42	743.46	743.32	743.26	743.17	742.99
41	743.40	743.29	743.33	743.20	743.15	743.06	742.88
42	743.27	743.17	743.22	743.09	743.03	742.95	742.78
43	743.14	743.05	743.10	742.97	742.92	742.84	742.67



INTERIOR DIAPHRAGM

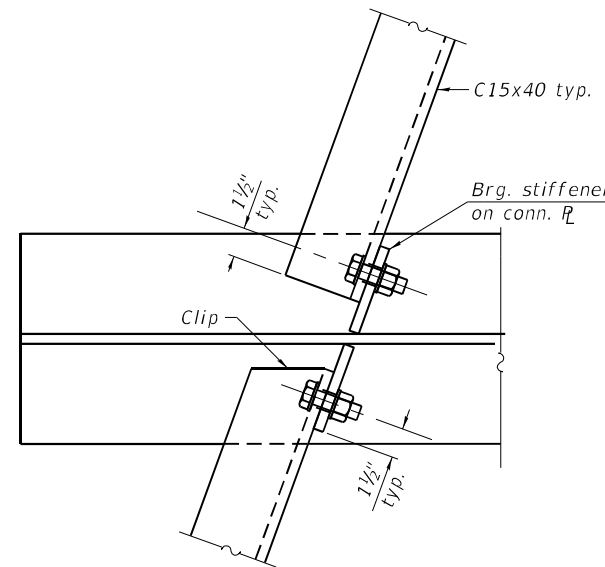


PIER DIAPHRAGMS



WELD LIMITS AND CLIP DETAILS

* Stop welds 1/4" (±1/8") from edges as shown. Typical.



DETAIL A

Notes:

- Two hardened washers required for each set of oversized holes.
- All diaphragms shall be installed as steel is erected and secured with erection pins and bolts except as otherwise noted. Individual diaphragms at supports may be temporarily disconnected to install bearing anchor bolts.
- Alternate channels of equal depth and larger weight are permitted to facilitate material acquisition. Alternate channels, if utilized, shall be provided at no additional cost to the Department.
- Provide Brg. stiffeners per Section A at abutments without diaphragms per sheet 47 of 80.
- All diaphragms shall be AASHTO M270 grade 36 steel.

MODEL: Default
FILE NAME: S:\JULI\6300-6399\6346\113\Drawings\CAD\Micro-55A\CAD_Sheets\01603782133-C2-048-CFBD-SAI.dgn
2/11/2025 1:59:30 PM



1170 SOUTH HOUBOLT ROAD JOLIET, ILLINOIS 60431 (815) 744-4200 IDFPR NO. 184-001273	USER NAME = CodyH	DESIGNED - TJE	REVISIONS
		CHECKED - NDR	REVISIONS
	PLOT SCALE = 0:2.0000" = 1" / in.	DRAWN - CJH	REVISIONS
	PLOT DATE = 2/11/2025	CHECKED - TJE	REVISIONS

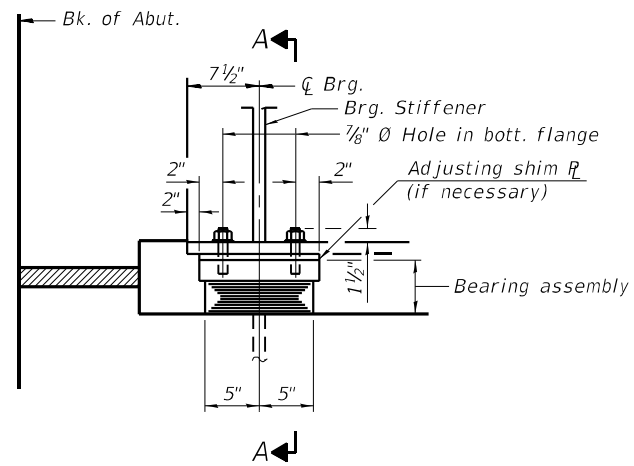
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**CROSS FRAMES AND BEAM DETAILS
STRUCTURE NO. 016-0378 (NB) AND 016-2133 (SB)**

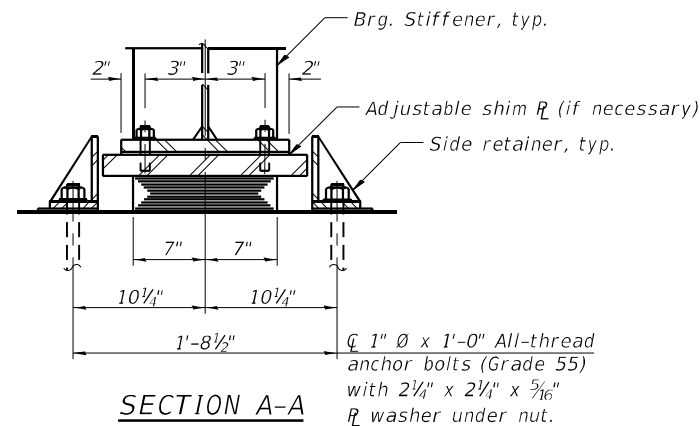
SHEET 48 OF 80 SHEETS

F.A.P. RTE. 342	SECTION 2018-100-BR	COUNTY COOK	TOTAL SHEETS 1351	SHEET NO. 795
CONTRACT NO. 62N91				

ILLINOIS FED. AID PROJECT

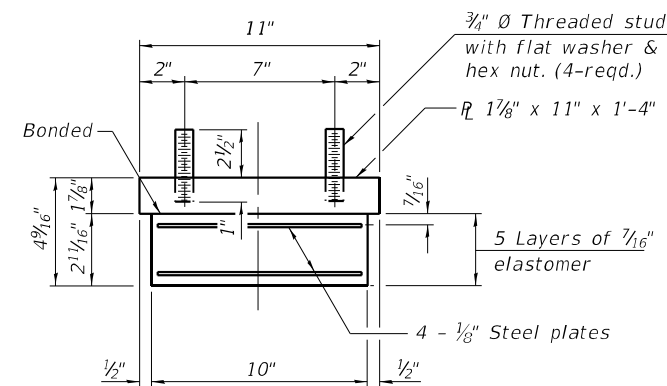


ELEVATION AT SOUTH AND NORTH ABUT.



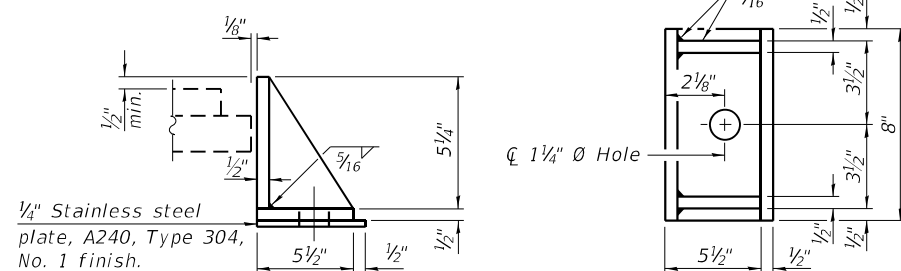
SECTION A-A

TYPE I ELASTOMERIC EXP. BRG.



BEARING ASSEMBLY
(South and North)

Note:
Shim plates shall not be placed under bearing assembly.



SIDE RETAINER

Equivalent rolled angle with stiffeners will be allowed in lieu of welded plates.

BILL OF MATERIAL

Item	Unit	Total
Elastomeric Bearing Assembly, Type I	EACH	86
Anchor Bolts, 1"	EACH	172

Notes:

- Side retainers and stainless steel plates shall be included in the cost of Elastomeric Bearing Assembly, Type I.
- Anchor bolts and side retainers at all supports shall be installed as each member is erected unless an equivalent temporary means of lateral restraint is used.
- Two 1/8" adjusting shims shall be provided for each bearing in addition to all other plates or shims and placed as shown on bearing details.
- All separate bearing plates, side retainers, anchor bolts, nuts, washers, and pintles shall be galvanized according to AASHTO M111 or M232 as applicable.

MODEL: Default
FILE NAME: S:\J\1\6300-6399\6346\113\Drawings\CAD\Micro-554\CAD_Sheets\01603782133-C2-049-EBD1-SAL.dgn
2/11/2025 1:59:31 PM



1170 SOUTH HOUBOLT ROAD
JOLIET, ILLINOIS 60431
(815) 744-4200
IDFPR NO. 184-001273

USER NAME = CodyH
DESIGNED - BLR
CHECKED - NDR
DRAWN - CJH
PLOT SCALE = 0:2.0000 "/in.
PLOT DATE = 2/11/2025

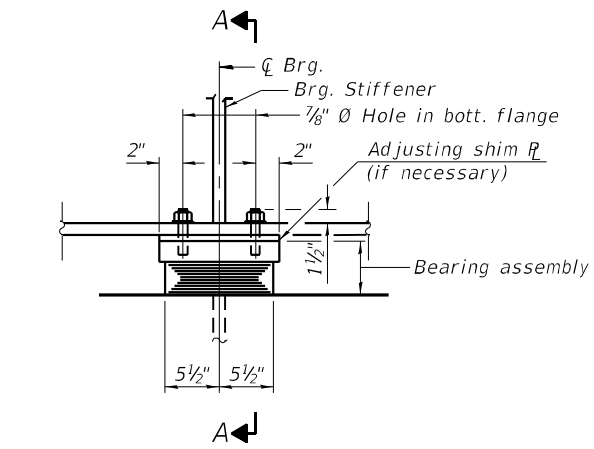
REVISIONS
REVISED -
REVISED -
REVISED -
REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

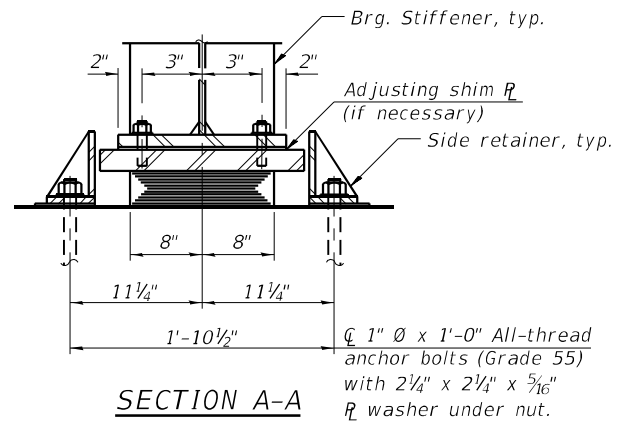
BEARING DETAILS (1 OF 2)
STRUCTURE NO. 016-0378 (NB) AND 016-2133 (SB)

SHEET 49 OF 80 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
342	2018-100-BR	COOK	1351	796
CONTRACT NO. 62N91				
ILLINOIS FED. AID PROJECT				

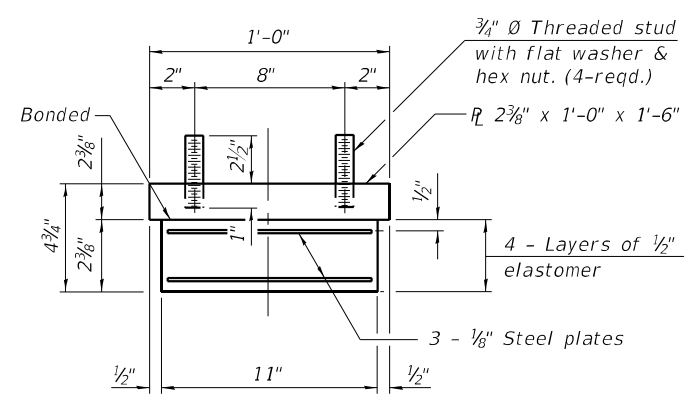


ELEVATION AT PIER 1 AND 3



SECTION A-A

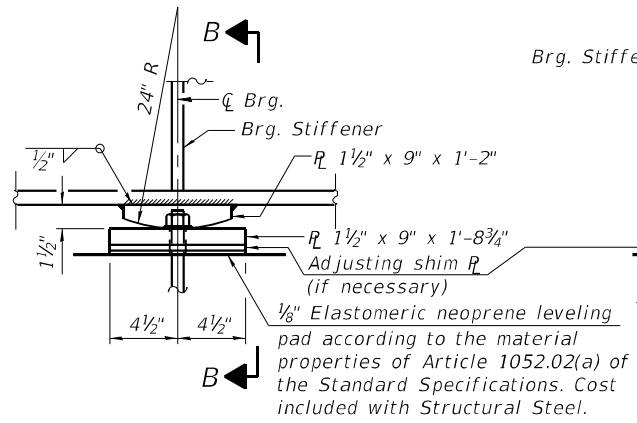
TYPE I ELASTOMERIC EXP. BRG.



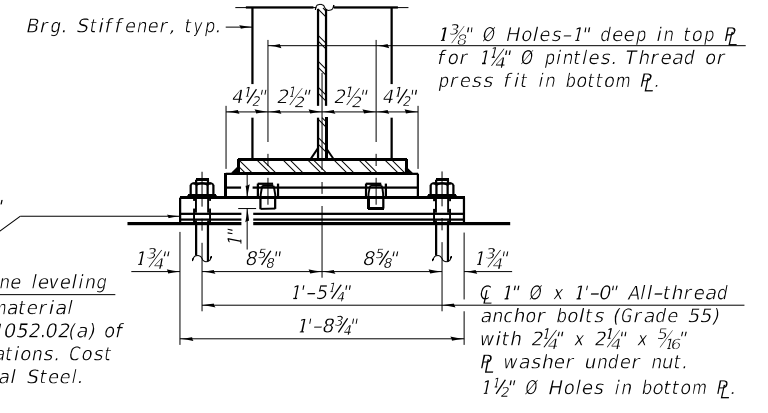
BEARING ASSEMBLY

(Pier 1 and 3)

Note:
Shim plates shall not be placed under bearing assembly.

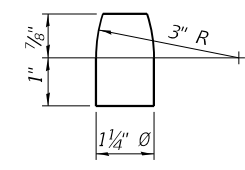


ELEVATION AT PIER 2



SECTION B-B

FIXED BEARING



PINTLE

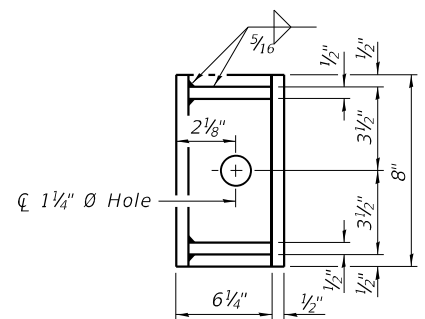
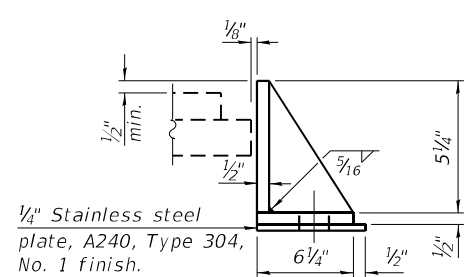
BILL OF MATERIAL

Item	Unit	Total
Elastomeric Bearing Assembly, Type I	EACH	86
Anchor Bolts, 1"	EACH	258

Notes:

- Side retainers and stainless steel plates shall be included in the cost of Elastomeric Bearing Assembly, Type I.
- Anchor bolts and side retainers at all supports shall be installed as each member is erected unless an equivalent temporary means of lateral restraint is used.
- Two 1/8 inch adjusting shims shall be provided for each bearing in addition to all other plates or shims and placed as shown on bearing details.
- All separate bearing plates, side retainers, anchor bolts, nuts, washers, and pintles shall be galvanized according to AASHTO M111 or M232 as applicable.
- The cost of furnishing and fabricating plates, pintles, and adjusting shims required for the fixed bearing is included in the cost of Structural Steel.
- Structural Steel plates for the fixed bearing shall conform to the requirements of AASHTO M270 Grade 50.

MODEL: Default
FILE NAME: S:\J\116300-6399\6346\113\Drawings\CAD\Micro-554\CAD_Sheets\01603782133-C2-050-EBD2-5A1.dgn



SIDE RETAINER

Equivalent rolled angle with stiffeners will be allowed in lieu of welded plates.

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

BEARING DETAILS (2 OF 2)
STRUCTURE NO. 016-0378 (NB) AND 016-2133 (SB)

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
342	2018-100-BR	COOK	1351	797
CONTRACT NO. 62N91				

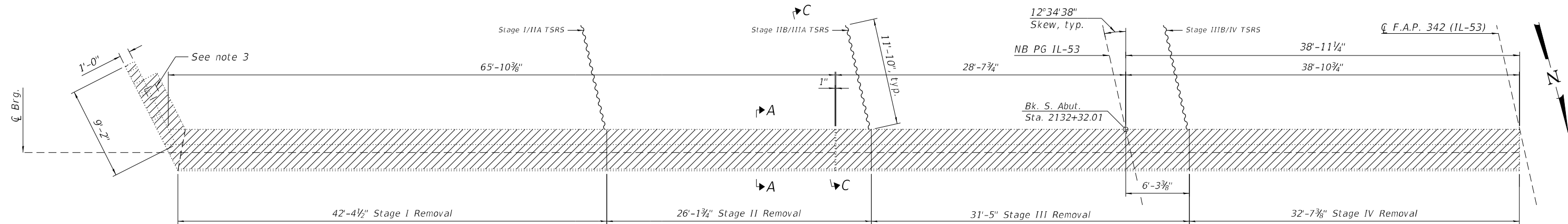
SHEET 50 OF 80 SHEETS

ILLINOIS FED. AID PROJECT

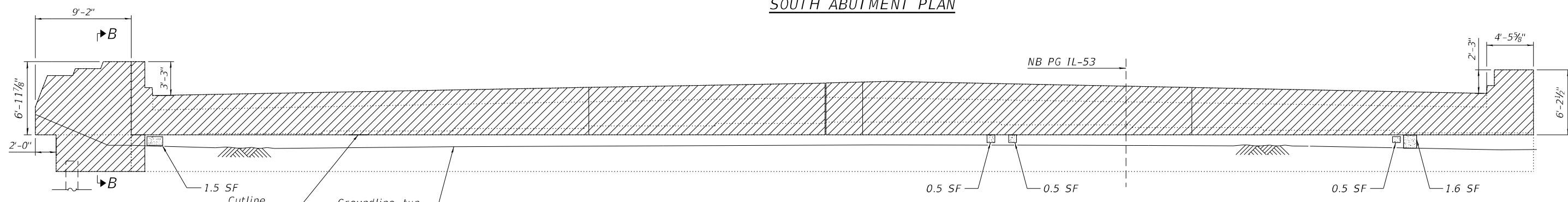
SA
1170 SOUTH HOUBOLT ROAD
JOLIET, ILLINOIS 60431
(815) 744-4200
ASSOCIATES IDFPR NO. 184-001273

USER NAME = CodyH	DESIGNED - BLR	REVISED -
PLOT SCALE = 0:2.0000 "/> <td>CHECKED - NDR</td> <td>REVISED -</td>	CHECKED - NDR	REVISED -
PLOT DATE = 2/11/2025	DRAWN - CJH	REVISED -
	CHECKED - TJE	REVISED -

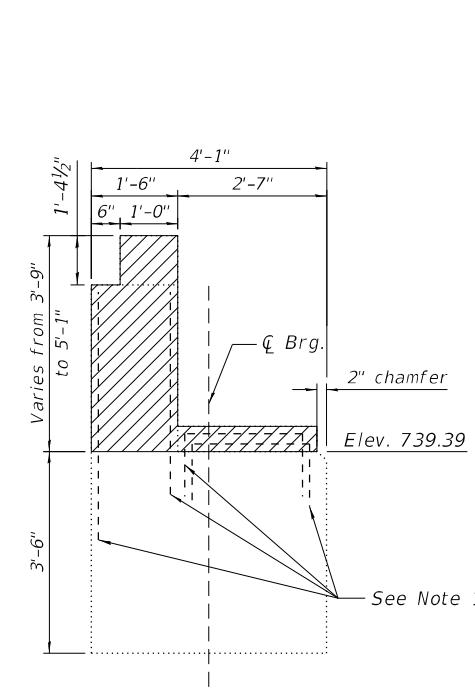
2/11/2025 1:59:33 PM



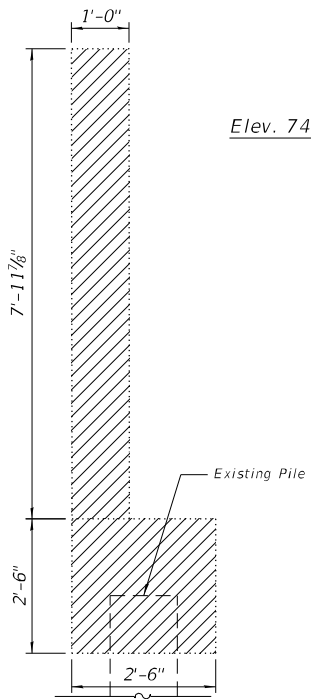
SOUTH ABUTMENT PLAN



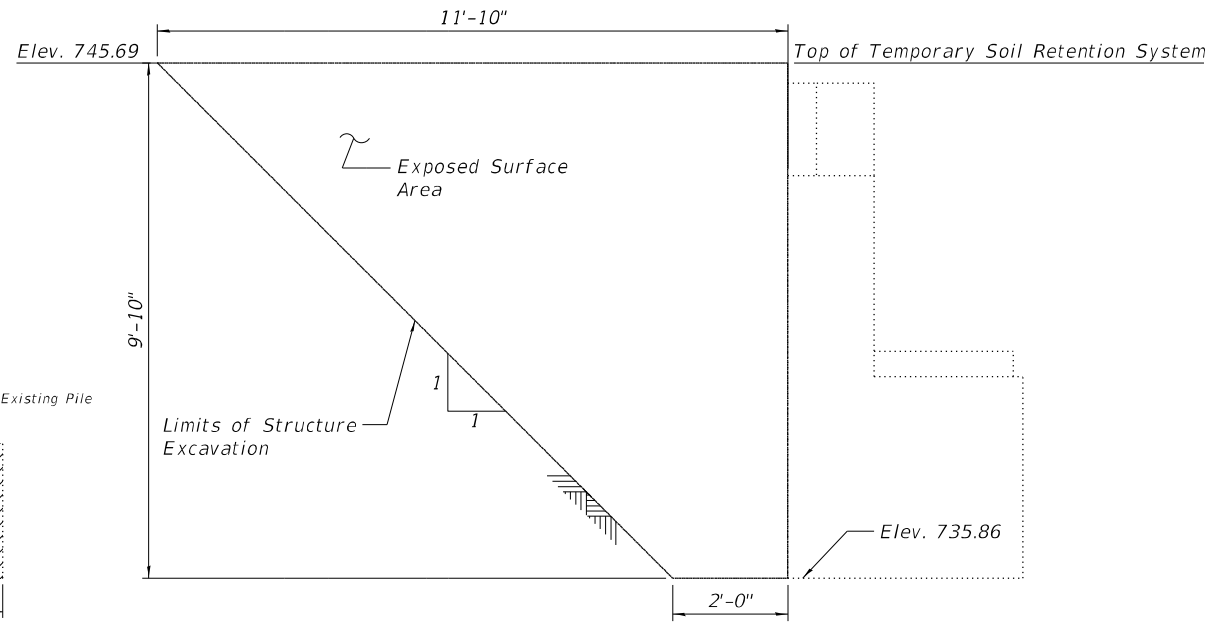
SOUTH ABUTMENT ELEVATION
(Looking South)



SECTION A-A



SECTION B-B



SECTION C-C - TEMPORARY SOIL RETENTION SYSTEM
(Excavation slope and 2'-0" dim. at Rt. L's to Bk. of Abut.)

BILL OF MATERIALS

Item	Unit	Total
Concrete Removal	CU YD	43.6
Temporary Soil Retention System	SQ FT	205
Structural Repair of Concrete (Depth Equal to or Less Than 5 Inches)	SQ FT	5

LEGEND:

- Concrete Removal
- Temporary Soil Retention System
- Structural Repair of Concrete (Depth Equal to or Less Than 5 Inches)
- SF Square Feet

Notes:

1. Existing vertical reinforcement in back wall shall be cleaned and incorporated into new construction. Cost included in the cost of "Concrete Removal".
2. Any reinforcement bars that are damaged during concrete removal operations shall be repaired or replaced using an approved bar splicer or anchorage system. Cost included in the cost of "Concrete Removal".
3. Contractor to take care not to damage pile or pile anchorage during Concrete Removal.
4. For additional information, see Existing Drawings.
5. A cantilevered sheet piling design does not appear feasible and additional members or other retention systems may be necessary. The Contractor shall submit a temporary soil retention system design including plan details and calculations for review and acceptance by the Engineer.

MODEL: Default
FILE NAME: S:\J\116300-6399\6346\113\Drawings\CAD\Micro-55A\CAD_Sheets\01603782133-C2-051-CRNABUTT1-SAL.dgn
2/11/2025 1:59:35 PM

SA
1170 SOUTH HOUBOLT ROAD
JOLIET, ILLINOIS 60431
(815) 744-4200
IDFPR NO. 184-001273
ASSOCIATES

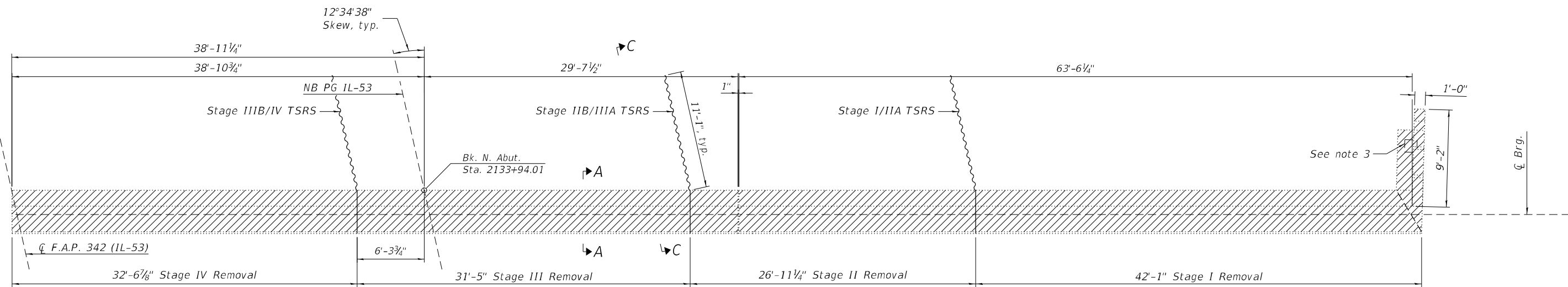
USER NAME = CodyH	DESIGNED - ELR	REVISIONS -
PLOT SCALE = 0:2.0000" = 1" / in.	CHECKED - NDR	REVISIONS -
PLOT DATE = 2/11/2025	DRAWN - CJH	REVISIONS -
	CHECKED - TJE	REVISIONS -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

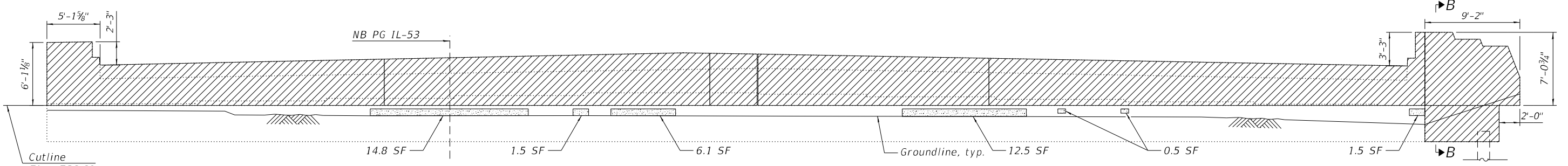
SOUTH ABUTMENT REMOVAL AND REPAIRS
STRUCTURE NO. 016-0378 (NB)

SHEET 51 OF 80 SHEETS

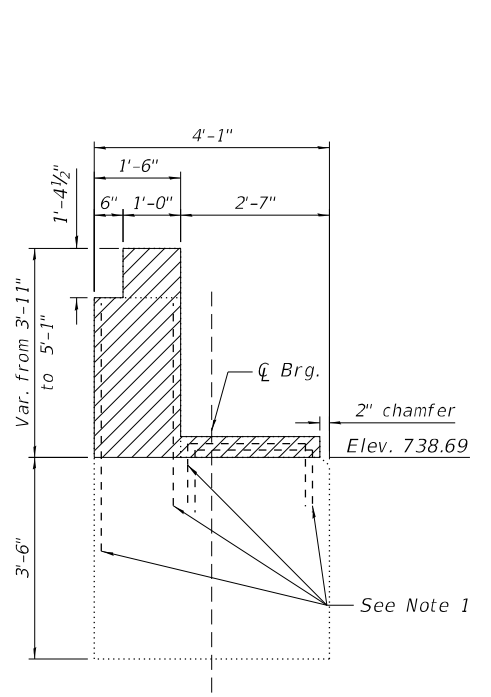
F.A.P. RTE. 342	SECTION 2018-100-BR	COUNTY COOK	TOTAL SHEETS 1351	SHEET NO. 798
CONTRACT NO. 62N91				
ILLINOIS FED. AID PROJECT				



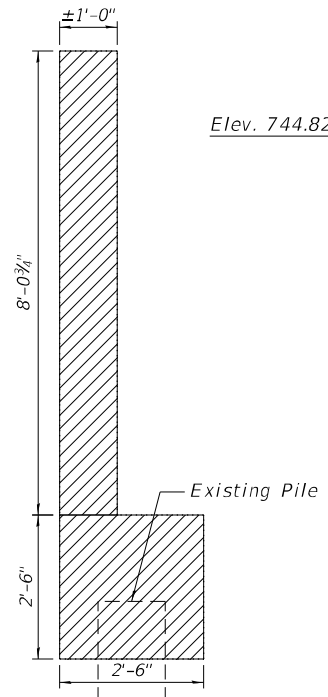
NORTH ABUTMENT PLAN



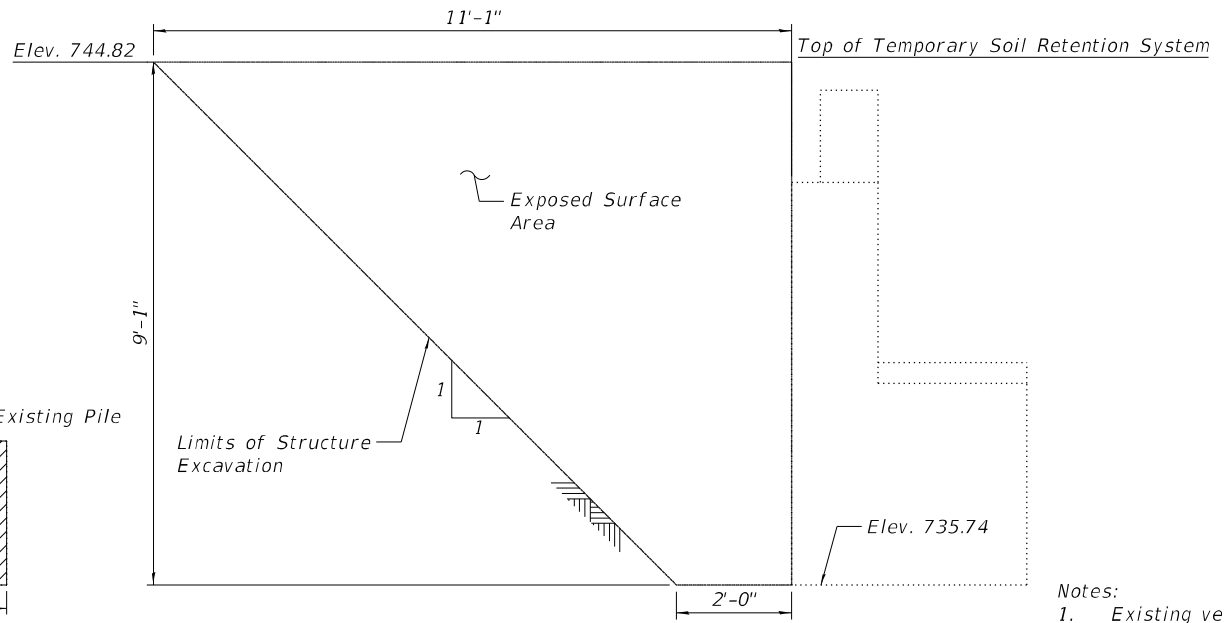
NORTH ABUTMENT ELEVATION
(Looking North)



SECTION A-A



SECTION B-B



SECTION C-C - TEMPORARY SOIL RETENTION SYSTEM
(Excavation slope and 2'-0" dim. at Rt. L's to Bk. of Abut.)

LEGEND:

- Concrete Removal
- Temporary Soil Retention System
- Structural Repair of Concrete (Depth Equal to or Less Than 5 Inches)
- SF Square Feet

BILL OF MATERIAL

Item	Unit	Total
Concrete Removal	CU YD	43.6
Temporary Soil Retention System	SQ FT	179
Structural Repair of Concrete (Depth Equal to or Less Than 5 Inches)	SQ FT	38

Notes:

1. Existing vertical reinforcement in back wall shall be cleaned and incorporated into new construction. Cost included in the cost of "Concrete Removal".
2. Any reinforcement bars that are damaged during concrete removal operations shall be repaired or replaced using an approved bar splicer or anchorage system. Cost included in the cost of "Concrete Removal".
3. Contractor to take care not to damage pile or pile anchorage during Concrete Removal.
4. For additional information, see Existing Drawings.
5. A cantilevered sheet piling design does not appear feasible and additional members or other retention systems may be necessary. The Contractor shall submit a temporary soil retention system design including plan details and calculations for review and acceptance by the Engineer.

MODEL: Default
FILE NAME: S:\J\1\6300-6399\6346\113\Drawings\CAD\Micro-554\CAD_Sheets\01603782\133-C2-052-CRNABUT2-SA.dgn



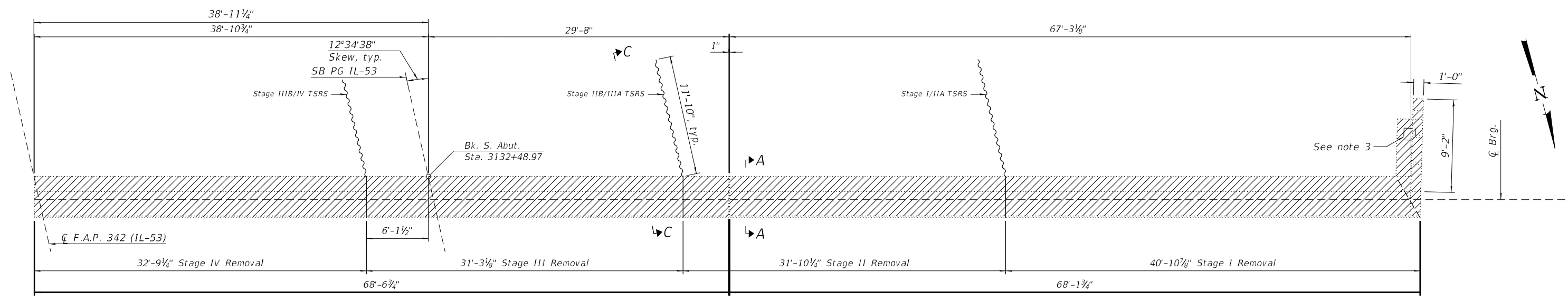
USER NAME = CodyH	DESIGNED - ELR	REVISOR -
PLOT SCALE = 0:2,0000 "/>		

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

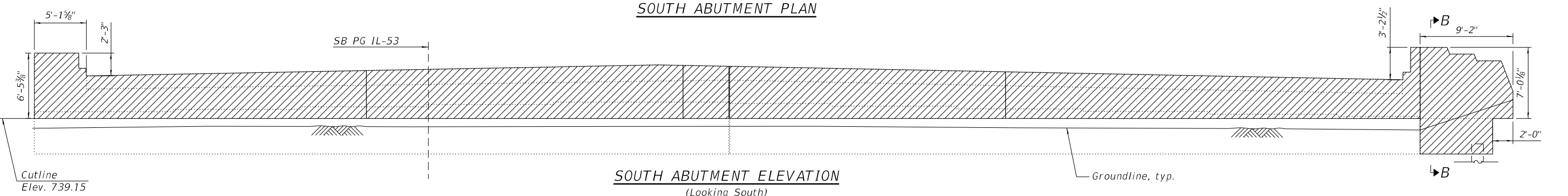
**NORTH ABUTMENT REMOVAL AND REPAIRS
STRUCTURE NO. 016-0378 (NB)**

SHEET 52 OF 80 SHEETS

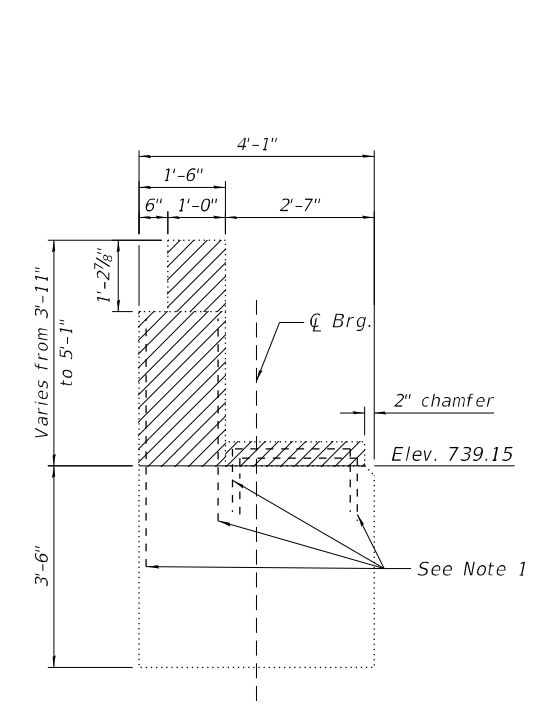
F.A.P. RTE. 342	SECTION 2018-100-BR	COUNTY COOK	TOTAL SHEETS 1351	SHEET NO. 799
CONTRACT NO. 62N91				
ILLINOIS FED. AID PROJECT				



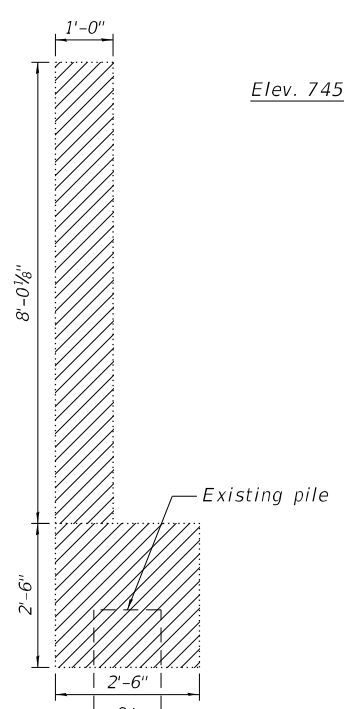
SOUTH ABUTMENT PLAN



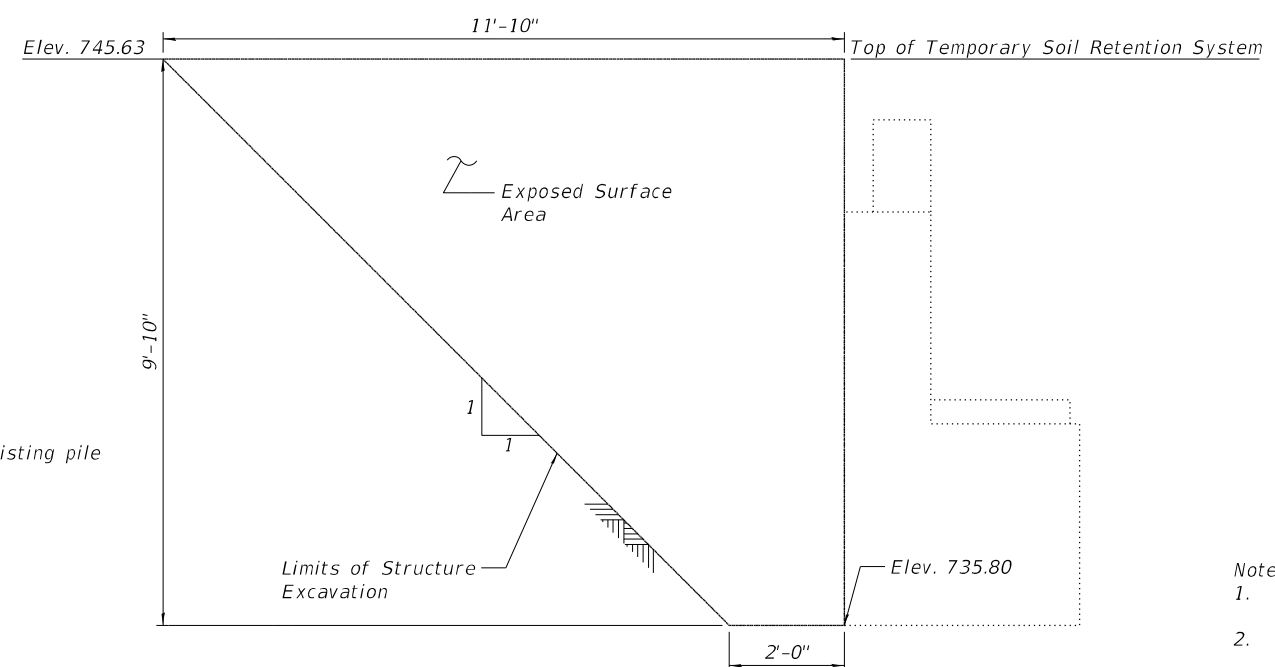
SOUTH ABUTMENT ELEVATION
(Looking South)



SECTION A-A



SECTION B-B



SECTION C-C TEMPORARY SOIL RETENTION SYSTEM
(Excavation slope and 2'-0" dim. at Rt. L's to Bk. of Abut.)

LEGEND:

- Concrete Removal
- Temporary Soil Retention System

BILL OF MATERIAL

Item	Unit	Total
Concrete Removal	CU YD	48.1
Temporary Soil Retention System	SQ FT	205

Notes:

1. Existing vertical reinforcement in back wall shall be cleaned and incorporated into new construction. Cost included in the cost of "Concrete Removal".
2. Any reinforcement bars that are damaged during concrete removal operations shall be repaired or replaced using an approved bar splicer or anchorage system. Cost included in the cost of "Concrete Removal".
3. Contractor to take care not to damage pile or pile anchorage during Concrete Removal.
4. For additional information, see Existing Drawings.
5. A cantilevered sheet piling design does not appear feasible and additional members or other retention systems may be necessary. The Contractor shall submit a temporary soil retention system design including plan details and calculations for review and acceptance by the Engineer.

MODEL: Default
FILE NAME: S:\JOLI\6300-6399\6346\113\Drawings\CAD\Micro-554\CAD_Sheets\01603782133-C2-053-CRSABUTT1-SAL.dgn

1170 SOUTH HOUBOLT ROAD
JOLIET, ILLINOIS 60431
(815) 744-4200
IDFPR NO. 184-001273

USER NAME = CodyH	DESIGNED - ELR	REVISIONS -
PLOT SCALE = 0:2.0000 "/>		

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SOUTH ABUTMENT REMOVAL AND REPAIRS
STRUCTURE NO. 016-2133 (SB)

SHEET 53 OF 80 SHEETS

F.A.P. RTE. 342	SECTION 2018-100-BR	COUNTY COOK	TOTAL SHEETS 1351	SHEET NO. 800
CONTRACT NO. 62N91				
ILLINOIS FED. AID PROJECT				