

GENERAL CONSTRUCTION:

1. THE CONTRACTOR SHALL CONFINE HIS OPERATIONS WITHIN THE RIGHT OF WAY AND EASEMENT LINES INDICATED ON THE PLANS. ANY AREA DISTURBED BEYOND THESE LIMITS SHALL BE RESTORED TO ITS ORIGINAL CONDITION AT THE CONTRACTOR'S EXPENSE.
2. ONLY THOSE TREES LISTED IN THE TREE REMOVAL SCHEDULE OR DESIGNATED BY THE ENGINEER SHALL BE REMOVED. THE CONTRACTOR WILL PROTECT ALL REMAINING TREES AND SHRUBS FROM DAMAGE DUE TO HIS OPERATIONS.
3. ANY STANDARD NUMBER LISTED SHALL BE INTERPRETED TO BE THE COPY OF THE STANDARDS INCLUDED IN THE PLANS.
4. NO PAYMENT WILL BE ALLOWED FOR OVERHAUL OF EARTH WORK.
5. RECONSTRUCTION OF ALL SIDE ROADS AND ENTRANCES SHALL BE STAGE CONSTRUCTED, WHERE FEASIBLE, TO MAINTAIN VEHICULAR ACCESS AT ANY GIVEN TIME DURING THE CONSTRUCTION OF THIS PROJECT.
6. THE CONTRACTOR IS RESPONSIBLE FOR CONTACTING THE ENGINEER AT LEAST FORTY-EIGHT (48) HOURS IN ADVANCE OF ANY CONSTRUCTION ACTIVITIES OR WORK REQUIRING INSPECTION OR APPROVAL BY THE AFFECTED UNITS OF GOVERNMENT.
7. THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND CONDITIONS IN THE FIELD PRIOR TO CONSTRUCTION AND ORDERING OF MATERIALS.
8. THE PROPOSED EMBANKMENT SHALL BE BENCHED INTO THE EXISTING SLOPES TO THE SATISFACTION OF THE ENGINEER.
9. IF ASH TREES ARE REMOVED ON THE PROJECT, THE CONTRACTOR SHALL BECOME FAMILIAR WITH AND COMPLY WITH MEASURES SPECIFIED BY THE ILLINOIS DEPARTMENT OF AGRICULTURE (IDOA) TO PREVENT THE SPREAD OF THE EMERALD ASH BORER. THE IDOA INFORMATION FOR ASH TREE REMOVAL CAN BE FOUND ON THE IDOA WEBSITE AT WWW.AGR.STATE.IL.US/EAB.

STAGE CONSTRUCTION / TRAFFIC CONTROL:

1. ALL TRAFFIC CONTROL (INCLUDING, BUT NOT LIMITED TO WORK ZONE, TEMPORARY, AND PERMANENT) SHALL BE FURNISHED, INSTALLED, MAINTAINED, RELOCATED, AND/OR REMOVED IN ACCORDANCE WITH DIVISION 700 OF THE IDOT STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, ADOPTED JANUARY 1, 2022 AND THE CURRENT EDITION OF THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES IN EFFECT ON THE DATE OF THE INVITATION FOR BIDS. THE DELIVERY, INSTALLATION, MAINTENANCE, RELOCATION, AND/OR REMOVAL OF ALL TRAFFIC CONTROL DEVICES (REQUIRED IN THESE PLANS, THE SPECIAL PROVISIONS, AND/OR FIELD IMPLEMENTED) SHALL BE INCLUDED IN THE TRAFFIC CONTROL AND PROTECTION PAY ITEM LISTED IN THE SUMMARY OF QUANTITIES.
2. IF THE CONTRACTOR CHOOSES TO DEVIATE FROM THE PLANNED STAGE CONSTRUCTION ITINERARY, THE CONTRACTOR MUST NOTIFY THE ENGINEER AND ACQUIRE APPROVAL FROM THE ENGINEER.

UTILITIES:

1. THE TYPE, SIZE, AND LOCATION OF UTILITIES, AS DELINEATED IN THESE DOCUMENTS, HAVE BEEN DETERMINED BY REVIEW OF AVAILABLE EXISTING RECORD DRAWINGS, OR FIELD SURVEY OF ABOVE GROUND SURFACE UTILITY FEATURES. THE OWNER AND ENGINEER HAVE NOT UNDERTAKEN SUBSURFACE EXPLORATORY INVESTIGATIONS TO CONFIRM OR VERIFY THE UTILITIES SHOWN ON THESE DOCUMENTS; THEREFORE THEIR EXACT LOCATION, SIZE, AND FUNCTION MUST BE CONSIDERED APPROXIMATE AND MUST BE FIELD CONFIRMED BY THE CONTRACTOR.
2. THE ENGINEER AND OWNER FURTHER DO NOT WARRANT THAT ALL UTILITIES HAVE BEEN ILLUSTRATED ON THESE DOCUMENTS. THE CONTRACTOR IS SOLELY RESPONSIBLE FOR CONTACTING J.U.L.I.E. FOR FIELD VERIFICATION OF ALL UTILITIES ON THE SITE PRIOR TO COMMENCEMENT OF CONSTRUCTION. THE J.U.L.I.E. NUMBER IS 800.892.0123. A MINIMUM OF 48 HOURS ADVANCE NOTICE IS REQUIRED. THIS PROJECT LIES IN SECTIONS 13 AND 14, TOWNSHIP 7N, RANGE 9W IN MACOUPIN COUNTY. IF THE CONTRACTOR DETERMINES THAT SUBSTANTIAL DISCREPANCY EXISTS BETWEEN FIELD VERIFIED UTILITIES AND THESE PLANS (WHICH WOULD SIGNIFICANTLY AFFECT THE FUNCTION, COST, OR PERFORMANCE OF THE PROJECT), THE CONTRACTOR SHALL IMMEDIATELY CONTACT THE ENGINEER FOR CLARIFICATION AND PROJECT DIRECTION.
3. ANY FACILITIES OR APPURTENANCES OF A PUBLICLY OR PRIVATELY OWNED UTILITY COMPANY, WHICH ARE IN DIRECT VIOLATION OF ILLINOIS DEPARTMENT OF TRANSPORTATION POLICIES AND PROCEDURES, SHALL BE RELOCATED OR ADJUSTED BY THEIR RESPECTIVE OWNERS. THE CONTRACTOR SHALL NOTIFY AND COOPERATE WITH THE OWNER(S) OF ANY SUCH FACILITY AND COORDINATE HIS OPERATIONS TO PROMOTE PROMPT UTILITY ADJUSTMENT AND REASONABLE CONSTRUCTION PROGRESS.
4. THE FOLLOWING ENTITIES HAVE UTILITY FACILITIES WITHIN/DIRECTLY ADJACENT TO THE CONSTRUCTION LIMITS OF THIS PROJECT:
 - FRONTIER COMMUNICATIONS
225 N. BROAD STREET
CARLINVILLE, IL 62626
PH: (217) 854-2025
 - MJM ELECTRIC COOPERATIVE (ELECTRIC)
18300 SHIPMAN RD
CARLINVILLE, IL 62626
PH: (217) 854-3137
 - AMEREN IP (GAS)
PH: (217) 532-8225
 - SBC (COMMUNICATIONS)
PH: 847-898-4702
 - JERSEY COUNTY RURAL WATER
1009 STATE HIGHWAY 16
JERSEYVILLE, IL 62052
PH: (618) 498-9534

DRAINAGE CONSTRUCTION:

1. ANY EXISTING CULVERTS THAT WERE TO REMAIN-IN-PLACE THAT ARE DAMAGED OR REMOVED BY THE CONTRACTOR WILL HAVE TO BE REPLACED AT THE CONTRACTOR'S EXPENSE.
2. ALL EXISTING PIPE CULVERTS WITHIN THE CONSTRUCTION LIMITS ARE TO BE REMOVED BY THE CONTRACTOR AS NOTED ON THE PLANS. THOSE PIPES WHICH ARE CONSIDERED SALVAGEABLE BY THE ENGINEER SHALL REMAIN THE PROPERTY OF THE COUNTY. ALL OTHER PIPE CULVERTS SHALL BE DISPOSED OF BY THE CONTRACTOR AT THEIR EXPENSE. ALL TRENCHES UNDER THE PROPOSED PAVEMENT AFTER THE REMOVAL OF THE EXISTING PIPE CULVERTS, NOT COVERED WITH THE TRENCH OF A PROPOSED PIPE CULVERT, SHALL BE BACKFILLED WITH CONTROLLED LOW-STRENGTH MATERIAL. QUANTITIES HAVE BEEN ADDED TO THE CORRESPONDING PROPOSED PIPE CULVERT THAT IS REPLACING THE EXISTING PIPE CULVERT.
3. THE CONTRACTOR SHALL BE RESPONSIBLE TO MAINTAIN OPERATION OF ANY PIPES THAT CONNECT TO THE EXISTING DRAINAGE DITCH DURING ALL CONSTRUCTION OPERATIONS. AFTER FINAL REGRADING OF THE DITCHES IS COMPLETE SUCH PIPES SHALL BE ADJUSTED AS NECESSARY TO MATCH THE FINAL GRADING. ANY ADJUSTMENT NEEDED FOR SEPTIC OUTLETS, FIELD TILES, AND OTHER PIPES DISCHARGING INTO EXISTING DITCHES SHALL BE INCIDENTAL TO EARTHWORK COST.
4. ALL CORRUGATED STEEL PIPE FOR CULVERTS SHALL BE ALUMINUM COATED PER AASHTO M274. GALVANIZED STEEL PIPE SHALL NOT BE PERMITTED ON THIS PROJECT. ONLY CORRUGATED STEEL PIPE OR REINFORCED CONCRETE PIPE SHALL BE PERMITTED FOR CLASS C PIPE CULVERTS.
5. ALL DITCHES SHOWN ON THE PROFILE OF THE ROADWAY PLAN AND PROFILE SHEETS ARE SPECIAL DITCHES. TYPICAL DITCHES ARE NOT SHOWN ON THE PROFILE.
6. EXISTING 4" & 6" PVC DRAIN PIPES THAT CONNECT TO DITCH SHALL BE ADJUSTED TO CONNECT TO PROPOSED DITCH AND IS CONSIDERED INCIDENTAL TO GRADING ITEM.
7. ALL ENTRANCE CULVERTS SHALL BE INSTALLED ACCORDING TO SECTION 542.04 METHOD 1 AND SHALL USE TRENCH BACKFILL UNDER THE SURFACE.

PAVEMENT CONSTRUCTION:

1. THE THICKNESS OF THE HOT MIX ASPHALT MIXTURE SHOWN ON THE PLANS IS THE NOMINAL THICKNESS. DEVIATION FROM THE NOMINAL THICKNESS WILL BE PERMITTED WHEN SUCH DEVIATIONS OCCUR DUE TO IRREGULARITIES IN THE EXISTING SURFACE FOR BASE ON WHICH THE HOT MIX ASPHALT IS PLACED.
2. SAW CUTTING OF EXISTING PAVEMENT, NECESSARY FOR ITS REMOVAL, SHALL BE INCLUDED IN THE COST OF THE ITEMS FOR WHICH THE SAW CUT IS BEING MADE. THE REMOVAL OF ALL EXISTING CONCRETE AND/OR HOT-MIX ASPHALT ENTRANCE PAVEMENT HAS BEEN INCLUDED IN THE DRIVEWAY PAVEMENT REMOVAL QUANTITY AND THE REMOVAL OF ALL EXISTING AGGREGATE AND/OR OIL & CHIP ENTRANCE PAVEMENT SHALL BE INCLUDED IN THE EARTH EXCAVATION QUANTITY AND SHALL NOT BE MEASURED, NOR PAID FOR, AS A SEPARATE REMOVAL ITEM.
3. THE CONTRACTOR IS ADVISED THAT THE PROPOSED STORM SEWER ROADWAY CROSSINGS MAY CONFLICT WITH THE PROPOSED CEMENT STABILIZATION OPERATIONS DUE TO MINIMAL COVER OVER THE PIPES. THE CONTRACTOR SHALL EXERCISE EXTREME CAUTION IN THESE AREAS TO PREVENT ANY DAMAGE TO THE PROPOSED CULVERTS. THIS MAY NECESSITATE VARYING THE METHODS OF CEMENT STABILIZATION. NO DIRECT PAYMENT SHALL BE MADE FOR THESE ACCOMMODATIONS.
4. THE MAIN LINE HMA PAVEMENT SHALL BE PLACED WITH A SPREADING AND FINISHING MACHINE THAT UTILIZES A TRAVELING GRADE REFERENCE DEVICE A MINIMUM OF 30 FEET IN LENGTH TO HELP ENSURE THAT THE COMPLETED SURFACE COURSE WILL MEET THE SURFACE TEST AS SPECIFIED IN ARTICLE 406.11 OF THE IDOT STANDARD SPECIFICATION FOR ROAD AND BRIDGE CONSTRUCTION. TRIMMING OF THE SOIL-CEMENT BASE COURSE WILL ALSO BE REQUIRED BEFORE PLACING HMA BINDER COURSE.
5. HMA BUTT JOINTS SHALL BE MILLED IMMEDIATELY PRIOR TO THE INSTALLATION OF THE SURFACE COURSE.

PAVEMENT MARKING & SIGNAGE:

1. ALL PAVEMENT MARKING AND SIGNAGE SHALL BE IMPLEMENTED ACCORDING TO DIVISION 700 OF THE ABOVE REFERENCED EDITION OF THE IDOT STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION AND THE CURRENT EDITION OF THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES IN EFFECT ON THE DATE OF THE INVITATION FOR BIDS. ALL EXISTING SIGNS TO BE REMOVED AND REPLACED BY THE CONTRACTOR SHALL BE SALVAGED AND STOCKPILED FOR MACOUPIN COUNTY AS DIRECTED BY THE ENGINEER.
2. NO TEMPORARY PAINT PAVEMENT MARKINGS SHALL BE PLACED ON THE FINAL SURFACE.

SEEDING & EROSION CONTROL:

1. IT IS THE CONTRACTOR'S RESPONSIBILITY TO INSURE THAT ALL EROSION AND DISPLACED SEDIMENT DOES NOT MIGRATE OFF-SITE. IF UNEXPECTED EROSION OR SEDIMENTATION OCCURS OR IF THE EROSION PLAN STRUCTURES BECOME DAMAGED, THE CONTRACTOR SHALL PROVIDE SUFFICIENT MEASURES TO REPAIR, REPLACE, OR INSTALL EROSION CONTROL STRUCTURES TO INSURE OFF-SITE DAMAGE DOES NOT OCCUR. ANY SEDIMENT OR EROSION DAMAGE WHICH OCCURS OFF-SITE SHALL BE REPAIRED AT THE CONTRACTOR'S EXPENSE.
2. ALL TEMPORARY AND PERMANENT EROSION CONTROL DEVICES SHALL BE IMPLEMENTED AS SHOWN ON THE EROSION CONTROL PLAN. ALL MAINTENANCE OF EROSION CONTROL DEVICES SHALL BE EXECUTED ACCORDING TO SECTION 280 OF THE IDOT STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, ADOPTED JANUARY 1, 2022.
3. ALL EARTH SURFACES DISTURBED BY CONSTRUCTION, OR AS DIRECTED BY THE ENGINEER, SHALL BE SEEDED AND MULCHED IN ACCORDANCE WITH SECTIONS 250 AND 251 OF THE IDOT STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, ADOPTED JANUARY 1, 2022. ALL TEMPORARY EROSION CONTROL SEEDING SHALL BE IMPLEMENTED IN ACCORDANCE WITH SECTION 280 OF THE ABOVE REFERENCED EDITION OF THE IDOT STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION.
4. EROSION CONTROL BLANKET PLACED ON SLOPES SHALL BE TOED IN (MINIMUM DEPTH OF 6") ON THE UPSLOPE EDGE OR ALONG THE EDGE OF THE SHOULDER WHEN PLACED ADJACENT TO THE ROADWAY.

[5] PAY ITEM "STONED DUMPED RIP-RAP, CLASS A3" IS FOR BIDDING PURPOSES ONLY. THE ENGINEER SHALL DIRECT THE CONTRACTOR TO AREAS THAT WILL REQUIRE CLASS A3 RIPRAP DURING CONSTRUCTION.

BRIDGE:

1. THE APPROACH SLAB PAVEMENT SHALL BE PAID FOR AT THE CONTRACT UNIT PRICE FOR "CONCRETE SUPERSTRUCTURE". THE QUANTITY SHOWN ON THE PLANS INCLUDE BOTH THE APPROACH SLAB PAVEMENT AND CONCRETE SUPERSTRUCTURE.

COMMITMENTS:
NONE

APPLICABLE HIGHWAY STANDARDS:

000001-08	604001-05	701301-04	781001-04
001001-02	630001-12	701306-04	782001-01
001006	630301-09	701311-03	782006-01
280001-07	631011-10	701901-08	BLR 17-4
515001-04	631031-18	720001-01	BLR 18-6
542206-04	635001-02	720006-04	BLR 21-9
542301-03	666001-01	720011-01	BLR 22-7
601001-05	701001-02	725001-01	BLR 24-2
601101-02	701006-05	728001-01	BLR 26-3
602401-07	701011-04	731001-01	
602601-06	701201-05	780001-05	

APPLICATION RATES FOR ESTIMATING QUANTITIES:

BITUMINOUS MATERIALS (PRIME COAT ON FULL DEPTH RECLAMATION WITH CEMENT AND AGGREGATE BASE COURSE)	0.25 LBS/SQ FT
BITUMINOUS MATERIALS (TACK COAT ON HMA)	0.025 LBS/SQ FT
HOT-MIX ASPHALT THICKNESS	112 LBS/SQ YD/1"
TEMPORARY EROSION CONTROL SEEDING	100 LBS/ACRE
SEEDING FERTILIZER RATIO (NIT:PHOS:POT)	90:90:90 LBS/ACRE
CEMENT	0.60 100 WT/SQ YD
AGGREGATE	2.0 TONS/CU YD
STONED DUMPED RIP-RAP, CLASS A4	1.4 TONS/CU YD

STRUCTURAL PAVEMENT DESIGN INFORMATION:

BRIGHTON BUNKER HILL ROAD	
STRUCTURAL DESIGN TRAFFIC	2,867 YEAR 2042
PV =	2.638-92% SU = 1.43-5% MU = 86-3%
ROAD CLASSIFICATION	CLASS II
TRAFFIC FACTOR: TF	= 0.45
SUBGRADE SUPPORT RATING	POOR
PAVEMENT DESIGN	
RECYCLED BASE (CEMENT STABILIZED 5%) 12" @ 0.2	= 2.40
PROPOSED HMA (BINDER SURFACE) 4.50" @ 0.36	= 1.62
STRUCTURAL NUMBER = 4.02	

MIXTURES TABLE

	SURFACE COURSE	BINDER COURSE	INCIDENTAL
AC/PC	PG64-22	PG64-22	PG64-22
DESIGN AIR VOIDS	4% N50	4% N50	4% N50
MIX COMP (GRADATION MIX)	9.5	19	9.5
FRICTION AGG	C	N/A	C
QUALITY MANAGEMENT	QA/QC	QA/QC	QA/QC

LEGEND

- ADDITIONS OR MODIFICATIONS TO IDOT STANDARD 000001-08
- GRADING LIMITS
 - 2' FLAT BOTTOM DITCH
 - OE OVERHEAD ELECTRIC TO BE REMOVED
 - TBR TO BE REMOVED
 - TBR&R TO BE REMOVED AND RELOCATED
 - TBA TO BE ABANDONED
 - PROPOSED GUARDRAIL
 - FLARED END SECTION
 - W EXISTING WATER LINE
 - RIP RAP
 - EXISTING CULVERT

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 PLOTTED: 1/9/2023 @ 11:12:35 PM BY hargan_chris

FILE NAME =	USER NAME = Hargan, Chris	DESIGNED = CAW/JAL	REVISED = 1/3/2023
02 - GENERAL NOTES.DWG	PLOT SCALE = 1:1	DRAWN = RDS	REVISED =
	PLOT DATE = 1/9/2023	CHECKED = CAW	REVISED =
		DATE = 9/29/2022	REVISED =

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

GENERAL NOTES AND STANDARDS

SCALE: N/A SHEET NO.2 OF 112 SHEETS STA. NA TO STA. NA

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
736	01-00080-00-FP	MACOUPIN	112	2
CONTRACT NO. 93795			FED. ROAD DIST. NO. 6	

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODES	
				ROADWAY	BRIDGE
				0004 RURAL	0010 S.N. 059-3309
50300255	CONCRETE SUPERSTRUCTURE	CU YD	300.7		300.7
50300260	BRIDGE DECK GROOVING	SQ YD	597		597
50300280	CONCRETE ENCASEMENT	CU YD	9.8		9.8
50300300	PROTECTIVE COAT	SQ YD	759		759
50400735	FURNISHING AND ERECTING PRECAST PRESTRESSED CONCRETE BULB T-BEAMS 63"	FOOT	578		578
50800205	REINFORCEMENT BARS, EPOXY COATED	POUND	67040		67040
51201800	FURNISHING STEEL PILES HP14X73	FOOT	1040		1040
51202305	DRIVING PILES	FOOT	1040		1040
51203800	TEST PILE STEEL HP14X73	EACH	2		2
51500100	NAME PLATES	EACH	1		1
542A0229	PIPE CULVERTS, CLASS A, TYPE 1, 24"	FOOT	56	56	
542A0235	PIPE CULVERTS, CLASS A, TYPE 1, 30"	FOOT	87	87	
542A0241	PIPE CULVERTS, CLASS A, TYPE 1, 36"	FOOT	157	157	
542A2761	PIPE CULVERTS, CLASS A, TYPE 4, 36"	FOOT	157	157	
542A1105	PIPE CULVERTS, CLASS A, TYPE 2, 60"	FOOT	114	114	
542A1117	PIPE CULVERTS, CLASS A, TYPE 2, 72"	FOOT	211	211	
542A3427	PIPE CULVERTS, CLASS A, TYPE 5, 72"	FOOT	211	211	
542C0220	PIPE CULVERTS, CLASS C, TYPE 1, 15"	FOOT	627	627	
542C0223	PIPE CULVERTS, CLASS C, TYPE 1, 18"	FOOT	92	92	
542C1060	PIPE CULVERTS, CLASS C, TYPE 2, 15"	FOOT	42	42	
542C5479	PIPE CULVERTS, CLASS C, TYPE 1, EQUIVALENT ROUND SIZE 24"	FOOT	29	29	

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODES	
				ROADWAY	BRIDGE
				0004 RURAL	0010 S.N. 059-3309
54213495	END SECTIONS 60"	EACH	2	2	
54213507	END SECTIONS 72"	EACH	2	2	
54213660	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 15"	EACH	1	1	
54213669	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 24"	EACH	4	4	
54213675	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 30"	EACH	2	2	
54213681	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 36"	EACH	2	2	
550A0070	STORM SEWERS, CLASS A, TYPE 1, 15"	FOOT	130	130	
550A0120	STORM SEWERS, CLASS A, TYPE 1, 24"	FOOT	103	103	
58600101	GRANULAR BACKFILL FOR STRUCTURES	CU YD	376		376
59100100	GEOCOMPOSITE WALL DRAIN	SQ YD	106		106
59300100	CONTROLLED LOW-STRENGTH MATERIAL	CU YD	1048	1048	
60100060	CONCRETE HEADWALLS FOR PIPE DRAINS	EACH	36	36	
60108100	PIPE UNDERDRAINS 4" (SPECIAL)	FOOT	630	630	
60108104	PIPE UNDERDRAINS, TYPE 1, 4"	FOOT	14708	14708	
60146304	PIPE UNDERDRAINS FOR STRUCTURES 4"	FOOT	162		162
60221100	MANHOLES, TYPE A, 5'-DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	1	1	
60240210	INLETS, TYPE B, TYPE 1 FRAME, OPEN LID	EACH	2	2	
60608600	COMBINATION CONCRETE CURB AND GUTTER, TYPE M-6.06	FOOT	14.5	14.5	

* SPECIAL PROVISION
 Δ SPECIALTY ITEM
 # 0042

PATH: \\sawyer\clients\016330 - macoupin county\300 - brighton bunker hill rd\1630-300 drafting\sheet files\03 - summary of quantities.dwg
 PLOTTED: 1/10/2023 @ 12:27:10 pm BY: hargon, chris

FILE NAME =	USER NAME = Hargon, Chris	DESIGNED - JAL	REVISED - 1/3/2023
03 - SUMMARY OF QUANTITIES.DWG	PLOT SCALE = 1:1	DRAWN - RDS	REVISED -
	PLOT DATE = 1/10/2023	CHECKED - CAW	REVISED -
		DATE - 9/29/2022	REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

SCALE: N/A	SHEET NO. 4 OF 112 SHEETS	STA. NA	TO STA. NA	F.A.S. RTE. 736	SECTION 01-00080-00-FP	COUNTY MACOUPIN	TOTAL SHEETS 112	SHEET NO. 4
				CONTRACT NO. 93795				
ILL. ROAD DIST. HQ B ILLINOIS TREC. AD PROJECT								

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 PLOTTED: 1/9/2023 @ 11:11:46 PM BY hargon, chris

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODES	
				ROADWAY	BRIDGE
				0004 RURAL	0010 S.N. 059-3309
60610400	COMBINATION CONCRETE CURB AND GUTTER, TYPE M-6.24	FOOT	28.5	28.5	
60618320	CONCRETE MEDIAN SURFACE, 6"	SQ FT	109	109	
Δ 63000001	STEEL PLATE BEAM GUARDRAIL, TYPE A, 6 FOOT POSTS	FOOT	2229	2229	
Δ 63100045	TRAFFIC BARRIER TERMINAL, TYPE 2	EACH	3	3	
Δ 63100085	TRAFFIC BARRIER TERMINAL, TYPE 6	EACH	4	4	
Δ 63100167	TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) TANGENT	EACH	3	3	
Δ 63100169	TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) FLARED	EACH	6	6	
Δ 63200310	GUARDRAIL REMOVAL	FOOT	500	500	
66600105	FURNISHING AND ERECTING RIGHT-OF-WAY MARKERS	EACH	116	116	
67000500	ENGINEER'S FIELD OFFICE, TYPE B	CAL MO	24	24	
67100100	MOBILIZATION	L SUM	1	1	
Δ 72000100	SIGN PANEL, TYPE 1	SQ FT	118	118	
72400100	REMOVE SIGN PANEL ASSEMBLY - TYPE A	EACH	2	2	
72400200	REMOVE SIGN PANEL ASSEMBLY - TYPE B	EACH	3	3	
72400310	REMOVE SIGN PANEL - TYPE 1	SQ FT	67	67	
72400500	RELOCATE SIGN PANEL ASSEMBLY - TYPE A	EACH	1	1	
72400600	RELOCATE SIGN PANEL ASSEMBLY - TYPE B	EACH	3	3	
72400710	RELOCATE SIGN PANEL - TYPE 1	SQ FT	55	55	

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODES	
				ROADWAY	BRIDGE
				0004 RURAL	0010 S.N. 059-3309
Δ 72501000	TERMINAL MARKER-DIRECT APPLIED	EACH	12	12	
Δ 72800100	TELESCOPING STEEL SIGN SUPPORT	FOOT	307	307	
Δ 78000100	THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS	SQ FT	93.6	94	
Δ 78000200	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	FOOT	30968	30968	
Δ 78000600	THERMOPLASTIC PAVEMENT MARKING - LINE 12"	FOOT	531	531	
Δ 78100100	RAISED REFLECTIVE PAVEMENT MARKER	EACH	215	215	
Δ 78200005	GUARDRAIL REFLECTORS, TYPE A	EACH	31	31	
* LR400015	ADD ROCK	SQ YD	28446	28446	
* LR400903	FULL-DEPTH RECLAMATION, 12.0"	SQ YD	28446	28446	
* X0100002	GRADING AND SHAPING SPECIAL	SQ YD	28446	28446	
* X7010216	TRAFFIC CONTROL AND PROTECTION, SPECIAL	L SUM	1	1	
* Z0013798	CONSTRUCTION LAYOUT	L SUM	1	1	
* Z0021903	SILICONE JOINT SEALER, 3/4"	FOOT	78	78	
# Z0076600	TRAINEES	HOUR	1000	1000	
# Z0076604	TRAINEES TRAINING PROGRAM GRADUATE	HOUR	1000	1000	

* SPECIAL PROVISION
 Δ SPECIALTY ITEM
 # 0042

STORM SEWER & PIPE CULVERT SCHEDULE

FROM STRUCTURE NO. (STATION, OFFSET)	UPSTREAM INVERT	TO STRUCTURE NO. (STATION, OFFSET)	DOWN- STREAM INVERT	SLOPE	STORM SEWER										CONTROLLED LOW- STRENGTH MATERIAL (CU YD)	TRENCH BACKFILL (CU YD)	
					CLASS C			CLASS A			CLASS A			CLASS A			
					TYPE 1			TYPE 1			TYPE 2			TYPE 1			
					15" CMP (FOOT)	18" CMP (FOOT)	20"x28" ARCH CMP (FOOT)	15" CMP (FOOT)	24" RCP (FOOT)	30" RCP (FOOT)	36" RCP (FOOT)	60" RCP (FOOT)	72" RCP (FOOT)	15" RCP (FOOT)			24" RCP (FOOT)
					542C0220	542C0223	542C5479	542C1060	542A0229	542A0235	542A0241	542A1105	542A1117	550A0070	550A0120	59300100	20800150
BRIGHTON BUNKER HILL ROAD																	
2	289+38.36	32.15 RT	625.62	3	289+62.36	32.25 RT	625.38	1.00%	24								2
4	291+32.51	36.10 RT	620.45	5	291+64.03	38.01 RT	616.93	11.00%							32		3
5	291+64.03	38.01 RT	616.93	6	292+18.76	38.33 RT	615.28	3.00%							55		
6	292+18.76	38.33 RT	615.28	1	292+62.98	45.61 RT	614.85	1.00%							43		
7	292+50.03	36.82 LT	616.73	1	292+62.98	45.61 RT	615.00	2.06%							83	68	
1	292+62.98	45.61 RT	614.85	8	292+63.50	65.18 RT	614.51	1.70%							20		
9	293+37.03	37.18 LT	614.32	10	293+27.03	49.00 RT	613.19	1.30%			87					41	
12	296+69.83	30.81 LT	615.39	11	296+41.87	30.82 LT	615.29	0.34%									3
14	298+03.41	27.50 LT	617.84	13	297+77.02	28.02 LT	617.34	1.85%			27						3
16	298+54.98	26.61 LT	618.79	15	298+23.28	27.30 LT	618.21	1.83%			32						3
18	301+33.20	26.75 LT	623.10	17	301+06.20	26.27 LT	622.90	0.75%	27								3
23	305+61.43	29.81 RT	621.31	24	305+87.53	30.08 RT	620.99	1.25%	26								4
19	305+68.60	28.46 LT	621.20	20	305+98.00	28.23 LT	621.00	0.67%	30								3
21	308+00.57	28.07 LT	619.78	22	308+33.43	27.91 LT	618.93	-0.80%	32								3
25	305+98.50	30.14 RT	620.32	26	306+29.50	29.93 RT	620.14	0.60%	31								4
27	307+00.32	28.18 LT	620.08	28	307+28.46	28.17 LT	619.83	0.90%	29								3
29	308+42.00	27.94 LT	618.61	30	308+74.86	27.78 LT	618.56	0.76%			33						3
31	313+40.00	32.46 LT	612.50	32	313+40.00	35.46 RT	611.50	1.50%			56				30		
33	316+06.52	24.37 LT	613.40	34	316+32.23	24.53 LT	613.15	0.98%	26								2
35	319+84.12	40.82 RT	601.19	36	320+32.66	43.29 RT	600.93	0.53%	49								9
37	322+47.33	75.00 LT	582.43	38	323+18.37	80.88 LT	579.09	4.60%	72								12
39	323+40.00	87.00 RT	572.00	40	324+48.00	96.00 LT	567.00	2.37%					211		613		
42	325+09.92	39.00 RT	591.28	41	324+65.80	59.72 RT	586.43	11.30%	43								3
43	329+38.82	26.36 LT	595.09	44	329+77.19	26.18 LT	594.42	1.75%	39								3
45	329+71.63	25.49 RT	594.67	46	329+99.20	34.91 RT	593.02	6.00%	28								2
48	342+51.00	50.50 LT	564.50	47	342+25.00	60.40 RT	560.09	3.87%					114		143		
50	344+30.48	36.57 RT	576.93	49	343+81.76	44.12 RT	573.04	8.00%	49								7
52	347+78.19	29.70 RT	589.15	51	347+42.19	28.22 RT	588.62	1.48%	36								5
54	353+27.84	74.00 RT	591.00	53	353+27.84	82.45 LT	590.00	0.64%			157				152		
56	358+40.56	31.79 RT	619.14	55	358+12.54	31.18 RT	618.83	1.10%	29								3
57	359+33.5	36.80 LT	618.23	58	359+58.50	35.00 LT	618.91	2.73%	25								4
59	361+75.44	29.15 RT	620.61	60	362+07.04	30.17 RT	620.33	0.88%	32								4
61	337+71.43	35.36 LT	564.55	62	337+29.43	39.22 LT	564.16	0.93%			42						4
TOTAL					627	92	29	42	56	87	157	114	211	130	103	1048	91

DRAINAGE STRUCTURES SCHEDULE

LOCATION	STRUCTURE NO.	ELEVATIONS		INLETS TYPE B	MANHOLE TYPE A (5' DIA.)
		TOP OF STRUCTURE	INVERT		
STATION	OFFSET	BRIGHTON BUNKER HILL ROAD		60240210	60221100
291+64.04	38.11 RT	5	619.75	616.93	1
292+18.79	38.33 RT	6	618.00	615.28	1
292+60.92	45.61 RT	1	619.00	614.85	1
TOTAL					2

END SECTION SCHEDULE

LOCATION (STATION, OFFSET)	INVERT	STRUCTURE NO.	PRECAST REINFORCED CONCRETE FLARED END SECTIONS				END SECTIONS	
			15"	24"	30"	36"	60"	72"
			54213660	54213669	54213675	54213681	54213495	54213507
BRIGHTON BUNKER HILL ROAD								
291+32.51	36.10' RT	620.45	4	1				
292+50.03	36.82' LT	616.50	7		1			
292+63.50	65.18' RT	614.51	8		1			
293+37.03	37.18' LT	614.32	9			1		
293+27.03	48.08' RT	613.83	10			1		
313+40.00	32.46' LT	612.50	31		1			
313+40.00	35.46' RT	611.50	32		1			
323+33.00	96.90' RT	572.00	39					1
324+56.00	110.43' LT	567.00	40					1
342+53.00	59.16' LT	564.50	48					1
342+25.00	64.83' RT	562.00	47					1
353+27.84	74.00' RT	589.00	53				1	
353+27.84	82.45' LT	588.00	54				1	
TOTAL				1	4	2	2	2

NOTE: LOCATIONS AND INVERTS SHOWN IN SCHEDULE INDICATE CENTER OF FLARED END ON FES.

PATH: \\hargan\delmas\01630 - macoupin county\300 - brighton bunker hill rd\1630-300 dra\brhg\sheet files\08-11 - schedules.dwg
 PLOTTED: 1/9/2023 @ 1:12:16 PM BY: hargan, chris

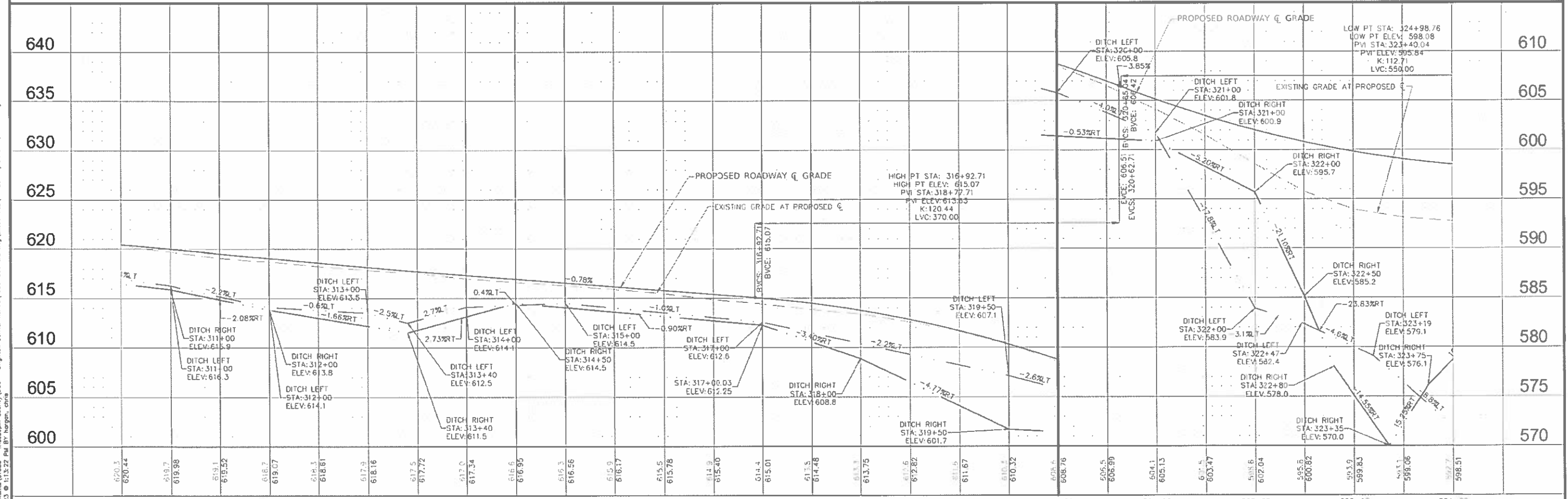
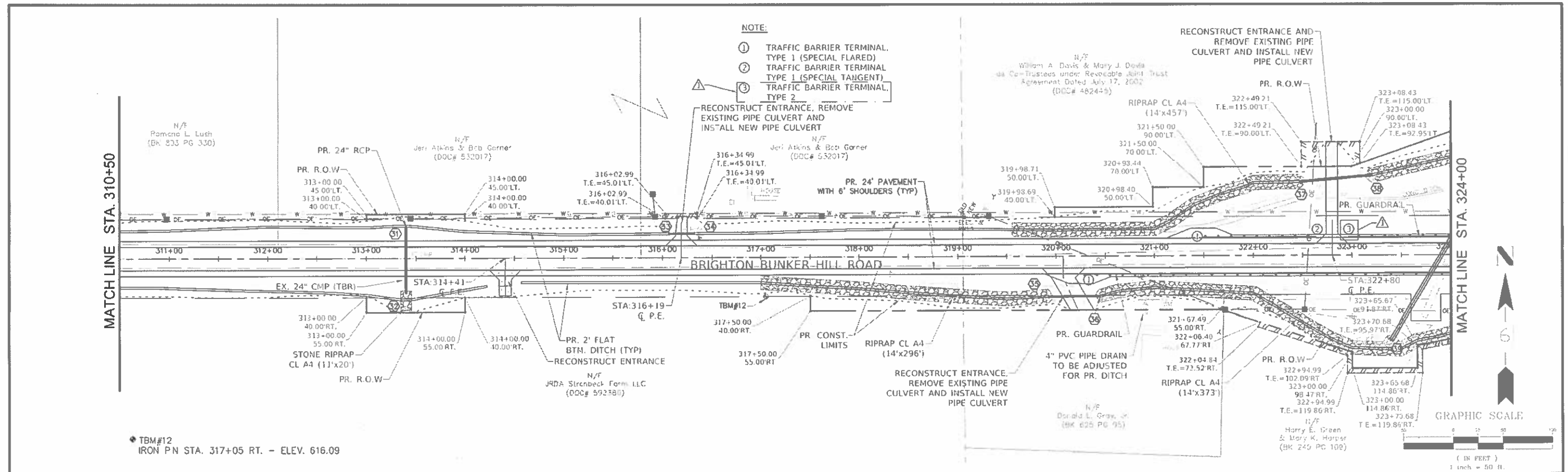
FILE NAME =	08-11 - SCHEDULES.DWG	USER NAME = Horgan, Chris	DESIGNED - JAL	REVISED - 1/3/2023
		PLOT SCALE = 1:1	DRAWN - RDS	REVISED -
		PLOT DATE = 1/9/2023	CHECKED - CAW	REVISED -
			DATE - 9/29/2022	REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

SCHEDULES

SCALE: N/A SHEET NO. 12 OF 112 SHEETS STA. NA TO STA. NA

F.A.S. RTE 736	SECTION 01-00080-00-PP	COUNTY MACOUPIN	TOTAL SHEETS 112	SHEET NO. 12
CONTRACT NO. 93795			FED. ROAD DIST. NO. 8	



FILE NAME =	USER NAME = Horgan, Chris	DESIGNED - JAL	REvised - 1/3/2023	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	ROADWAY PLAN AND PROFILE	F.A.S. R.T. = 736	SECTION = 01-0080-0C-FP	COUNTY = MACOUPIN	TOTAL SHEETS = 112	SHEET NO. = 22	
17-23 - PLAN AND PROFILES.DWG	PLOT SCALE = 1:1	CHECKED - CAW	REvised -			SCALE: 1"=50'	SHEET NO. 22 OF 112 SHEETS	STA. 310+50	TO STA. 324+00	CONTRACT NO. 93795	
	PLOT DATE = 1/9/2023	DATE = 9/29/2022	REvised -								

Path: \\horgan\clients\1630 - moscoupan\1630 - brighton bunker hill rd\1630-300 drafting\sheet files\17-23 - plan and profiles.dwg
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