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SURVEYED
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ALIGNMENT CHECKED
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CADD FILE NAME

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STATEWIDE HIGHWAY STANDARDS

IDOT NO.	STANDARD DRAWINGS
000001-07	STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
001001-07	AREAS OF REINFORCEMENT BARS
	PERPENDICULAR CURB RAMPS FOR SIDEWALKS
424001-11	
424011-04	CORNER PARALLEL CURB RAMPS FOR SIDEWALKS
601001-05 602001-02	PIPE UNERDRAINS TYPE 2 4"
602001-02	CATCH BASIN, TYPE A CATCH BASIN. TYPE C
602011-02	CATCH BASIN, TYPE D
602301-04	INLET. TYPE A
602306-03	INLET, TYPE B
602411-07	MANHOLE TY A. 7' DIA
602416-07	MANHOLE TY A, 8' DIA
602421-07	MANHOLE TY A. 9' DIA
602701-02	MANHOLE STEPS
604001-04	FRAME AND LIDS, TYPE 1
604051-04	FRAME AND GRATE TYPE 11
606001-07	CONCRETE CURB TYPE B AND COMBINATION CONCRETE CURB AND GUTTER
606301-04	PC CONCRETE ISLANDS AND MEDIANS
606306-04	CORRUGATED PC CONCRETE MEDIAN
630001-12	STEEL PLATE BEAM GUARDRAIL
631006-08	TRAFFIC BARRIER TERMINAL GUARDRAIL
635001-02	DELINEATORS
701006-05	OFF-RD OPERATIONS 2L, 2W, 15' TO 24" FROM PAVEMENT EDGE
701101-05	OFF-RD OPERATIONS, MULTI LANE, 15' TO 24', FROM PAVEMENT EDGE
701106-02	OFF-RD OPERATIONS, MULTI LANE, MORE THAN 15' AWAY
701301-04	LANE CLOSURE, 2L, 2W, SHORT TIME OPERATIONS
701427-05	LANE CLOSURE, MULTILANE, INTERMITTENT OR MOVING OPER. FOR SPEEDS <= 40 MPH
701701-10	URBAN LANE CLOSURE, MULTI LANE INTERSECTION
701801-06	SIDEWALK, CORNER OR CROSSWALK CLOSURE
701901-08	TRAFFIC CONTROL DEVICES
704001-08	TEMPORARY CONCRETE BARRIER
720001-01	SIGN PANEL MOUNTING DETAILS
780001-05	TYPICAL PAVEMENT MARKINGS
781001-04	TYPICAL APPLICATIONS RAISED REFLECTIVE PAVEMENT MARKERS
782006	GUARDRAIL AND BARRIER WALL REFLECTOR MOUNTING DETAILS (3 SHEETS)
814006-02	DOUBLE HANDHOLES
857001-01	STANDARD PHASE DESIGNATION DIAGRAMS AND PHASE SEQUENCES
873001-02	TRAFFIC SIGNAL GROUNDING AND BONDING
877001-07	STEEL MAST ARM ASSEMBLY AND POLE 16' THROUGH 55'
878001-10	CONCRETE FOUNDATION DETAILS
880001-01	SPAN WIRE MOUNTED SIGNALS AND FLASHING BEACON INSTALLATION

DISTRICT ONE DETAILS

TRAFFIC SIGANL MOUNTING DETAILS

880006-01

STANDARD	TITLE
BD-8	DETAILS FOR FRAMES AND LIDS ADJUSTMENT WITH MILLING
BD-24	CURB AND GUTTER AND REMOVAL AND REPLACEMENT
BD-32	BUTT JOINT AND HMA TAPER DETAILS
BD-34	DETAILS FOR DEPRESSED CURB AND GUTTER AND SHOULDER TREATMENT AT TBT TY. 1 SPL
BD-36	FIRE HYDRANT TO BE MOVED
BD-37	MANHOLE TYPE A 7 FOOT DIAMETER
TC-10	TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS AND DRIVEWAYS
TC-11	RAISED REFLECTIVE PAVEMENT MARKERS (SNOW PLOW RESISTANT)
TC-13	DISTRICT ONE TYPICAL PAVEMENT MARKINGS
TC-16	PAVEMENT MARKING LETTERS AND SYMBOLS FOR TRAFFIC STAGING
TC-22	ARTERIAL ROAD INFORMATION SIGN
TS-02	MAST ARM MOUNTED STREET NAME SIGNS
TS-05	TRAFFIC SIGNAL DESIGN DETAILS
TS-07	DETECTOR LOOP INSTALLATION DETAILS

GENERAL NOTES

1. SPECIFICATIONS, STANDARDS AND SPECIAL PROVISIONS:

ALL CONSTRUCTION SHALL BE PERFORMED IN ACCORDANCE WITH THE ILLINOIS DEPARTMENT OF TRANSPORTATION "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION", ADOPTED APRIL 1, 2016 (HEREINAFTER REFERRED TO AS THE STANDARD SPECIFICATIONS); THE "SUPPLEMENTAL SPECIFICATIONS AND RECURRING SPECIAL PROVISIONS", ADOPTED JANUARY 1, 2019; THE LATEST EDITION OF THE "ILLINOIS MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAYS"; THE "DETAILS" ON THE PLANS AND THE "SPECIAL PROVISIONS" INCLUDED IN THE CONTRACT DOCUMENTS.

ANY REFERENCE TO STANDARDS THROUGHOUT THE PLANS OR SPECIAL PROVISIONS SHALL BE INTERPRETED AS THE LATEST STANDARD OF THE DEPARTMENT.

2. PROTECTION OF PUBLIC/PRIVATE PROPERTY:

THE CONTRACTOR SHALL PROTECT ALL EXISTING TREES TO REMAIN: SHRUBS, FENCES, DRAIN LINES, POWER LINES, AND OTHER PUBIC/PRIVATE PROPERTY. ANY ITEM THAT IS DAMAGED SHALL BE REPLACED OR REPAIRED BY THE CONTRACTOR AS DIRECTED BY THE ENCINIED.

3. EXISTING STREET CLEANLINESS:

THE CONTRACTOR SHALL KEEP EXISTING AND ADJACENT STREETS CLEAN OF DIRT. MUD, AND OTHER DEBRIS AND, WHEN NECESSARY, CLEAN PAVEMENTS ON A DAILY BASIS.

4. CONSTRUCTION LIMITS:

THE CONTRACTOR SHALL CONFINE HIS/ HER OPERATIONS WITHIN THE DEDICATED ROADWAY RIGHT-OF-WAY OR EASEMENTS OBTAINED BY THE VILLAGE OF BOLINGBROOK, ANY DAMAGE OUTSIDE OF RIGHT-OF-WAY OR EASEMENTS SHALL BE REPAIRED AT THE CONTRACTOR'S EXPENSE.

5. SUBGRADE STABILITY:

THE SUBGRADE STABILITY SHALL BE VERIFIED BY PROOF ROLLING WITH A FULLY LOADED TANDEM-AXLE TRUCK.

6. AGGREGATE SUBGRADE IMPROVEMENT.

AGGREGATE SUBGRADE IMPROVEMENT (CU YD) HAS BEEN PROVIDED FOR USE AT THE LOCATIONS INDICATED FOR SOILS THAT TEND TO BE UNSTABLE AND/OR UNSUITABLE. THE ACTUAL NEED FOR REMOVALAND REPLACEMENT WITH ASI WILL BE DETERMINED IN THE FIELD AT THE TIME OF CONSTRUCTION BY THE GEOTECHNICAL ENGINEER. ALL POTENTIALLY UNSTABLE SOILS SHOULD BE TESTED WITH A STATIC OR DYNAMIC CONE PENETROMETER AND TREATED IN ACCORDANCE WITH ARTICLE 301,04 OF THE SSRBC AND IDDT SUBGRADE STABILITY MANUAL. IF UNSTABLE AND/OR UNSUITABLE SOILS ARE NOT ENCOUNTERED. THEN THE QUANTITY SHALL BE DEDUCTED AND NO ADDITIONAL COMPENSATION WILL BE DUE TO THE CONTRACTOR.

ANY AGGREGATE SUBGRADE IMPROVEMENT CONTAMINATED AND/OR DAMAGED BY THE CONTRACTOR'S VEHICLES AND/OR EQUIPMENTS IS TO BE REMOVED AND REPLACED AS DIRECTED BY THE ENGINEER AT CONTRACTOR EXPENSE.

7. PIPE UNDERDRAINS:

PIPE UNDERDRAINS SHALL BE INSTALLED ACCORDING TO SECTION 601 OF THE SSRBC AND STANDARD 601001-05. TOP OF PIPE UNDERDRAINS SHALL BE PLACED MINIMUM 6" BELOW THE AGGREGATE SUBGRADE IMPROVEMENT LAYER. THE COST OF MAKING PIPE UNDERDRAINS CONNECTIONS TO DRAINAGE STRUCTURES SHALL BE INCLUDED INTHE COST OF THE PIPE UNDERDRAINS.

8. BACKFILLING:

BACKFILLING STORM SEWER CONSTRUCTED UNDER THE ROADWAY SPECIFIED UNDER ART. 550.07 (b,c) OF THE SSRBC WILL NOT BE ALLOWED.

9. FOUNDATION-LIGHT POLE

THE CONTRACTOR SHALL SUBMIT COMPLETE DESIGN CALCULATION WITH SHOP DRAWINGS PREPARED AND SEALED BY AN ILLINOIS LICENSED STRUCTURAL ENGINEER. A SPECIAL ATTENTION SHOULD BE PAID TO THE DEPTH OF FOUNDATIONS OF THE LIGHT POLES LOCATED WITHIN EMBANKMENTS OR BACKFILLED AREAS.

NOTE:

TO STA.

THE CONTRACTOR SHALL CONTACT THE IDOT DISTRICT ONE TRAFFIC CONTROL SUPERVISOR AT (847) 705-4470 A MINIMUM OF 72 HOURS IN ADVANCE OF BEGINNING WORK.

1 REV 2/20/19

FILE NAME =	USER NAME = _USER_	DESIGNED -	s.s.	REVISED -
		CHECKED -	J.B.	REVISED -
	PLOT SCALE = 2.00 ft / in.	DRAWN -	G.R/L.V.	REVISED -
	PLOT DATE = 2/20/2019	CHECKED -		REVISED -

STATE OF ILLINOIS **DEPARTMENT OF TRANSPORTATION**

GENERAL NOTES NONE SHEET NO. 2 OF SHEETS STA. SCALE:

INDEX OF SHEETS, APPLICABLE HIGHWAY STANDARDS,

TOTAL SHEET NO. COUNTY 145 2 15-00059-00-PV WILL CONTRACT NO. 61F40 FED. ROAD DIST. NO. | ILLINOIS FED. AID PROJECT

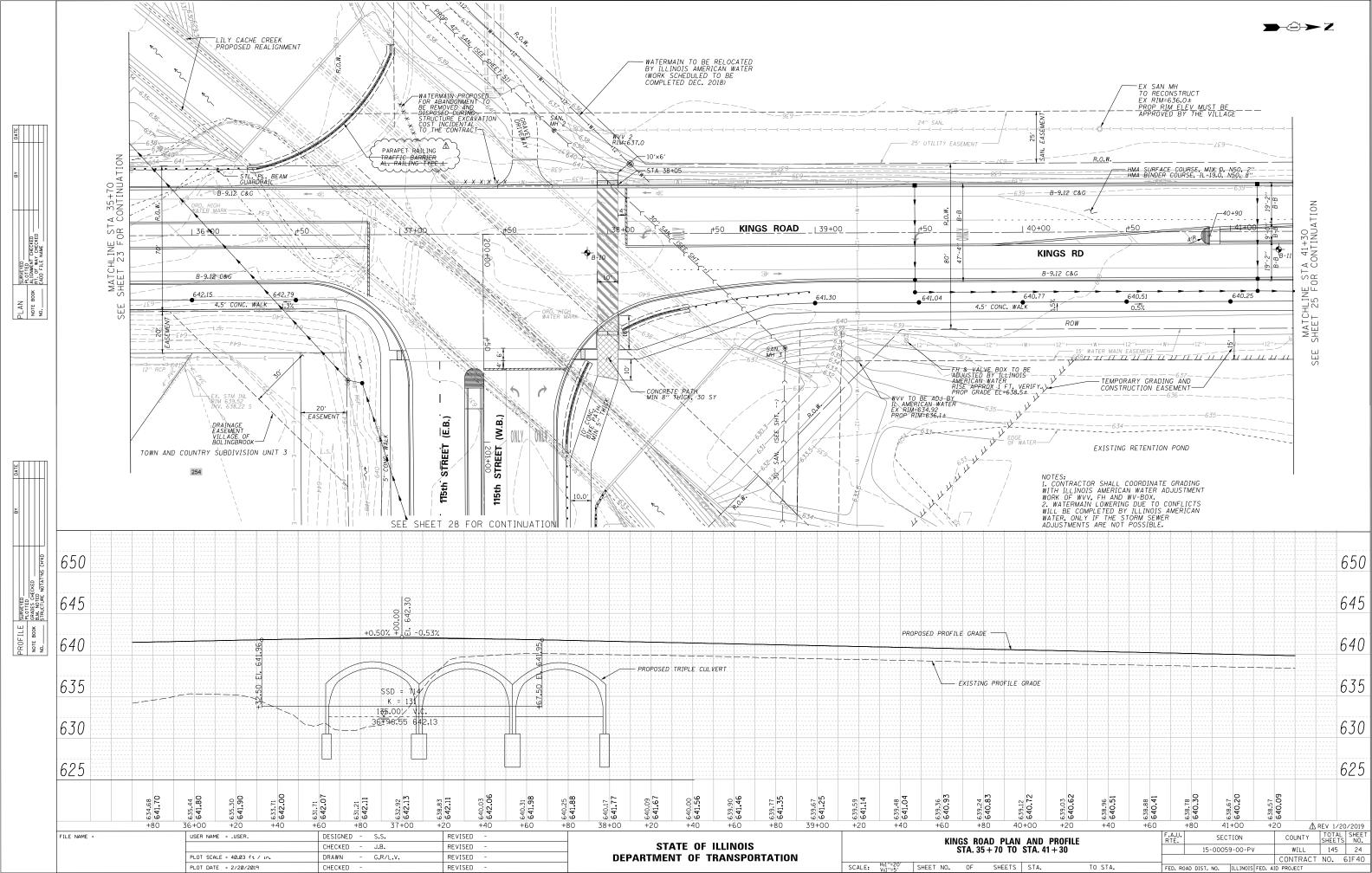
SUMMARY OF QUANTITIES

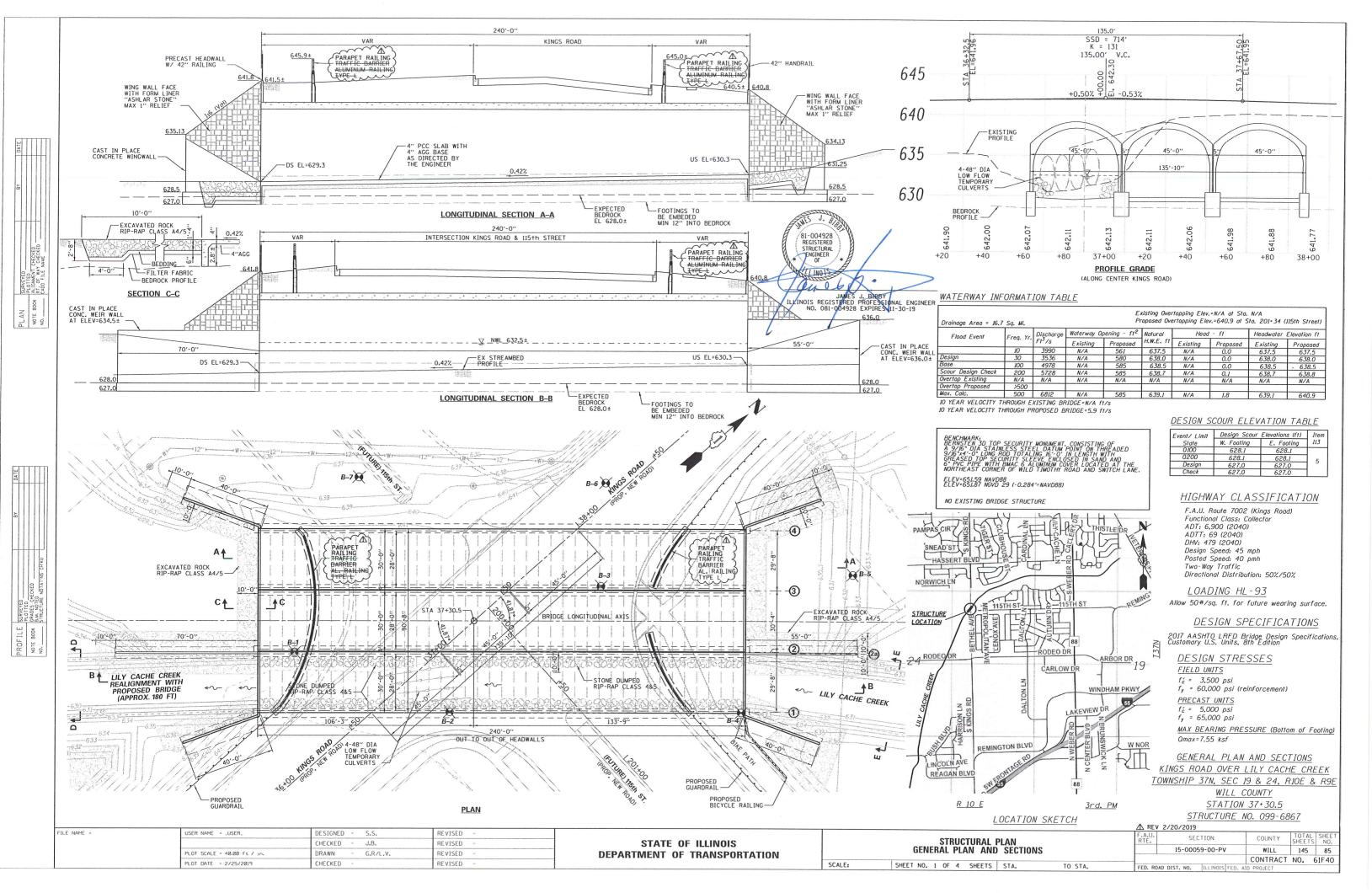
J	CODE NO.	ITEM	UNIT	TOTAL QUANTITY
	20100110	TREE REMOVAL (6 TO 15 UNITS DIAMETER)	UNIT	950
	20102012	THE REMAINS OF A STATE PARTY OF		700
	20100210	TREE REMOVAL (OVER 15 UNITS DIAMETER)	UNIT	700
	20101300	TREE PRUNING (1 TO 10 INCH DIAMETER)	EACH	12
	20101350	TREE PRUNING (OVER 10 INCH DIAMETER)	EACH	6
	20200100	EARTH EXCAVATION	CU YD	6,297
	20200200	ROCK EXCAVATION	CU YD	550
	20201200	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL	CU YD	2,500
	20300100	CHANNEL EXCAVATION	CU YD	3,850
	20700110	POROUS GRANULAR EMBANKMENT	TON	12,500
	20800150	TRENCH BACKFILL	CU YD	2,150
	21001000	GEOTECHNICAL FABRIC FOR GROUND STABILIZATION	SQYD	29,500
	21101505	TOP SOIL EXCAVATION AND PLACEMENT	CU YD	5,787
	25000110	SEEDING, CLASS 1A	ACRE	3.44
	25000312	SEEDING, CLASS 4A	ACRE	4.25
	25000314	SEEDING, CLASS 4B	ACRE	0.1
	25000320	SEEDING, CLASS 5	ACRE	4.25
	25000400	NITROGEN FERTILIZER NUTRIENT	POUND	352
	25000600	POTASSIUM FERTILIZER NUTRIENT	POUND	352
	25100630	EROSION CONTROL BLANKET	SQYD	38,000
	25100900	TURF REINFORCEMENT MAT	SQ YD	1,000
	25200100	SODDING	SQ YD	300
	25200110	SODDING, SALT TOLERANT	SQ YD	2,900
	25200200	SUPPLEMENTAL WATERING	UNIT	215
	28000400	PERIMETER EROSION BARRIER	FOOT	5,600
	28000510	INLET FILTERS	EACH	90
	28100105	STONE RIPRAP, CLASS A3	SQYD	117
	28100707	STONE DUMPED RIPRAP, CLASS A4	SQ YD	100
	28100809	STONE DUMPED RIPRAP, CLASS A5	TON	1,100
	28200200	FILTER FABRIC	SQYD	1,500
	30300001	AGGREGATE SUBGRADE IMPROVEMENT	CUYD	2,500
	30300112	AGGREGATE SUBGRADE IMPROVEMENT 12"	SQYD	29,500
	35101600	AGGREGATE BASE COURSE, TYPE B 4"	SQYD	3,700
I	40600275	BITUMINOUS MATERIALS (PRIME COAT)	POUND	54,000

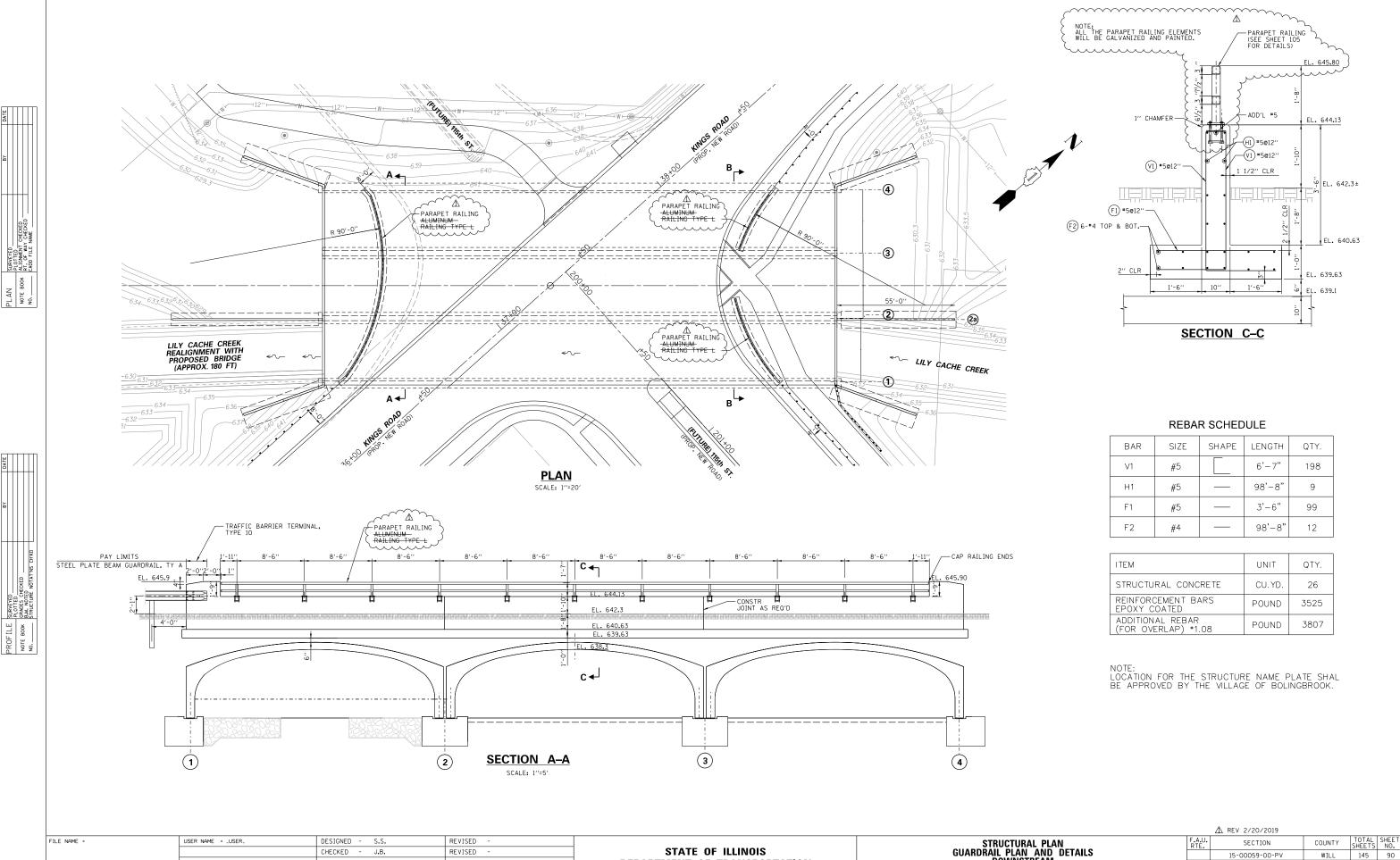
	ITEM	UNIT	TOTAL QUANTITY
40600290	BITUMINOUS MATERIALS (TACK COAT)	POUND	11,000
40600982	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT	SQ YD	250
40603080	HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50	TON	11,200
40603335	HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50	TON	2,950
42000300	PORTLAND CEMENT CONCRETE PAVEMENT 8"	SQ YD	30
42400200	PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH	SQ FT	33,000
42400800	DETECTABLE WARNINGS	SQ FT	200
44000157	HOT-MIX ASPHALT SURFACE REMOVAL, 2"	SQ YD	500
44000500	COMBINATION CURB AND GUTTER REMOVAL	FOOT	500
44000600	SIDEWALK REMOVAL	SQ FT	400
E0405000	NOT CHILLEN T DEMOVAL	F00-	400
50105220	PIPE CULVERT REMOVAL	FOOT	120
E0200400	CTRICTURE EVCAVATION	CHVB	0.400
50200100	STRUCTURE EXCAVATION	CU YD	8,100
50200400	ROCK EXCAVATION FOR STRUCTURES	011 V=	755
50200400	ROCK EXCAVATION FOR STRUCTURES	CU YD	755
50300225	CONCRETE STRUCTURES	CILVE	4.050
50300225	CONCRETE STRUCTURES	CU YD	1,052
50300285	EODM I MED TEYTIDED SIDEACE	90 57	4 200
JUJUU280	FORM LINER TEXTURED SURFACE	SQ FT	1,200
50800205	DEINEODAEMENT DADO EDOVY COATED	POUND	110,000
50800205	REINFORCEMENT BARS, EPOXY COATED	POUND	110,000
50900105	ALUMANUM DAU NC TYPE I	FOOT	180
Λ Λ Λ	ALUMINUM RAILING, TYPE L	Λ Λ	A A A
50001720	DICYCLE DAILING	FOOT	40
50901720	BICYCLE RAILING	7001	40
50901750	PARAPET RAILING	FOOT	180
A A A		Λ Λ	\ \ \ \ \ \
50901760	DIDE HANDDAII	FOOT	250
30901700	PIPE HANDRAIL	F001	230
51500100	NAME DI ATEC	EACH	4
51500100	NAME PLATES	EACH	1
51500100 54210194	NAME PLATES PIPE ELBOW, 42"	EACH	1
54210194	PIPE ELBOW. 42"	EACH	1
54210194 54213660	PIPE ELBOW, 42" PRECAST REINFORCED CONCRETE FLARED END SECTIONS 15"	EACH	9
54210194	PIPE ELBOW. 42"	EACH	1
54210194 54213660 54213693	PIPE ELBOW, 42" PRECAST REINFORCED CONCRETE FLARED END SECTIONS 15" PRECAST REINFORCED CONCRETE FLARED END SECTIONS 48"	EACH EACH	9
54210194 54213660	PIPE ELBOW, 42" PRECAST REINFORCED CONCRETE FLARED END SECTIONS 15"	EACH	9
54210194 54213660 54213693 550A2320	PIPE ELBOW, 42" PRECAST REINFORCED CONCRETE FLARED END SECTIONS 15" PRECAST REINFORCED CONCRETE FLARED END SECTIONS 48" STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 1 12"	EACH EACH FOOT	1 9 1 3,029
54210194 54213660 54213693 550A2320	PIPE ELBOW, 42" PRECAST REINFORCED CONCRETE FLARED END SECTIONS 15" PRECAST REINFORCED CONCRETE FLARED END SECTIONS 48"	EACH EACH	9
54210194 54213660 54213693 550A2320 550A2330	PIPE ELBOW, 42" PRECAST REINFORCED CONCRETE FLARED END SECTIONS 15" PRECAST REINFORCED CONCRETE FLARED END SECTIONS 48" STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 1 12" STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 1 15"	EACH EACH FOOT	1 9 1 3,029
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54210194 54213660 54213693 550A2320 550A2330	PIPE ELBOW, 42" PRECAST REINFORCED CONCRETE FLARED END SECTIONS 15" PRECAST REINFORCED CONCRETE FLARED END SECTIONS 48" STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 1 12" STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 1 15"	EACH EACH FOOT	1 9 1 3,029
54210194 54213660 54213693 550A2320 550A2330 550A2420 55100500	PIPE ELBOW, 42" PRECAST REINFORCED CONCRETE FLARED END SECTIONS 15" PRECAST REINFORCED CONCRETE FLARED END SECTIONS 48" STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 1 12" STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 1 15" STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 1, 48" STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 1, 48"	EACH EACH FOOT FOOT FOOT	1 9 1 3,029 725 184 8
54210194 54213660 54213693 550A2320 550A2330 550A2420	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 15" PRECAST REINFORCED CONCRETE FLARED END SECTIONS 48" STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 1 12" STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 1 15" STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 1, 48"	EACH EACH FOOT FOOT	1 9 1 3,029 725
54210194 54213660 54213693 550A2320 550A2330 550A2420 55100500 55101900	PIPE ELBOW, 42" PRECAST REINFORCED CONCRETE FLARED END SECTIONS 15" PRECAST REINFORCED CONCRETE FLARED END SECTIONS 48" STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 1 12" STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 1 15" STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 1, 48" STORM SEWER REMOVAL 12" STORM SEWER REMOVAL 12"	EACH EACH FOOT FOOT FOOT FOOT	1 9 1 3,029 725 184 8
54210194 54213660 54213693 550A2320 550A2330 550A2420 55100500	PIPE ELBOW, 42" PRECAST REINFORCED CONCRETE FLARED END SECTIONS 15" PRECAST REINFORCED CONCRETE FLARED END SECTIONS 48" STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 1 12" STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 1 15" STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 1, 48" STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 1, 48"	EACH EACH FOOT FOOT FOOT	1 9 1 3,029 725 184 8
54210194 54213660 54213693 550A2320 550A2330 550A2420 55100500 55101900 58100200	PIPE ELBOW, 42" PRECAST REINFORCED CONCRETE FLARED END SECTIONS 15" PRECAST REINFORCED CONCRETE FLARED END SECTIONS 48" STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 1 12" STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 1 15" STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 1, 48" STORM SEWER REMOVAL 12" STORM SEWER REMOVAL 14" WATERPROOFING MEMBRANE SYSTEM	EACH EACH FOOT FOOT FOOT SQYD	1 9 1 3,029 725 184 8 58
54210194 54213660 54213693 550A2320 550A2330 550A2420 55100500 55101900 58100200	PIPE ELBOW, 42" PRECAST REINFORCED CONCRETE FLARED END SECTIONS 15" PRECAST REINFORCED CONCRETE FLARED END SECTIONS 48" STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 1 12" STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 1 15" STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 1, 48" STORM SEWER REMOVAL 12" STORM SEWER REMOVAL 12"	EACH EACH FOOT FOOT FOOT FOOT	1 9 1 3,029 725 184 8
54210194 54213660 54213693 550A2320 550A2330 550A2420 55100500 55101900 58100200	PIPE ELBOW, 42" PRECAST REINFORCED CONCRETE FLARED END SECTIONS 15" PRECAST REINFORCED CONCRETE FLARED END SECTIONS 48" STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 1 12" STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 1 15" STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 1, 48" STORM SEWER REMOVAL 12" STORM SEWER REMOVAL 12" WATERPROOFING MEMBRANE SYSTEM CONTROLLED LOW-STRENGTH MATERIAL	EACH EACH FOOT FOOT FOOT SQYD CUYD	1 9 1 3,029 725 184 8 58 2,800
54210194 54213660 54213693 550A2320 550A2330 550A2420 55100500 55101900 58100200	PIPE ELBOW, 42" PRECAST REINFORCED CONCRETE FLARED END SECTIONS 15" PRECAST REINFORCED CONCRETE FLARED END SECTIONS 48" STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 1 12" STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 1 15" STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 1, 48" STORM SEWER REMOVAL 12" STORM SEWER REMOVAL 14" WATERPROOFING MEMBRANE SYSTEM	EACH EACH FOOT FOOT FOOT SQYD	1 9 1 3,029 725 184 8 58
54210194 54213660 54213693 550A2320 550A2330 550A2420 55100500 58100200 59300100 60108204	PIPE ELBOW, 42" PRECAST REINFORCED CONCRETE FLARED END SECTIONS 15" PRECAST REINFORCED CONCRETE FLARED END SECTIONS 48" STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 1 12" STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 1 15" STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 1, 48" STORM SEWER REMOVAL 12" STORM SEWER REMOVAL 14" WATERPROOFING MEMBRANE SYSTEM CONTROLLED LOW-STRENGTH MATERIAL PIPE UNDERDRAINS, TYPE 2, 4"	EACH EACH FOOT FOOT FOOT CU YD FOOT	1 9 1 3,029 725 184 8 58 2,800
54210194 54213660 54213693 550A2320 550A2330 550A2420 55100500 58100200 59300100	PIPE ELBOW, 42" PRECAST REINFORCED CONCRETE FLARED END SECTIONS 15" PRECAST REINFORCED CONCRETE FLARED END SECTIONS 48" STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 1 12" STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 1 15" STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 1, 48" STORM SEWER REMOVAL 12" STORM SEWER REMOVAL 12" WATERPROOFING MEMBRANE SYSTEM CONTROLLED LOW-STRENGTH MATERIAL	EACH EACH FOOT FOOT FOOT SQYD CUYD	1 9 1 3,029 725 184 8 58 2,800
54210194 54213660 54213660 550A2320 550A2320 550A2320 550A2420 55100500 55101900 58100200 59300100 60108204 60200205	PIPE ELBOW, 42" PRECAST REINFORCED CONCRETE FLARED END SECTIONS 15" PRECAST REINFORCED CONCRETE FLARED END SECTIONS 48" STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 1 12" STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 1 15" STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 1, 48" STORM SEWER REMOVAL 12" STORM SEWER REMOVAL 14" WATERPROOFING MEMBRANE SYSTEM CONTROLLED LOW-STRENGTH MATERIAL PIPE UNDERDRAINS, TYPE 2, 4" CATCH BASINS, TYPE A, 4"-DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH EACH FOOT FOOT FOOT CU YD FOOT EACH	1 9 1 3,029 725 184 8 58 2,800 60 400 9
54210194 54213660 54213693 550A2320 550A2330 550A2420 55100500 55101900 58100200 59300100 60108204	PIPE ELBOW, 42" PRECAST REINFORCED CONCRETE FLARED END SECTIONS 15" PRECAST REINFORCED CONCRETE FLARED END SECTIONS 48" STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 1 12" STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 1 15" STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 1, 48" STORM SEWER REMOVAL 12" STORM SEWER REMOVAL 14" WATERPROOFING MEMBRANE SYSTEM CONTROLLED LOW-STRENGTH MATERIAL PIPE UNDERDRAINS, TYPE 2, 4"	EACH EACH FOOT FOOT FOOT CU YD FOOT	1 9 1 3,029 725 184 8 58 2,800
54210194 54213660 54213693 550A2320 550A2330 550A2420 55101900 58100200 59300100 60108204 60200205	PIPE ELBOW, 42" PRECAST REINFORCED CONCRETE FLARED END SECTIONS 15" PRECAST REINFORCED CONCRETE FLARED END SECTIONS 48" STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 1 12" STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 1 15" STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 1, 48" STORM SEWER REMOVAL 12" STORM SEWER REMOVAL 14" WATERPROOFING MEMBRANE SYSTEM CONTROLLED LOW-STRENGTH MATERIAL PIPE UNDERDRAINS, TYPE 2, 4" CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 1 FRAME, CLOSED LID CATCH BASIN, TYPE A, 4'-DIAMETER, TYPE 11, FRAME AND GRATE	EACH EACH EACH FOOT FOOT FOOT CU YD FOOT EACH EACH	1 1 9 1 1 3,029 725 184 8 58 2,800 60 400 9 1 1
54210194 54213660 54213660 54213693 550A2320 550A2330 550A2420 55100500 55101900 59300100 60108204 60200205	PIPE ELBOW, 42" PRECAST REINFORCED CONCRETE FLARED END SECTIONS 15" PRECAST REINFORCED CONCRETE FLARED END SECTIONS 48" STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 1 12" STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 1 15" STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 1, 48" STORM SEWER REMOVAL 12" STORM SEWER REMOVAL 12" WATERPROOFING MEMBRANE SYSTEM CONTROLLED LOW-STRENGTH MATERIAL PIPE UNDERDRAINS, TYPE 2, 4" CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 1 FRAME, CLOSED LID CATCH BASIN, TYPE A, 4'-DIAMETER, TYPE 11, FRAME AND GRATE CATCH BASIN, TYPE C, TYPE 1 FRAME, OPEN LID	EACH EACH FOOT FOOT FOOT CU YD FOOT EACH	1 9 1 3,029 725 184 8 58 2,800 60 400 9

PLAN SURVEYED ROTTED NOTE BOOK RIT, OF WAY OFFICE NO.

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION







DEPARTMENT OF TRANSPORTATION

G.R/L.V.

REVISED

REVISED

DRAWN

CHECKED

PLOT SCALE = 40.00 ft / in.

PLOT DATE = 2/20/2019

15-00059-00-PV WILL CONTRACT NO. 61F40

ILLINOIS FED. AID PROJECT

FED. ROAD DIST, NO.

DOWNSTREAM

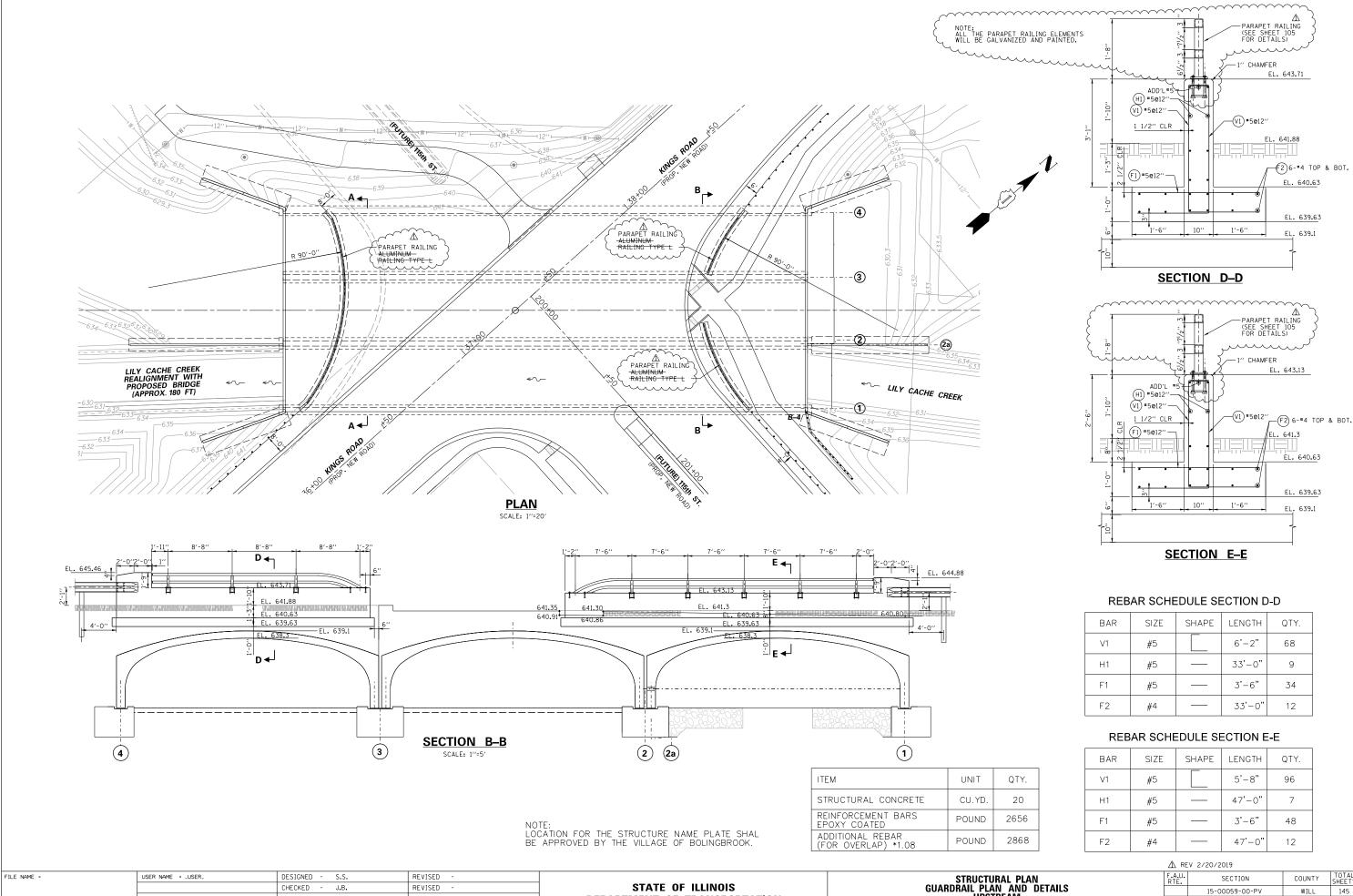
SHEETS STA.

TO STA.

SHEET NO.

SCALE:

145 90



DEPARTMENT OF TRANSPORTATION

G.R/L.V.

REVISED

REVISED

DRAWN

CHECKED

PLOT SCALE = 40.00 ft / in-

PLOT DATE = 2/20/2019

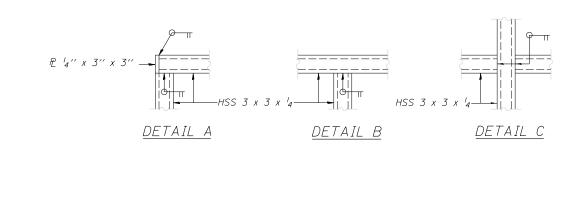
N SURVEYED
PLOTTED
RALIGNMENT CHECKED
RT. OF WAY CHECKED
CADD FILE NAME

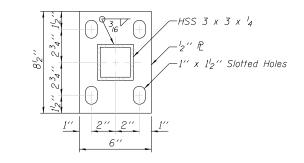
UPSTREAM

SHEETS

SHEET NO.

SCALE:





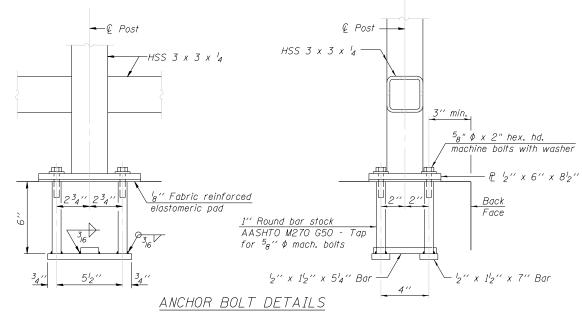
NOTE:

All steel rail elements shall be galvanized according to Article 509.05 of the Standard Specifications.

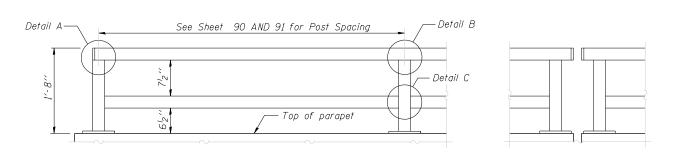
All post, railing, splices, anchor devices, and bent plates shall be painted using the (List the appropriate paint system for Structural Steel).

All the parapet railing elements will be galvanized and painted. The color of the railing shall be selected and approved by the Village of Bolingbrook.



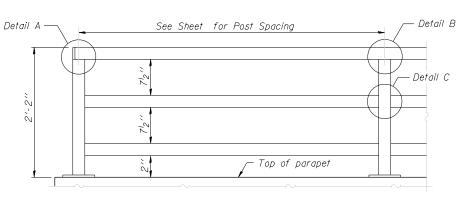


In lieu of the cast-in-place anchor device shown, the Contractor has the option of drilling and setting $^5g^{\prime\prime}$ ϕ anchor rods according to Article 509.06 of the Standard Specifications. Embedment shall be according to the manufacturer's specifications.

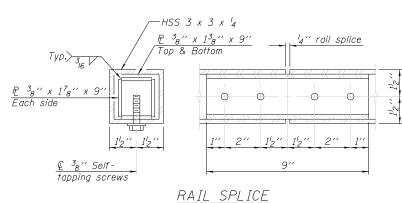


PARAPET RAILING ELEVATION (Inside Face of Two Element Rail)

PARAPET RAILING ELEVATION AT EXPANSION JOINT (Two Element Rail Shown - Three Element Rail Similar)



PARAPET RAILING ELEVATION (Inside Face of Three Element Rail)



THE SHEET 105, ALUMINUM RAILING TYPE L WAS REPLACED ENTIRELY WITH THIS SHEET PARAPET RAILING

BILL OF MATERIAL

Item	Unit	Quantity
Bicycle Railing	Foot	
Bicycle Railing Parapet Railing	Foot	

ILLINOIS FED. AID PROJECT

R-29 (10'-0" Maximum Post Spacing) 1-27-12 FILE NAME =

PLAN SURVETED
NOTE BOOK ALLOWENT CHECKED
NO. CADD FILE NAME

USER NAME = _USER_ DESIGNED -S.S. REVISED CHECKED -J.B. REVISED DRAWN - G.R/L.V. PLOT SCALE = 2.00 ft / in. REVISED PLOT DATE = 2/20/2019 CHECKED REVISED

STATE OF ILLINOIS **DEPARTMENT OF TRANSPORTATION** **PARAPET RAILING**

⚠ REV 2/20/2019

TO STA.

SECTION 15-00059-00-PV WILL 145 105 CONTRACT NO. 61F40 FED. ROAD DIST. NO.

STRUCTURE NO. SCALE: SHEET NO. SHEETS STA.