

005

09-21-2018 LETTING ITEM 005

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2843	2014-083B	COOK	30	1
ILLINOIS CONTRACT NO. 62A28				

PROPOSED HIGHWAY PLANS

FAU ROUTE 2843 (DIXIE HWY)
AT DITCH (0.17MI NORTH OF GOVERNORS HWY)
SECTION 2014-083B
FEDERAL PROJECT NHPP-M1YX(015)
CULVERT REPLACEMENT
COOK COUNTY
C-91-126-15

FOR INDEX OF SHEETS, SEE SHEET NO. 2

FOR LIST OF HIGHWAY STANDARDS, SEE SHEET NO. 2

IMPROVEMENT IS LOCATED IN THE
VILLAGE OF EAST HAZEL CREST &
VILLAGE OF HAZEL CREST

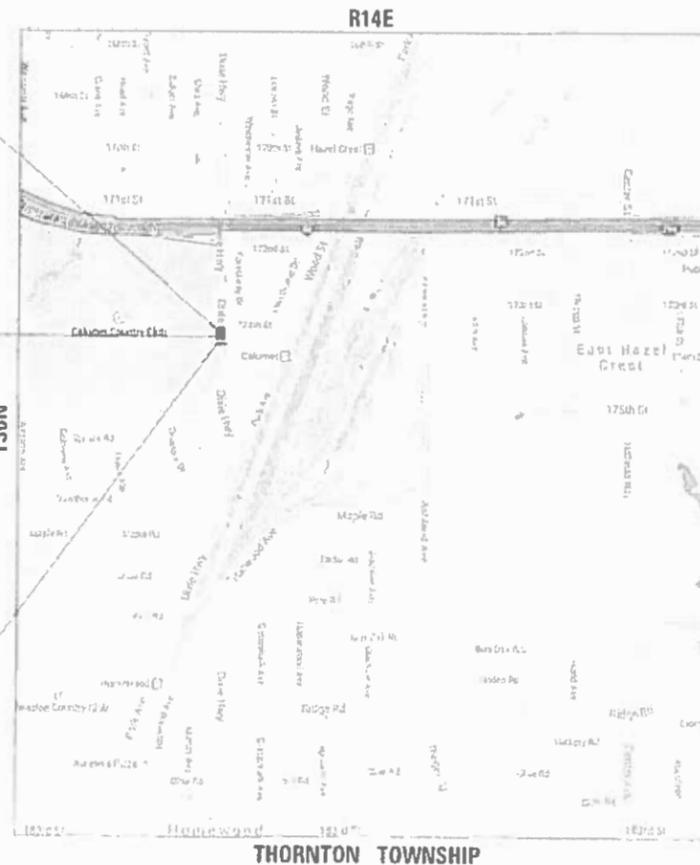
TRAFFIC DATA

FUNCTIONAL CLASSIFICATION: URBAN MINOR ARTERIAL
2014 ADT = 10450
P.V.=93.0% S.U.=3.5% M.U.=3.5%
POSTED SPEED = 35 MPH
DESIGN SPEED = 35 MPH

IMPROVEMENT LIMIT
STA 11+00

CULVERT REPLACEMENT
STA 14+62.28
EXIST. SN 016-2211
PROP. SN 016-2292

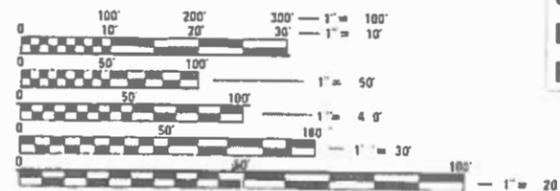
IMPROVEMENT LIMIT
STA 16+00



LOCATION MAP
NOT TO SCALE



EFK Moen, LLC
Civil Engineering Design
125 South Wacker Dr. Suite 2090
Chicago, IL 60606
Phone 312-396-4655



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

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

PROJECT ENGINEER: JEAN ALIX BRICE (847)705-4552
PROJECT MANAGER: MATTHEW ROTHENBERG, PE (847)705-4230

CONTRACT NO. 62A28

GROSS LENGTH = 500.00 FT. = 0.095 MILE
NET LENGTH = 500.00 FT. = 0.095 MILE



Signed: *[Signature]*
Date: 5/22/18
License Expires: 11/30/2019
The seal above is valid for
Sheets 1 of 3



Signed: *[Signature]*
Date: 5/22/2018
License Expires: 08/31/2020
The seal above is valid for
Sheets 2 of 3

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

SUBMITTED: May 25, 2018
[Signature] REGIONAL ENGINEER
Aug 17, 2018
[Signature] ENGINEER OF DESIGN AND SUPERVISION
Aug 17, 2018
[Signature] DIRECTOR OF HIGHWAYS PROJECT IMPLEMENTATION 3

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OF THE STATE OF ILLINOIS

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LIST OF IDOT HIGHWAY STANDARDS

- 280001-07 TEMPORARY EROSION CONTROL SYSTEMS
- 420001-09 PAVEMENT JOINTS
- 483001-05 PCC SHOULDER
- 515001-03 NAME PLATE FOR BRIDGES
- 606001-07 CONCRETE CURB TYPE B AND COMBINATION CONCRETE CURB AND GUTTER
- 630001-12 STEEL PLATE BEAM GUARDRAIL
- 630106-02 LONG-SPAN GUARDRAIL OVER CULVERT
- 630301-08 SHOULDER WIDENING FOR TYPE 1 (SPECIAL) GUARDRAIL TERMINALS
- 631011-10 TRAFFIC BARRIER TERMINAL, TYPE 2
- 635001-02 DELINEATORS
- 664001-02 CHAIN LINK FENCE
- 701101-05 MULTILANE, 15' (4.5M) TO 24" (600mm) FROM PAVEMENT EDGE MUL
- 701106-02 TILANE, MORE THAN 15' (4.5M) AWAY
- 701901-07 TRAFFIC CONTROL DEVICES
- 725001-01 OBJECT AND TERMINAL MARKERS
- 782006 GUARDRAIL AND BARRIER WALL REFLECTOR MOUNTING DETAILS

GENERAL NOTES

1. BEFORE STARTING ANY EXCAVATION, THE CONTRACTOR SHALL CALL "J.U.L.I.E." AT (800) 892-0123 OR 811 FOR FIELD LOCATIONS OF BURIED ELECTRIC, TELEPHONE, AND GAS UTILITIES. 48 HOUR NOTIFICATION IS REQUIRED.
2. NOTIFY THE VILLAGES AT LEAST 48 HOURS IN ADVANCE OF CONSTRUCTION.
3. THE CONTRACTOR WILL NOT BE ALLOWED TO SET UP A YARD OR FIELD OFFICE ON STATE PROPERTY WITHOUT WRITTEN PERMISSION FROM THE DEPARTMENT.
4. BEFORE BEGINNING ANY WORK, THE CONTRACTOR SHALL RETAIN AND RECORD, FOR FUTURE REFERENCE, ALL EXISTING PAVEMENT MARKING LINES (AND RAISED REFLECTIVE PAVEMENT MARKERS) IN ORDER THAT THESE LOCATIONS CAN BE RE-ESTABLISHED FOR STRIPING. EXACT LOCATIONS OF ALL PAVEMENT MARKINGS SHALL BE AS DIRECTED BY THE ENGINEER.
5. IT IS THE CONTRACTOR'S RESPONSIBILITY TO VERIFY ALL DIMENSIONS AND CONDITIONS EXISTING IN THE FIELD PRIOR TO CONSTRUCTION AND ORDERING OF MATERIALS.
6. THE CONTRACTOR SHALL CONTACT THE DISTRICT ONE TRAFFIC CONTROL SUPERVISOR AT (847) 705-4470 A MINIMUM OF 72 HOURS IN ADVANCE OF BEGINNING WORK.
7. THE RESIDENT ENGINEER SHALL CONTACT PATRICE HARRIS, AREA TRAFFIC FIELD TECHNICIAN, AT PATRICE.HARRIS@ILLINOIS.GOV A MINIMUM OF TWO (2) WEEKS PRIOR TO THE PLACEMENT OF PERMANENT PAVEMENT MARKINGS.
8. THESE PLANS HAVE BEEN PREPARED FROM NOTES RECEIVED FROM THE BUREAU OF MAINTENANCE.
9. THE CONTRACTOR IS REQUIRED TO PROVIDE ACCESS TO ABUTTING PROPERTY AT ALL TIMES DURING THE CONSTRUCTION OF THIS PROJECT.
10. DO NOT SCALE PLANS FOR CONSTRUCTION DIMENSIONS.
11. THIS PROJECT REQUIRES A U.S. ARMY CORPS OF ENGINEERS (USACE) 404 PERMIT THAT WILL BE SECURED BY THE DEPARTMENT. ALL CONDITIONS OF THE 404 PERMIT, FOUND IN THE SPECIAL PROVISIONS, MUST BE FOLLOWED. THE COST OF ALL MATERIALS AND LABOR NECESSARY TO COMPLY WITH THE 404 PERMIT WILL NOT BE PAID FOR SEPARATELY BUT SHALL BE CONSIDERED AS INCLUDED IN THE UNIT BID PRICES OF THE CONTRACT AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED. EARTH EXCAVATION PAY ITEM INCLUDES PLACING AND COMPACTING EMBANKMENT AND LEGAL OFFSITE DISPOSAL OF EXCESS MATERIAL.
12. ALL DAMAGE TO EXISTING PAVEMENT MARKINGS OR RAISED REFLECTIVE PAVEMENT MARKERS OUTSIDE THE REMOVAL LINE SHOWN ON THE PLANS SHALL BE REPLACED AT NO ADDITIONAL COST TO THE DEPARTMENT.
13. ALL UTILITIES, SCHOOL DISTRICTS, LOCAL POLICE, AND FIRE DEPARTMENTS SHALL BE NOTIFIED BY THE CONTRACTOR PRIOR TO THE START OF CONSTRUCTION.
14. THE CONTRACTOR SHALL USE CARE IN GRADING OR EXCAVATING NEAR ANY AND ALL EXISTING ITEMS THAT WILL NOT BE REMOVED, ANY DAMAGE DONE TO THE EXISTING ITEMS BY THE CONTRACTOR SHALL BE REPAIRED OR REPLACED TO THE SATISFACTION OF THE ENGINEER AT THE CONTRACTOR'S OWN EXPENSE.
15. TREES NOT MARKED FOR REMOVAL SHALL BE CONSIDERED AS DESIGNATED TO BE SAVED AND SHALL BE PROTECTED UNDER THE PROVISIONS OF ARTICLE 201.05 OF THE STANDARD SPECIFICATIONS.

DRAINAGE AND UTILITIES GENERAL NOTES

1. THE CONTRACTOR SHALL MAINTAIN THE SURFACE DRAINAGE OF ALL ROADWAYS DURING CONSTRUCTION OF THIS PROJECT. WHEN EXISTING DRAINAGE FACILITIES ARE DISTURBED, THE CONTRACTOR SHALL PROVIDE AND MAINTAIN TEMPORARY OUTLETS AND CONNECTIONS FOR ALL PRIVATE OR PUBLIC DRAINS, SEWERS, INLETS, AND CATCH BASINS. THE CONTRACTOR SHALL PROVIDE FACILITIES TO TAKE IN ALL STORM WATER, WHICH WILL BE RECEIVED BY THESE DRAINS AND SEWERS AND DISCHARGE SAME. THE CONTRACTOR SHALL PROVIDE AND MAINTAIN A TEMPORARY OUTLET AND BE PREPARED AT ALL TIMES TO DISPOSE OF THE WATER RECEIVED FROM ALL THESE TEMPORARY CONNECTIONS UNTIL INSTALLATION IS COMPLETE, INCLUDING PAVEMENT. THIS WORK SHALL NOT BE PAID FOR DIRECTLY BUT SHALL BE CONSIDERED INCLUDED IN THE CONTRACT. COORDINATION WITH ALL AGENCIES INVOLVED IS REQUIRED.
2. THE LOCATION AND ELEVATION OF EXISTING UTILITIES ARE APPROXIMATE AND ARE PROVIDED BY THE OWNERS. THE EXACT LOCATIONS AND ELEVATIONS ARE TO BE VERIFIED BY THE CONTRACTOR THROUGH THE OWNERS OF THE UTILITIES.
3. THE COST OF MAKING STORM SEWER CONNECTIONS TO EXISTING SEWER SHALL BE INCLUDED IN THE CONTRACT UNIT PRICE FOR THE STORM SEWER BEING CONNECTED.

EROSION CONTROL AND LANDSCAPING GENERAL NOTES

1. ALL WASTE GENERATED AS A RESULT OF THE PROJECT INCLUDING DISCARDED BUILDING MATERIALS, CONCRETE TRUCK WASHOUT, CHEMICALS, LITTER, SANITARY WASTE, OR ANY OTHER WASTE SHALL BE PROPERLY DISPOSED OF AND BE PREVENTED FROM BEING CARRIED OFF THE SITE BY EITHER WIND OR WATER.
2. THE CONTRACTOR SHALL INSTALL PERIMETER EROSION BARRIER PRIOR TO STRIPPING OF VEGETATION.
3. RUNOFF FROM EXCAVATED AREAS SHALL LEAVE THE SITE THROUGH SEDIMENT CONTROL DEVICES SHOWN IN IDOT STD. 280001, AND/OR NRCS DETAILS FROM THE MOST RECENT VERSION OF THE ILLINOIS URBAN MANUAL.
4. THE CONTRACTOR SHALL SURROUND ANY NECESSARY EARTH STOCKPILES WITH PERIMETER EROSION BARRIER.
5. ALL EROSION CONTROL MEASURES SHOULD BE CHECKED WEEKLY AND AFTER EACH RAINFALL 0.5 INCHES OR GREATER. ADDITIONALLY DURING WINTER MONTHS, ALL MEASURES SHOULD BE CHECKED AFTER EACH SNOWMELT.
6. THE REVISED PERMIT REQUIRES THAT STABILIZATION OF DISTURBED AREAS MUST BE INITIATED WITHIN ONE (1) WORKING DAY OF THE TEMPORARY OR PERMANENT CESSATION OF EARTH DISTURBING ACTIVITIES AND SHALL BE COMPLETED AS SOON AS POSSIBLE BUT NO LATER THAN 14 DAYS FROM THE INITIATION OF STABILIZATION OF WORK IN AN AREA.
7. ALL EXPOSED IDLE EARTH, INCLUDING EARTH STOCKPILES, WILL BE SEEDED WITH TEMPORARY EROSION CONTROL SEEDING. THE APPLICATION RATE FOR TEMPORARY EROSION CONTROL SEEDING IS 100 POUNDS PER ACRE FOR THREE APPLICATIONS.
8. ALL TEMPORARY EROSION AND SEDIMENT CONTROL MEASURES SHALL BE REMOVED WITHIN 30 DAYS OF ACHIEVING PERMANENT SOIL STABILIZATION. TRAPPED SEDIMENT AND OTHER DISTURBED SOILS RESULTING FROM TEMPORARY MEASURES SHALL BE PROPERLY DISPOSED OF AND THE AREA PERMANENTLY STABILIZED.

COMMITMENTS

NONE.

EARTHWORK

EARTHWORK SCHEDULE	
LOCATION	EARTH EXCAVATION (CU YD)
BARRIER WALL AND BASE ON EAST SIDE OF DIXIE HWY	80
CURB AND GUTTER REMOVAL AND REPLACEMENT	3
SUBGRADE IMPROVEMENT BEYOND CULVERT EXCAVATION LIMITS	7
TOTAL	90

FILE NAME = Y:\13015.04 IDOT D1 M04 Dixie\DDN\Design\Final\Plotsheets\162628-shr-gennozs.dgn

USER NAME = RG011	DESIGNED - RG	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	DIXIE HIGHWAY OVER DITCH		F.A.U. RTE. = 2843	SECTION = 2014-083B	COUNTY = COOK	TOTAL SHEETS = 30	SHEET NO. = 2	
PLOT SCALE = 100.0000' / 1" =	DRAWN - KW	REVISED -		INDEX OF SHEETS, LIST OF HIGHWAY STANDARDS, AND GENERAL NOTES		CONTRACT NO. 62A28					
PLOT DATE = 6/26/2018	CHECKED - JH	REVISED -		SCALE: SHEET OF SHEETS STA. TO STA.		ILLINOIS FED. AID PROJECT					
	DATE - 04/27/2018	REVISED -									

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	80% FED 20% STATE	
				CONSTR. CODE	CONSTR. CODE
				ROADWAY 0004 URBAN	BOX CULVERT 0004 S. N. 016-2292
20100110	TREE REMOVAL (6 TO 15 UNITS DIAMETER)	UNIT	42	42	
20100210	TREE REMOVAL (OVER 15 UNITS DIAMETER)	UNIT	22	22	
20101000	TEMPORARY FENCE	FOOT	4	4	
20101350	TREE PRUNING (OVER 10 INCH DIAMETER)	EACH	1	1	
20200100	EARTH EXCAVATION	CU YD	89	89	
20201200	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL	CU YD	119	56	63
20700220	POROUS GRANULAR EMBANKMENT	CU YD	333		333
20800150	TRENCH BACKFILL	CU YD	15	15	
** 21101625	TOPSOIL FURNISH AND PLACE, 6"	SQ YD	332	332	
** 25000210	SEEDING, CLASS 2A	ACRE	0.03	0.03	
** 25000400	NITROGEN FERTILIZER NUTRIENT	POUND	7	7	
** 25000500	PHOSPHORUS FERTILIZER NUTRIENT	POUND	7	7	
** 25000600	POTASSIUM FERTILIZER NUTRIENT	POUND	7	7	
** 25200200	SUPPLEMENTAL WATERING	UNIT	10	10	

* SPECIAL PROVISION REQUIRED
** DENOTES SPECIALTY ITEM

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	DRAWN - KW	REVISED -
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PLOT DATE = 6/26/2018	DATE - 04/27/2018	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DIXIE HIGHWAY OVER DITCH
SUMMARY OF QUANTITIES

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2843	2014-083B	COOK	30	3
ILLINOIS FED. AID PROJECT			CONTRACT NO. 62A28	

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	80% FED 20% STATE	
				CONSTR. CODE	CONSTR. CODE
				ROADWAY 0004 URBAN	BOX CULVERT 0004 S. N. 016-2292
28000250	TEMPORARY EROSION CONTROL SEEDING	POUND	21	21	
28000400	PERIMETER EROSION BARRIER	FOOT	558	558	
28200200	FILTER FABRIC	SQ YD	85		85
• 30300112	AGGREGATE SUBGRADE IMPROVEMENT 12"	SQ YD	292	292	
40600290	BITUMINOUS MATERIALS (TACK COAT)	POUND	61	61	
40603085	HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N70	TON	96	96	
40603340	HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70	TON	16	16	
42001300	PROTECTIVE COAT	SQ YD	444	424	20
44000100	PAVEMENT REMOVAL	SQ YD	183	183	
44213200	SAW CUTS	FOOT	394	394	
48101600	AGGREGATE SHOULDERS, TYPE B 8"	SQ YD	90	90	
50100100	REMOVAL OF EXISTING STRUCTURES	EACH	1		1
50800105	REINFORCEMENT BARS	POUND	11120		11120
51500100	NAME PLATES	EACH	1		1

• SPECIAL PROVISION REQUIRED
 ** DENOTES SPECIALTY ITEM

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PLLOT DATE = 6/26/2018	DATE - 04/27/2018	REVISED -		SCALE: SHEET OF SHEETS STA. TO STA.		CONTRACT NO. 62A28				
Default				ILLINOIS FED. AID PROJECT						

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	80% FED 20% STATE	
				CONSTR. CODE	CONSTR. CODE
				ROADWAY 0004 URBAN	BOX CULVERT 0004 S. N. 016-2292
54003000	CONCRETE BOX CULVERTS	CU YD	55.6		55.6
550A0120	STORM SEWERS, CLASS A, TYPE 1 24"	FOOT	40	40	
55101200	STORM SEWER REMOVAL 24"	FOOT	50	50	
•• 63100045	TRAFFIC BARRIER TERMINAL, TYPE 2	EACH	1	1	
•• 63100167	TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) TANGENT	EACH	1	1	
63200310	GUARDRAIL REMOVAL	FOOT	354	354	
63700180	CONCRETE BARRIER, SINGLE FACE, 44 INCH HEIGHT	FOOT	278	278	
63700900	CONCRETE BARRIER BASE	FOOT	337	337	
64300260	IMPACT ATTENUATORS (FULLY REDIRECTIVE, NARROW), TEST LEVEL 3	EACH	2	2	
66400305	CHAIN LINK FENCE, 6'	FOOT	38	38	
•• 66900200	NON-SPECIAL WASTE DISPOSAL	CU YD	110	110	
•• 66900450	SPECIAL WASTE PLANS AND REPORTS	L SUM	1	1	
•• 66900530	SOIL DISPOSAL ANALYSIS	EACH	1	1	
67000400	ENGINEER'S FIELD OFFICE, TYPE A	CAL MO	6	6	

• SPECIAL PROVISION REQUIRED
•• DENOTES SPECIALTY ITEM

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PLOT SCALE = 100.0000' / in.	DRAWN - KW	REVISED -				2843	2014-083B	COOK	30	5
PLOT DATE = 6/26/2018	CHECKED - JH	REVISED -				CONTRACT NO. 62A28				
DATE - 04/27/2018	DATE -	REVISED -				ILLINOIS FED. AID PROJECT				
Default			SCALE:	SHEET OF SHEETS	STA. TO STA.					

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	80% FED 20% STATE	
				CONSTR. CODE	CONSTR. CODE
				ROADWAY 0004 URBAN	BOX CULVERT 0004 S. N. 016-2292
67100100	MOBILIZATION	L SUM	1	1	
•• 72501000	TERMINAL MARKER - DIRECT APPLIED	EACH	2	2	
•• 78000200	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	FOOT	431	431	
•• 78100100	RAISED REFLECTIVE PAVEMENT MARKER	EACH	6	6	
•• 78200005	GUARDRAIL REFLECTORS, TYPE A	EACH	4	4	
•• 78200011	BARRIER WALL REFLECTORS, TYPE C	EACH	4	4	
78300200	RAISED REFLECTIVE PAVEMENT MARKER REMOVAL	EACH	6	6	
•• A2002916	TREE, CELTIS OCCIDENTALIS (COMMON HACKBERRY), 2" CALIPER, BALLED AND BURLAPPED	EACH	4	4	
•• K0013000	PERENNIAL PLANTS, PRAIRIE TYPE, 2" DIAMETER BY 4" DEEP PLUG	UNIT	9	9	
•: K0029614	WEED CONTROL, AQUATIC	GALLON	5	5	
•: X2510635	HEAVY DUTY EROSION CONTROL BLANKET, SPECIAL	SQ YD	332	332	
•: X2502014	SEEDING, CLASS 4A (MODIFIED)	ACRE	0.02	0.02	
•: X2502024	SEEDING, CLASS 4B (MODIFIED)	ACRE	0.02	0.02	
•: X2503315	INTERSEEDING, CLASS 4A (MODIFIED)	ACRE	0.05	0.05	

• SPECIAL PROVISION REQUIRED
•• DENOTES SPECIALTY ITEM

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PLOT DATE = 6/26/2018	DATE - 04/27/2018	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

DIXIE HIGHWAY OVER DITCH SUMMARY OF QUANTITIES			
SCALE:	SHEET	OF	SHEETS
	STA.		TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2843	2014-083B	COOK	30	6
				CONTRACT NO. 62A28
ILLINOIS FED. AID PROJECT				

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	80% FED 20% STATE	
				CONSTR. CODE	CONSTR. CODE
				ROADWAY 0004 URBAN	BOX CULVERT 0004 S. N. 016-2292
• X2503318	INTERSEEDING, CLASS 4B (MODIFIED)	ACRE	0.05	0.05	
• X0327980	PAVEMENT MARKING REMOVAL - WATER BLASTING	SQ FT	102	102	
• X0900064	MEMBRANE WATERPROOFING SYSTEM FOR BURIED STRUCTURES	SQ YD	91		91
• X4810200	AGGREGATE SHOULDER REMOVAL	CU YD	14	14	
*** X5538200	STORM SEWERS TO BE CLEANED 24"	FOOT	432	432	
• X6640300	CHAIN LINK FENCE REMOVAL	FOOT	36	36	
• X7010216	TRAFFIC CONTROL AND PROTECTION, (SPECIAL)	L SUM	1	1	
• Z0004562	COMBINATION CURB AND GUTTER REMOVAL AND REPLACEMENT	FOOT	40	40	
• Z0013798	CONSTRUCTION LAYOUT	L SUM	1	1	
*** Z0018500	DRAINAGE STRUCTURES TO BE CLEANED	EACH	1	1	
• Z0030850	TEMPORARY INFORMATION SIGNING	SQ FT	44	44	
• Z0073510	TEMPORARY TRAFFIC SIGNAL TIMING	EACH	5	5	
• X2300018	LONG SPAN GUARDRAIL OVER CULVERT (SPECIAL), 12 FOOT 6 IN SPAN	FOOT	37.5	37.5	

• SPECIAL PROVISION REQUIRED
 •• DENOTES SPECIALTY ITEM
 *** 100% STATE

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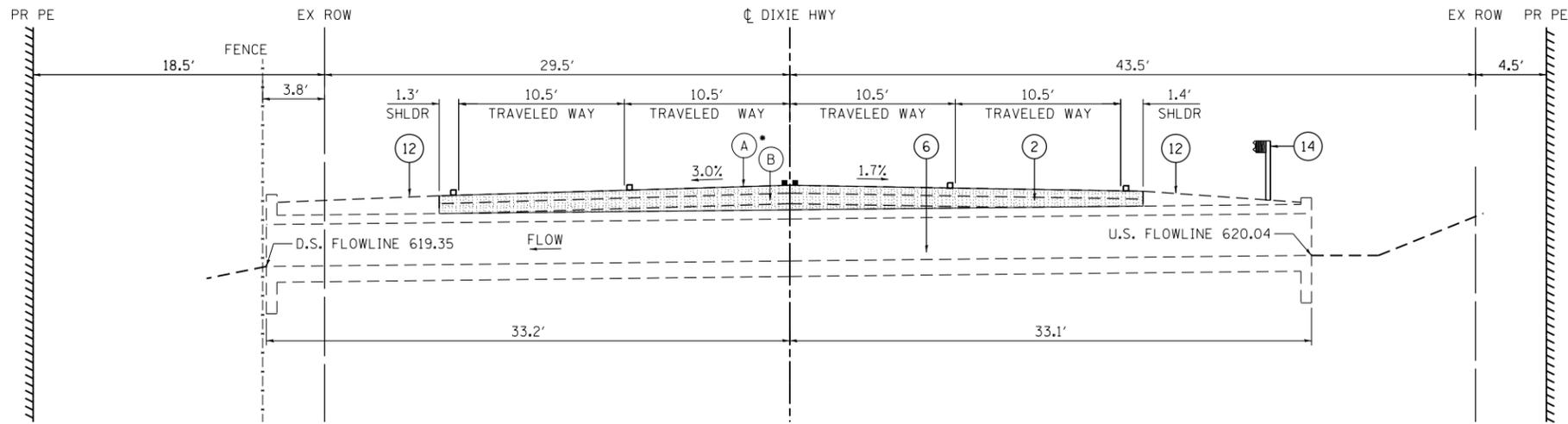
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DATE - 04/27/2018	REVISIONS -	

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

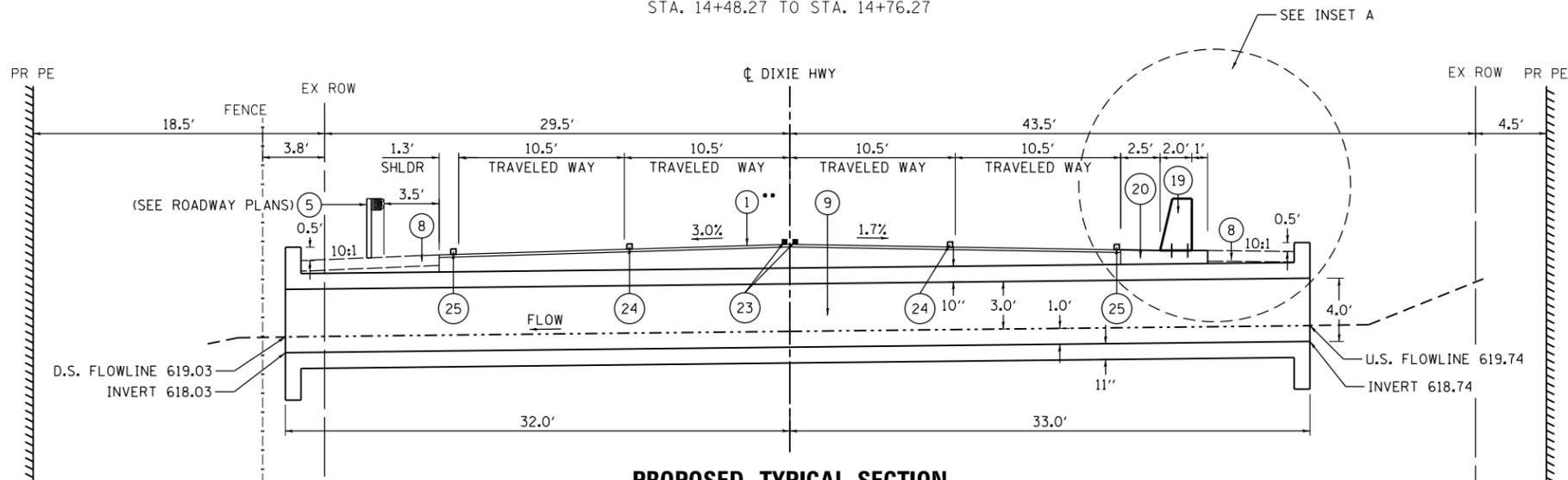
**DIXIE HIGHWAY OVER DITCH
SUMMARY OF QUANTITIES**

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2843	2014-083B	COOK	30	7
CONTRACT NO. 62A28				

SCALE: SHEET OF SHEETS STA. TO STA.



EXISTING TYPICAL SECTION
(AT CULVERT LOOKING NORTH)
STA. 14+48.27 TO STA. 14+76.27



PROPOSED TYPICAL SECTION
(AT CULVERT LOOKING NORTH)
STA. 14+48.27 TO STA. 14+76.27

- SEE SOIL BORING LOGS FOR EXISTING PAVEMENT THICKNESS.
- DEPTH OF HMA BINDER COURSE PLACED OVER CULVERT VARIES FROM 18" MAX. AT CENTER OF CULVERT TO 10" MIN. AT EDGE OF PAVEMENT. DEPTH OF HMA BINDER COURSE AT ALL OTHER LOCATIONS SHALL BE 12".
- AGGREGATE SUBGRADE IMPROVEMENT, 12" NOT PLACED OVER CULVERT. SEE CULVERT DETAILS.

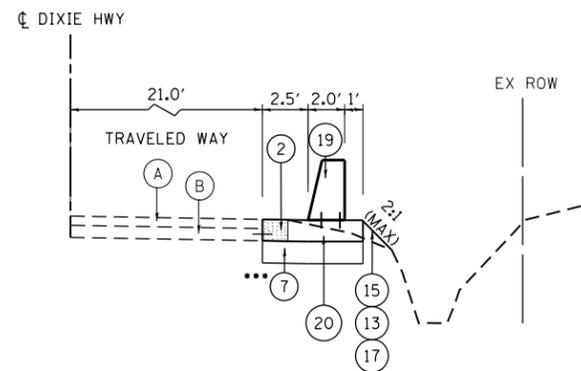
MIXTURES TABLE

MIXTURE TYPE	AIR VOIDS @ Ndes	QUALITY MANAGEMENT PROGRAM (QMP)
PROPOSED PAVEMENT		
HOT-MIX-ASPHALT SURFACE COURSE, MIX D", N70; 2" (IL-9.5 MM)	4% @ 70 Gyr.	QC/QA
•• HOT-MIX-ASPHALT BINDER COURSE, IL-19.0, VARIES (10" MIN., 18" MAX)	4% @ 70 Gyr.	QC/QA
QMP DESIGNATION: QUALITY CONTROL/QUALITY ASSURANCE (QC/QA)		

1. THE UNIT WEIGHT USED TO CALCULATE ALL HMA SURFACE MIXTURE QUANTITIES IS 112 LBS/SOYD/IN.
2. FOR NON-POLYMERIZED HMA THE "AC TYPE" SHALL BE "PG 64-22" UNLESS MODIFIED BY DISTRICT ONE SPECIAL PROVISIONS.
3. FOR USE OF RECYCLED MATERIALS SEE DISTRICT ONE SPECIAL PROVISIONS.
4. QUALITY MANAGEMENT PROGRAM (QMP) IDENTIFIES THE PARTICULAR QUALITY CONTROL SPECIFICATION THAT APPLIES TO THE HMA MIXTURE.

LEGEND

- (A) EXISTING HMA PAVEMENT, 6"
 - (B) EXISTING PCC BASE COURSE, 8"
 - (1) HMA SURFACE COURSE, MIX "D", N70
HMA BINDER COURSE, IL-19.0, N70
 - (2) PAVEMENT REMOVAL
 - (3) TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) TANGENT
 - (4) TRAFFIC BARRIER TERMINAL, TYPE 2
 - (5) LONG SPAN GUARDRAIL OVER CULVERT (SPECIAL), 12 FOOT
6 IN SPAN
 - (6) REMOVAL OF EXISTING STRUCTURES
 - (7) AGGREGATE SUBGRADE IMPROVEMENT, 12"
 - (8) AGGREGATE SHOULDERS, TYPE B 8"
 - (9) CONCRETE BOX CULVERTS
 - (10) POROUS GRANULAR EMBANKMENT
 - (11) IMPACT ATTENUATORS (FULLY REDIRECTIVE, NARROW),
TEST LEVEL 3
 - (12) AGGREGATE SHOULDER REMOVAL
 - (13) SEEDING, CLASS 4A (MODIFIED)
 - (14) GUARDRAIL REMOVAL
 - (15) HEAVY DUTY EROSION CONTROL BLANKET, SPECIAL
 - (16) PERIMETER EROSION BARRIER
 - (17) TOPSOIL FURNISH AND PLACE, 6"
 - (18) COMBINATION CURB AND GUTTER REMOVAL AND REPLACEMENT
 - (19) CONCRETE BARRIER, SINGLE FACE, 44 INCH HEIGHT
 - (20) CONCRETE BARRIER BASE
 - (21) CHAIN LINK FENCE REMOVAL
CHAIN LINK FENCE, 6'
 - (22) STORM SEWER REMOVAL 24"
 - (23) THERMOPLASTIC PAVEMENT MARKING - LINE 4" (SOLID DOUBLE YELLOW)
RAISED REFLECTIVE PAVEMENT MARKER (40' O.C. TWO-WAY AMBER)
 - (24) THERMOPLASTIC PAVEMENT MARKING - LINE 4" (30' SKIP - 10' DASH WHITE)
RAISED REFLECTIVE PAVEMENT MARKER (40' O.C. DOUBLE ONE-WAY CRYSTAL)
 - (25) THERMOPLASTIC PAVEMENT MARKING - LINE 4" (SOLID WHITE)
 - (26) STORM SEWERS, CLASS A, TYPE 1 24"
 - (27) STORM SEWERS TO BE CLEANED 24"
 - (28) DRAINAGE STRUCTURES TO BE CLEANED
- PAVEMENT REMOVAL



INSET A
(PROPOSED GRADING FOR BARRIER WALL)
STA 11+67.38 TO STA 14+56.47
STA 14+65.49 TO STA 15+04.28

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NOT TO SCALE

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DRAWN - KW	REVISED -	
PLOT SCALE = 100.0000' / 1"	CHECKED - JH	REVISED -
PLOT DATE = 6/26/2018	DATE - 04/27/2018	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**DIXIE HIGHWAY OVER DITCH
TYPICAL SECTIONS**

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2843	2014-083B	COOK	30	8
CONTRACT NO. 62A28				
ILLINOIS FED. AID PROJECT				

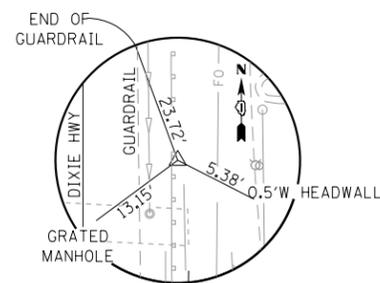
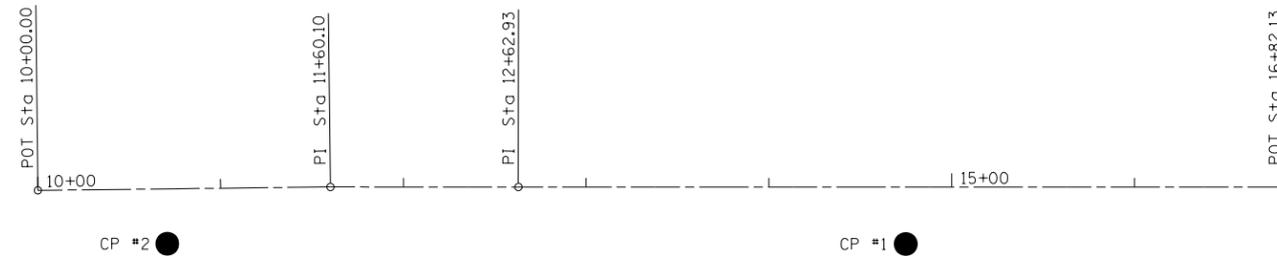
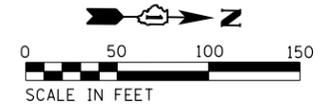
VERTICAL NOTE

VERTICAL CONTROL WAS ESTABLISHED USING THE ONLINE POSITIONING USER SERVICE (OPUS) AND OPERATED BY THE NATIONAL GEODETIC SURVEY (NGS). OBSERVATIONS WERE MADE USING AN EPOCH MODEL 50 ROVER (S/N 5224833036) AND A CELLULAR EQUIPPED SPECTRA PRECISION RANGER. VERTICAL CONTROL IS REPORTED ON NAVD-88 DATUM. FIELD WORK WAS PERFORMED DURING APRIL, 2015.

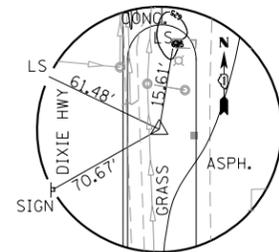
PROJECT BENCHMARK (NAVD-88 DATUM)

TBM (ELEVATION = 625.14)

LOCATED AT THE NORTHEAST CORNER OF DIXIE HIGHWAY AND 174TH STREET.
CUT SQUARE ON SOUTHWEST CORNER OF A 11.7' X 10.7' CONCRETE PAD FOR AT&T PULLBOXES AND MARKED "17311 DIXIE".



CONTROL POINT #1
IR W/CAP
DIXIE HWY STA 14+74.90, 31.06' RT
N: 1788252.1643
E: 1167014.3845
EL: 624.28



CONTROL POINT #2
IR W/CAP
DIXIE HWY STA 10+70.46, 29.95' RT
N: 1787848.1069
E: 1167018.8565
EL: 624.78

TIE POINTS

ALIGNMENT COORDINATES - DIXIE HWY			
POINT	STATION	NORTHING	EASTING
POB	10+00.00	1787776.98	1166990.54
PI	11+60.10	1787937.03	1166986.85
PI	12+62.93	1788039.86	1166985.71
POT	123+01.45	1788039.86	1166985.71

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Default

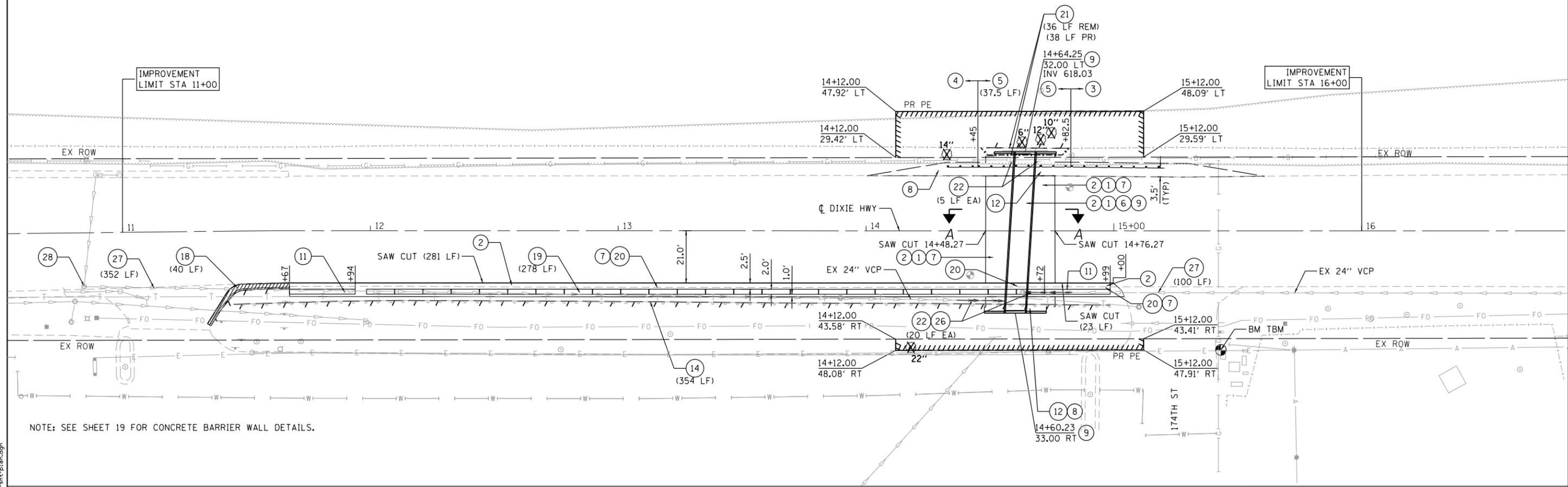
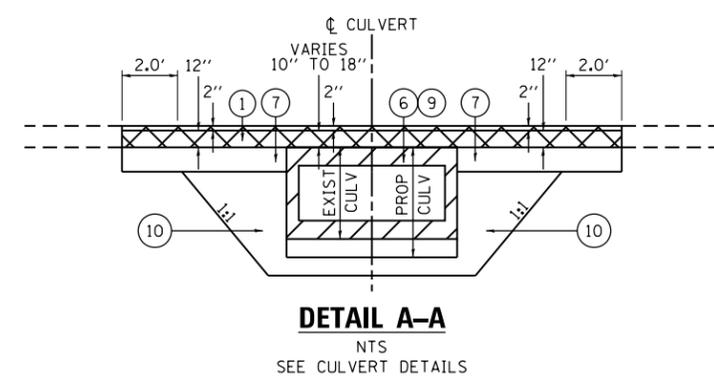
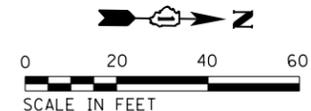
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PLOT DATE = 6/26/2018	DATE - 04/27/2018	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**DIXIE HIGHWAY OVER DITCH
ALIGNMENT AND TIES**

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2843	2014-083B	COOK	30	9
CONTRACT NO. 62A28				
ILLINOIS FED. AID PROJECT				



NOTE: SEE SHEET 19 FOR CONCRETE BARRIER WALL DETAILS.

LEGEND

- | | | | |
|---|---|---|-------------------------------------|
| ① HMA SURFACE COURSE, MIX "D", N70
HMA BINDER COURSE, IL-19.0, N70 | ⑨ CONCRETE BOX CULVERTS | ⑰ NOT USED | ⑳ NOT USED |
| ② PAVEMENT REMOVAL | ⑩ POROUS GRANULAR EMBANKMENT | ⑱ COMBINATION CURB AND GUTTER REMOVAL AND REPLACEMENT | ㉑ NOT USED |
| ③ TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) TANGENT | ⑪ IMPACT ATTENUATORS (FULLY REDIRECTIVE, NARROW),
TEST LEVEL 3 | ㉒ CONCRETE BARRIER, SINGLE FACE, 44 INCH HEIGHT | ㉒ STORM SEWERS, CLASS A, TYPE 1 24" |
| ④ TRAFFIC BARRIER TERMINAL, TYPE 2 | ⑫ AGGREGATE SHOULDER REMOVAL | ㉓ CONCRETE BARRIER BASE | ㉓ STORM SEWERS TO BE CLEANED 24" |
| ⑤ LONG SPAN GUARDRAIL OVER CULVERT (SPECIAL), 12 FOOT
6 IN SPAN | ⑬ NOT USED | ㉔ CHAIN LINK FENCE REMOVAL
CHAIN LINK FENCE, 6' | ㉔ DRAINAGE STRUCTURES TO BE CLEANED |
| ⑥ REMOVAL OF EXISTING STRUCTURES | ⑭ GUARDRAIL REMOVAL | ㉕ STORM SEWER REMOVAL 24" | ⊗ TREE REMOVAL |
| ⑦ AGGREGATE SUBGRADE IMPROVEMENT, 12" | ⑮ NOT USED | ㉖ NOT USED | ▨ DEPRESSED CURB & GUTTER |
| ⑧ AGGREGATE SHOULDERS, TYPE B 8" | ⑯ NOT USED | | |

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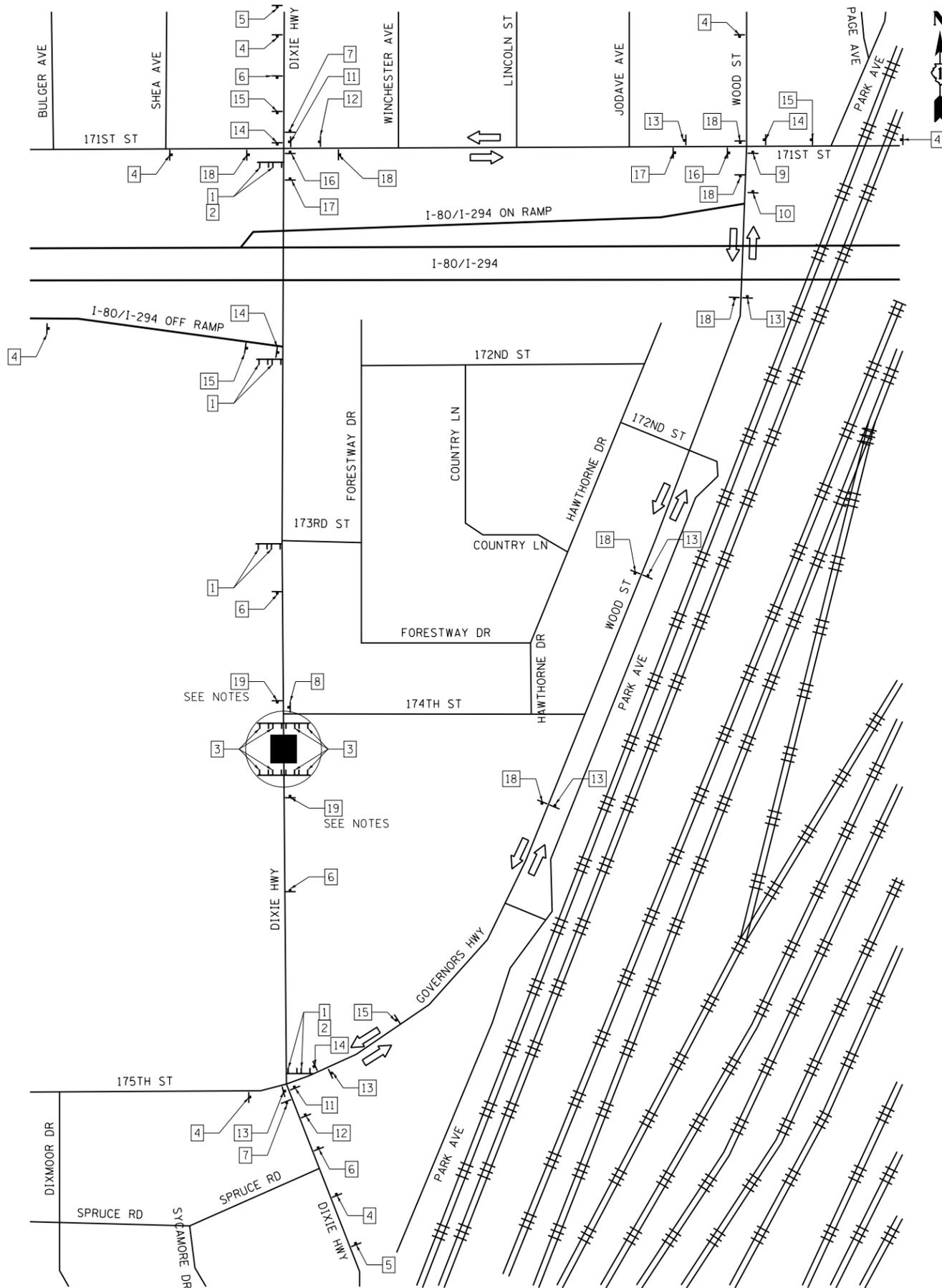
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PLOT DATE = 6/26/2018	DATE - 04/27/2018	REVISIONS -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**DIXIE HIGHWAY OVER DITCH
ROADWAY & DRAINAGE PLANS**

SCALE: 1" = 20' SHEET OF SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2843	2014-083B	COOK	30	10
CONTRACT NO. 62A28				
ILLINOIS FED. AID PROJECT				



NOTES

1. PLACE [19] AT OR NEAR POINT OF CLOSURE 2 WEEKS PRIOR TO START DATE OF CLOSURE. REMOVE ASSEMBLY AFTER CLOSURE.
2. FOR SIGN D3-1-2412 "DIXIE HWY" LETTERING SHALL BE A MINIMUM OF 5".

LEGEND

1		R11-4-6030 *	14		M3-3-2412 D3-1-2412 M4-9-3024
2		M4-10L-4818 * OR M4-10R-4818 *	15		M3-3-2412 D3-1-2412 M4-9-3024
3		R11-2-4830 *	16		M3-3-2412 D3-1-2412 M4-9-3024
4		W20-3-4848 (W AMBER BEACON) D3-1-2412	17		M3-3-2412 D3-1-2412 M4-9-3024
5		W20-2-4848 (W AMBER BEACON)	18		M3-3-2412 D3-1-2412 M4-9-3024
6		W20-3-4848	19		CUSTOM (PAID AS TEMPORARY INFORMATION SIGNING)
7		M4-8A-2418			
8		R3-2-2424			
9		M3-1-2412 D3-1-2412 M4-9-3024			
10		M3-1-2412 D3-1-2412 M4-9-3024			
11		M3-1-2412 D3-1-2412 M4-9-3024			
12		M3-1-2412 D3-1-2412 M4-9-3024			
13		M3-1-2412 D3-1-2412 M4-9-3024			

* MOUNT SIGN ON TYPE III BARRICADE WITH FLASHING LIGHTS.

NOT TO SCALE

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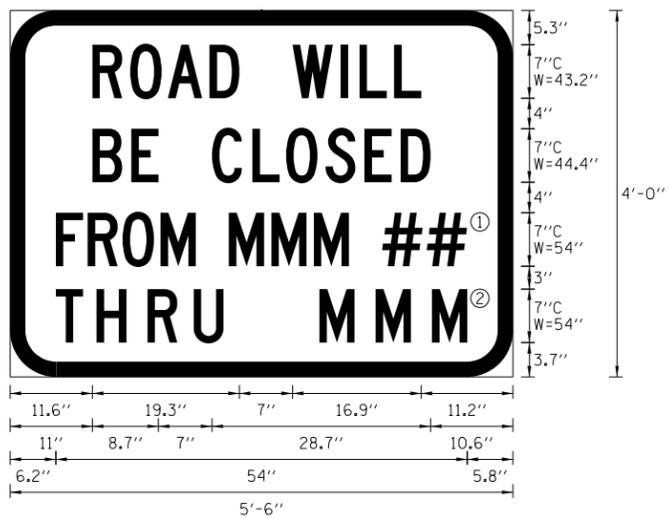
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PLOT DATE = 6/26/2018	DATE - 04/27/2018	REVISOR -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**DIXIE HIGHWAY OVER DITCH
DETOUR ROUTE**

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2843	2014-083B	COOK	30	11
CONTRACT NO. 62A28				
ILLINOIS FED. AID PROJECT				



6.0" RADIUS, 1.3" BORDER, BLACK ON ORANGE;
 "ROAD WILL" C 2K; "BE CLOSED" C 2K; RECTANGLE ORANGE; RECTANGLE ORANGE; "HIGHWAY C" FONT

- ① OVERLAY PANEL ① TO CONTAIN STARTING DATE OF FULL CLOSURE AND DETOUR IMPLEMENTATION (I.E. "FROM APR 2")
- ② OVERLAY PANEL ② TO CONTAIN ENDING MONTH OF FULL CLOSURE AND DETOUR (I.E. "THRU JULY"). OMIT THE DATE ON PANEL ② MONTH ONLY.

ERECT SIGN ASSEMBLY (POST-MOUNTED) WITH PANELS ① AND ② IN PLACE ON ROAD TO BE CLOSED IN EACH DIRECTION NEAR POINT OF CLOSURE OR WITHIN SECTION TO BE FULLY CLOSED TWO (2) WEEKS PRIOR TO START DATE OF FULL CLOSURE. REMOVE ASSEMBLY AFTER CLOSURE.

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	PLOT SCALE = 100.0000' / in.	CHECKED - JH	REVISED -		SCALE:	SHEET	OF	SHEETS	STA.	TO STA.	2843	2014-083B	COOK
	PLOT DATE = 6/26/2018	DATE - 04/27/2018	REVISED -						CONTRACT NO. 62A28				
					ILLINOIS FED. AID PROJECT								

PART OF THE SE 1/4 OF SECTION 30 OF TWP. 36 N., R. 14 E. OF THE 3RD. P.M., IN COOK COUNTY, ILLINOIS.
 PART OF THE SW 1/4 OF SECTION 30 OF TWP. 36 N., R. 14 E. OF THE 3RD. P.M., IN COOK COUNTY, ILLINOIS.

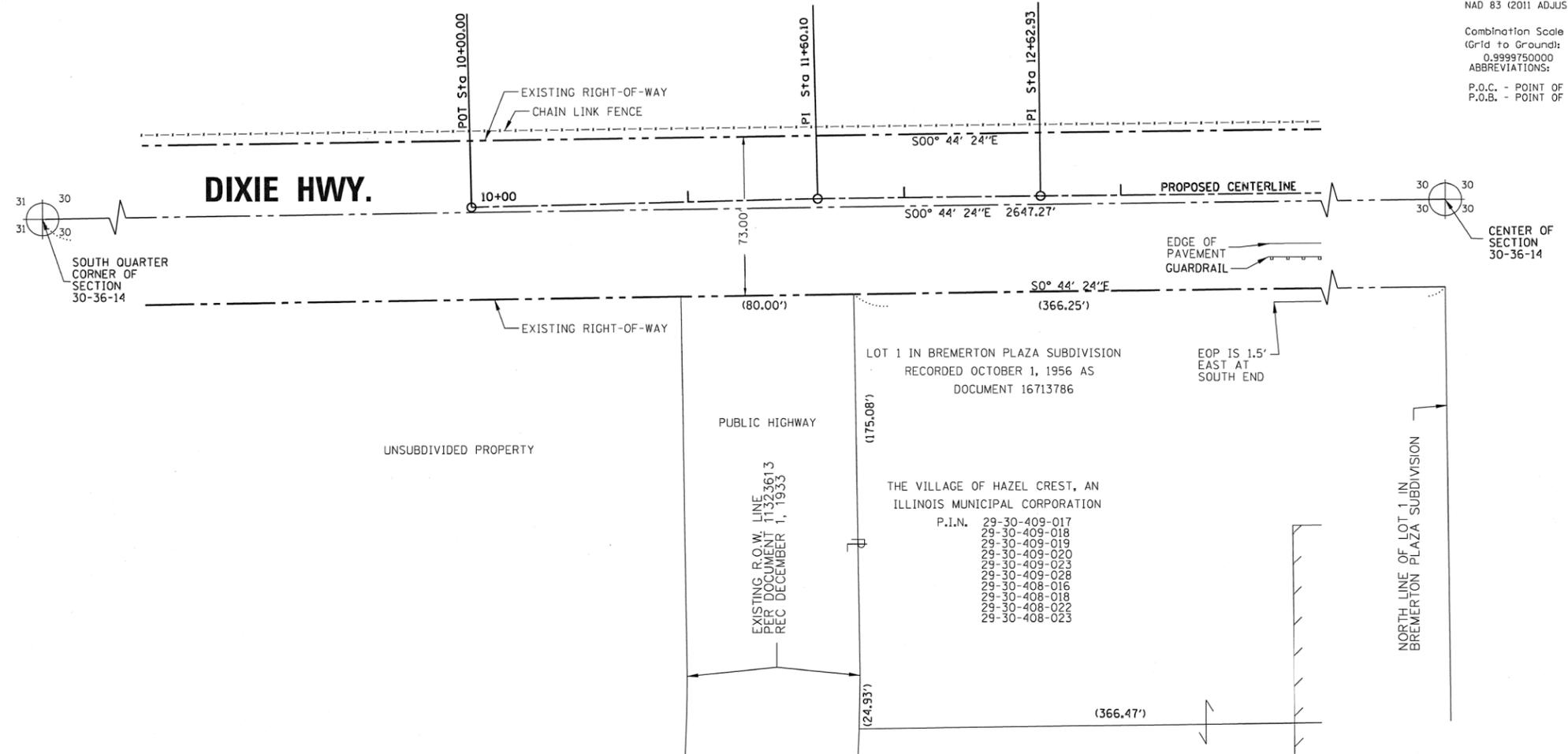
CALUMET COUNTRY CLUB, AN ILLINOIS CORPORATION
 P.I.N. 29-30-300-005
 29-30-300-103



Bearings and distance are referenced to the Illinois State Plane Coordinate System, East Zone, NAD 83 (2011 ADJUSTMENT)

Combination Scale Factor (Grid to Ground): 0.9999750000
 ABBREVIATIONS:

P.O.C. - POINT OF COMMENCEMENT
 P.O.B. - POINT OF BEGINNING



LEGEND

- SECTION / QUARTER SECTION CORNER
- PLATTED LOT LINES
- PROPERTY (DEED) LINE
- APPARENT PROPERTY LINE
- EXISTING CENTERLINE
- PROPOSED CENTERLINE
- EXISTING RIGHT OF WAY LINE
- PROPOSED RIGHT OF WAY LINE
- EXISTING EASEMENT
- PROPOSED EASEMENT
- EXISTING ACCESS CONTROL LINE
- PROPOSED ACCESS CONTROL LINE
- MEASURED DIMENSION
- COMPUTED DIMENSION
- RECORDED DIMENSION
- EXISTING BUILDING

SURVEY NOTES

- ALL DIMENSIONS ARE MEASURED UNLESS OTHERWISE SPECIFIED.
- BEARINGS AND DISTANCES SHOWN HEREON REFERENCE THE ILLINOIS STATE PLANE COORDINATE SYSTEM, EAST ZONE, NORTH AMERICAN DATUM 1983 (2011 ADJUSTMENT) "GRID".
- ALL MEASURED AND CALCULATED DISTANCES ARE "GRID" NOT "GROUND". TO OBTAIN GROUND DISTANCES DIVIDE GRID DISTANCES SHOWN BY THE COMBINED FACTOR OF 0.9999750000.
- AREAS SHOWN ON THIS PLAT ARE "GROUND".
- MARKER TO MONUMENT THE POSITION SHOWN, IDENTIFIED BY INSCRIPTION DATA AND SURVEYORS REGISTRATION NUMBER.
 - IRON PIPE OR ROD FOUND ⊗ "MAG" NAIL SET
 - + CUT CROSS FOUND OR SET ● 5 / 8" REBAR SET
 - STAKING OF PROPOSED RIGHT OF WAY. SET DIVISION OF HIGHWAYS SURVEY
- ⊙ PERMANENT SURVEY MARKER, I.D.O.T. STANDARD 2135 (TO BE SET BY OTHERS)
- RIGHT OF WAY STAKING PROPOSED TO BE SET

REVISION DATE: 04/28/17 REVISION MADE BY: G.C.

STATE OF ILLINOIS)
) SS
 COUNTY OF COOK)

THIS IS TO CERTIFY THAT I, GERARDO P. SANCHEZ, AN ILLINOIS PROFESSIONAL LAND SURVEYOR LICENSE NO. 035-003486, HAVE SURVEYED THE PLAT OF HIGHWAYS SHOWN HEREON IN SECTION 2, TOWNSHIP 45 NORTH, RANGE 10 EAST AND SECTION 34, TOWNSHIP 46 NORTH, RANGE 10 EAST OF THE THIRD PRINCIPAL MERIDIAN, LAKE COUNTY, THAT THE SURVEY IS TRUE AND COMPLETE AS SHOWN TO THE BEST OF MY KNOWLEDGE AND BELIEF, THAT THE PLAT CORRECTLY REPRESENTS SAID SURVEY, THAT ALL MONUMENTS FOUND AND ESTABLISHED ARE OF PERMANENT QUALITY AND OCCUPY THE POSITIONS SHOWN THEREON AND THAT THE MONUMENTS ARE SUFFICIENT TO ENABLE THE SURVEY TO BE RETRACED, MADE FOR THE DEPARTMENT OF TRANSPORTATION, STATE OF ILLINOIS.

DATED AT CHICAGO, ILLINOIS THIS 12 DAY OF APRIL 2017 A.D.

Gerardo P. Sanchez
 GERARDO P. SANCHEZ, PRESIDENT

ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 035-003486
 LICENSE EXPIRATION DATE: NOVEMBER 30, 2018

ILLINOIS PROFESSIONAL DESIGN FIRM REGISTRATION NO.: 184-004601

THIS PROFESSIONAL SERVICE CONFORMS TO THE CURRENT ILLINOIS MINIMUM STANDARDS FOR A BOUNDARY SURVEY.

SANCHEZ
 8804 W. CATALPA AVE STE 812
 CHICAGO, IL 60656
 PHONE 773-444-0144
 FAX 847-232-3104

PLAT OF HIGHWAYS
 STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION
 DIXIE HIGHWAY

LIMITS: STA 14+12 TO STA 15+12 COUNTY: COOK
 SECTIONS: 12996 JOB NO.: R-90-010-15
 STATION 10+00 TO STATION 14+00
 SCALE: 1"=30' SHEET 2 OF 5

BUREAU OF LAND ACQUISITION
 201 WEST CENTER COURT
 SCHAUMBURG, ILLINOIS 60196

IDOT USE ONLY
 RECEIVED
 JUN 14 2017
 PLATS & LEGALS

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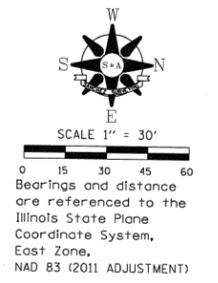
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CHECKED - JH	REVISIONS -	
DATE - 04/27/2018	REVISIONS -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

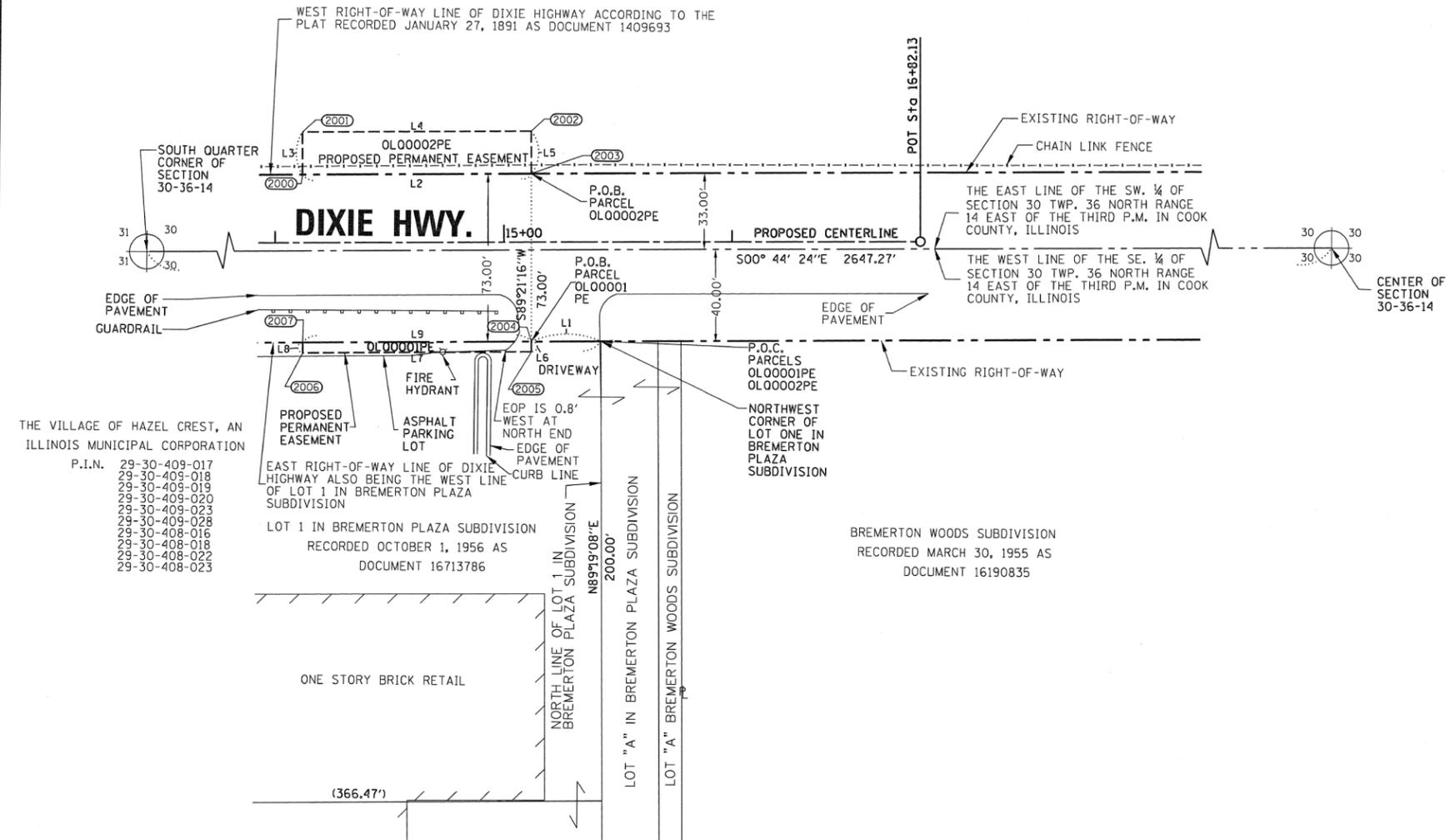
DIXIE HIGHWAY OVER DITCH	
ROW PLATS	
SCALE: 1" = 20'	SHEET OF SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2843	2014-083B	COOK	30	14
CONTRACT NO. 62A28				
ILLINOIS FED. AID PROJECT				

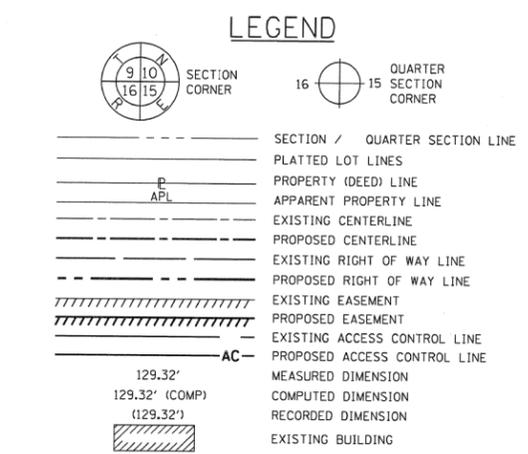
PART OF THE SE 1/4 OF SECTION 30 OF TWP. 36 N., R. 14 E. OF THE 3RD. P.M., IN COOK COUNTY, ILLINOIS.
 PART OF THE SW 1/4 OF SECTION 30 OF TWP. 36 N., R. 14 E. OF THE 3RD. P.M., IN COOK COUNTY, ILLINOIS.



CALUMET COUNTRY CLUB, AN ILLINOIS CORPORATION
 P.I.N. 29-30-300-005
 29-30-300-103



THE VILLAGE OF HAZEL CREST, AN ILLINOIS MUNICIPAL CORPORATION
 P.I.N. 29-30-409-017
 29-30-409-018
 29-30-409-019
 29-30-409-020
 29-30-409-023
 29-30-409-028
 29-30-408-016
 29-30-408-018
 29-30-408-022
 29-30-408-023



SURVEY NOTES

- ALL DIMENSIONS ARE MEASURED UNLESS OTHERWISE SPECIFIED.
- BEARINGS AND DISTANCES SHOWN HEREON REFERENCE THE ILLINOIS STATE PLANE COORDINATE SYSTEM, EAST ZONE, NORTH AMERICAN DATUM 1983 (2011 ADJUSTMENT) "GRID".
- ALL MEASURED AND CALCULATED DISTANCES ARE "GRID" NOT "GROUND". TO OBTAIN GROUND DISTANCES DIVIDE GRID DISTANCES SHOWN BY THE COMBINED FACTOR OF 0.9999750000.
- AREAS SHOWN ON THIS PLAT ARE "GROUND".

MARKER TO MONUMENT THE POSITION SHOWN, IDENTIFIED BY INSCRIPTION DATA AND SURVEYORS REGISTRATION NUMBER.

- IRON PIPE OR ROD FOUND
- "MAG" NAIL SET
- + CUT CROSS FOUND OR SET
- 5 / 8" REBAR SET
- STAKING OF PROPOSED RIGHT OF WAY. SET DIVISION OF HIGHWAYS SURVEY
- ⊙ PERMANENT SURVEY MARKER, I.D.O.T. STANDARD 2135 (TO BE SET BY OTHERS)
- RIGHT OF WAY STAKING PROPOSED TO BE SET

LINE TABLE		
NUM	BEARING	DISTANCE
L1	S00°44'24"E	30.39'
L2	S00°44'24"E	100.00'
L3	S89°21'16"W	18.50'
L4	N00°44'24"W	100.00'
L5	N89°21'16"E	18.50'
L6	N89°21'16"E	4.50'
L7	S00°44'24"E	100.00'
L8	S89°21'16"W	4.50'
L9	S00°44'24"E	100.00'

PROJECT COORDINATES					
ILLINOIS STATE PLANE, EAST ZONE, NAD 83 (2011)					
POINT TABLE					
POINT #	NORTHING	EASTING	STATION	OFFSET	
2000	1788188.59	1166954.61	14+12	29.42'	LT
2001	1788188.38	1166936.11	14+12	47.92'	LT
2002	1788288.37	1166934.82	15+12	48.09'	LT
2003	1788288.58	1166953.32	15+12	29.59'	LT
2004	1788289.40	1167026.32	15+12	43.41'	RT
2005	1788289.45	1167030.82	15+12	47.91'	RT
2006	1788189.46	1167032.11	14+12	48.08'	RT
2007	1788189.41	1167027.61	14+12	43.58'	RT

PARCEL NUMBER	TOTAL HOLDINGS ACRES	PART TAKEN ACRES	AREA IN EXISTING R.O.W.	REMAINDER AREA ACRES	EASEMENT AREA ACRES	SQUARE FEET	PERMANENT INDEX NUMBER
0LQ0001PE	6.901			6.901	0.010	450.00	29-30-409-017, 29-30-409-018, 29-30-409-019, 29-30-409-020, 29-30-409-023, 29-30-409-028, 29-30-408-016, 29-30-408-018, 29-30-408-022, 29-30-408-023
0LQ0002PE	125.281			125.281	0.042	NA	29-30-300-005, 29-30-300-103

STATE OF ILLINOIS)
)SS
 COUNTY OF COOK)

THIS IS TO CERTIFY THAT I, GERARDO P. SANCHEZ, AN ILLINOIS PROFESSIONAL LAND SURVEYOR LICENSE NO. 035-003486, HAVE SURVEYED THE PLAT OF HIGHWAYS SHOWN HEREON IN SECTION 2, TOWNSHIP 45 NORTH, RANGE 10 EAST AND SECTION 34, TOWNSHIP 46 NORTH, RANGE 10 EAST OF THE THIRD PRINCIPAL MERIDIAN, LAKE COUNTY, THAT THE SURVEY IS TRUE AND COMPLETE AS SHOWN TO THE BEST OF MY KNOWLEDGE AND BELIEF, THAT THE PLAT CORRECTLY REPRESENTS SAID SURVEY, THAT ALL MONUMENTS FOUND AND ESTABLISHED ARE OF PERMANENT QUALITY AND OCCUPY THE POSITIONS SHOWN THEREON AND THAT THE MONUMENTS ARE SUFFICIENT TO ENABLE THE SURVEY TO BE RETRACED, MADE FOR THE DEPARTMENT OF TRANSPORTATION, STATE OF ILLINOIS.

DATED AT CHICAGO, ILLINOIS THIS 12 DAY OF APRIL 2017 A.D.

Gerardo P. Sanchez
 GERARDO P. SANCHEZ, PRESIDENT

ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 035-003486
 LICENSE EXPIRATION DATE: NOVEMBER 30, 2018

ILLINOIS PROFESSIONAL DESIGN FIRM REGISTRATION NO.: 184-004601

THIS PROFESSIONAL SERVICE CONFORMS TO THE CURRENT ILLINOIS MINIMUM STANDARDS FOR A BOUNDARY SURVEY.

REVISION DATE: 04/28/17 REVISION MADE BY: G.C.

SANCHEZ
 8604 W. CATALPA AVE STE 912
 CHICAGO, IL 60656
 PHONE: 773-444-0144
 FAX: 847-332-3104

PLAT OF HIGHWAYS
 STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION
 DIXIE HIGHWAY

LIMITS: STA 14+12 TO STA 15+12 COUNTY: COOK
 SECTIONS: 12996 JOB NO.: R-90-010-15
 STATION 14+00 TO STATION 16+82.13
 SCALE: 1"=30' SHEET 3 OF 5

BUREAU OF LAND ACQUISITION
 201 WEST CENTER COURT
 SCHAUMBURG, ILLINOIS 60196

DOT USE ONLY
 RECEIVED
 JUN 14 2017
 PLATS & LEGALS

FILE NAME = Y:\13015.04 IDOT 01 Dixie\ODN\Design\Final\Plotsheets\162A28-shr.parcel2.dgn

USER NAME = RG011	DESIGNED - RG	REVISED -
	DRAWN - KW	REVISED -
PLOT SCALE = 40.0000' / in.	CHECKED - JH	REVISED -
PLOT DATE = 6/26/2018	DATE - 04/27/2018	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DIXIE HIGHWAY OVER DITCH
ROW PLATS
 SCALE: 1" = 20' SHEET OF SHEETS STA. TO STA.

F.A.U. RT.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2843	2014-083B	COOK	30	15
CONTRACT NO. 62A28				
ILLINOIS FED. AID PROJECT				

PART OF THE SE 1/4 OF SECTION 30 OF TWP. 36 N., R. 14 E. OF THE 3RD. P.M., IN COOK COUNTY, ILLINOIS.
 PART OF THE SW 1/4 OF SECTION 30 OF TWP. 36 N., R. 14 E. OF THE 3RD. P.M., IN COOK COUNTY, ILLINOIS.

TOTAL HOLDINGS



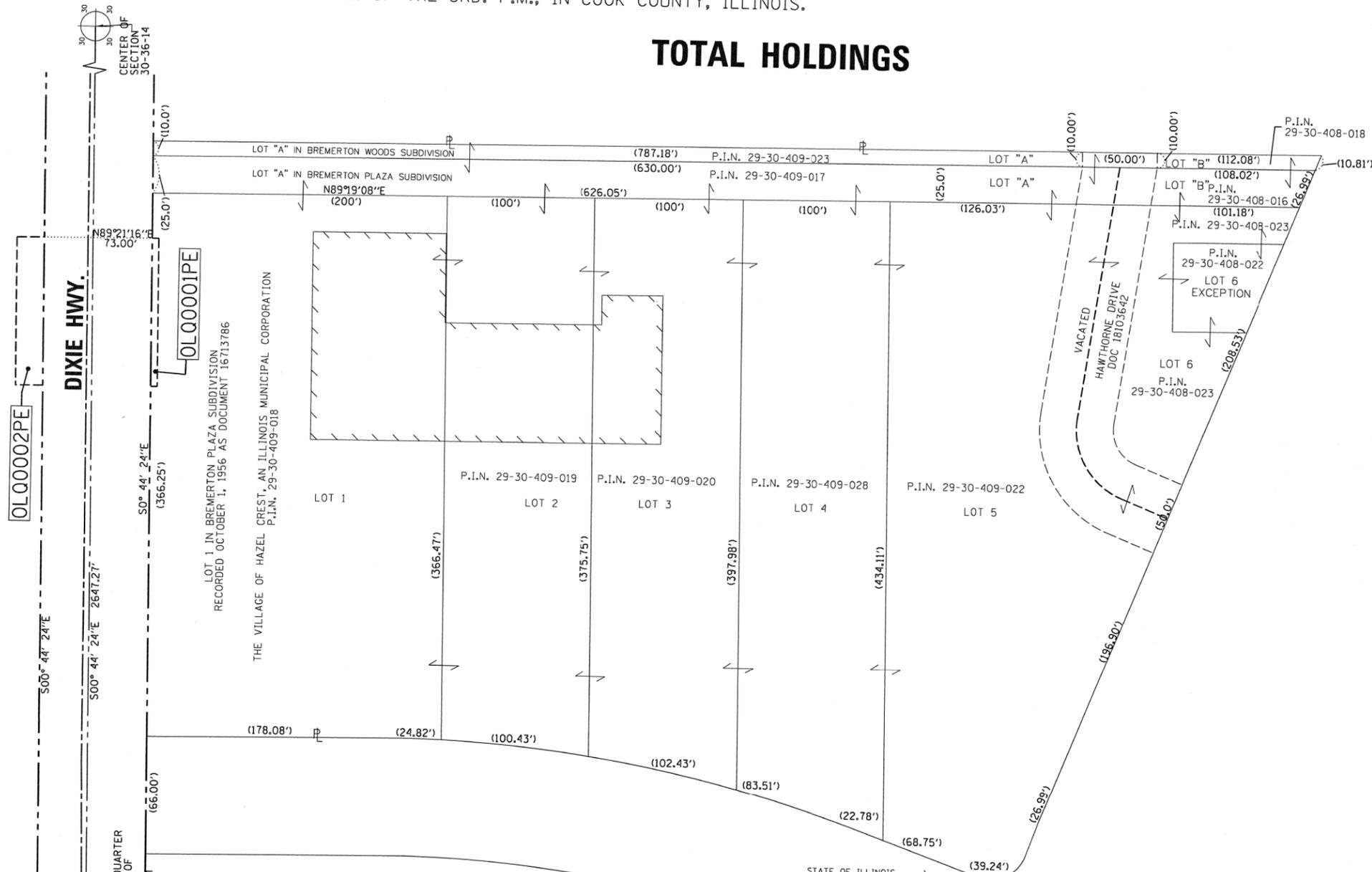
SCALE 1" = 40'

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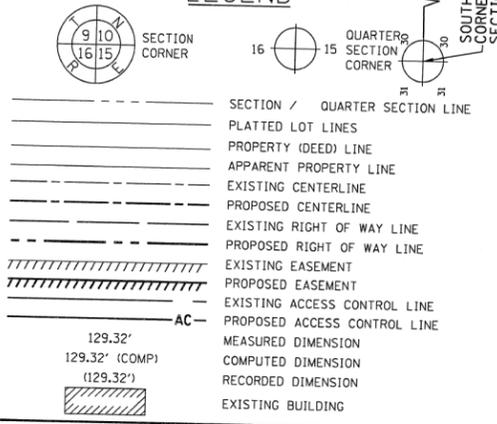
Bearings and distance are referenced to the Illinois State Plane Coordinate System, East Zone, NAD 83 (2011 ADJUSTMENT)

Combination Scale Factor (Grid to Ground): 0.9999750000
 ABBREVIATIONS:

P.O.C. - POINT OF COMMENCEMENT
 P.O.B. - POINT OF BEGINNING



LEGEND



SURVEY NOTES

- ALL DIMENSIONS ARE MEASURED UNLESS OTHERWISE SPECIFIED.
- BEARINGS AND DISTANCES SHOWN HEREON REFERENCE THE ILLINOIS STATE PLANE COORDINATE SYSTEM, EAST ZONE, NORTH AMERICAN DATUM 1983 (2011 ADJUSTMENT) "GRID".
- ALL MEASURED AND CALCULATED DISTANCES ARE "GRID" NOT "GROUND". TO OBTAIN GROUND DISTANCES DIVIDE GRID DISTANCES SHOWN BY THE COMBINED FACTOR OF 0.9999750000.
- AREAS SHOWN ON THIS PLAT ARE "GROUND".
- MARKER TO MONUMENT THE POSITION SHOWN, IDENTIFIED BY INSCRIPTION DATA AND SURVEYORS REGISTRATION NUMBER.
- IRON PIPE OR ROD FOUND ⊕ "MAG" NAIL SET
- + CUT CROSS FOUND OR SET ● 5 / 8" REBAR SET
- STAKING OF PROPOSED RIGHT OF WAY. SET DIVISION OF HIGHWAYS SURVEY
- ⊙ PERMANENT SURVEY MARKER, I.D.O.T. STANDARD 2135 (TO BE SET BY OTHERS)
- RIGHT OF WAY STAKING PROPOSED TO BE SET

STATE OF ILLINOIS)
 COUNTY OF COOK)

THIS IS TO CERTIFY THAT I, GERARDO P. SANCHEZ, AN ILLINOIS PROFESSIONAL LAND SURVEYOR LICENSE NO. 035-003486, HAVE SURVEYED THE PLAT OF HIGHWAYS SHOWN HEREON IN SECTION 2, TOWNSHIP 46 NORTH, RANGE 10 EAST AND SECTION 34, TOWNSHIP 46 NORTH, RANGE 10 EAST OF THE THIRD PRINCIPAL MERIDIAN, LAKE COUNTY, THAT THE SURVEY IS TRUE AND COMPLETE AS SHOWN TO THE BEST OF MY KNOWLEDGE AND BELIEF, THAT THE PLAT CORRECTLY REPRESENTS SAID SURVEY, THAT ALL MONUMENTS FOUND AND ESTABLISHED ARE OF PERMANENT QUALITY AND OCCUPY THE POSITIONS SHOWN THEREON AND THAT THE MONUMENTS ARE SUFFICIENT TO ENABLE THE SURVEY TO BE RETRACED, MADE FOR THE DEPARTMENT OF TRANSPORTATION, STATE OF ILLINOIS.

DATED AT CHICAGO, ILLINOIS THIS 12 DAY OF APRIL 2017 A.D.

Gerardo P. Sanchez
 GERARDO P. SANCHEZ, PRESIDENT

ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 035-003486
 LICENSE EXPIRATION DATE: NOVEMBER 30, 2018

ILLINOIS PROFESSIONAL DESIGN FIRM REGISTRATION NO.: 184-004601

THIS PROFESSIONAL SERVICE CONFORMS TO THE CURRENT ILLINOIS MINIMUM STANDARDS FOR A BOUNDARY SURVEY.

REVISION DATE: 04/28/17 REVISION MADE BY: G.C.

SANCHEZ

8604 W. CATALPA AVE STE 912
 CHICAGO, IL 60656
 PHONE 773-444-5144
 FAX 847-232-3104

PLAT OF HIGHWAYS
 STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION
 DIXIE HIGHWAY

LIMITS: STA 14+12 TO STA 15+12 COUNTY: COOK
 SECTIONS: 12996 JOB NO.: R-90-010-15
 STATION 10+00 TO STATION 16+82.13
 SCALE: 1"=50' SHEET 4 OF 5

BUREAU OF LAND ACQUISITION
 201 WEST CENTER COURT
 SCHAUMBURG, ILLINOIS 60196

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 PLATS & LEGALS

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PLOT DATE = 6/26/2018	DATE - 04/27/2018	REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

DIXIE HIGHWAY OVER DITCH ROW PLATS

SCALE: 1" = 20'	SHEET	OF	SHEETS	STA.	TO	STA.
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F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2843	2014-083B	COOK	30	16
CONTRACT NO. 62A28				
ILLINOIS FED. AID PROJECT				

PART OF THE SE 1/4 OF SECTION 30 OF TWP. 36 N., R. 14 E. OF THE 3RD. P.M., IN COOK COUNTY, ILLINOIS.
 PART OF THE SW 1/4 OF SECTION 30 OF TWP. 36 N., R. 14 E. OF THE 3RD. P.M., IN COOK COUNTY, ILLINOIS.

TOTAL HOLDINGS

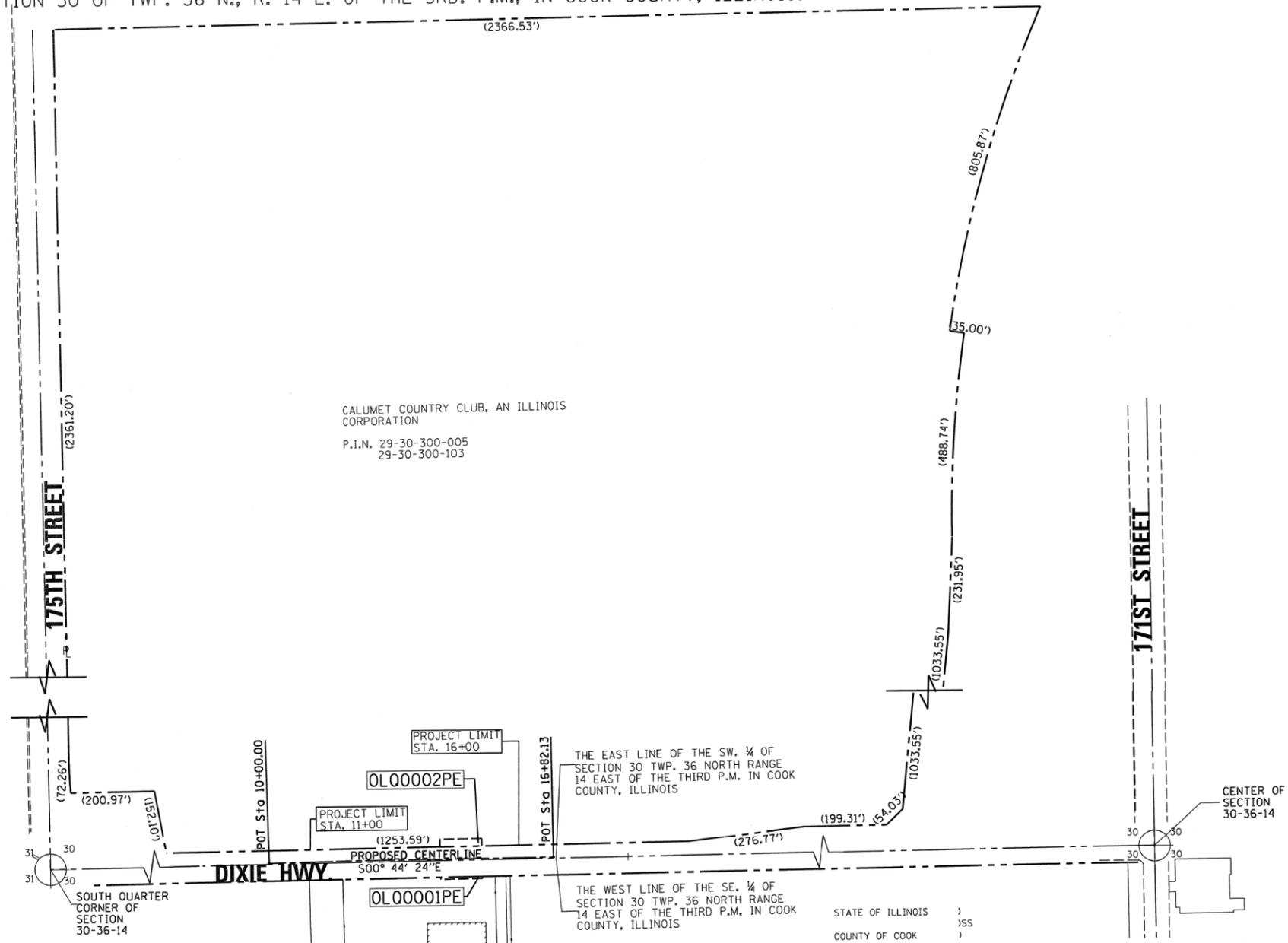


SCALE 1" = 150'

0 75 150 225 300
 Bearings and distance are referenced to the Illinois State Plane Coordinate System, East Zone, NAD 83 (2011 ADJUSTMENT)

Combination Scale Factor (Grid to Ground): 0.9999750000
 ABBREVIATIONS:

P.O.C. - POINT OF COMMENCEMENT
 P.O.B. - POINT OF BEGINNING



CALUMET COUNTRY CLUB, AN ILLINOIS CORPORATION
 P.I.N. 29-30-300-005
 29-30-300-103

LEGEND

- SECTION CORNER
- QUARTER SECTION CORNER
- SECTION / QUARTER SECTION LINE
- PLATTED LOT LINES
- PROPERTY (DEED) LINE
- APPARENT PROPERTY LINE
- EXISTING CENTERLINE
- PROPOSED CENTERLINE
- EXISTING RIGHT OF WAY LINE
- PROPOSED RIGHT OF WAY LINE
- EXISTING EASEMENT
- PROPOSED EASEMENT
- EXISTING ACCESS CONTROL LINE
- PROPOSED ACCESS CONTROL LINE
- MEASURED DIMENSION
- COMPUTED DIMENSION
- RECORDED DIMENSION
- EXISTING BUILDING

SURVEY NOTES

- ALL DIMENSIONS ARE MEASURED UNLESS OTHERWISE SPECIFIED.
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STATE OF ILLINOIS)
 COUNTY OF COOK)

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PLAT OF HIGHWAYS
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 DIXIE HIGHWAY

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 SCALE: 1"=30' SHEET 5 OF 5

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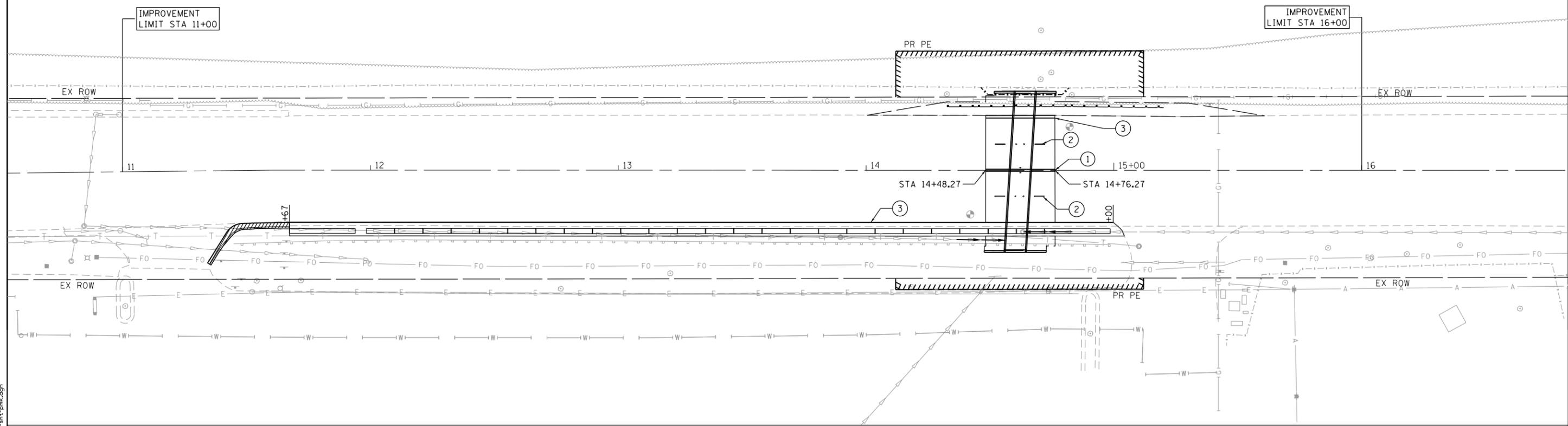
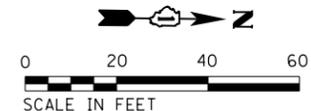
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PLOT DATE = 6/26/2018	DATE - 04/27/2018	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DIXIE HIGHWAY OVER DITCH ROW PLATS	
SCALE: 1" = 20'	SHEET OF SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2843	2014-083B	COOK	30	17
CONTRACT NO. 62A28				
ILLINOIS FED. AID PROJECT				



LEGEND

- ① THERMOPLASTIC PAVEMENT MARKING - LINE 4" (SOLID DOUBLE YELLOW)
RAISED REFLECTIVE PAVEMENT MARKER (40' O.C. TWO-WAY AMBER)
- ② THERMOPLASTIC PAVEMENT MARKING - LINE 4" (30' SKIP - 10' DASH WHITE)
RAISED REFLECTIVE PAVEMENT MARKER (40' O.C. DOUBLE ONE-WAY CRYSTAL)
- ③ THERMOPLASTIC PAVEMENT MARKING - LINE 4" (SOLID WHITE)

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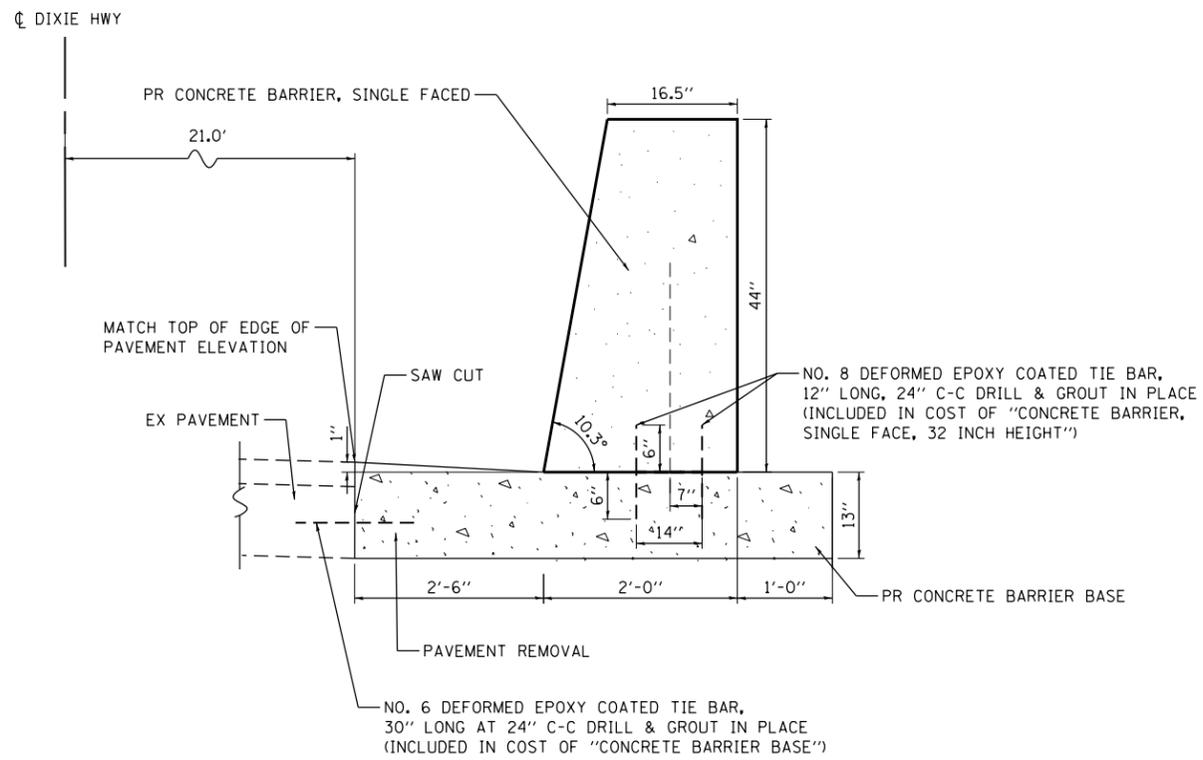
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PLOT DATE = 6/26/2018	DATE - 04/27/2018	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

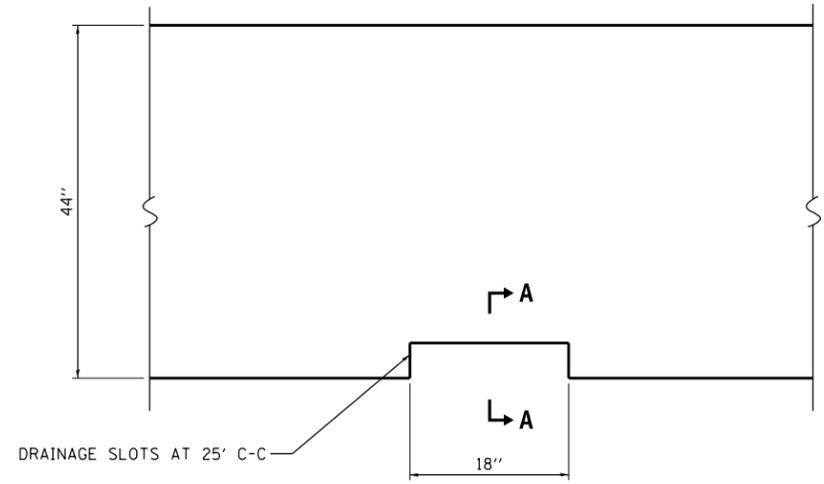
**DIXIE HIGHWAY OVER DITCH
PAVEMENT MARKING PLANS**

SCALE: 1" = 20' SHEET OF SHEETS STA. TO STA.

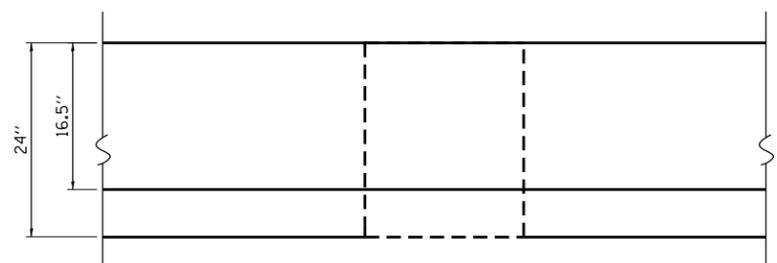
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2843	2014-083B	COOK	30	18
CONTRACT NO. 62A28				
ILLINOIS FED. AID PROJECT				



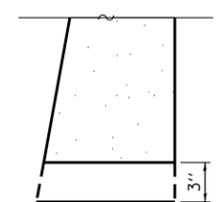
**CONCRETE BARRIER
TYPICAL CROSS-SECTION**



**CONCRETE BARRIER
ELEVATION**



**CONCRETE BARRIER
PLAN**



**SECTION A-A
DRAINAGE SLOT**

DRAINAGE SLOTS TO BE SPACED 15 FT C-C AT THE LOCATIONS SHOWN IN THE DRAINAGE SLOT SCHEDULE

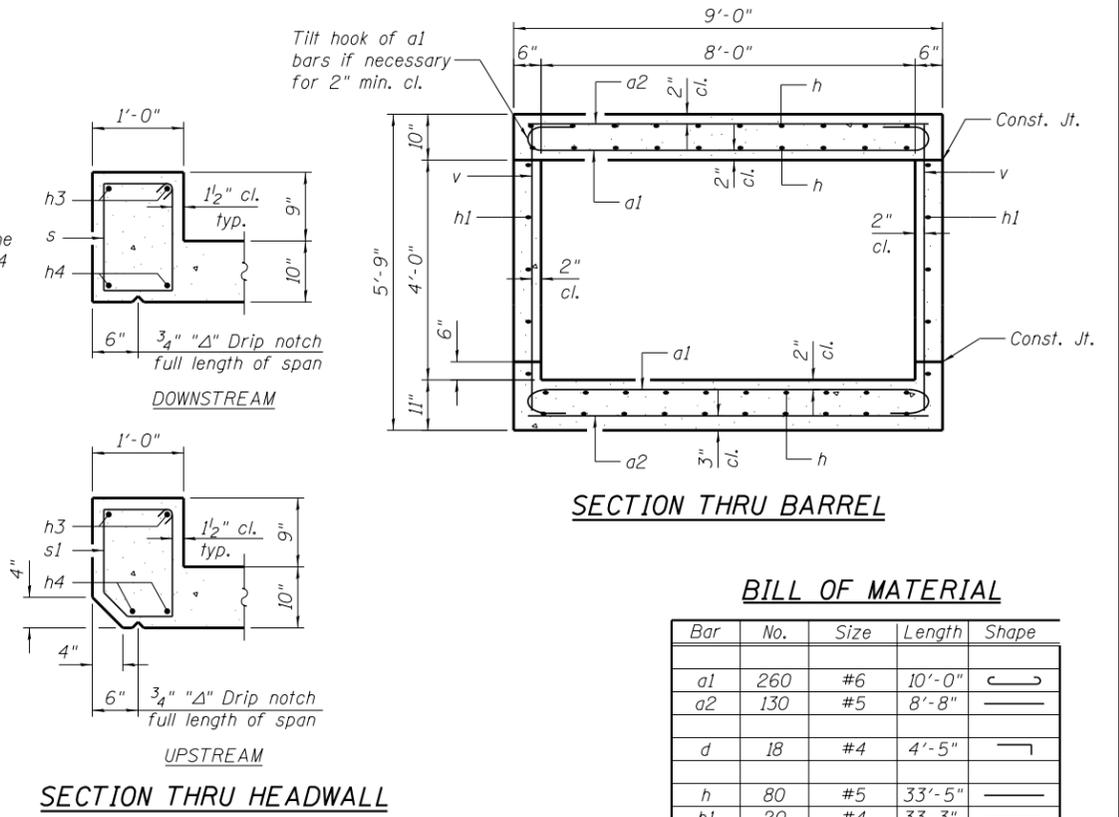
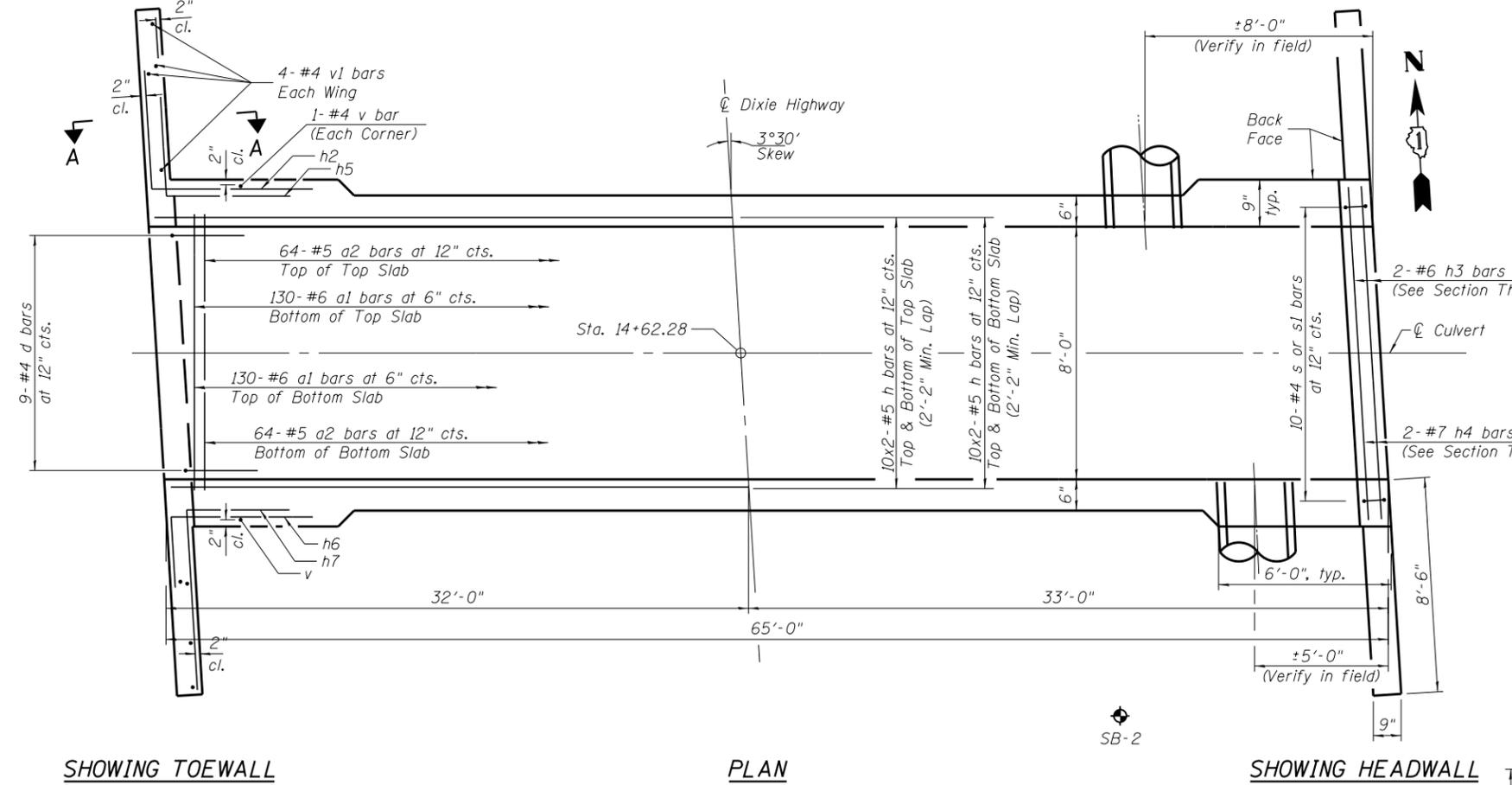
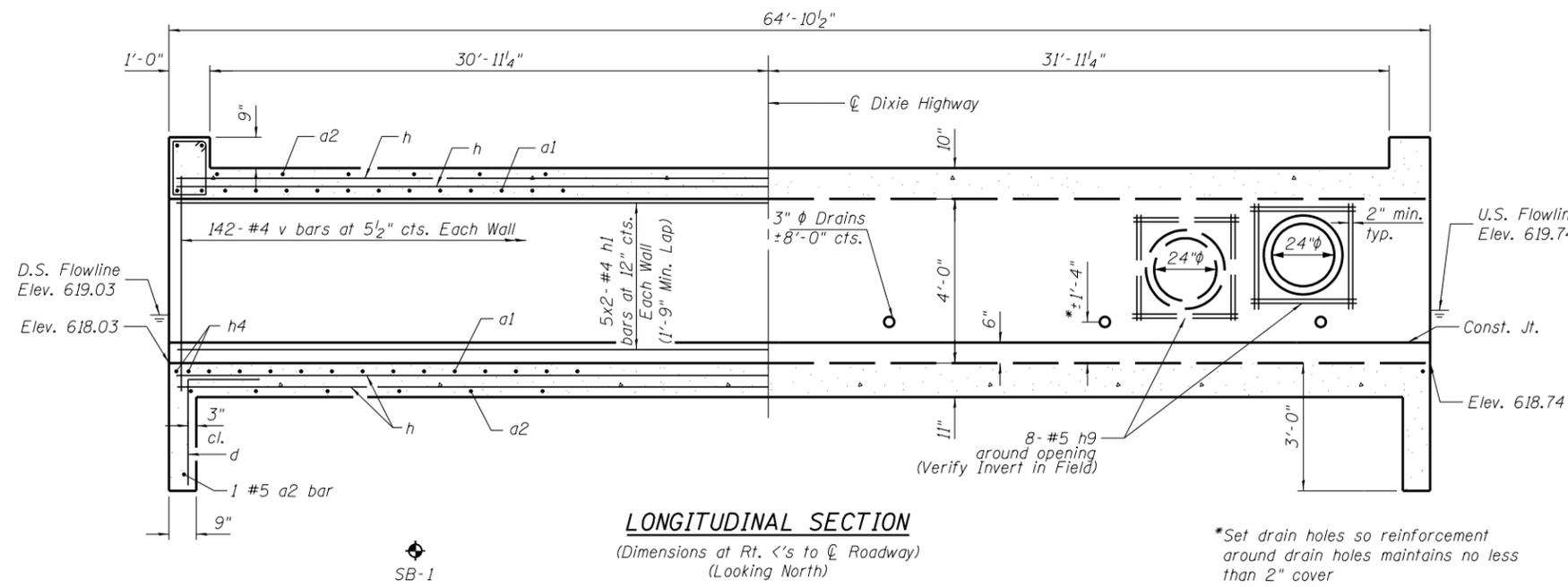
LOCATION	STATION
01	12+10.00
02	12+25.00
03	12+40.00
04	12+55.00
05	12+70.00
06	12+85.00
07	13+00.00
08	13+15.00
09	13+30.00
10	13+45.00
11	13+60.00
12	13+75.00
13	13+90.00
14	14+05.00
15	14+20.00
16	14+35.00
17	14+50.00
18	14+65.00

**DRAINAGE SLOT
SCHEDULE**

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F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.																
2843	2014-083B	COOK	30	19																
CONTRACT NO. 62A28																				
			SCALE: 1" = 20'	SHEET OF SHEETS	STA. TO STA.	ILLINOIS FED. AID PROJECT														

PRINT DATE: 7/30/2018 9:40:17 AM Y:\3015\04 ID01 DIW04 Dixie.DGN\Bridg\Final\Plotsheets\0162292-001_General Plan and Elevation.dgn



BILL OF MATERIAL

Bar	No.	Size	Length	Shape	
a1	260	#6	10'-0"		
a2	130	#5	8'-8"		
d	18	#4	4'-5"		
h	80	#5	33'-5"		
h1	20	#4	33'-3"		
h2	20	#5	8'-0"		
h3	4	#6	9'-2"		
h4	8	#7	9'-2"		
h5	24	#5	11'-0"		
h6	20	#5	8'-0"		
h7	24	#5	11'-0"		
h8	16	#5	24'-8"		
h9	16	#5	3'-6"		
s	20	#4	4'-11"		
s1	20	#4	4'-9"		
v	284	#4	5'-4"		
v1	16	#4	8'-5"		
Reinforcement Bars				Pound	11,160

DESIGN SPECIFICATIONS
2017 AASHTO LRFD Bridge Design Specifications, 8th Edition

DESIGN STRESSES
FIELD UNITS
f'c = 3,500 psi
fy = 60,000 psi (Reinforcement)

LOADING HL-93
Allow 50#/sq. ft. for future wearing surface.

Notes:
A distance of half the length of the wingwall but not less than six feet of the barrel shall be poured monolithically with the wingwalls.
Bars indicated thus 12 x 4-#5 etc. indicates 12 lines of bars with 4 lengths per line.

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

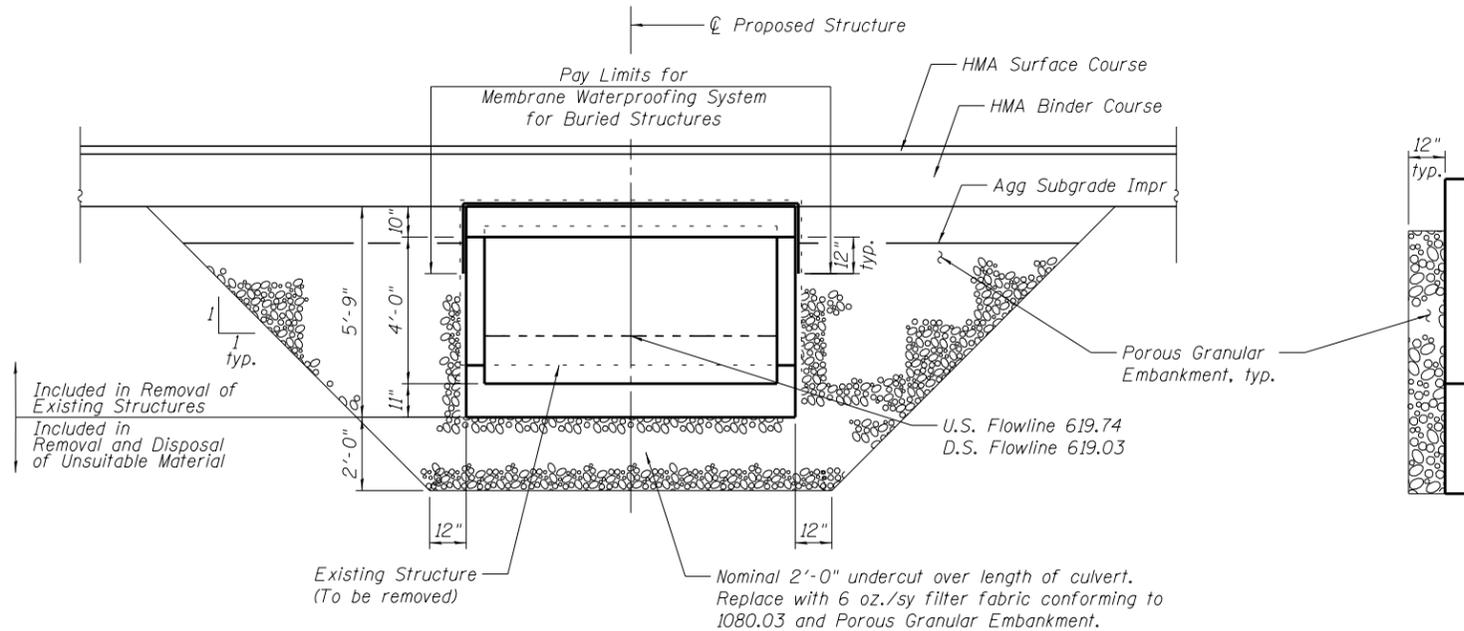
CULVERT DETAILS
STRUCTURE NO. 016-2292

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2843	2014-083B	COOK	30	20
CONTRACT NO. 62A28				

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	DATE - 03/06/2018	REVISED -

SHEET NO. OF SHEETS

ILLINOIS FED. AID PROJECT

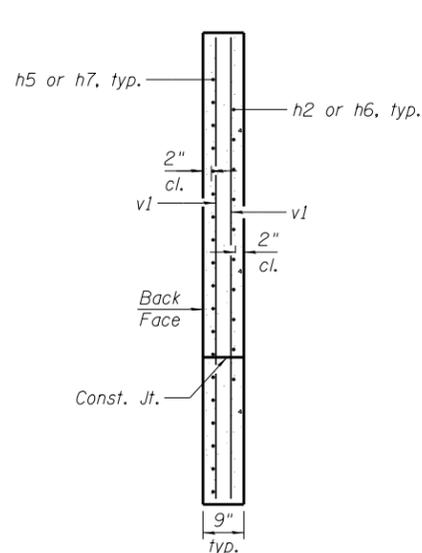


SECTION THRU BARREL
(Looking West)

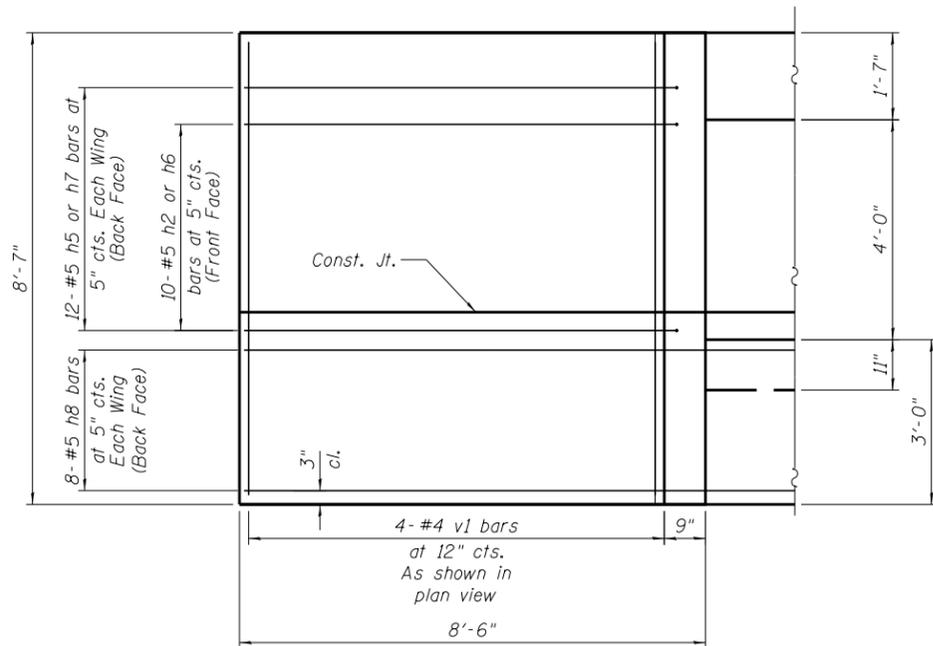
The limits and quantities of Undercut removal and replacement shown are based on the recommendations of the Structural Geotechnical Report (SGR) and may be modified by the District Geotechnical and Field Engineer for variable subsurface conditions encountered in the field.

Excavation for construction of the box culvert, and wingwalls including the excavation necessary to construct the porous granular embankment, is included in Removal of Existing Structures.

SECTION THRU WINGWALLS



SECTION A-A



ELEVATION OF NW AND SE WINGWALL
(NE and SW Similar)

GENERAL NOTES

Precast alternate is not allowed.

Layout of the slope protection system may be varied to suit ground conditions in the field as directed by the Engineer.

It shall be the responsibility of the Contractor to divert the stream flow during construction in order to keep the construction area free of water. The method of the water diversion shall be subjected to the approval of the Engineer and the cost shall be included with the cost of the Concrete Box Culverts.

Compaction via machine vibrators is not allowed over the culvert. Hand compaction method only.

STATION 14+62.28
BUILT BY
STATE OF ILLINOIS
F.A.U. RTE. 2843
SEC. 2014-083B
LOADING HL-93
STRUCTURE NO. 016-2292

NAME PLATE
See Std. 515001

WATERWAY INFORMATION

Drainage Area = 32.45 Acres							
Existing Low Grade Elev. 624.66							
Proposed Low Grade Elev. 624.66							
Flood	Freq. Yr.	Q C.F.S.	Natural H.W.E.	Opening Exist.	Sq. Ft. Prop.	Headwater El. Ft. Exist.	Headwater El. Ft. Prop.
Ten-Year	10	60.4	622.1	16.5	18.9	623.31	623.32
Design	50	98.7	623.0	23.7	26.1	623.73	623.75
Base	100	119.7	623.3	26.1	28.5	623.97	624.00
Overtopping							
Max. Calc.	500	155.8	623.7	29.2	31.6	624.76	624.78

10-year Velocity through Existing Culvert = 2.52 ft/s 2-year Peak Flow = 210 cfs
10-year Velocity through Proposed Culvert = 2.52 ft/s 2-year Peak Elevation = 621.97

TOTAL BILL OF MATERIAL

ITEM	UNIT	TOTAL
Removal and Disposal of Unsuitable Material	Cu. Yd.	63
Porous Granular Embankment	Cu. Yd.	333
Filter Fabric	Sq. Yd.	85
Removal of Existing Structures	Each	1
Reinforcement Bars	Pound	11,160
Name Plates	Each	1
Concrete Box Culverts	Cu. Yd.	55.6
Membrane Waterproofing System for Buried Structures	Sq. Yd.	91

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PLOT DATE = 7/30/2018	DATE - 03/06/2018	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CULVERT DETAILS
STRUCTURE NO. 016-2292

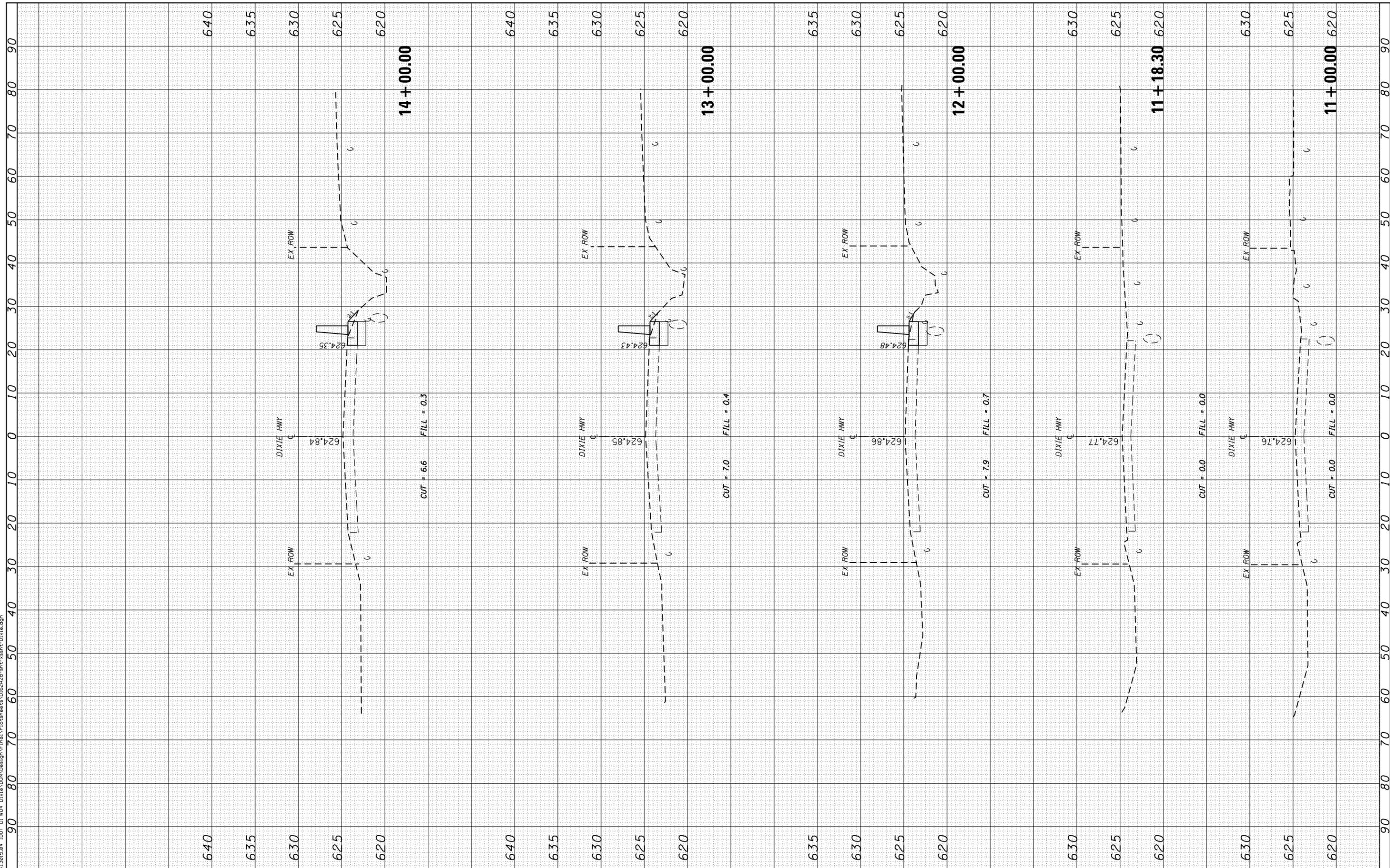
SHEET NO. OF SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2843	2014-083B	COOK	30	21
CONTRACT NO. 62A28				
ILLINOIS FED. AID PROJECT				

FINAL SURVEY	SURVEYED	BY	DATE
NOTE BOOK	PLOTTED		
AREAS CHECKED	TEMPLATE		
AREAS CHECKED	AREAS CHECKED		

ORIGINAL SURVEY	SURVEYED	BY	DATE
NOTE BOOK	PLOTTED		
AREAS CHECKED	TEMPLATE		
AREAS CHECKED	AREAS CHECKED		

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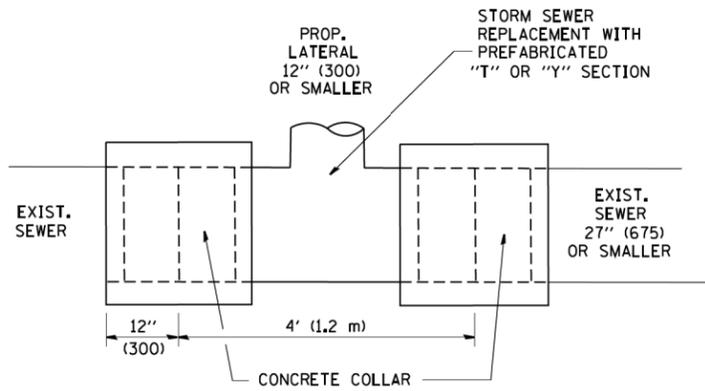
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DRAWN - KW	REVISOR -
CHECKED - JH	REVISOR -
DATE - 04/27/2018	REVISOR -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**DIXIE HWY OVER DITCH (0.2 MIN OF GOVERNOR'S HWY)
CROSS SECTIONS**

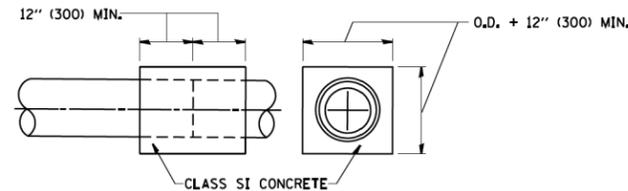
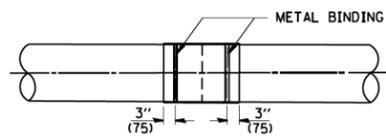
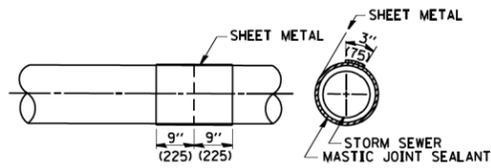
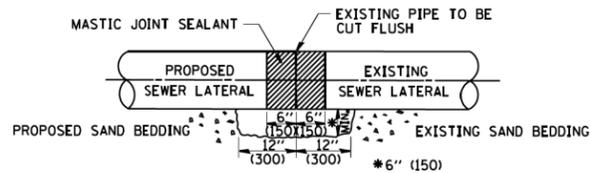
SCALE: SHEET OF SHEETS STA. 10+00.00 TO STA. 13+00.00

F.A.U. RTE. 2843	SECTION 2014-083B	COUNTY COOK	TOTAL SHEETS 30	SHEET NO. 23
CONTRACT NO. 62A28			ILLINOIS FED. AID PROJECT	



DETAIL "A"

LATERAL CONNECTION TO EXISTING SEWER OF 27" (675) OR SMALLER

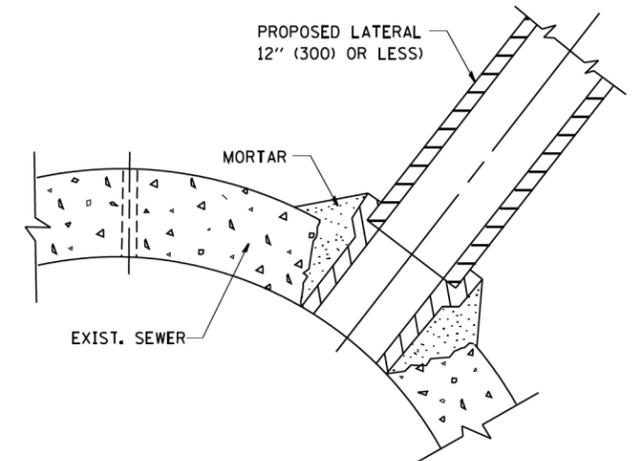


DETAIL "B"

CLASS SI CONCRETE COLLAR

CONSTRUCTION SEQUENCE

1. CUT THE EXISTING END OF THE PIPE SO AS TO PRESENT A FLUSH BUTT JOINT. BRUSH AND CLEAN ALL PIPES.
2. APPLY THE MASTIC JOINT SEALANT TO THE FIRST 6" (150) OF EACH PIPE.
3. BUTT THE PIPES TOGETHER LEAVING A MINIMUM OF 12" x 6" (300 x 150) DEEP EXCAVATION UNDER AND AROUND EACH PIPE END.
4. CUT A PIECE OF SHEET METAL GAGE NO. 19 1.1 (0.0418) 18" (450) WIDE BY THE OUTSIDE CIRCUMFERENCE OF THE PIPE PLUS 3" (75) LONG.
5. WRAP THE SHEET METAL AROUND THE PIPES, 9" (225) ON EACH SIDE OF THE JOINT, STARTING AT THE TOP OF THE PIPE.
6. LAP THE SHEET METAL AT LEAST 3" (75) AT THE TOP OF THE PIPE AND PLACE THE MASTIC JOINT SEALANT BETWEEN THE LAP.
7. PLACE TWO METAL BANDS AROUND THE SHEET METAL AND TIGHTEN.
8. WIPE OFF ANY EXCESS MASTIC JOINT SEALANT THAT OOOZES OUT FROM BETWEEN THE SHEET METAL AND THE PIPES.
9. PLACE CLASS SI CONCRETE AROUND THE JOINT.



DETAIL "C"

PROPOSED LATERAL CONNECTION TO EXISTING SEWER OF 30" (750) OR LARGER

NOTES

MATERIAL

MATERIAL USED FOR THE TEE OR WYE SECTION SHALL BE COMPATIBLE WITH THE EXISTING STORM SEWER OR THE PROPOSED STORM SEWER.

CONSTRUCTION METHODS

- THIS WORK SHALL BE CONSTRUCTED IN CONFORMANCE WITH THE APPLICABLE PORTIONS OF SECTION 550 OF THE STANDARD SPECIFICATIONS.
- CONNECTION TO AN EXISTING STORM SEWER SHALL BE BY EITHER OF THE FOLLOWING METHODS:
 - PROPOSED STORM SEWER CONNECTION TO EXISTING SEWER OF 27" (675) OR SMALLER SEE DETAIL "A" AND "B".
 - PROPOSED STORM SEWER CONNECTION TO EXISTING SEWER OF 30" (750) OR LARGER SEE DETAIL "C".

IF THE EXISTING SEWER PIPE IS CRACKED, BROKEN OR OTHERWISE DAMAGED BY THE CONTRACTOR IN MAKING THE CIRCULAR OPENING, THE CONTRACTOR SHALL REPLACE THAT SECTION OF PIPE WITH PIPE EQUAL AND SIMILAR IN ALL RESPECTS TO THE PIPE IN THE EXISTING SEWER, IN A CAREFUL WORKMANLIKE MANNER, WITHOUT EXTRA COMPENSATION.

GENERAL

CARE MUST BE TAKEN TO PREVENT DEBRIS FROM ENTERING THE SEWER. ALL DEBRIS WHICH ENTERS THE SEWER MUST BE REMOVED. THE SEWER MUST BE LEFT CLEAN AND UNOBSTRUCTED UPON COMPLETION OF THE CONTRACT.

CARE MUST BE TAKEN TO PREVENT ANY PART OF THE NEW PIPE CONNECTION FROM PROJECTING INTO THE EXISTING SEWER.

BASIS OF PAYMENT

TEE OR WYE CONNECTIONS SHALL BE PAID FOR AT THE CONTRACT UNIT PRICE EACH FOR STORM SEWER TEE OR WYE OF THE TYPE AND SIZE SPECIFIED IN THE PLANS. THIS PRICE SHALL INCLUDE ALL EXCAVATION OF THE TRENCH, REMOVAL OF THE EXISTING STORM SEWER, FURNISHING AND INSTALLING THE SPECIFIED TEE OR WYE SECTION, FURNISHING AND INSTALLING THE REQUIRED CONCRETE COLLAR, AND ALL OTHER MATERIAL NECESSARY TO COMPLETE THIS WORK AS SHOWN AND SPECIFIED.

REMOVAL AND REINSTALLATION OF EXISTING STORM SEWER ADJACENT TO THE PROPOSED TEE OR WYE SECTION, FOR THE PURPOSE OF FACILITATING THE INSTALLATION OF THE TEE OR WYE SECTION, WILL NOT BE PAID FOR SEPARATELY BUT SHALL BE INCLUDED IN THE UNIT PRICE BID FOR THE WORK.

TRENCH BACKFILL, EXCAVATION IN ROCK AND REMOVAL AND REPLACEMENT OF UNSUITABLE MATERIAL BELOW PLAN BEDDING GRADE WILL BE PAID FOR SEPARATELY.

CONCRETE COLLAR FOR CONNECTING A PROPOSED STORM SEWER TO AN EXISTING STORM SEWER WILL NOT BE PAID FOR SEPARATELY BUT SHALL BE INCLUDED IN THE COST OF THE PROPOSED STORM SEWER.

ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN.

FILE NAME = W:\distata\22x34\bd07.dgn	USER NAME = geglanoht	DESIGNED - M. DE YONG	REVISED - M. DE YONG 05-08-92
		DRAWN -	REVISED - R. SHAH 09-09-94
	PLOT SCALE = 50.000' / IN.	CHECKED -	REVISED - R. SHAH 10-25-94
	PLOT DATE = 1/4/2008	DATE - 07-25-90	REVISED - R. SHAH 06-12-96

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**DETAIL OF STORM SEWER
CONNECTION TO EXISTING SEWER**

SCALE: NONE SHEET NO. 1 OF 1 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2843	2014-083B	COOK	30	25
BD500-01 (BD-7)		CONTRACT NO. 62A28		
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

VARIABLE - TO MEET EXISTING DIMENSIONS AND FIELD CONDITIONS (SEE NOTE ②)

PROP. CONC. CURB OR CURB AND GUTTER REPLACEMENT IN ACCORDANCE WITH STATE STANDARD 606001. (SEE NOTE ②)

SAW CUT FULL DEPTH - INCLUDED IN THE COST OF SIDEWALK, DRIVEWAY OR MEDIAN SURFACE REMOVAL PAY ITEM.

EXISTING SIDEWALK, DRIVEWAY, MEDIAN SURFACE, SOD OR GROUND.

PROPOSED SIDEWALK, DRIVEWAY PAVEMENT, MEDIAN SURFACE OR SODDING SALT TOLERANT WITH TOP SOIL, 4" (100) SOD RESTORATION (SEE NOTE ①).

SUITABLE BACKFILL MATERIAL (INCLUDED IN THE COST OF CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT)

PROPOSED 3/4" (20) PREFORMED EXPANSION JOINT AT CONCRETE SIDEWALKS, DRIVEWAYS, AND MEDIANS. (INCLUDED IN THE COST OF CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT.)

UNSUITABLE SUB-BASE MATERIAL TO BE REMOVED, IF DIRECTED BY THE ENGINEER, SHALL BE REPLACED WITH EITHER SUB-BASE GRANULAR MATERIAL, TYPE B OR ADDITIONAL THICKNESS OF CONCRETE.

REMOVAL AND REPLACEMENT 4" (100) OR LESS IS INCLUDED IN THE COST OF CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT.

REMOVAL AND REPLACEMENT IN EXCESS OF 4" (100) WILL BE PAID FOR IN ACCORDANCE WITH ARTICLE 109.04 OF THE STANDARD SPECIFICATIONS.

PROPOSED #6 (20) EPOXY COATED TIE BARS 24" (600) LONG AT 24" (600) CENTERS WILL NOT BE PAID FOR SEPARATELY. DELETE EPOXY COATED TIE BARS IF EXISTING TIE BARS ARE USABLE AS DETERMINED BY THE ENGINEER. (SEE NOTE ③).

BASIS OF PAYMENT:
THIS WORK WILL BE PAID FOR AT THE CONTRACT UNIT PRICE PER FOOT (METER) FOR "CURB REMOVAL AND REPLACEMENT" OR "COMBINATION CONCRETE CURB AND GUTTER REMOVAL AND REPLACEMENT".

SEE STATE STANDARD 606001
EXISTING OR PROPOSED HMA SURFACE (IF APPLICABLE)

1/4" (5) **

18" (450) MAX.

T/2 *

3" (75) MIN.

EXISTING CONCRETE PAVEMENT, CONCRETE BASE COURSE OR FLEXIBLE PAVEMENT

* 3" (75) MINIMUM FROM TOP AND BOTTOM OF THE CONCRETE PAVEMENT OR BASE COURSE.

** IF THE FINAL SURFACE OF THE PAVEMENT IS CONCRETE, THE GUTTER IS TO BE FLUSH WITH THE PAVEMENT.

NOTE: ① SIDEWALK, DRIVEWAY PAVEMENT OR MEDIAN SURFACE SHALL BE SIMILAR TO THE MATERIAL BEING REMOVED AND WILL BE PAID FOR SEPARATELY.
SODDING, SALT TOLERANT AND TOP SOIL, FURNISH AND PLACE 4" WILL BE PAID FOR SEPARATELY,

② FERTILIZER FOR THE PLACEMENT OF THE SOD IS NOT REQUIRED

③ CURB OR CURB AND GUTTER REPLACEMENT SHALL MATCH THE SHAPE OF THE EXISTING CURB OR CURB AND GUTTER UNLESS OTHERWISE SPECIFIED.

④ FOR CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT ADJACENT TO FLEXIBLE PAVEMENT DELETE EPOXY COATED TIE BARS.

⑤ LONGITUDINAL BARS, IF ENCOUNTERED IN THE EXISTING CURB OR CURB AND GUTTER, ARE NOT TO BE REPLACED. CUTTING AND REMOVING LONGITUDINAL BARS SHALL BE INCLUDED IN THE COST OF CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT.

⑥ THE COST OF HMA SURFACE REMOVAL IN THE EXISTING GUTTER FLAG SHALL BE INCLUDED IN THE COST OF THE CURB AND GUTTER REMOVAL AND REPLACEMENT.

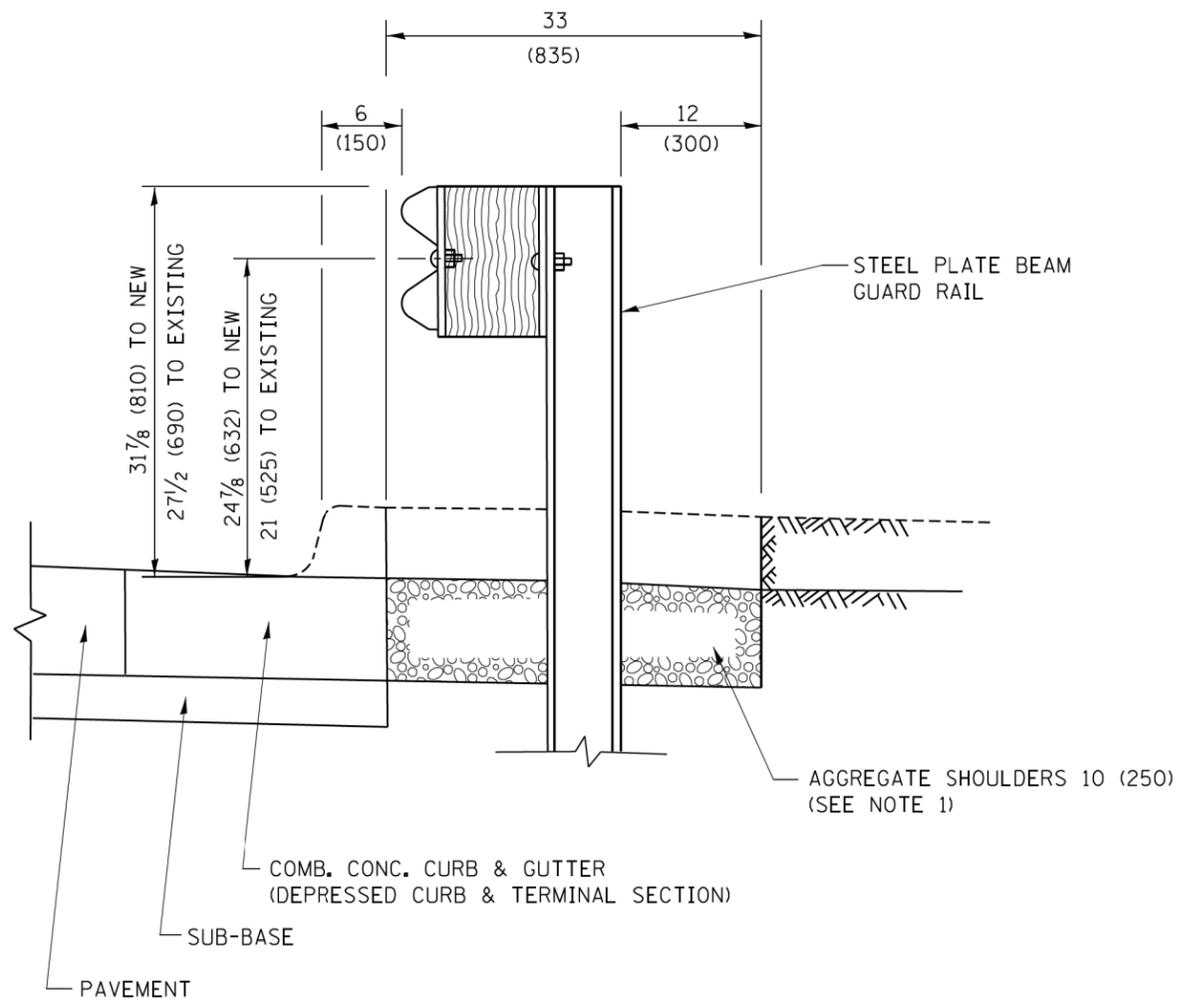
⑦ THE REMOVAL AND REPLACEMENT OF THE EXISTING CURB OR CURB AND GUTTER SHALL BE DONE IN ACCORDANCE WITH THE APPLICABLE PORTIONS OF SECTION 440 AND 606 OF THE STANDARD SPECIFICATIONS.

⑧ THE LOCATIONS OF REMOVAL AND REPLACEMENT OF EXISTING CURB OR CURB AND GUTTER SHALL BE DETERMINED BY THE RESIDENT ENGINEER AT THE TIME OF CONSTRUCTION.

CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT

ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN.

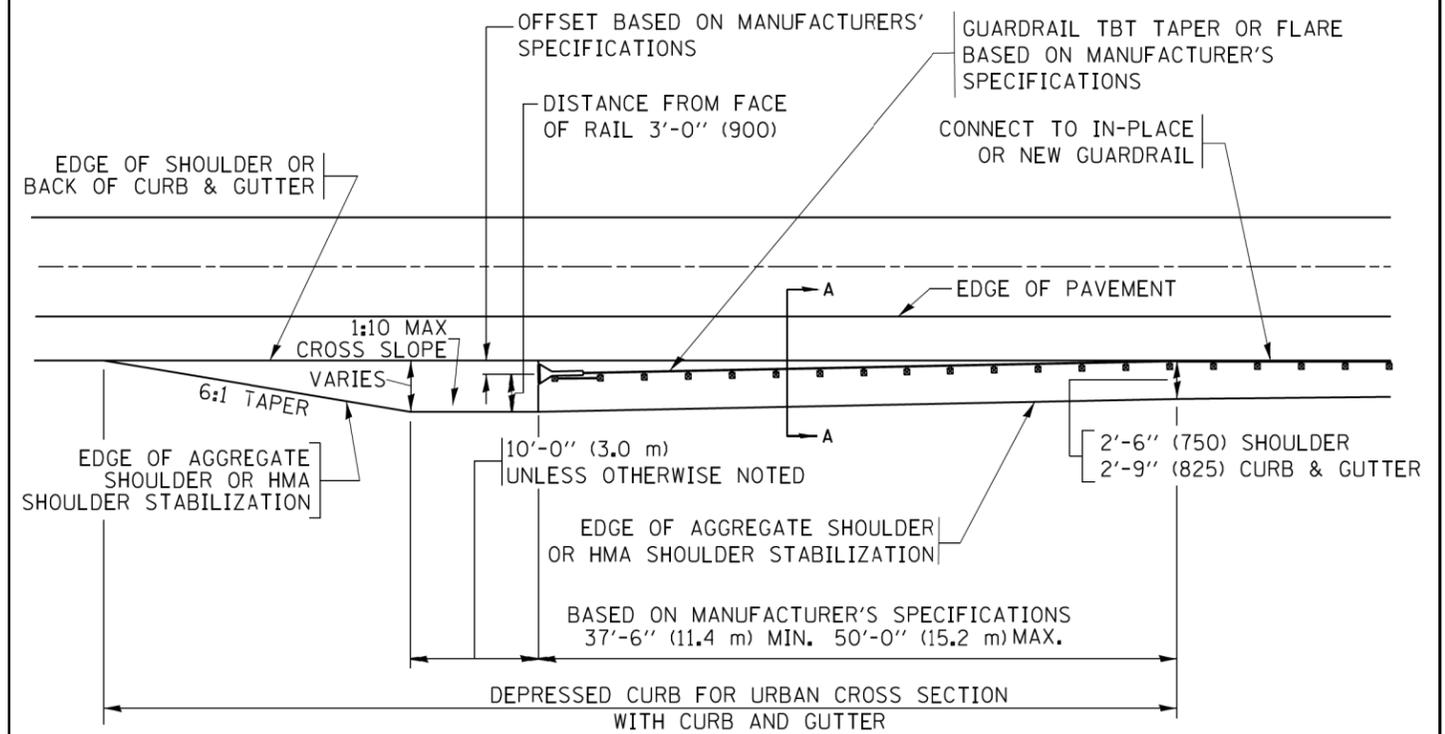
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c:\p\work\p\dot\drivakosgn\d0108315\bc24.dgn	DRAWN -	REVISED - A. ABBAS 03-21-97	REVISED - M. GOMEZ 01-22-01					2843	2014-083B	COOK	30	26
PLOT SCALE = 50.000' / IN.	CHECKED -	REVISED - R. BORO 12-15-09			BD600-06 (BD-24)			CONTRACT NO. 62A28				
PLOT DATE = 12/15/2009	DATE - 03-11-94				SCALE: NONE	SHEET NO. 1 OF 1 SHEETS	STA.	TO STA.	FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT			



SECTION A-A

- NOTES:
1. THE AGGREGATE SHOULDER, 10 (250) OR HMA SHOULDER, 6 (150) (IF REQUIRED) SHALL EXTEND UNDER THE TRAFFIC BARRIER TERMINAL.
 2. "EXISTING" GUARDRAIL REFERS TO CONNECTING TERMINAL SECTION TO GUARD RAILING PRIOR TO THE MIDWEST GUARDRAIL SYSTEM.
 3. THE CONTRACTOR SHALL VERIFY THE TYPE/HEIGHT OF GUARDRAIL IN-PLACE BEFORE ORDERING THE NEW TERMINAL SECTION. COST INCLUDED WITH THE COST OF THE TERMINAL. THE TERMINAL SECTION HEIGHT TO BE PLACED MUST MATCH THE HEIGHT OF THE IN-PLACE GUARDRAIL.

**DETAILS FOR STEEL PLATE BEAM
GUARD RAIL ADJACENT TO CURB AND GUTTER
[FOR ROADWAY SPEED 35 MPH (60 kmh) TO 45 MPH (70 kmh)]**



**DEPRESSED CURB AND GUTTER AND
SHOULDER TREATMENT AT TBT TY. 1 SPL.**

AGGREGATE SHOULDER, 10 (250) WILL BE PAID ACCORDING TO SECTION 481.

HMA SHOULDERS 6 (150) (IF REQUIRED) WILL BE PAID ACCORDING TO SECTION 482.

COMB. CONC. C&G, STEEL PLATE BEAM GUARD RAIL AND TRAFFIC BARRIER TERMINAL, OF THE TYPE SPECIFIED WILL BE PAID FOR SEPARATELY.

TBT = TRAFFIC BARRIER TERMINAL
ALL DIMENSIONS ARE IN INCHES (MILLIMETERS)
UNLESS OTHERWISE SHOWN.

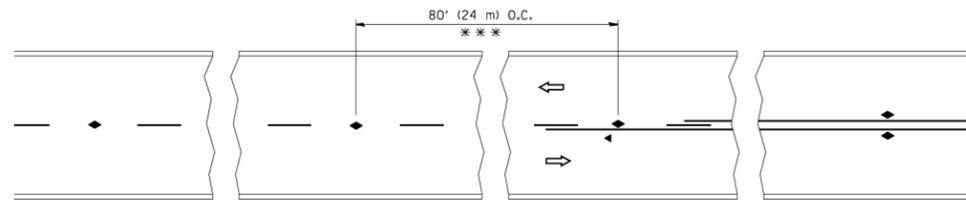
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**DETAILS FOR DEPRESSED CURB & GUTTER AND
SHOULDER TREATMENT AT TBT TY. 1 SPL.**

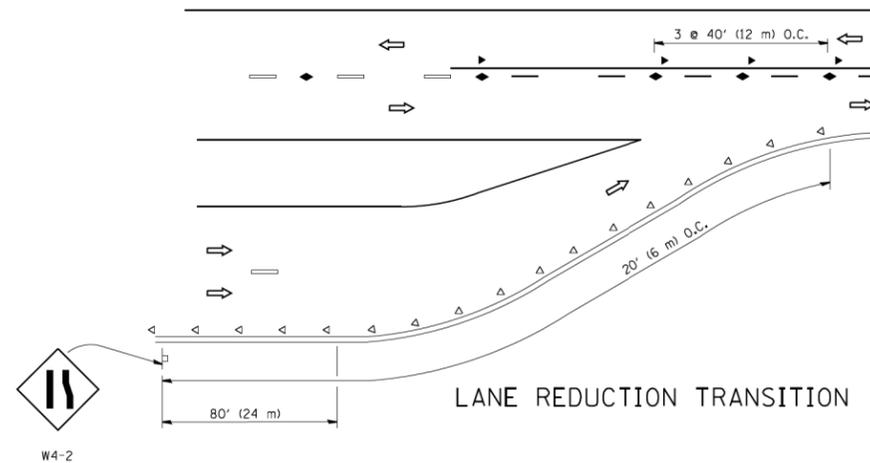
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F.A.D. RTE. 2843	SECTION 2014-083B	COUNTY COOK	TOTAL SHEETS 30	SHEET NO. 27
BD600-10 (BD 34)		CONTRACT NO. 62A28		
ILLINOIS FED. AID PROJECT				

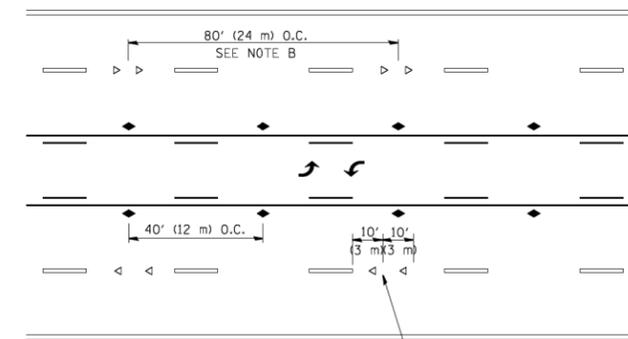


*** REDUCE TO 40' (12 m) O.C. ON CURVES WITH POSTED OR ADVISORY SPEED 45 M.P.H. (70 km/h) OR LESS.

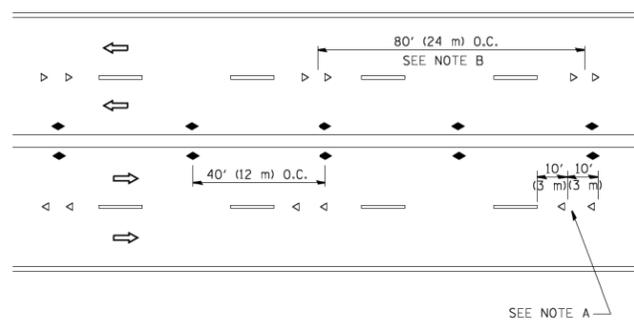
TWO-LANE/TWO-WAY



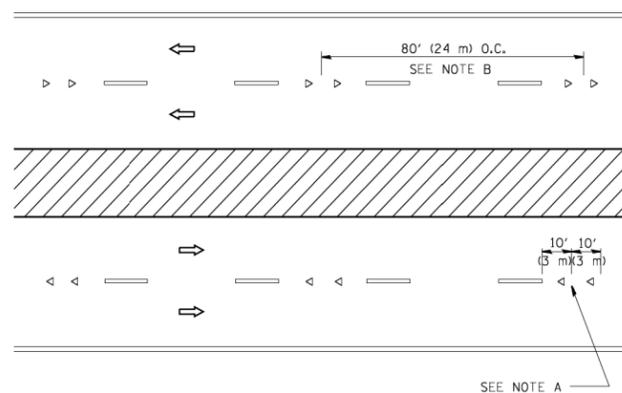
LANE REDUCTION TRANSITION



TWO-WAY LEFT TURN



MULTI-LANE/UNDIVIDED



MULTI-LANE/DIVIDED

GENERAL NOTES

1. MARKERS USED WITH DASHED LINES SHALL BE CENTERED IN THE GAP BETWEEN SEGMENTS.
2. MARKERS USED ADJACENT TO SOLID LINES SHALL BE OFFSET 2 TO 3 (50 TO 75) TOWARD TRAFFIC AS SHOWN.
3. MARKERS THROUGH TANGENTS LESS THAN 500' (150 m) IN LENGTH BETWEEN CURVES SHALL BE INSTALLED AT THE LESSER OF THE TWO CURVE SPACINGS.

SYMBOLS

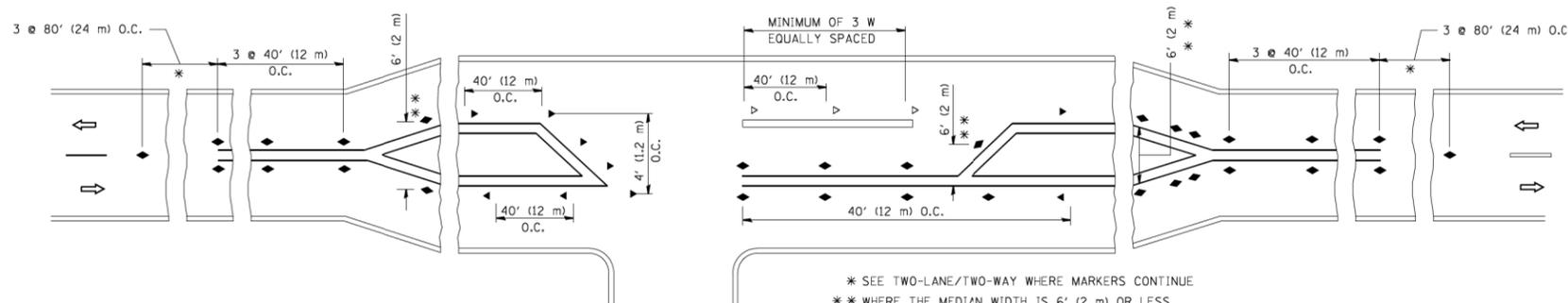
- YELLOW STRIPE
- WHITE STRIPE
- ◀ ONE-WAY AMBER MARKER
- < ONE-WAY CRYSTAL MARKER (W/O)
- ◆ TWO-WAY AMBER MARKER

LANE MARKER NOTES

- A. USE DOUBLE LANE LINE MARKERS SPACED AS SHOWN.
- B. REDUCE TO 40' (12 m) O.C. ON CURVES WHERE ADVISORY SPEEDS ARE 10 M.P.H. (20 km/h) LOWER THAN POSTED SPEEDS.

DESIGN NOTES

1. DOUBLE LANE LINE MARKERS SHALL BE USED UNLESS SPECIFIED OTHERWISE.
2. EXCEPT AS SHOWN ON THE LANE REDUCTION TRANSITION AND FREEWAY EXIT RAMP DETAIL, MARKERS ARE NOT TO BE SPECIFIED ON RIGHT EDGE LINES.
3. THE EXACT MARKER LIMITS, SPACING, AND COLOR SHALL BE INCLUDED IN THE PLANS WHEN STANDARD SPECIFICATIONS ARE NOT BEING USED.
4. MARKERS SHOULD NOT BE USED ALONGSIDE CURBS EXCEPT FOR EXTREMELY SHORT SECTIONS OF CURBS WHERE NOT MORE THAN TWO MARKERS WOULD BE INVOLVED.



LEFT TURN

* SEE TWO-LANE/TWO-WAY WHERE MARKERS CONTINUE
 ** WHERE THE MEDIAN WIDTH IS 6' (2 m) OR LESS USE TWO-WAY MARKERS.

All dimensions are in inches (millimeters) unless otherwise shown.

FILE NAME =	USER NAME = lveysa	DESIGNED -	REVISED - T. RAMMACHER 09-19-94
ca:\pki\work\pki\dot\lveysa\d0108315\tcl1.dgn		DRAWN -	REVISED - T. RAMMACHER 03-12-99
	PLOT SCALE = 50.000' / IN.	CHECKED -	REVISED - T. RAMMACHER 01-06-00
	PLOT DATE = 3/2/2011	DATE -	REVISED - C. JUCIUS 09-09-09

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

TYPICAL APPLICATIONS
 RAISED REFLECTIVE PAVEMENT MARKERS (SNOW-PLOW RESISTANT)

SCALE: NONE SHEET NO. 1 OF 1 SHEETS STA. TO STA.

F.A. D. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2843	2014-083B	COOK	30	28
TC-11		CONTRACT NO. 62A28		
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

ROUTE MARKERS

 FOR U.S. ROUTES
M1-40-2424

 FOR ILLINOIS ROUTES
M1-50-2424

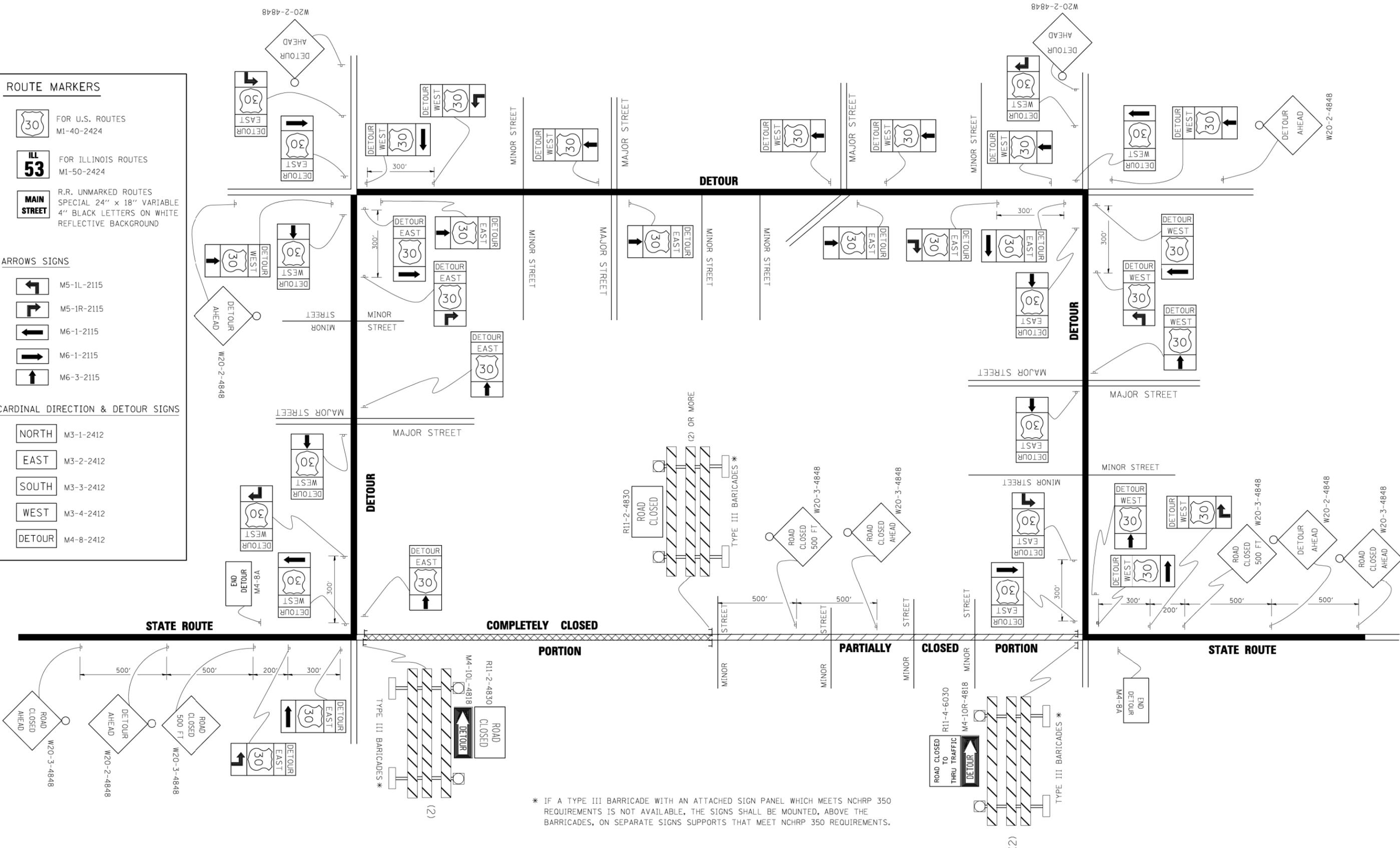
 R.R. UNMARKED ROUTES
SPECIAL 24" x 18" VARIABLE
4" BLACK LETTERS ON WHITE
REFLECTIVE BACKGROUND

ARROWS SIGNS

-  M5-1L-2115
-  M5-1R-2115
-  M6-1-2115
-  M6-1-2115
-  M6-3-2115

CARDINAL DIRECTION & DETOUR SIGNS

-  NORTH M3-1-2412
-  EAST M3-2-2412
-  SOUTH M3-3-2412
-  WEST M3-4-2412
-  DETOUR M4-8-2412



* IF A TYPE III BARRICADE WITH AN ATTACHED SIGN PANEL WHICH MEETS NCHRP 350 REQUIREMENTS IS NOT AVAILABLE, THE SIGNS SHALL BE MOUNTED, ABOVE THE BARRICADES, ON SEPARATE SIGNS SUPPORTS THAT MEET NCHRP 350 REQUIREMENTS.

FILE NAME =	USER NAME = d-ivakosgn	DESIGNED -	REVISED - 10-18-02
c:\p\work\PWID01\DRIVAKOSGN\d0108315\1421.dgn		DRAWN -	REVISED - R. BORO 09-14-09
		PLOT SCALE = 49.9999' / IN.	REVISED -
		CHECKED -	REVISED -
		DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

DETOUR SIGNING FOR CLOSING STATE HIGHWAYS	
SCALE: NONE	SHEET NO. 1 OF 1 SHEETS
STA.	TO STA.

F.A.U. RTE. 2843	SECTION 2014-083B	COUNTY COOK	TOTAL SHEETS 30	SHEET NO. 30
TC-21		CONTRACT NO. 62A28		
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				