

STATE OF ILLINOIS

DEPARTMENT OF TRANSPORTATION

DIVISION OF HIGHWAYS

PLANS FOR PROPOSED
"STATE FUNDS" PROJECT

METROBIKELINK – SHILOH/SCOTT SECTION

PHASE I

SECTION 11-00005-00-BR

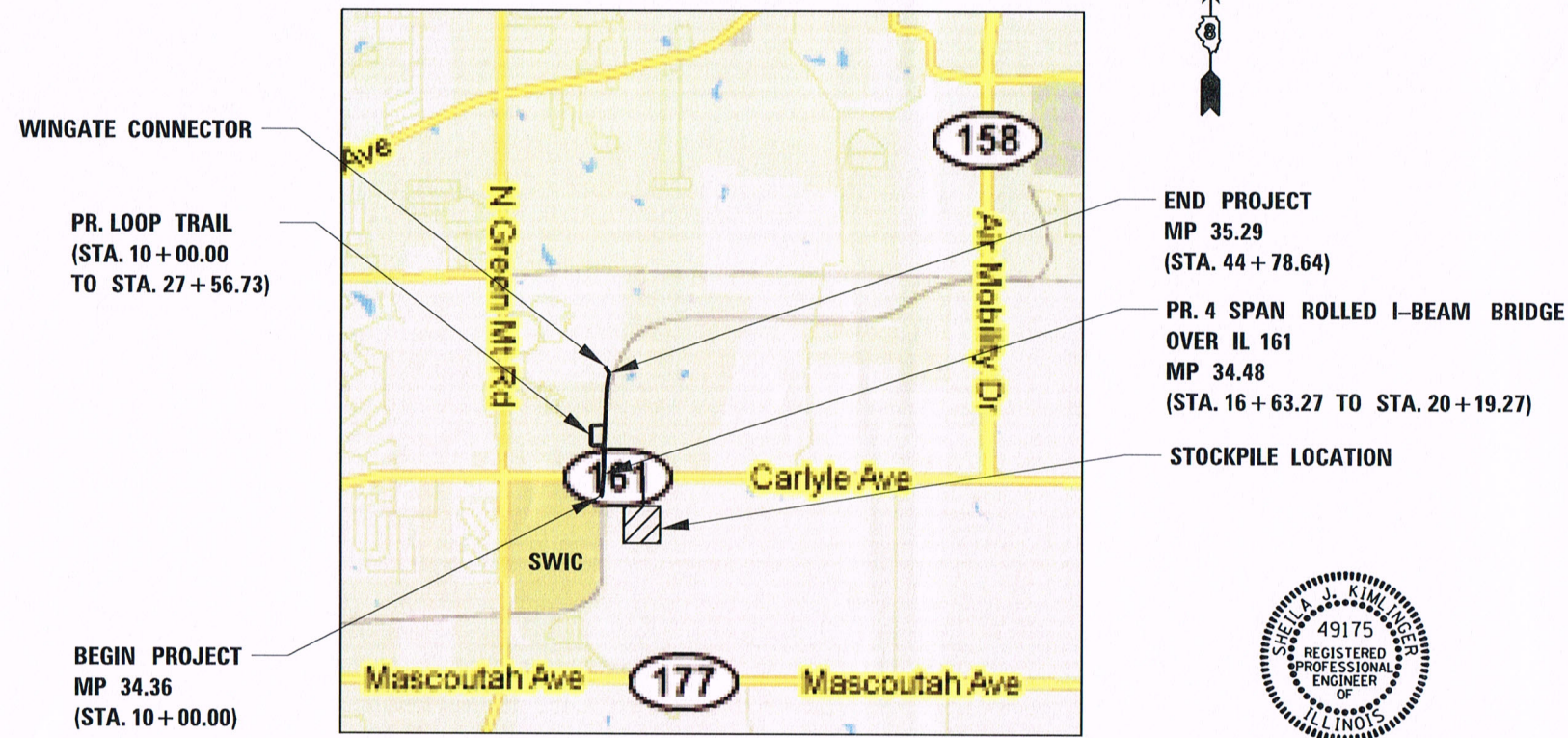
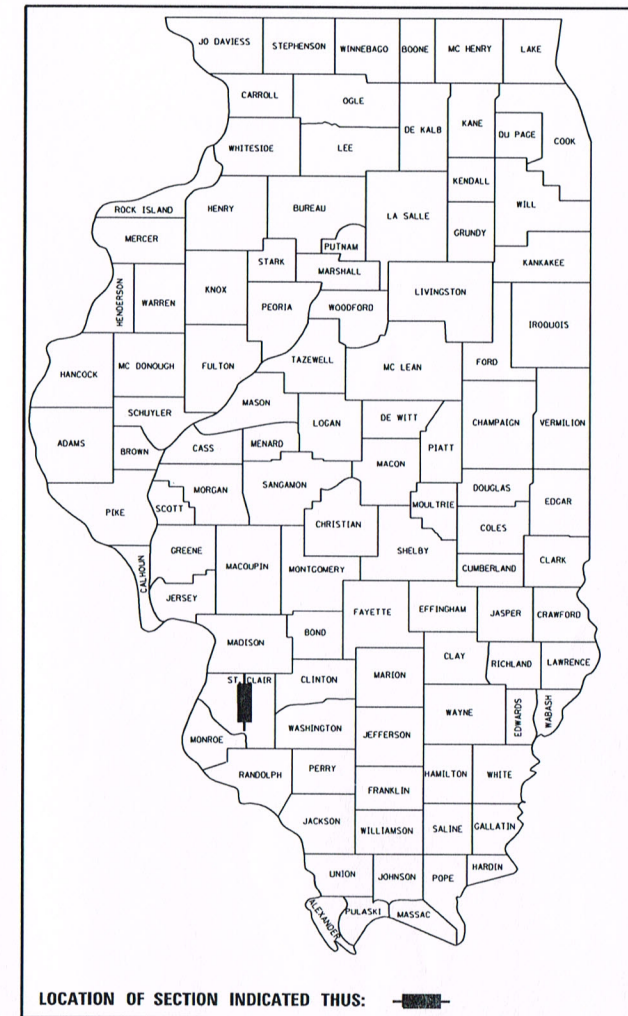
ST. CLAIR COUNTY

C-98-318-12

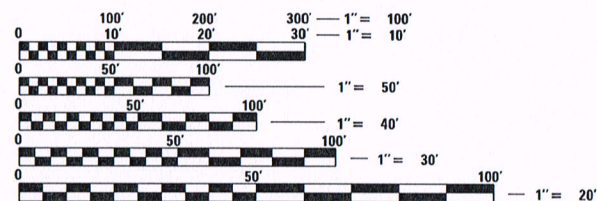
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	11-00005-00-BR	ST. CLAIR	27	1
FED. ROAD DIST. NO.	ILLINOIS			

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ADT IL ROUTE 161 = 21,800 (2011)



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.

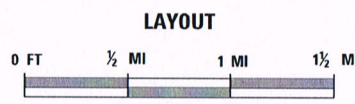
J.U.L.I.E.
JOINT UTILITY LOCATION INFORMATION FOR EXCAVATION
1-800-892-0123
OR 811

BEGIN PROJECT
MP 34.36
(STA. 10 + 00.00)

END PROJECT
MP 35.29
(STA. 44 + 78.64)

PR. 4 SPAN ROLLED I-BEAM BRIDGE
OVER IL 161
MP 34.48
(STA. 16 + 63.27 TO STA. 20 + 19.27)

STOCKPILE LOCATION



GROSS LENGTH = 3,478.64' (0.659 MILES)
NET LENGTH = 3,478.64' (0.659 MILES)



Sheila J. Kimlinger 5/30/13
SHEILA J. KIMLINGER, P.E.
LICENSE NO. 062-049175 EXPIRATION DATE 11-30-2013

ST. CLAIR COUNTY TRANSIT DISTRICT
STATE OF ILLINOIS

APPROVED May 30 2013
Delores Lysakowski
DELORES LYSAKOWSKI
CHAIRPERSON,
ST. CLAIR COUNTY
TRANSIT DISTRICT

PASSED 6-26 2013
[Signature]
DISTRICT 8 ENGINEER
LOCAL ROADS & STREETS

RELEASED FOR
LIMITED REVIEW 6-26 2013
[Signature]
DEPUTY DIRECTOR OF HIGHWAYS
REGION 5 ENGINEER

St Clair County Transit District		Bi-State Development Agency		THOUVENOT, WADE & MOERCHEN, INC. SWANSEA • WATERLOO • EDWARDSVILLE • ST. LOUIS • ST. CHARLES	CORPORATE OFFICE 4940 Old Collinsville Road Swansea, Illinois 62226 Tel: 618.624.4488 Fax: 618.624.6688	 EXCEPTIONAL SERVICE. NOTHING LESS.
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GENERAL

THIS SECTION SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE PLANS; THE ILLINOIS DEPARTMENT OF TRANSPORTATION "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION" ADOPTED JANUARY 1, 2012; AND THE SPECIAL PROVISIONS INCLUDED IN THE PROPOSAL.

ALL REFERENCES TO THE "DEPARTMENT" OR "ENGINEER" IN THE "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION" SHALL BE CONSTRUED TO MEAN ST. CLAIR COUNTY TRANSIT DISTRICT OR ITS AGENT(S).

THE ST. CLAIR COUNTY TRANSIT DISTRICT WILL PROVIDE A REASONABLE NUMBER OF REFERENCE POINTS OR BENCHMARKS AS NEEDED BY THE CONTRACTOR TO CONSTRUCT THE IMPROVEMENTS AS PROPOSED HEREIN.

IT IS NOT WARRANTED THAT THESE PLANS CONTAIN COMPLETE INFORMATION REGARDING EASEMENTS, RESERVATIONS, RESTRICTIONS, RIGHT-OF-WAY, AND OTHER ENCUMBRANCES. FOR COMPLETE INFORMATION, A TITLE OPINION OR COMMITMENT FOR TITLE INSURANCE SHOULD BE OBTAINED AND THOROUGHLY REVIEWED.

THE CONTRACTOR IS RESPONSIBLE FOR CONTACTING THE ENGINEER AT LEAST FORTY-EIGHT (48) HOURS IN ADVANCE PRIOR TO COMMENCEMENT OF ANY CONSTRUCTION ACTIVITIES OR WORK REQUIRING INSPECTION OR APPROVAL BY THE AFFECTED UNITS OF GOVERNMENT.

THE CONTRACTOR SHALL CONFINE HIS OPERATIONS TO THE AREA LOCATED WITHIN THE CONSTRUCTION LIMIT LINES, AS SHOWN PER PLANS. ANY AREA DISTURBED BEYOND THESE LIMITS SHALL BE RESTORED TO ITS ORIGINAL CONDITION AT THE CONTRACTOR'S EXPENSE.

SEE SPECIAL PROVISIONS FOR ALL METROLINK REQUIREMENTS.

TREE REMOVAL

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.

STORM SEWER/CULVERTS

THE TOP OF STRUCTURE ELEVATIONS SHOWN ON THE PLANS, REPRESENT THE FOLLOWING ELEVATION FOR THE VARIOUS CASTINGS/STRUCTURES ASSOCIATED WITH THIS PROJECT:

- TYPE 8 GRATE - FLOW LINE OF GRATE
- TYPE G INLET BOX, STANDARD 610001 - FLOW LINE OF CURB

STRUCTURES

ALL STRUCTURES (B33.48, NORTH STAIRCASE, AND SOUTH STAIRCASE) ARE SHOWN ON THE METROBIKELINK TRAIL PLANS FOR INFORMATION ONLY. SEE APPROPRIATE STRUCTURE PLANS FOR DIMENSIONS, MATERIALS AND ALL OTHER CONSTRUCTION REQUIREMENTS.

PROPERTY OWNER ACCESS

ACCESS MUST BE MAINTAINED TO ALL EXISTING PROPERTIES DURING CONSTRUCTION, UNLESS ARRANGEMENTS ARE MADE IN WRITING BY THE CONTRACTOR WITH THE PROPERTY OWNERS, WITH A COPY TO THE ENGINEER FOR SHORT-TERM CLOSURE.

PAVEMENT

CONTINUOUS PAVING OPERATIONS ON MAIN BIKE TRAIL SHALL BE MAINTAINED AT ALL TIMES DURING THE CONSTRUCTION OF THE HOT-MIX ASPHALT PAVEMENT WITH EXCEPTION OF BRIDGES. NO INTERRUPTIONS FOR SIDE TRAILS WILL BE ALLOWED.

TRAFFIC CONTROL

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 SECTION 701 OF THE LATEST EDITION OF THE IDOT STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION AND THE LATEST EDITION OF THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES.

UTILITIES

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.

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 AT THIS LOCATION PRIOR TO COMMENCEMENT OF CONSTRUCTION. 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.

ANY SUBSURFACE UTILITY WITHIN THE CONSTRUCTION LIMITS IS TO BE VERIFIED FOR ACTIVITY AND ALL ABANDONED UTILITIES ARE TO BE REMOVED. COST INCLUDED IN COST OF EARTH EXCAVATION.

LIST OF UTILITIES

- TELEPHONE - AT&T COMMUNICATIONS - JASON LEHDE
618-346-7292
- ELECTRIC - AMEREN IP - 1-800-892-7715
- CABLE T.V. - CHARTER COMMUNICATIONS - GARY WARREN
618-779-2149
- WATER - ILLINOIS AMERICAN WATER COMPANY - STAN SCOTT
618-239-3254
- GAS - AMEREN IP - 1-800-892-7715
- SANITARY SEWER - CITY OF BELLEVILLE - ROYCE CARLISLE
618-233-7146
- FIBER OPTIC - PAETEC COMMUNICATION
- UNDERGROUND COMMUNICATION - METROLINK

DRAINAGE

EXISTING DITCHES/SWALES WILL NEED TO BE REGRADED/SHAPED TO ENSURE ALL FLOWS ENTER THE PROPER DITCH, CULVERT, OR OTHER DRAINAGE APPURTENANCES.

IT SHOULD BE THE RESPONSIBILITY OF THE CONTRACTOR TO MAINTAIN POSITIVE DRAINAGE DURING VARIOUS STAGES OF CONSTRUCTION. THIS INCLUDES ALL LABOR MATERIALS USED BEYOND WHAT IS SPECIFIED IN THE PLANS. ITEMS SUCH AS TEMPORARY DITCHES AND PIPES DEEMED NECESSARY FOR MAINTAINING DRAINAGE ARE CONSIDERED TO BE THE RESPONSIBILITY OF THE CONTRACTOR AND WILL NOT BE PAID SEPARATELY.

EROSION CONTROL

ALL TEMPORARY AND PERMANENT EROSION CONTROL DEVICES SHALL BE IMPLEMENTED AS SHOWN ON THE EROSION CONTROL SHEETS. 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 BY THE CONTRACTOR AT HIS OR HER EXPENSE.

EROSION AND SEDIMENT CONTROL SHALL BE PERFORMED IN ACCORDANCE WITH THE SECTION 280 OF THE IDOT STANDARD SPECIFICATIONS AND IN ACCORDANCE WITH THE TEMPORARY EROSION CONTROL PLAN AS FOUND IN THE PROJECT PLANS. EROSION AND SEDIMENT CONTROL DEVICES SHALL BE INSTALLED EARLY IN THE CONSTRUCTION STAGES AND BE MAINTAINED FOR THE DURATION OF THE PROJECT AS INDICATED ON THE PLANS AND AS DIRECTED BE THE ENGINEER.

RIPRAP

LAYOUT OF THE SLOPE PROTECTION SYSTEM MAY BE VARIED TO SUIT GROUND CONDITIONS IN THE FIELD AS DIRECTED BY THE ENGINEER.

SEEDING

SEE SPECIAL PROVISIONS FOR SEEDING AND MULCHING REQUIREMENTS. ALL EARTH SURFACES DISTURBED BY CONSTRUCTION OR AS DIRECTED BY THE ENGINEER SHALL BE SEEDED AND MULCHED.

HIGHWAY STANDARDS

- 000001 - 06 Standard Symbols, Abbreviations and Patterns
- 001001 - 02 Areas of Reinforcement Bars
- 001006 Decimal of Inch and Foot
- 280001 - 07 Temporary Erosion Control Systems
- 424001 - 07 Perpendicular Curb Ramps
- 424016 - 01 Mid-Block Curb Ramps for Sidewalks
- 515001 - 03 Name Plate for Bridges
- 542301 - 03 Precast Reinforced Concrete Flared End Section
- 542401 - 01 Metal End Section for Pipe Culverts
- 602301 - 03 Inlet Type A
- 604036 - 02 Grate Type 8
- 610001 - 06 Shoulder Inlet with Curb
- 631026 - 05 Traffic Barrier Terminal Type 5
- 664001 - 02 Chain Link Fence
- 701101 - 03 Off-Road Operations, Multilane, 15' (4.5m) to 24" (600mm) from Pavement Edge
- 701106 - 02 Off-Road Operations, Multilane, More than 15' (4.5m) Away
- 701421 - 05 Lane Closure, Multilane, Day Operations Only,
- 701422 - 05 Lane Closure, Multilane
- 701426 - 05 Lane Closure, Multilane, Intermittent or Moving Operation,
- 701801 - 05 Sidewalk, Corner or Crosswalk Closure
- 701901 - 02 Traffic Control Devices
- 720001 - 01 Sign Panel Mounting Details
- 780001 - 03 Typical Pavement Markings
- 814001 - 02 Handholes

EXISTING METROLINK EMBANKMENT

THE METROLINK TRACKS ARE TO REMAIN OPEN THROUGHOUT CONSTRUCTION. CONTRACTOR IS TO COORDINATE CONSTRUCTION DATES, TIMES AND ACTIVITIES ACCORDING TO METRO STANDARD OPERATING PROCEDURES.

SEE PLANS FOR SPECIFIC LOCATIONS WHERE A TEMPORARY SLOPE OF 1:1 WILL BE ALLOWED FOR CONSTRUCTION OF INLETS. THE EXISTING SOILS WILL ALLOW A 15' MAXIMUM OPEN TRENCH PER DAY. ALL OPEN EXCAVATIONS MUST BE CLOSED/FILLED TO A MINIMUM OF THE EXISTING ADJACENT CONDITIONS AT THE END OF EACH WORK DAY.

SEE PLANS FOR SPECIFIC LOCATIONS WHERE TEMPORARY SHEET PILING IS REQUIRED AT THE BOX CULVERT EXTENSIONS. THE TEMPORARY SHEET PILING MAY REMAIN IN PLACE FOR A MAXIMUM OF 14 DAYS AT EACH LOCATION.

COMMITMENTS

NONE.

PLOTTED BY: jlamdeck PLOT SCALE: 100.0000 "/>

DESIGNED	KMO	REVISED	-
DRAWN	KMO	REVISED	-
CHECKED	SJK	REVISED	-
DATE	-	REVISED	-

THOUVENOT, WADE & MOERCHEN, INC.
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GENERAL NOTES	
PROJECT	JOB NO.
SCALE: NONE	SHEET NO. 1 OF 1 SHEETS
STA.	TO STA.

MetroBikeLink over IL-161 at SWIC		COUNTY	TOTAL SHEETS	SHEET NO.
		ST. CLAIR	127	2
		SEC 11-00005-00-BR		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	

PLOTTED BY: jlamdeck PLOT SCALE: 215.0000 "/>

CODED NO	DESCRIPTION	UNIT	TOTAL QUANTITY	TRAIL	BRIDGE/BARRIER	STAIRS	LIGHTING
20100110	TREE REMOVAL (6 TO 15 UNITS DIAMETER)	UNIT	36	36	-	-	-
20101000	TEMPORARY FENCE	FOOT	1,800	1,800	-	-	-
20200100	EARTH EXCAVATION	CU YD	990	990	-	-	-
20800150	TRENCH BACKFILL	CU YD	85	85	-	-	-
21001000	GEOTECHNICAL FABRIC FOR GROUND STABILIZATION	SQ YD	3,962	3,963	-	-	-
28000305	TEMPORARY DITCH CHECKS	FOOT	170	170	-	-	-
28000315	AGGREGATE DITCH CHECKS	TON	7	7	-	-	-
28000400	PERIMETER EROSION BARRIER	FOOT	3,425	3,425	-	-	-
28000500	INLET AND PIPE PROTECTION	EACH	13	13	-	-	-
28100105	STONE RIPRAP, CLASS A3	SQ YD	1,089	1,089	-	-	-
28100107	STONE RIPRAP, CLASS A4	SQ YD	275	275	-	-	-
28200200	FILTER FABRIC	SQ YD	1,364	1,364	-	-	-
35102000	AGGREGATE BASE COURSE, TYPE B 8"	SQ YD	5,858	5,858	-	-	-
40600100	BITUMINOUS MATERIALS (PRIME COAT)	GALLON	2,197	2,197	-	-	-
40603310	HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N50	TON	646	646	-	-	-
42001300	PROTECTIVE COAT	SQ YD	137	-	137	-	-
42400100	PORTLAND CEMENT CONCRETE SIDEWALK 4 INCH	SQ FT	3,960	3,960	-	-	-
42400800	DETECTABLE WARNINGS	SQ FT	12	12	-	-	-
44000600	SIDEWALK REMOVAL	SQ FT	80	80	-	-	-
44004000	PAVED DITCH REMOVAL	FOOT	51	51	-	-	-
44004250	PAVED SHOULDER REMOVAL	SQ YD	88	88	-	-	-
50105220	PIPE CULVERT REMOVAL	FOOT	226	226	-	-	-
50200100	STRUCTURE EXCAVATION	CU YD	227	-	138	89	-
50200450	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL FOR STRUCTURES	CU YD	85	85	-	-	-
50300225	CONCRETE STRUCTURES	CU YD	354.8	-	250.1	104.7	-
50300280	CONCRETE ENCASEMENT	CU YD	6.4	-	6.4	-	-
50300285	FORM LINER TEXTURED SURFACE	SQ FT	4,729	-	2,716	2,013	-
50500105	FURNISHING AND ERECTING STRUCTURAL STEEL	L SUM	1	-	1	-	-
50700105	TREATED TIMBER	F.B.M.	14,130	-	14,310	-	-
50800205	REINFORCEMENT BARS, EPOXY COATED	POUND	30,220	-	23,410	6,810	-
51100100	SLOPE WALL 4 INCH	SQ YD	182	-	182	-	-
51201600	FURNISHING STEEL PILES HP12X53	FOOT	1,044	-	1,044	-	-
51202305	DRIVING PILES	FOOT	1,044	-	1,044	-	-
51203600	TEST PILE STEEL HP12X53	EACH	5	-	5	-	-
51204650	PILE SHOES	EACH	18	-	18	-	-
51500100	NAME PLATES	EACH	1	-	1	-	-
52100030	ELASTOMERIC BEARING ASSEMBLY, TYPE III	EACH	4	-	4	-	-
52100500	ANCHOR BOLTS, 1/2"	EACH	40	-	40	-	-
52100505	ANCHOR BOLTS, 5/8"	EACH	6	-	6	-	-
52100530	ANCHOR BOLTS, 1 1/4"	EACH	6	-	6	-	-

DESIGNED	KMO	REVISED	-
DRAWN	KMO	REVISED	-
CHECKED	SJK	REVISED	-
DATE	-	REVISED	-

THOUVENOT, WADE & MOERCHEN, INC.
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 SWANSEA • WATERLOO • EDWARDSVILLE • ST. LOUIS • ST. CHARLES



SUMMARY OF QUANTITIES	
PROJECT	JOB NO.
SCALE: NONE	TO STA.
SHEET NO. 1 OF 3 SHEETS	STA.

MetroBikeLink over IL-161 at SWIC		COUNTY	TOTAL SHEETS	SHEET NO.
		ST. CLAIR	127	3
SEC 11-00005-00-BR				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

CODED NO	DESCRIPTION	UNIT	TOTAL QUANTITY	TRAIL	BRIDGE/BARRIER	STAIRS	LIGHTING
54010402	PRECAST CONCRETE BOX CULVERTS 4' X 2'	FOOT	120	120	-	-	-
542A0223	PIPE CULVERTS, CLASS A, TYPE 1 18"	FOOT	48	48	-	-	-
542A0247	PIPE CULVERTS, CLASS A, TYPE 1 42"	FOOT	48	48	-	-	-
542D0217	PIPE CULVERTS, CLASS D, TYPE 1 12"	FOOT	157	157	-	-	-
542D0223	PIPE CULVERTS, CLASS D, TYPE 1 18"	FOOT	70	70	-	-	-
54213663	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 18"	EACH	2	2	-	-	-
54213687	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 42"	EACH	6	6	-	-	-
54215547	METAL END SECTIONS 12"	EACH	8	8	-	-	-
54215553	METAL END SECTIONS 18"	EACH	4	4	-	-	-
54248510	CONCRETE COLLAR	CU YD	6.2	6.2	-	-	-
59100100	GEOCOMPOSITE WALL DRAIN	SQ YD	41	-	41	-	-
60100915	PIPE DRAINS 6"	FOOT	52	52	-	-	-
60236200	INLETS, TYPE A, TYPE 8 GRATE	EACH	5	5	-	-	-
61000335	TYPE G INLET BOX, STANDARD 610001	EACH	1	1	-	-	-
63100070	TRAFFIC BARRIER TERMINAL, TYPE 5	EACH	1	-	1	-	-
63200310	GUARDRAIL REMOVAL	FOOT	137	-	137	-	-
66400105	CHAIN LINK FENCE, 4'	FOOT	1,562	1,562	-	-	-
67100100	MOBILIZATION	L SUM	1	-	-	-	-
72000100	SIGN PANEL - TYPE 1	SQ FT	52	52	-	-	-
73000100	WOOD SIGN SUPPORT	FOOT	200	200	-	-	-
* 78001110	PAINT PAVEMENT MARKING - LINE 4"	FOOT	5,160	5,160	-	-	-
* 78001150	PAINT PAVEMENT MARKING - LINE 12"	FOOT	38	38	-	-	-
* 81028310	UNDERGROUND CONDUIT, PVC, 3/4" DIA.	FOOT	584	-	-	-	584
* 81028320	UNDERGROUND CONDUIT, PVC, 1" DIA.	FOOT	116	-	-	-	116
* 81028340	UNDERGROUND CONDUIT, PVC, 1 1/2" DIA.	FOOT	435	-	-	-	435
* 81100200	CONDUIT ATTACHED TO STRUCTURE, 3/4" DIA., GALVANIZED STEEL	FOOT	12	-	-	-	12
* 81100300	CONDUIT ATTACHED TO STRUCTURE, 1" DIA., GALVANIZED STEEL	FOOT	398	-	-	-	398
* 81100500	CONDUIT ATTACHED TO STRUCTURE, 1 1/2" DIA., GALVANIZED STEEL	FOOT	6	-	-	-	6
* 81200200	CONDUIT EMBEDDED IN STRUCTURE, 3/4" DIA., PVC	FOOT	420	-	-	-	420
* 81200210	CONDUIT EMBEDDED IN STRUCTURE, 1" DIA., PVC	FOOT	14	-	-	-	14
* 81300420	JUNCTION BOX, STAINLESS STEEL, ATTACHED TO STRUCTURE, 10"X8"X6"	EACH	5	-	-	-	5
* 81300610	JUNCTION BOX, STAINLESS STEEL, ATTACHED TO STRUCTURE, 14"X12"X6"	EACH	2	-	-	-	2
* 81400700	HANDHOLE, PORTLAND CEMENT CONCRETE	EACH	4	-	-	-	4
* 81702110	ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 10	FOOT	3,158	-	-	-	3,158
* 81702130	ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 6	FOOT	980	-	-	-	980
* 81702140	ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 4	FOOT	1,020	-	-	-	1,020
Z0022800	FENCE REMOVAL	FOOT	10	10	-	-	-
Z0046304	PIPE UNDERDRAINS FOR STRUCTURES 4"	FOOT	75	-	75	-	-
Z0048665	RAILROAD PROTECTIVE LIABILITY INSURANCE	L SUM	1	-	-	-	-

* SPECIALTY ITEMS

PLOTTED BY: jlamdeck
 FILE NAME: I10514-500.dgn
 PLOT SCALE: 215.0000
 PLOT DATE: 6/24/2013 6:33:33 AM

DESIGNED	KMO	REVISED	-
DRAWN	KMO	REVISED	-
CHECKED	SJK	REVISED	-
DATE	-	REVISED	-

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SUMMARY OF QUANTITIES			
PROJECT		JOB NO.	
SCALE: NONE	SHEET NO. 2 OF 3 SHEETS	STA.	TO STA.

MetroBikeLink over IL-161 at SWIC			COUNTY	TOTAL SHEETS	SHEET NO.
			ST. CLAIR	127	4
			SEC 11-00005-00-BR		
FED. ROAD DIST. NO.			ILLINOIS	FED. AID PROJECT	

CODED NO	DESCRIPTION	UNIT	TOTAL QUANTITY	TRAIL	BRIDGE/BARRIER	STAIRS	LIGHTING
K0036120	MULCH PLACEMENT 4"	SQ YD	120	120	-	-	-
X2040805	FURNISHED EXCAVATION, SPECIAL	CU YD	22,810	22,810	-	-	-
X2501000	SEEDING, CLASS 2 (SPECIAL)	ACRE	0.75	0.75	-	-	-
X2501010	SEEDING, CLASS 2 (MODIFIED)	ACRE	12.5	12.5	-	-	-
X4240420	PORTLAND CEMENT CONCRETE SIDEWALK 4 INCH, SPECIAL	SQ FT	195	195	-	-	-
X6026050	SANITARY MANHOLES TO BE ADJUSTED	EACH	1	1	-	-	-
X6640298	CHAIN LINK FENCE (SPECIAL)	FOOT	702	702	-	-	-
X6640300	CHAIN LINK FENCE REMOVAL	FOOT	1,268	1,268	-	-	-
X7010216	TRAFFIC CONTROL AND PROTECTION, (SPECIAL)	L SUM	1	-	-	-	-
	REMOVE & REINSTALL PRECAST CONCRETE BOX CULVERT END SECTION	EACH	5	5	-	-	-
X0321865	ANTI-GRAFFITI PROTECTION SYSTEM	SQ FT	8,437	-	6,176	2,261	-
	COMPACTED CA-7 BACKFILL	CU YD	96	-	66	30	-
X5091730	BRIDGE FENCE RAILING, SPECIAL	FOOT	714	-	714	-	-
X5091765	PIPE HANDRAIL, SPECIAL	FOOT	185	-	-	185	-
	CAP BLOCKS	EACH	26	-	10	16	-
*	INSTALL PIER MOUNT LUMINAIRE	EACH	18	-	-	-	18
*	PIER ACCENT FIXTURE	EACH	3	-	-	-	3
*	LOGO LUMINAIRE	EACH	10	-	-	-	10
*	STEP LIGHT	EACH	28	-	-	-	28
*	LIGHTING CONTROLLER, RACK MOUNTED, 240VOLT, 100AMP, MODIFIED	EACH	1	-	-	-	1
*	X8040102 ELECTRIC SERVICE INSTALLATION, SPECIAL	EACH	1	-	-	-	1
XX005431	LOCATING UNDERGROUND UTILITIES	EACH	4	-	-	-	-
XX001532	PROJECT SIGN	EACH	1	-	-	-	-
	AGGREGATE SHOULDERS, TYPE B 2"	SQ YD	738	738	-	-	-
	SIGN PANEL, (SPECIAL)	EACH	6	-	-	6	-
	REMOVABLE PIPE BOLLARD	EACH	2	2	-	-	-
	6" DIAMETER PIPE BOLLARD, CONCRETE FILLED	EACH	4	4	-	-	-
Z0058000	SANITARY SEWER, SPECIAL	FOOT	100	100	-	-	-
Z0067700	STEEL CASING 20"	FOOT	60	60	-	-	-

* SPECIALTY ITEMS

PLOTTED BY: jlamdeck PLOT SCALE: 215.0000 1/4" = 1" PLOT DATE: 6/24/2013 6:33:55 AM
 FILE NAME: I10514-500.dgn

DESIGNED	KMO	REVISED	-
DRAWN	KMO	REVISED	-
CHECKED	SJK	REVISED	-
DATE	-	REVISED	-

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SUMMARY OF QUANTITIES			
SCALE:	PROJECT	JOB NO.	TO STA.
NONE	SHEET NO. 3 OF 3 SHEETS	STA.	TO STA.

MetroBikeLink over IL-161 at SWIC		COUNTY	TOTAL SHEETS	SHEET NO.
		ST. CLAIR	127	5
SEC 11-00005-00-BR				
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

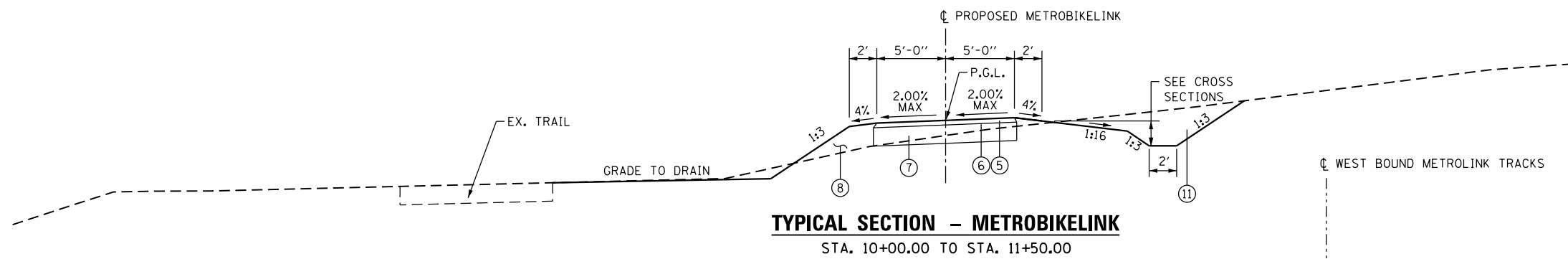
LEGEND

- ① EXISTING METROLINK TRACK
- ② EXISTING METROLINK BALLAST
- ③ EXISTING METROLINK SUB-BALLAST
- ④ EXISTING METROLINK EMBANKMENT
- ⑤ PROPOSED HOT-MIX-ASPHALT SURFACE COURSE, 2"
- ⑥ PROPOSED BITUMINOUS MATERIALS (PRIME COAT)
- ⑦ PROPOSED AGGREGATE BASE COURSE, TYPE B, 8"
- ⑧ PROPOSED EMBANKMENT
- ⑨ PROPOSED SLOPE STEPS
- ⑩ PROPOSED FENCE
- ⑪ PROPOSED EARTH EXCAVATION

NOTE: VERTICAL SCALE IS TWICE THE HORIZONTAL SCALE

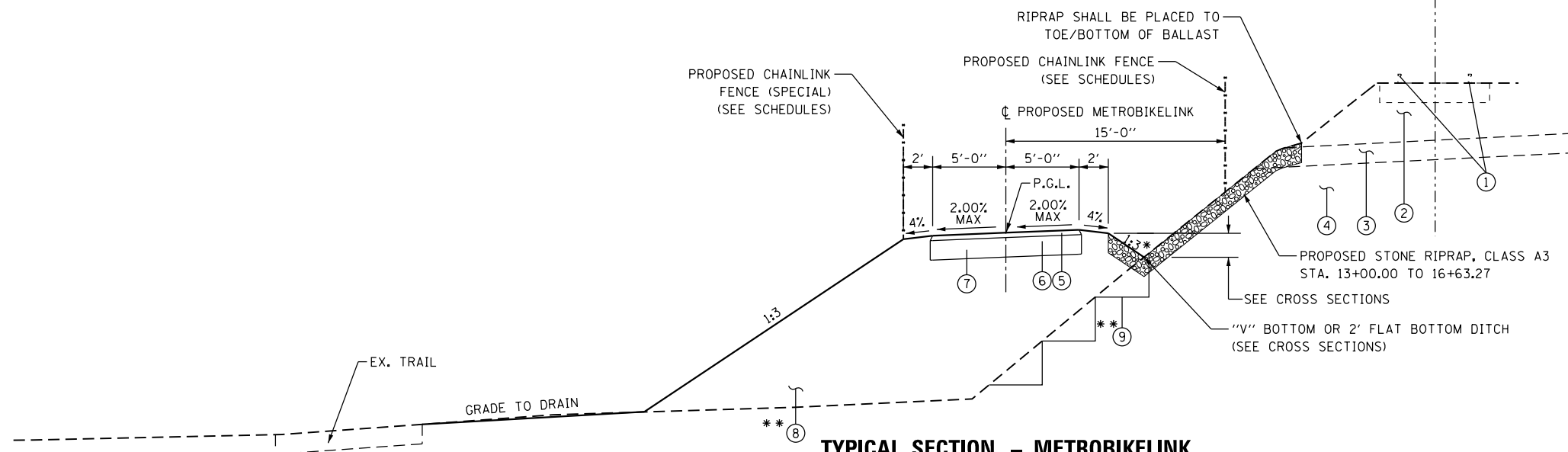
SUPERELEVATION TRANSITION TABLE

10+00.00	2.00 %	2.00 %
16+43.60	2.00 %	2.00 %
16+53.60	0.00 %	0.00 %
20+28.93	0.00 %	0.00 %
20+38.93	2.00 %	2.00 %
32+00.00	2.00 %	2.00 %
33+00.00	2.00 %	2.00 %
44+78.64	2.00 %	2.00 %



TYPICAL SECTION - METROBIKELINK

STA. 10+00.00 TO STA. 11+50.00

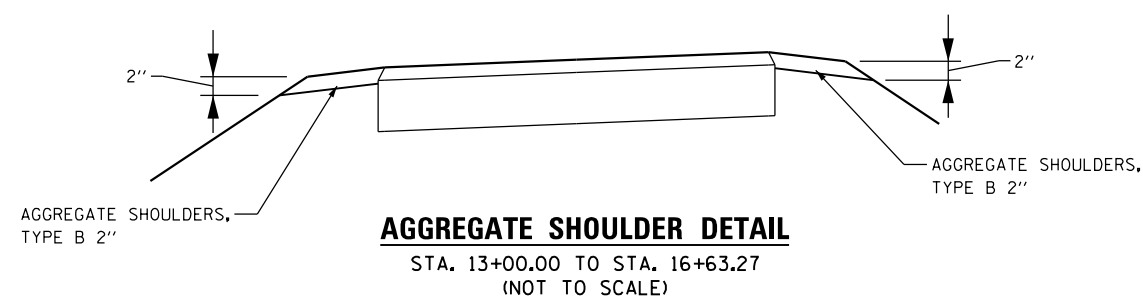


TYPICAL SECTION - METROBIKELINK

STA. 11+50.00 TO STA. 16+63.27

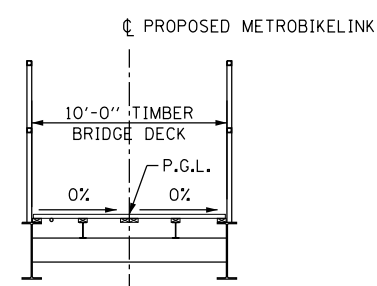
* 1:3 - STA. 11+50.00 TO STA. 16+00.00
SLOPE VARIES (1:3 TO 1:6) - STA. 16+00.00 TO 16+63.27

** SEE EMBANKMENT SLOPE STEPS AND GRID REINFORCEMENT DETAIL SHEET



AGGREGATE SHOULDER DETAIL

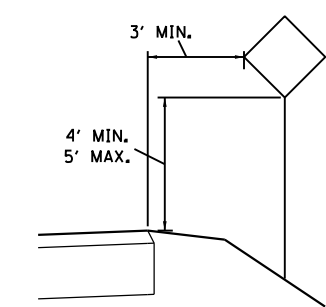
STA. 13+00.00 TO STA. 16+63.27
(NOT TO SCALE)



TYPICAL SECTION - METROBIKELINK

STA. 16+63.27 TO STA. 20+19.27

(SEE BRIDGE PLANS FOR DETAILS)



SIGN PLACEMENT

HOT-MIX-ASPHALT MIXTURE REQUIREMENTS	
MIXTURE USE	SURFACE
AC/PG	PG64-22
RAP %	20
DESIGN AIR VOIDS	4.0% @ Ndes = 50
MIX COMPOSITION (GRADUATION MIXTURE)	IL 9.5
FRICTION AGG	MIXTURE "C"

PLOT SCALE: 10,0000' / IN. PLOT DATE: 6/19/2013 10:56:57 AM

DESIGNED	KMO	REVISED	-
DRAWN	KMO	REVISED	-
CHECKED	SJK	REVISED	-
DATE	-	REVISED	-

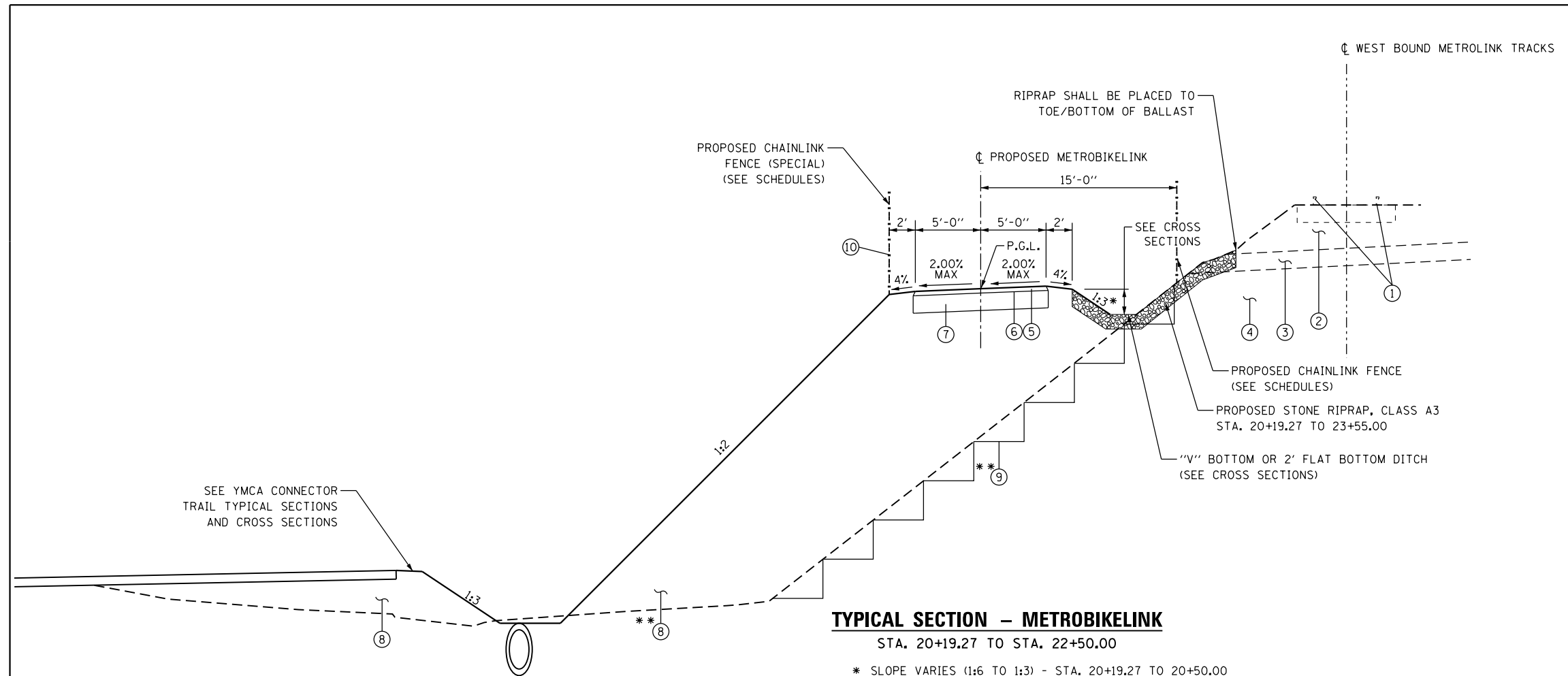
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TYPICAL SECTIONS - METROBIKELINK	
PROJECT	JOB NO.
SCALE: NONE	SHEET NO. 1 OF 7 SHEETS
STA. 10+00.00 TO STA. 20+19.27	

MetroBikeLink over IL-161 at SWIC		COUNTY	TOTAL SHEETS	SHEET NO.
		ST. CLAIR	127	6
		SEC 11-00005-00-BR		
		FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT

PLOTTED BY: jlamdeck
 PLOT SCALE: 10.0000' / in.
 PLOT DATE: 6/19/2013 11:51:06 AM
 FILE NAME: 110514-tp2.dgn

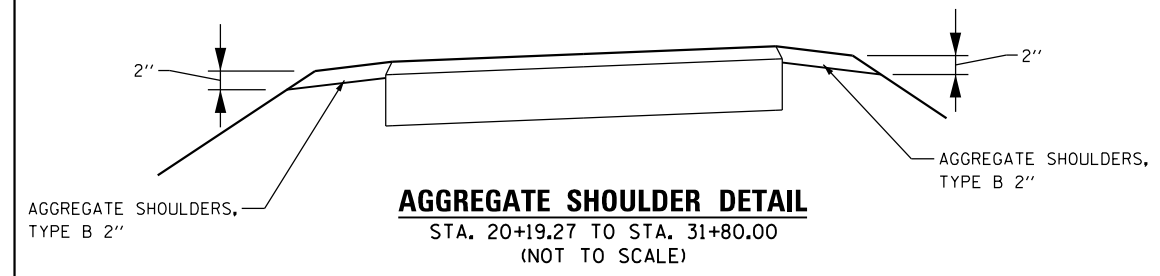


TYPICAL SECTION - METROBIKELINK

STA. 20+19.27 TO STA. 22+50.00

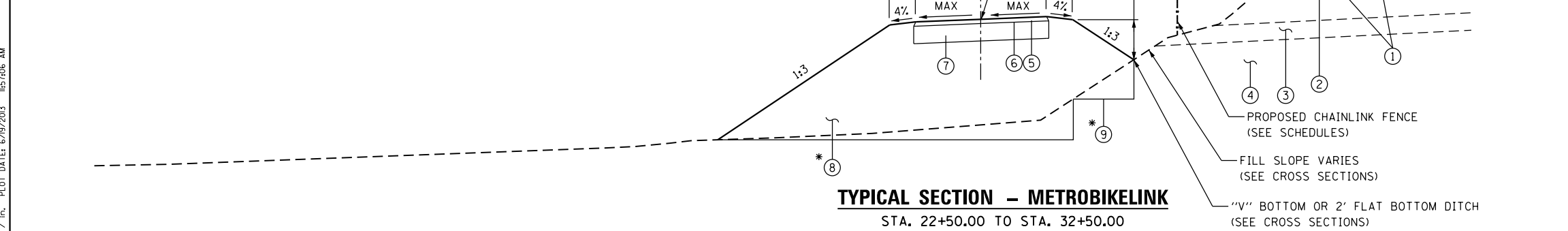
* SLOPE VARIES (1:6 TO 1:3) - STA. 20+19.27 TO 20+50.00
 1:3 - STA. 20+50.00 TO STA. 22+50.00

** SEE EMBANKMENT SLOPE STEPS AND GRID REINFORCEMENT DETAIL SHEET



AGGREGATE SHOULDER DETAIL

STA. 20+19.27 TO STA. 31+80.00
(NOT TO SCALE)



TYPICAL SECTION - METROBIKELINK

STA. 22+50.00 TO STA. 32+50.00

* SEE EMBANKMENT SLOPE STEPS AND GRID REINFORCEMENT DETAIL SHEET

LEGEND

- ① EXISTING METROLINK TRACK
- ② EXISTING METROLINK BALLAST
- ③ EXISTING METROLINK SUB-BALLAST
- ④ EXISTING METROLINK EMBANKMENT
- ⑤ PROPOSED HOT-MIX-ASPHALT SURFACE COURSE, 2"
- ⑥ PROPOSED BITUMINOUS MATERIALS (PRIME COAT)
- ⑦ PROPOSED AGGREGATE BASE COURSE, TYPE B, 8"
- ⑧ PROPOSED EMBANKMENT
- ⑨ PROPOSED SLOPE STEPS
- ⑩ PROPOSED FENCE
- ⑪ PROPOSED EARTH EXCAVATION

NOTE: VERTICAL SCALE IS TWICE THE HORIZONTAL SCALE

SUPERELEVATION TRANSITION TABLE

10+00.00	2.00 %	2.00 %
16+43.60	2.00 %	2.00 %
16+53.60	0.00 %	0.00 %
20+28.93	0.00 %	0.00 %
20+38.93	2.00 %	2.00 %
32+00.00	2.00 %	2.00 %
33+00.00	2.00 %	2.00 %
44+78.64	2.00 %	2.00 %

HOT-MIX-ASPHALT MIXTURE REQUIREMENTS

MIXTURE USE	SURFACE
AC/PG	PG64-22
RAP %	20
DESIGN AIR VOIDS	4.0% @ Ndes = 50
MIX COMPOSITION (GRADUATION MIXTURE)	IL 9.5
FRICITION AGG	MIXTURE "C"

DESIGNED	KMO	REVISED	-
DRAWN	KMO	REVISED	-
CHECKED	SJK	REVISED	-
DATE	-	REVISED	-

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TYPICAL SECTIONS - METROBIKELINK

PROJECT	JOB NO.
SCALE: NONE	SHEET NO. 2 OF 7 SHEETS
STA. 20+19.27 TO STA. 32+50.00	

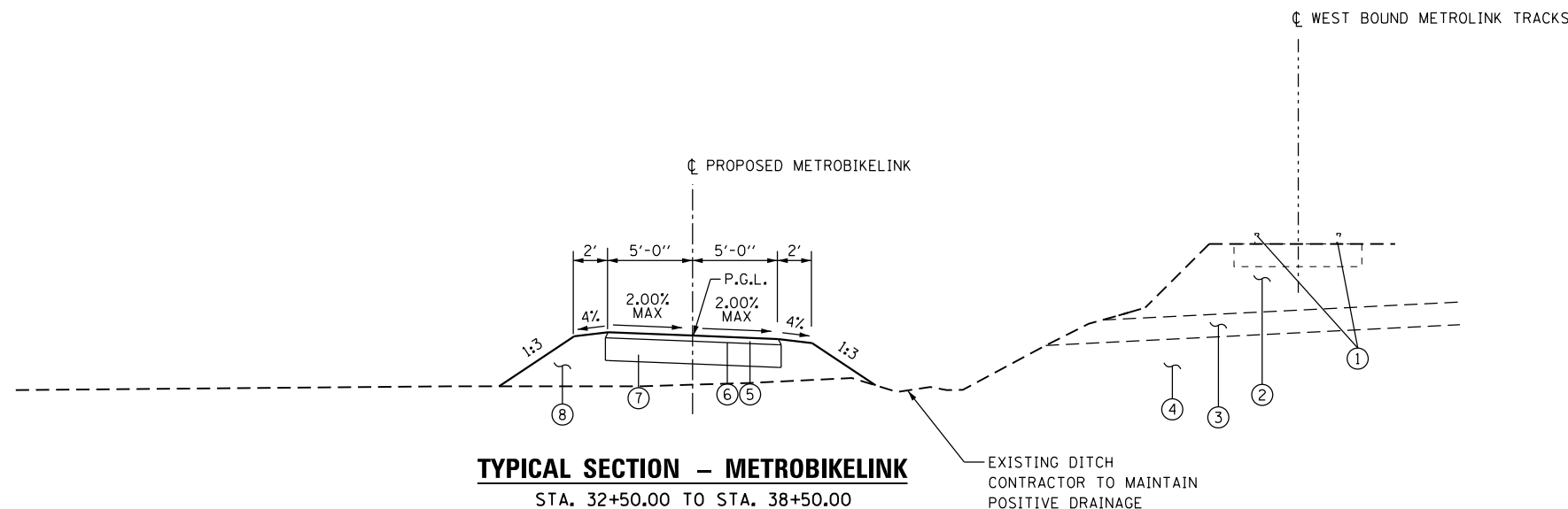
MetroBikeLink over IL-161 at SWIC

COUNTY	TOTAL SHEETS	SHEET NO.
ST. CLAIR	127	7
SEC 11-00005-00-BR		
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT		

LEGEND

- ① EXISTING METROLINK TRACK
- ② EXISTING METROLINK BALLAST
- ③ EXISTING METROLINK SUB-BALLAST
- ④ EXISTING METROLINK EMBANKMENT
- ⑤ PROPOSED HOT-MIX-ASPHALT SURFACE COURSE, 2"
- ⑥ PROPOSED BITUMINOUS MATERIALS (PRIME COAT)
- ⑦ PROPOSED AGGREGATE BASE COURSE, TYPE B, 8"
- ⑧ PROPOSED EMBANKMENT
- ⑨ PROPOSED SLOPE STEPS
- ⑩ PROPOSED FENCE
- ⑪ PROPOSED EARTH EXCAVATION

NOTE: VERTICAL SCALE IS TWICE THE HORIZONTAL SCALE

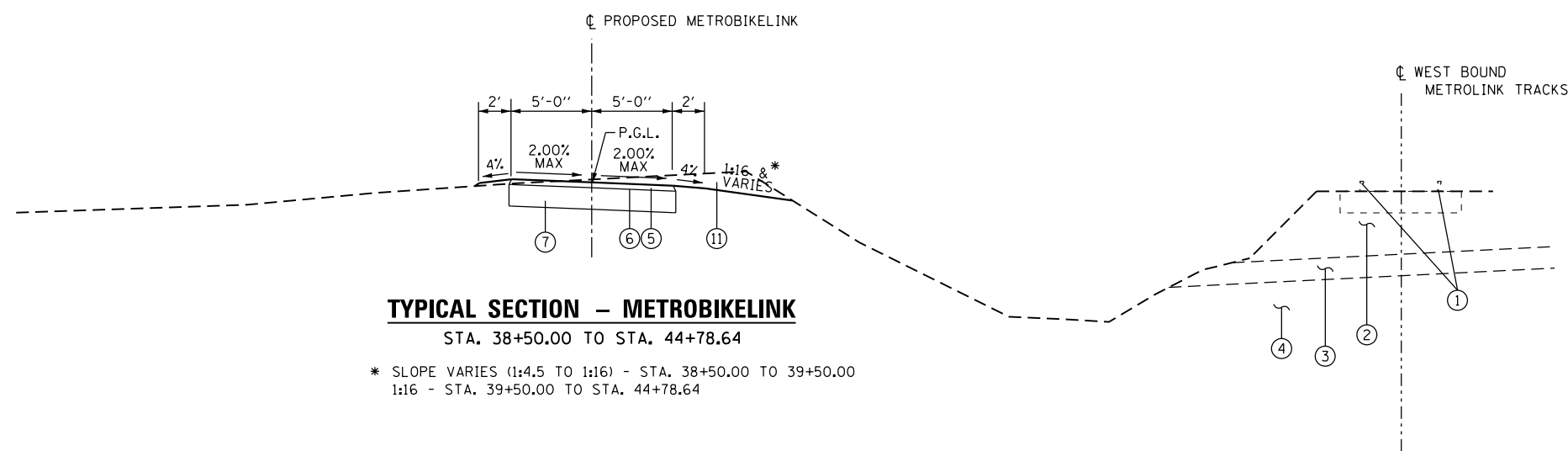


TYPICAL SECTION - METROBIKELINK

STA. 32+50.00 TO STA. 38+50.00

SUPERELEVATION TRANSITION TABLE

10+00.00	2.00 %	2.00 %
16+43.60	2.00 %	2.00 %
16+53.60	0.00 %	0.00 %
20+28.93	0.00 %	0.00 %
20+38.93	2.00 %	2.00 %
32+00.00	2.00 %	2.00 %
33+00.00	2.00 %	2.00 %
44+78.64	2.00 %	2.00 %



TYPICAL SECTION - METROBIKELINK

STA. 38+50.00 TO STA. 44+78.64

* SLOPE VARIES (1:4.5 TO 1:16) - STA. 38+50.00 TO 39+50.00
1:16 - STA. 39+50.00 TO STA. 44+78.64

HOT-MIX-ASPHALT MIXTURE REQUIREMENTS	
MIXTURE USE	SURFACE
AC/PG	PG64-22
RAP %	20
DESIGN AIR VOIDS	4.0% @ Ndes = 50
MIX COMPOSITION (GRADUATION MIXTURE)	IL 9.5
FRICTION AGG	MIXTURE "C"

PLOT DATE: 6/19/2013 10:51:44 AM
PLOT SCALE: 10.0000' / 1" FILE NAME: 110514-tp3.dgn

DESIGNED	KMO	REVISED	-
DRAWN	KMO	REVISED	-
CHECKED	SJK	REVISED	-
DATE	-	REVISED	-

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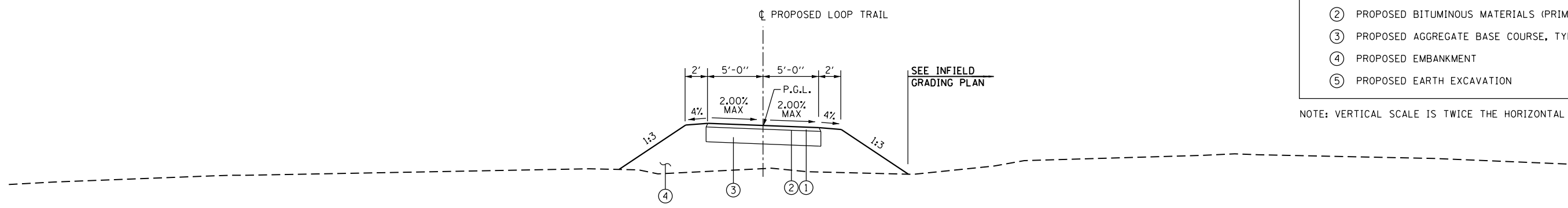
TYPICAL SECTIONS - METROBIKELINK	
PROJECT	JOB NO.
SCALE: NONE	SHEET NO. 3 OF 7 SHEETS
STA. 32+50.00 TO STA. XX+XX.XX	

MetroBikeLink over IL-161 at SWIC		COUNTY	TOTAL SHEETS	SHEET NO.
		ST. CLAIR	127	8
		SEC 11-00005-00-BR		
		FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT	

LEGEND

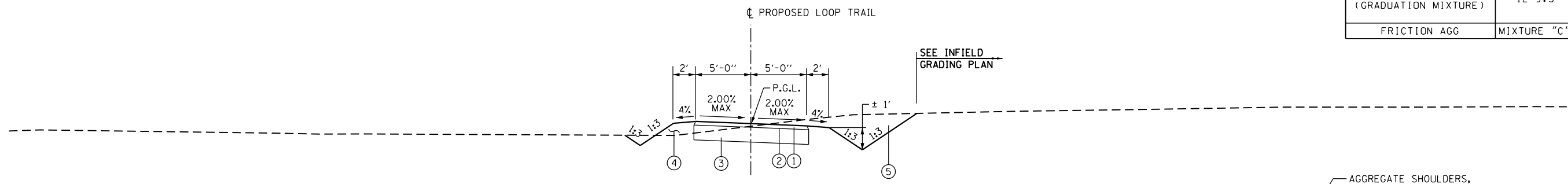
- ① PROPOSED HOT-MIX-ASPHALT SURFACE COURSE, 2"
- ② PROPOSED BITUMINOUS MATERIALS (PRIME COAT)
- ③ PROPOSED AGGREGATE BASE COURSE, TYPE B, 8"
- ④ PROPOSED EMBANKMENT
- ⑤ PROPOSED EARTH EXCAVATION

NOTE: VERTICAL SCALE IS TWICE THE HORIZONTAL SCALE

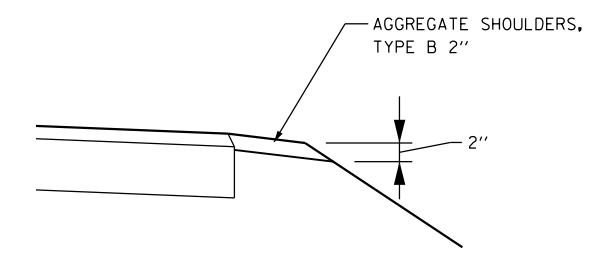


TYPICAL SECTION – LOOP TRAIL
STA. 10+25.00 TO STA. 11+00.00

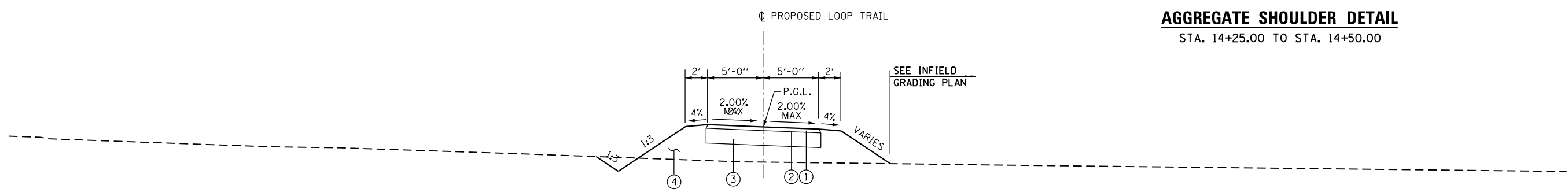
HOT-MIX-ASPHALT MIXTURE REQUIREMENTS	
MIXTURE USE	SURFACE
AC/PG	PG64-22
RAP %	20
DESIGN AIR VOIDS	4.0% @ Ndes = 50
MIX COMPOSITION (GRADUATION MIXTURE)	IL 9.5
FRICTION AGG	MIXTURE "C"



TYPICAL SECTION – LOOP TRAIL
STA. 11+00.00 TO STA. 11+50.00



AGGREGATE SHOULDER DETAIL
STA. 14+25.00 TO STA. 14+50.00



TYPICAL SECTION – LOOP TRAIL
STA. 11+50.00 TO STA. 14+50.00

PLOT SCALE: 10,0000' / IN. PLOT DATE: 6/19/2013 11:51:20 AM

DESIGNED	KMO	REVISED	-
DRAWN	KMO	REVISED	-
CHECKED	SJK	REVISED	-
DATE	-	REVISED	-

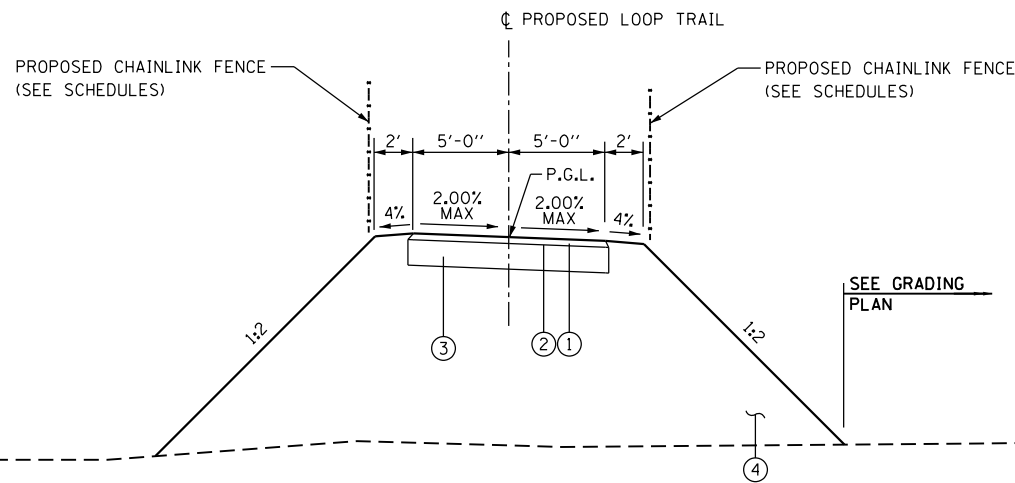
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TYPICAL SECTIONS – LOOP TRAIL	
PROJECT	JOB NO.
SCALE: NONE	SHEET NO. 4 OF 7 SHEETS
STA. 10+25.00 TO STA. 14+75.00	

MetroBikeLink over IL-161 at SWIC		COUNTY	TOTAL SHEETS	SHEET NO.
		ST. CLAIR	127	9
		SEC 11-00005-00-BR		
		FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT

FILE NAME: 110514-ty4.dgn

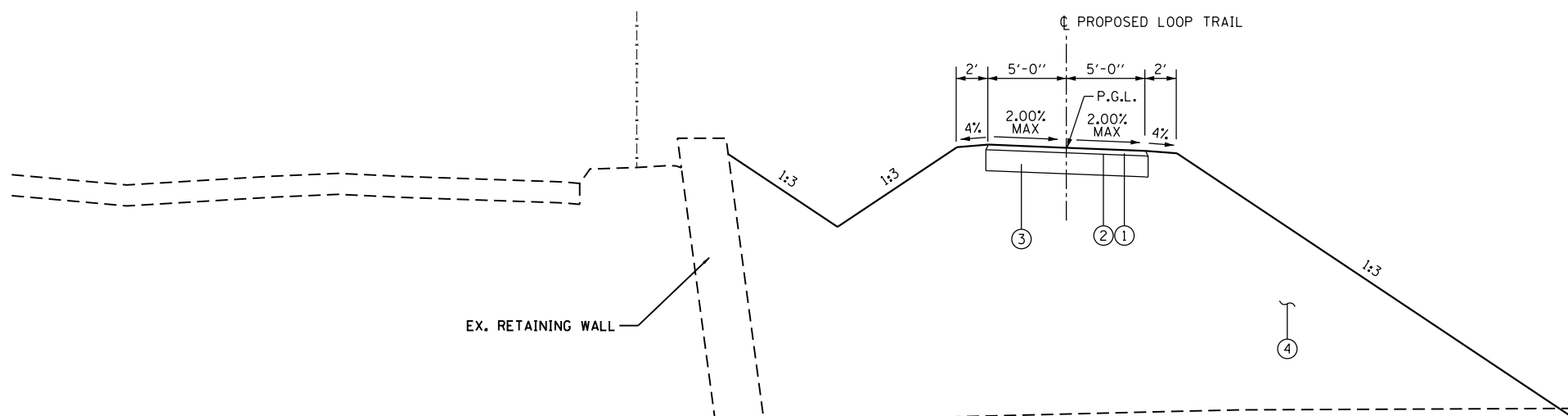


TYPICAL SECTION – LOOP TRAIL

STA. 14+50.00 TO STA. 15+25.00

LEGEND	
①	PROPOSED HOT-MIX-ASPHALT SURFACE COURSE, 2"
②	PROPOSED BITUMINOUS MATERIALS (PRIME COAT)
③	PROPOSED AGGREGATE BASE COURSE, TYPE B, 8"
④	PROPOSED EMBANKMENT
⑤	PROPOSED EARTH EXCAVATION

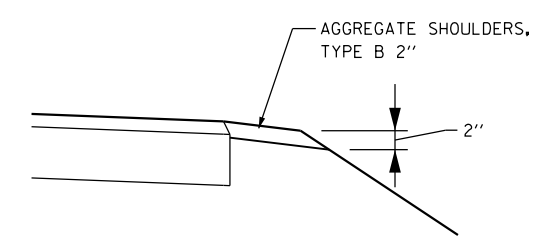
NOTE: VERTICAL SCALE IS TWICE THE HORIZONTAL SCALE



TYPICAL SECTION – LOOP TRAIL

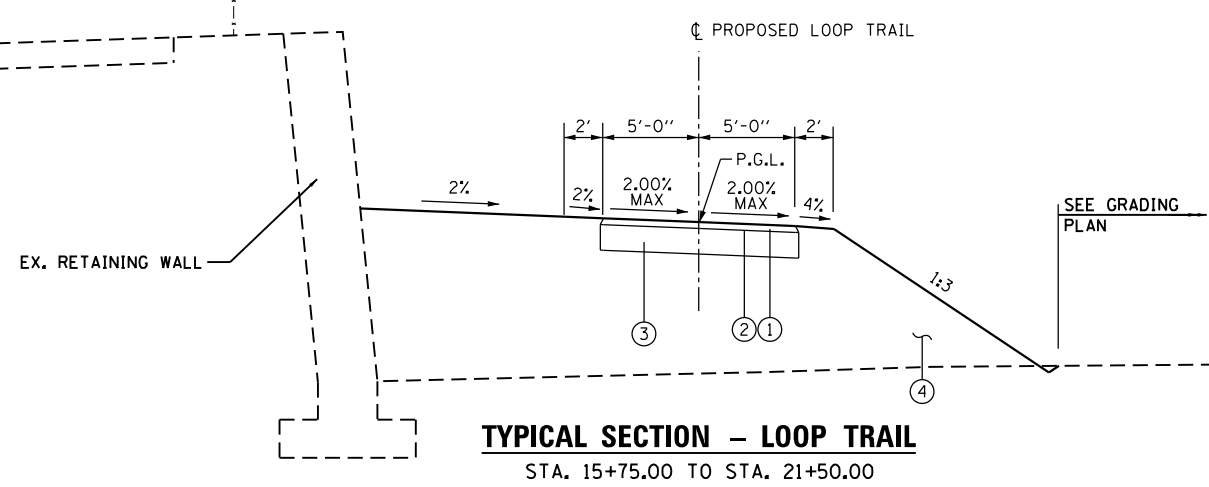
STA. 15+25.00 TO STA. 15+75.00

HOT-MIX-ASPHALT MIXTURE REQUIREMENTS	
MIXTURE USE	SURFACE
AC/PG	PG64-22
RAP %	20
DESIGN AIR VOIDS	4.0% @ Ndes = 50
MIX COMPOSITION (GRADUATION MIXTURE)	IL 9.5
FRICTION AGG	MIXTURE "C"



AGGREGATE SHOULDER DETAIL

STA. 14+50.00 TO STA. 17+00.00



TYPICAL SECTION – LOOP TRAIL

STA. 15+75.00 TO STA. 21+50.00

PLOTTED BY: jlamdeck PLOT SCALE: 10.0000 / 1" PLOT DATE: 6/19/2013 11:51:26 AM
 FILE NAME: 110514-tp5.dgn

DESIGNED	KMO	REVISED	-
DRAWN	KMO	REVISED	-
CHECKED	SJK	REVISED	-
DATE	-	REVISED	-

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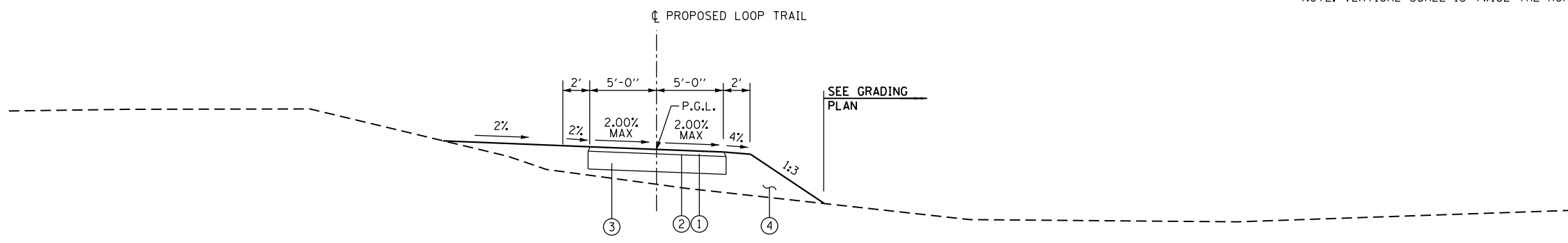


TYPICAL SECTIONS – LOOP TRAIL	
PROJECT	JOB NO.
SCALE: NONE	STA. 14+75.00 TO STA. 21+50.00
SHEET NO. 5 OF 7 SHEETS	

MetroBikeLink over IL-161 at SWIC		COUNTY	TOTAL SHEETS	SHEET NO.
		ST. CLAIR	127	10
		SEC 11-00005-00-BR		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

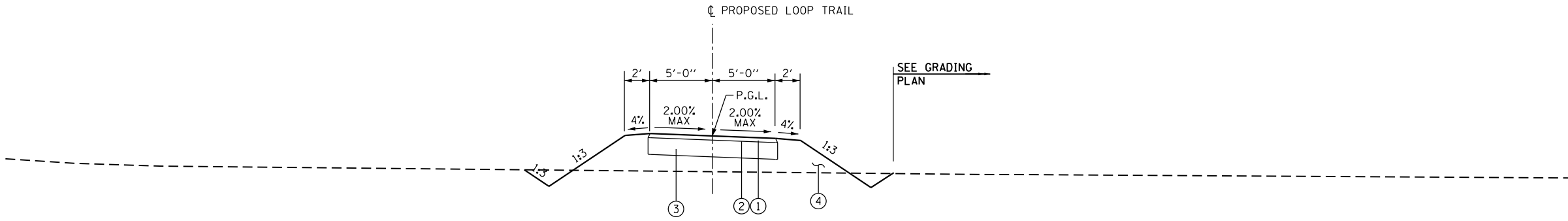
LEGEND	
①	PROPOSED HOT-MIX-ASPHALT SURFACE COURSE, 2"
②	PROPOSED BITUMINOUS MATERIALS (PRIME COAT)
③	PROPOSED AGGREGATE BASE COURSE, TYPE B, 8"
④	PROPOSED EMBANKMENT
⑤	PROPOSED EARTH EXCAVATION

NOTE: VERTICAL SCALE IS TWICE THE HORIZONTAL SCALE



TYPICAL SECTION – LOOP TRAIL
STA. 21+50.00 TO STA. 22+50.00

HOT-MIX-ASPHALT MIXTURE REQUIREMENTS	
MIXTURE USE	SURFACE
AC/PG	PG64-22
RAP %	20
DESIGN AIR VOIDS	4.0% @ Ndes = 50
MIX COMPOSITION (GRADUATION MIXTURE)	IL 9.5
FRICTION AGG	MIXTURE "C"



TYPICAL SECTION – LOOP TRAIL
STA. 22+50.00 TO STA. 27+50.00

PLOT SCALE: 10.0000' / 1" PLOT DATE: 6/19/2013 11:51:31 AM

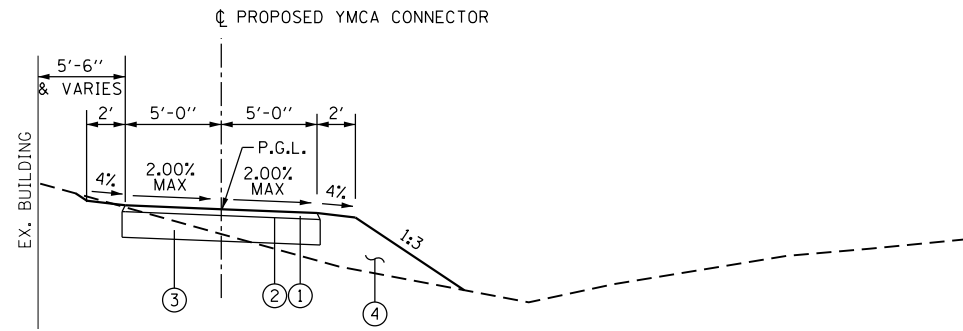
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DRAWN	KMO	REVISED	-
CHECKED	SJK	REVISED	-
DATE	-	REVISED	-

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TYPICAL SECTIONS – LOOP TRAIL		
PROJECT	JOB NO.	
SCALE: NONE	SHEET NO. 6 OF 7 SHEETS	STA. 21+50.00 TO STA. 27+50.00

MetroBikeLink over IL-161 at SWIC		COUNTY	TOTAL SHEETS	SHEET NO.
		ST. CLAIR	127	11
		SEC 11-00005-00-BR		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

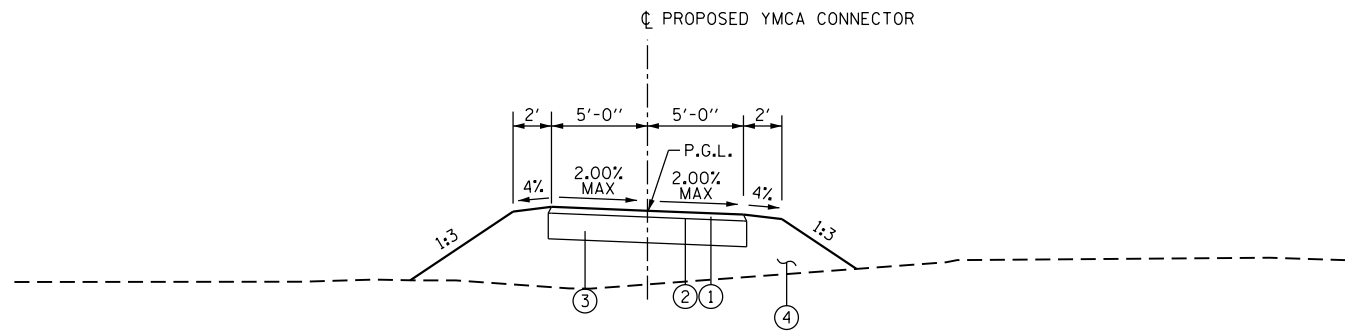


TYPICAL SECTION – YMCA CONNECTOR
STA. 5+00.00 TO STA. 6+00.00

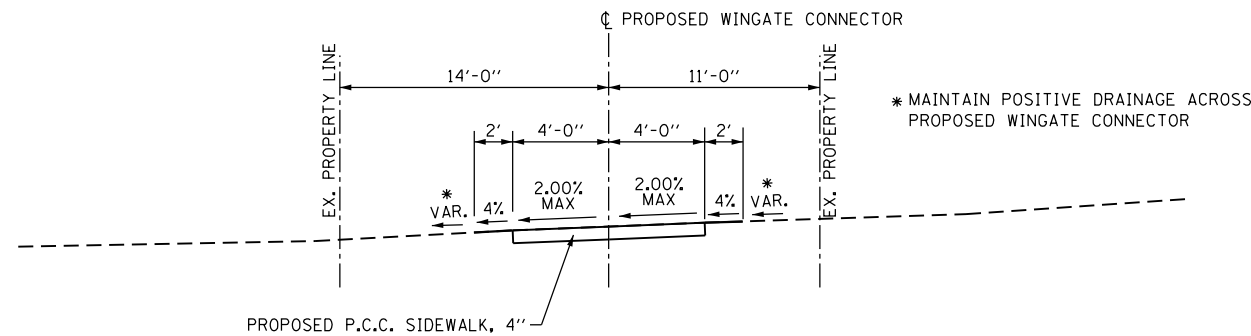
LEGEND	
①	PROPOSED HOT-MIX-ASPHALT SURFACE COURSE, 2"
②	PROPOSED BITUMINOUS MATERIALS (PRIME COAT)
③	PROPOSED AGGREGATE BASE COURSE, TYPE B, 8"
④	PROPOSED EMBANKMENT
⑤	PROPOSED EARTH EXCAVATION

NOTE: VERTICAL SCALE IS TWICE THE HORIZONTAL SCALE

HOT-MIX-ASPHALT MIXTURE REQUIREMENTS	
MIXTURE USE	SURFACE
AC/PG	PG64-22
RAP %	20
DESIGN AIR VOIDS	4.0% @ Ndes = 50
MIX COMPOSITION (GRADUATION MIXTURE)	IL 9.5
FRICTION AGG	MIXTURE "C"



TYPICAL SECTION – YMCA CONNECTOR
STA. 6+00.00 TO STA. 7+50.00



TYPICAL SECTION – WINGATE CONNECTOR
AT-GRADE (SEE PLAN AND PROFILE SHEET)
NET LENGTH: 207 FT

PLOT SCALE: 10.0000' / IN. PLOT DATE: 6/19/2013 11:51:38 AM

DESIGNED	KMO	REVISED	-
DRAWN	KMO	REVISED	-
CHECKED	SJK	REVISED	-
DATE	-	REVISED	-

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SWANSEA • WATERLOO • EDWARDSVILLE • ST. LOUIS • ST. CHARLES



St. Clair County Transit District



Bi-State Development Agency

TYPICAL SECTIONS – CONNECTORS	
PROJECT	JOB NO.
SCALE: NONE	SHEET NO. 7 OF 7 SHEETS
STA. 5+00.00 TO STA. 7+50.00	

MetroBikeLink over IL-161 at SWIC		COUNTY	TOTAL SHEETS	SHEET NO.
		ST. CLAIR	127	12
		SEC 11-00005-00-BR		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

FILE NAME: 110514-tyr7.dgn

PIPE CULVERT SCHEDULE

LOCATION		PIPE CULVERT, CLASS A, TYPE 1, 18"	PIPE CULVERT, CLASS A, TYPE 1, 42"	PIPE CULVERT, CLASS D, TYPE 1, 12"	PIPE CULVERT, CLASS D, TYPE 1, 18"	PRECAST REINFORCED CONCRETE FLARED END SECTIONS, 18"	PRECAST REINFORCED CONCRETE FLARED END SECTIONS, 42"	METAL END SECTIONS, 12"	METAL END SECTIONS, 18"	PRECAST CONCRETE BOX CULVERTS, 4' X 2'	REMOVE & REINSTALL PRECAST CONCRETE BOX CULVERT END SECTION	DRAIN PIPE 6"	PIPE CULVERT REMOVAL	TRENCH BACKFILL					
STATION	TO	STATION	FOOT	FOOT	FOOT	FOOT	EACH	EACH	EACH	EACH	FOOT	EACH	FOOT	FOOT	CU YD				
CL-MBL																			
10+00.00	12.93	LT																	
10+00.00	10.35	LT	TO	10+00.00	10.62	RT	-	-	-	-	1	-	-	-	-				
10+00.00	13.20	RT					-	-	-	-	1	-	-	-	1.5				
17+14.06	58.80	LT					-	-	-	-	-	-	-	-	-				
17+22.96	68.41	LT	TO	17+14.06	58.80	LT	-	-	11	-	-	-	-	-	0.5				
19+27.48	55.59	LT	TO	21+52.92	44.95	LT	-	-	-	-	-	-	-	226	-				
20+94.19	41.46	LT					-	-	-	-	-	-	-	-	-				
21+00.24	40.79	LT	TO	21+47.95	35.55	LT	48	-	-	-	-	-	-	-	3.5				
21+54.00	34.88	LT					-	-	-	-	-	-	-	-	-				
23+50.00	19.81	LT	TO	23+50.00	11.00	RT	-	-	30	-	-	-	-	-	-				
23+50.00	21.56	LT					-	-	-	-	-	-	-	-	4.9				
25+00.00	18.00	LT					-	-	-	-	-	-	-	-	-				
25+00.00	16.26	LT	TO	25+00.00	11.00	RT	-	-	28	-	-	-	-	-	2.9				
27+03.42	15.00	LT					-	-	-	-	-	-	-	-	-				
27+03.42	9.00	LT	TO	27+03.42	15.00	RT	-	-	-	-	-	-	-	-	7.1				
27+08.76	15.00	LT					-	-	-	-	-	-	-	-	-				
27+08.76	9.00	LT	TO	27+08.76	15.00	RT	-	-	-	-	-	24	-	-	3.9				
27+14.09	15.00	LT					-	-	-	-	-	-	-	-	-				
27+14.09	9.00	LT	TO	27+14.09	15.00	RT	-	-	-	-	-	24	-	-	7.1				
28+52.10	15.00	LT					-	-	-	-	-	-	-	-	-				
28+52.10	9.00	LT	TO	28+52.10	15.00	RT	-	-	-	-	-	24	-	-	4.9				
28+57.43	15.00	LT					-	-	-	-	-	-	-	-	-				
28+57.43	9.00	LT	TO	28+57.43	15.00	RT	-	-	-	-	-	24	-	-	4.9				
29+00.00	17.60	LT					-	-	-	-	-	-	-	-	-				
29+00.00	15.85	LT	TO	29+00.00	11.22	RT	-	-	27	-	-	-	-	-	3.5				
31+50.00	12.70	LT					-	-	-	-	-	-	-	-	-				
31+50.00	10.95	LT	TO	31+50.00	9.24	RT	-	-	20	-	-	-	-	-	1.7				
31+70.82	16.48	LT					-	-	-	-	-	-	-	-	-				
31+73.27	15.65	LT	TO	32+37.54	11.91	RT	-	-	-	-	-	-	-	-	9.1				
32+39.83	13.11	RT					-	-	-	-	-	-	-	-	-				
SUB-TOTAL:							48	0	116	70	2	0	5	4	120	5	0	226	55
CL-LOOP																			
14+68.80	16.98	LT					-	-	-	-	1	-	-	-	-				
14+68.33	8.84	LT	TO	14+67.19	7.12	RT	-	-	-	-	-	-	-	-	8.2				
14+66.43	15.26	RT					-	-	-	-	-	-	-	-	-				
14+75.00	16.76	LT					-	-	-	-	-	-	-	-	-				
14+75.00	8.59	LT	TO	14+75.00	7.40	RT	-	-	-	-	-	-	-	-	8.2				
14+75.00	15.57	RT					-	-	-	-	-	-	-	-	-				
14+81.20	16.98	LT					-	-	-	-	-	-	-	-	-				
14+81.67	8.84	LT	TO	14+82.81	7.12	RT	-	-	-	-	-	-	-	-	8.2				
14+83.57	15.26	RT					-	-	-	-	-	-	-	-	-				
23+25.00	11.47	LT					-	-	-	-	-	-	-	-	-				
23+25.00	9.75	LT	TO	23+25.00	9.37	RT	-	-	19	-	-	-	-	-	1.5				
23+25.00	11.09	RT					-	-	-	-	-	-	-	-	-				
SUB-TOTAL:							0	48	19	0	0	6	2	0	0	0	0	0	26
YMCA CONNECTOR																			
5+08.50	11.15	LT	TO	5+08.00	15.50	RT	-	-	-	-	-	-	-	27	-				
6+12.00	7.91	LT	TO	6+12.00	16.82	RT	-	-	-	-	-	-	-	25	-				
6+72.00	13.31	RT					-	-	-	-	-	-	-	-	-				
6+72.00	10.67	LT	TO	6+72.00	11.56	RT	-	-	22	-	-	-	-	-	3.4				
SUB-TOTAL:							0	0	22	0	0	0	1	0	52	0	3		
TOTAL:							48	48	157	70	2	6	8	4	120	5	52	226	85

PLOTTED BY: jlamdeck
 PLOT SCALE: 215.0000 1/4" = 1' IN. PLOT DATE: 6/18/2013 14:47:11 PM
 FILE NAME: I10514-SCHEDULES.dgn

DESIGNED	KMO	REVISED	-
DRAWN	KMO	REVISED	-
CHECKED	SJK	REVISED	-
DATE	-	REVISED	-

**THOUVENOT,
WADE &
MOERCHEN, INC.**
 SWANSEA • WATERLOO • EDWARDSVILLE • ST. LOUIS • ST. CHARLES
 CORPORATE OFFICE
 4940 Old Collinsville Road
 Swansea, Illinois 62226
 Tel: 618.624.4488
 Fax: 618.624.6688



SCHEDULES	
PROJECT	JOB NO.
SCALE: NONE	STA. TO STA.
SHEET NO. 2 OF 3 SHEETS	

MetroBikeLink over IL-161 at SWIC		COUNTY	TOTAL SHEETS	SHEET NO.
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT		ST. CLAIR	127	14
		SEC 11-00005-00-BR		

PAVING SCHEDULE					
LOCATION			AGGREGATE BASE COURSE, TYPE B 8"	BITUMINOUS MATERIALS (PRIME COAT)	HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N 50
STATION	TO	STATION	SO YD	GALLON	TON
CL-MBL					
10+00.00	TO	16+53.27	750.06	281.27	82.65
20+19.27	TO	44+78.64	2812.24	1054.59	309.89
SUB-TOTAL:			3562.30	1335.86	392.54
CL-LOOP					
10+05.00	TO	27+52.75	2006.67	752.50	221.13
SUB-TOTAL:			2006.67	752.50	221.13
YMCA CONNECTOR					
5+00.00	TO	7+51.56	288.83	108.31	31.83
SUB-TOTAL:			288.83	108.31	31.83
TOTAL:			5857.80	2196.67	645.50
PAY TOTAL:			5858	2197	646

BOLLARD SCHEDULE					
LOCATION			6" DIAMETER PIPE BOLLARD, CONCRETE FILLED	REMOVABLE PIPE BOLLARD	
STATION	TO	STATION	EACH	EACH	
CL-MBL					
9+66.67	15.00	LT	1		
9+73.17	15.00	LT		1	
9+79.67	15.00	LT	1		
10+54.63	21.27	LT	1		
10+59.41	16.87	LT		1	
10+64.45	12.46	LT	1		
SUB-TOTAL:			4	2	
TOTAL:			4	2	

PAVEMENT MARKING SCHEDULE					
LOCATION				PAINT PAVEMENT MARKING - LINE 4"	PAINT PAVEMENT MARKING - LINE 12"
STATION	TO	STATION	TYPE	FOOT	FOOT
CL-MBL					
9+73.00	TO	9+73.00	Solid Yellow / LT Stop Bar	20	7
10+00.00	TO	16+63.27	Solid Yellow	663	-
10+55.00	TO	10+65.00	Solid Yellow	35	-
10+50.00			LT Stop Bar	-	8
20+19.27	TO	44+78.64	Solid Yellow	2459	-
SUB-TOTAL:				3177	15
CL-LOOP					
10+10.52	TO	27+47.26	Solid Yellow	1737	-
10+10.00			LT Stop Bar	-	8
27+47.51			RT Stop Bar	-	8
SUB-TOTAL:				1737	16
YMCA CONNECTOR					
5+00.00	TO	7+46.06	Solid Yellow	246	-
7+46.06			RT Stop Bar	-	7
SUB-TOTAL:				246	7
TOTAL:				5160	38

INLET SCHEDULE				
LOCATION		INLETS, TY. A, TY. 8 GRATE	TYPE G INLET BOX, STANDARD 610001	
STATION	OFFSET	EACH	EACH	
CL-LOOP				
17+22.96	68.41	LT	-	1
23+50.00	10.99	RT	1	-
25+00.00	11.87	RT	1	-
29+00.00	12.09	RT	1	-
31+50.00	10.11	RT	1	-
SUB-TOTAL:			4	1
YMCA CONNECTOR				
6+72.00	11.54	LT	1	-
SUB-TOTAL:			1	0
TOTAL:			5	1

SIDEWALK SCHEDULE					
LOCATION			PCC SIDEWALK, 4"	PCC SIDEWALK, 4" SPECIAL	SIDEWALK REMOVAL
STATION	TO	STATION	SO FT	SO FT	SO FT
CL-MBL					
16+11.76	TO	16+21.76	70.00	-	-
16+47.01			190.00	-	-
21+14.66	TO	21+24.66	90.00	-	-
21+35.65			1645.00	-	-
SUB-TOTAL:			1995.00	0.00	0.00
CL-LOOP					
15+69.42	TO	15+84.93	-	195.00	80.00
SUB-TOTAL:			0.00	195.00	80.00
WINGATE CONNECTOR					
10+05.00	TO	12+32.88	1964.85	-	-
SUB-TOTAL:			1964.85	0.00	0.00
TOTAL:			3959.85	195.00	80.00
PAY TOTAL:			3960	195	80

SIGNAGE SCHEDULE					
LOCATION				SIGN PANEL - TYPE 1	WOOD SIGN SUPPORT
STATION	OFFSET	SIGN	SHAPE	SO FT	FOOT
CL-MBL					
10+43.36	12.71	LT	R1-1 (STOP)	OCTAGON	2.25 8.60
10+53.41	10.50	RT	D1-2 (DESTINATION)	REC	3.00 9.30
12+00.00	9.00	LT	W1-5	REC	2.25 10.00
16+38.22	9.25	RT	W5-2 (NARROW BRIDGE)	REC	2.25 10.00
16+51.27	9.00	LT	"LOAD LIMIT"	REC	2.00 9.10
16+53.22	9.25	RT	W7-5	REC	2.25 9.70
20+29.32	9.25	LT	W7-5	REC	2.25 10.30
20+44.32	9.25	LT	W5-2 (NARROW BRIDGE)	REC	2.25 10.30
20+31.22	9.00	RT	"LOAD LIMIT"	REC	2.00 8.80
24+29.63	10.50	RT	D1-2 (DESTINATION)	REC	3.00 9.30
31+85.59	10.50	RT	D1-2 (DESTINATION)	REC	3.00 9.30
44+20.44	9.25	RT	W3-1 (STOP AHEAD)	REC	2.25 9.30
44+66.68	8.88	LT	R5-3 (NO MOTOR VEH.)	REC	4.00 9.70
44+70.66	9.25	RT	R1-1 (STOP)	OCTAGON	2.25 8.70
44+70.66	9.25	RT	M4-6 (END)	REC	0.50 9.20
44+70.66	9.25	RT	D11-1 (BIKE ROUTE)	REC	3.00 10.70
44+74.66	8.00	RT	D1-1a (DESTINATION)	REC	1.50 7.60
44+83.25	10.11	LT	D1-1 (DESTINATION)	REC	1.50 10.60
			"WALK YOUR BIKE"	REC	4.00
SUB-TOTAL:				45.50	170.50
CL-LOOP					
10+10.00	12.00	LT	R1-1 (STOP)	OCTAGON	2.25 9.60
27+47.00	12.00	RT	R1-1 (STOP)	OCTAGON	2.25 9.60
SUB-TOTAL:				4.50	19.20
YMCA CONNECTOR					
7+46.00	11.50	RT	R1-1 (STOP)	OCTAGON	2.25 10.40
SUB-TOTAL:				2.25	10.40
TOTAL:				52	200

GUARDRAIL SCHEDULE					
LOCATION			TRAFFIC BARRIER TERMINAL, TYPE 5	GUARDRAIL REMOVAL	
STATION	OFFSET	TO	STATION	OFFSET	FOOT
CL-MBL					
17+22.40	62.96	LT	17+42.63	72.04	137
17+41.50	57.41	RT			-
SUB-TOTAL:			1		137
TOTAL:			1		137

DETECTABLE WARNING SCHEDULE	
LOCATION	DETECTABLE WARNING
STATION	SO FT
CL-LOOP	
15+76.91	12.00
TOTAL:	
12.00	

PLOTTED BY: jlamdeck
 PLOT SCALE: 215.0000 "/>

DESIGNED	KMO	REVISED	-
DRAWN	KMO	REVISED	-
CHECKED	SJK	REVISED	-
DATE	-	REVISED	-

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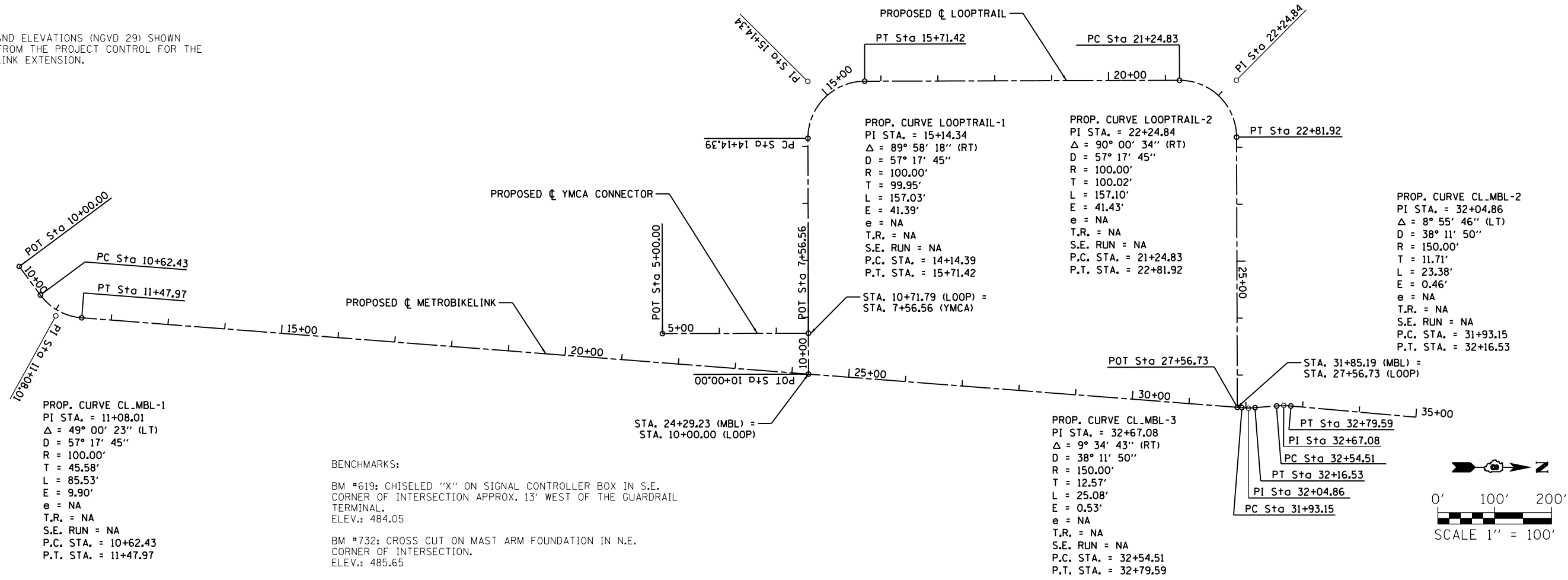


SCHEDULES			
PROJECT	JOB NO.	SCALE:	STATION
SHEET NO. 3 OF 3 SHEETS	STA. TO STA.	NONE	

MetroBikeLink over IL-161 at SWIC		COUNTY	TOTAL SHEETS	SHEET NO.
		ST. CLAIR	127	15
		SEC 11-00005-00-BR		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	

NOTES:

BEARINGS, COORDINATES, AND ELEVATIONS (NGVD 29) SHOWN HEREON ARE REFERENCED FROM THE PROJECT CONTROL FOR THE ST. CLAIR COUNTY METROLINK EXTENSION.



BENCHMARKS:
 BM #619: CHISELED "X" ON SIGNAL CONTROLLER BOX IN S.E. CORNER OF INTERSECTION APPROX. 13' WEST OF THE GUARDRAIL TERMINAL.
 ELEV.: 484.05
 BM #732: CROSS CUT ON MAST ARM FOUNDATION IN N.E. CORNER OF INTERSECTION.
 ELEV.: 485.65

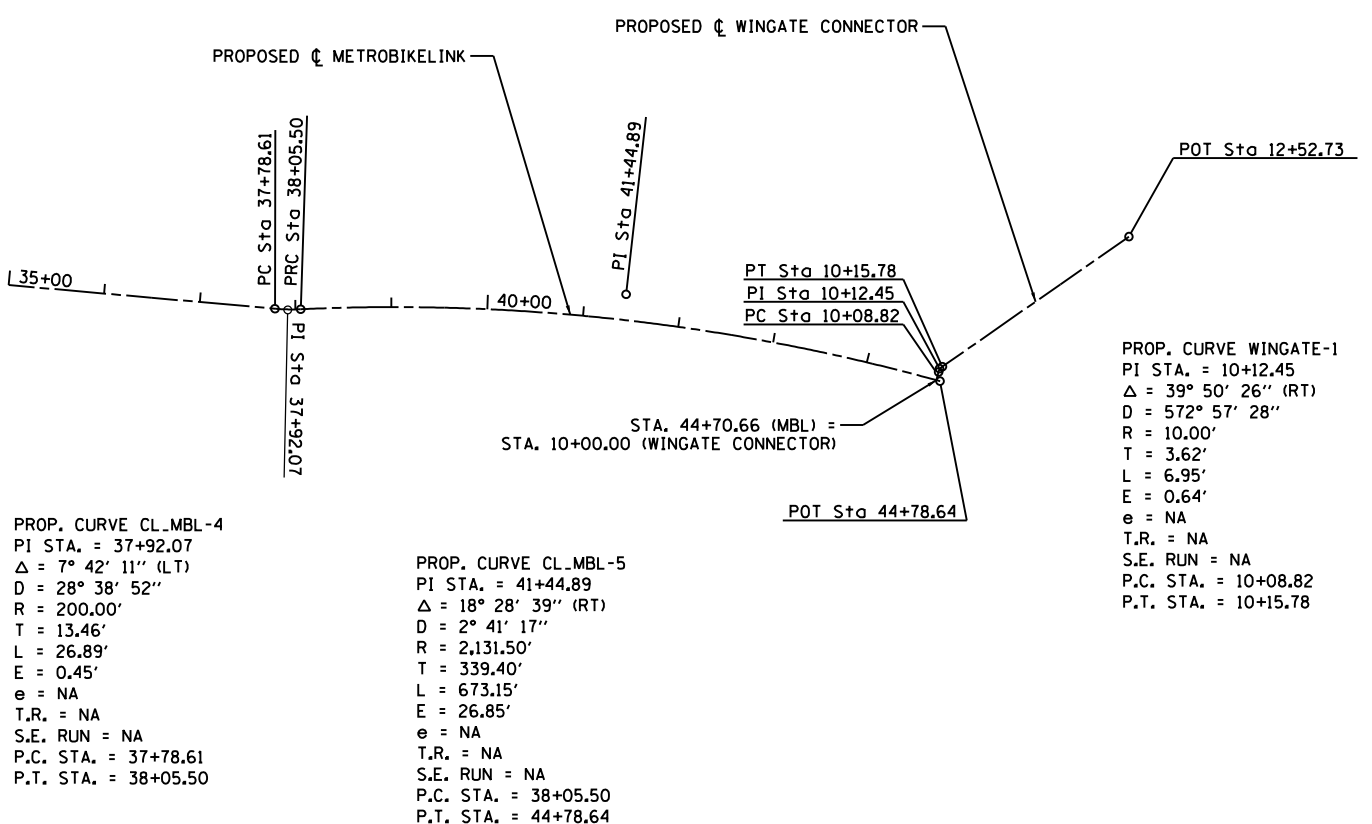
PROP. CURVE CL_MBL-1
 PI STA. = 11+08.01
 $\Delta = 49^\circ 00' 23''$ (LT)
 D = 57' 17' 45"
 R = 100.00'
 T = 45.58'
 L = 85.53'
 E = 9.90'
 e = NA
 T.R. = NA
 S.E. RUN = NA
 P.C. STA. = 10+62.43
 P.T. STA. = 11+47.97

PROP. CURVE LOOPTRAIL-1
 PI STA. = 15+14.34
 $\Delta = 89^\circ 58' 18''$ (RT)
 D = 57' 17' 45"
 R = 100.00'
 T = 99.95'
 L = 157.03'
 E = 41.39'
 e = NA
 T.R. = NA
 S.E. RUN = NA
 P.C. STA. = 14+14.39
 P.T. STA. = 15+71.42

PROP. CURVE LOOPTRAIL-2
 PI STA. = 22+24.84
 $\Delta = 90^\circ 00' 34''$ (RT)
 D = 57' 17' 45"
 R = 100.00'
 T = 100.02'
 L = 157.10'
 E = 41.43'
 e = NA
 T.R. = NA
 S.E. RUN = NA
 P.C. STA. = 21+24.83
 P.T. STA. = 22+81.92

PROP. CURVE CL_MBL-2
 PI STA. = 32+04.86
 $\Delta = 8^\circ 55' 46''$ (LT)
 D = 38' 11' 50"
 R = 150.00'
 T = 11.71'
 L = 23.38'
 E = 0.46'
 e = NA
 T.R. = NA
 S.E. RUN = NA
 P.C. STA. = 31+93.15
 P.T. STA. = 32+16.53

PROP. CURVE CL_MBL-3
 PI STA. = 32+67.08
 $\Delta = 9^\circ 34' 43''$ (RT)
 D = 38' 11' 50"
 R = 150.00'
 T = 12.57'
 L = 25.08'
 E = 0.53'
 e = NA
 T.R. = NA
 S.E. RUN = NA
 P.C. STA. = 32+54.51
 P.T. STA. = 32+79.59



PROP. CURVE CL_MBL-4
 PI STA. = 37+92.07
 $\Delta = 7^\circ 42' 11''$ (LT)
 D = 28' 38' 52"
 R = 200.00'
 T = 13.46'
 L = 26.89'
 E = 0.45'
 e = NA
 T.R. = NA
 S.E. RUN = NA
 P.C. STA. = 37+78.61
 P.T. STA. = 38+05.50

PROP. CURVE CL_MBL-5
 PI STA. = 41+44.89
 $\Delta = 18^\circ 28' 39''$ (RT)
 D = 2' 41' 17"
 R = 2,131.50'
 T = 339.40'
 L = 673.15'
 E = 26.85'
 e = NA
 T.R. = NA
 S.E. RUN = NA
 P.C. STA. = 38+05.50
 P.T. STA. = 44+78.64

PROP. CURVE WINGATE-1
 PI STA. = 10+12.45
 $\Delta = 39^\circ 50' 26''$ (RT)
 D = 572' 57' 28"
 R = 10.00'
 T = 3.62'
 L = 6.95'
 E = 0.64'
 e = NA
 T.R. = NA
 S.E. RUN = NA
 P.C. STA. = 10+08.82
 P.T. STA. = 10+15.78

PROPOSED LOOPTRAIL				
POINT	CURVE	STATION	NORTHING	EASTING
POT		10+00.00	75,381.81	77,298.94
PC	LOOPTRAIL-1	14+14.39	75,380.85	76,884.56
PI	LOOPTRAIL-1	15+14.34	75,380.61	76,784.61
PT	LOOPTRAIL-1	15+71.42	75,480.56	76,784.32
PC	LOOPTRAIL-2	21+24.83	76,033.97	76,782.76
PI	LOOPTRAIL-2	22+24.84	76,133.97	76,782.48
PT	LOOPTRAIL-2	22+81.92	76,134.25	76,882.49
POT		27+56.73	76,135.52	77,357.30

PROPOSED WINGATE CONNECTOR				
POINT	CURVE	STATION	NORTHING	EASTING
POT		10+00.00	77,415.96	77,473.67
PC	WINGATE-1	10+08.82	77,418.28	77,465.16
PI	WINGATE-1	10+12.45	77,419.24	77,461.66
PT	WINGATE-1	10+15.78	77,422.21	77,459.59
POT		12+52.73	77,616.64	77,324.15

PROPOSED YMCA CONNECTOR				
POINT	CURVE	STATION	NORTHING	EASTING
POT		5+00.00	75,125.09	77,227.75
POT		7+56.56	75,381.65	77,227.15

PROPOSED METROBIKELINK				
POINT	CURVE	STATION	NORTHING	EASTING
POT		10+00.00	73,994.58	77,119.78
PC	CL_MBL-1	10+62.43	74,031.78	77,159.92
PI	CL_MBL-1	11+08.01	74,058.93	77,196.53
PT	CL_MBL-1	11+47.97	74,104.37	77,200.05
POT		24+29.23	75,381.81	77,298.94
PC	CL_MBL-2	31+93.15	76,143.45	77,357.91
PI	CL_MBL-2	32+04.86	76,155.13	77,358.81
PT	CL_MBL-2	32+16.53	76,166.81	77,357.89
PC	CL_MBL-3	32+54.51	76,204.68	77,354.91
PI	CL_MBL-3	32+67.08	76,217.21	77,353.93
PT	CL_MBL-3	32+79.59	76,299.72	77,355.04
PC	CL_MBL-4	37+78.61	76,726.78	77,399.19
PI	CL_MBL-4	37+92.07	76,740.20	77,400.38
PRC	CL_MBL-4/5	38+05.50	76,753.65	77,399.76
PI	CL_MBL-5	41+44.89	77,092.69	77,384.21
POT	CL_MBL-5	44+78.64	77,419.79	77,474.73

PLOTTED BY: jlandeck
 FILE NAME: I10514-ATBL.dgn
 PLOT SCALE: 200,0000 / 1 in. PLOT DATE: 6/19/2013 11:58:12 AM

DESIGNED	KMO	REVISED	-
DRAWN	KMO	REVISED	-
CHECKED	SJK	REVISED	-
DATE	-	REVISED	-

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ALIGNMENT, TIES, AND BENCHMARKS	
PROJECT	JOB NO.
SCALE: NONE	STATION TO STATION
SHEET NO. 1 OF 1 SHEETS	STA. TO STA.

MetroBikeLink over IL-161 at SWIC		COUNTY	TOTAL SHEETS	SHEET NO.
		ST. CLAIR	127	16
		SEC 11-00005-00-BR		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		