

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION
 DIVISION OF HIGHWAYS
**PLANS FOR
 EAST PEORIA BIKE TRAIL AND
 PEDESTRIAN BRIDGE**
 CITY OF EAST PEORIA, IL
 CAMP ST. AND SPINDER DR.

COUNTY OF TAZEWELL, ILLINOIS
 SECTION 10-00157-01-BR
 FEDERAL PROJECT NO. TE-00D4(127)
 JOB NO. C-94-131-14
 CITY OF EAST PEORIA

F.A. ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	10-00157-01-BR	TAZEWELL	11	1
ILLINOIS				

INDEX OF SHEETS

- 1 COVER SHEET
- 2 SUMMARY OF QUANTITIES AND GENERAL NOTES
- 3 TYPICAL SECTIONS
- 4 SCHEDULES OF QUANTITIES
- 5 PLAN AND PROFILE VIEW - CLOCK TOWER DR. TO SPINDER DR.
STA. 127+40.19 TO STA. 129+80.45
- 6-7 PEDESTRIAN BRIDGE DETAILS
- 8 CONSTRUCTION DETAILS
- 9 STORM WATER POLLUTION PREVENTION PLAN
- 10 CROSS SECTIONS
- 11 BRIDGE REPAIR - ABUTMENT REPAIR SHEET

HIGHWAY STANDARDS

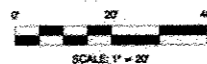
- 000001-06 STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
- 280001-07 TEMPORARY EROSION CONTROL SYSTEMS
- 701301-04 LANE CLOSURE, 2L, 2W, SHORT TIME OPERATIONS
- 701501-06 URBAN LANE CLOSURE, 2L, 2W, UNDIVIDED
- 701801-05 SIDEWALK, CORNER OR CROSSWALK CLOSURE
- 701901-04 TRAFFIC CONTROL DEVICES
- 780001-05 TYPICAL PAVEMENT MARKINGS

SCALES

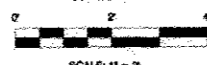
PLAN



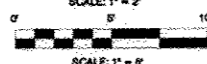
PROFILE HORIZONTAL



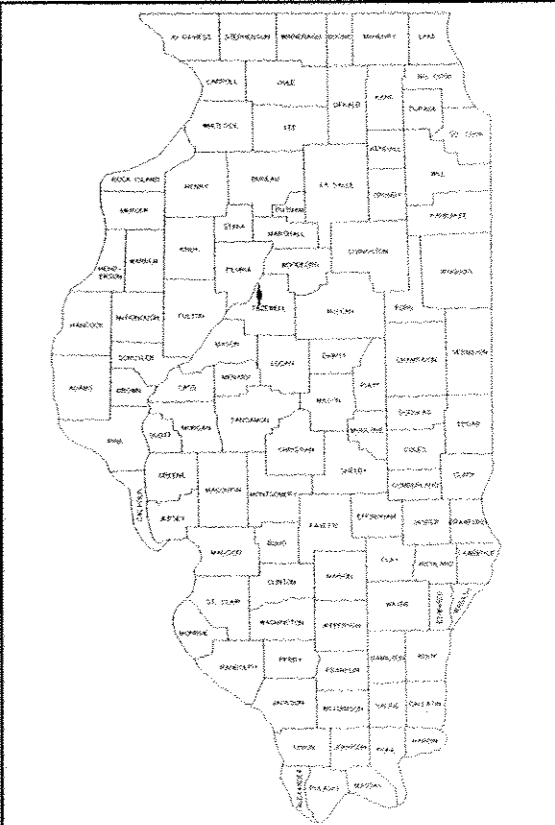
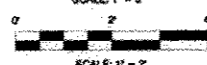
PROFILE VERTICAL



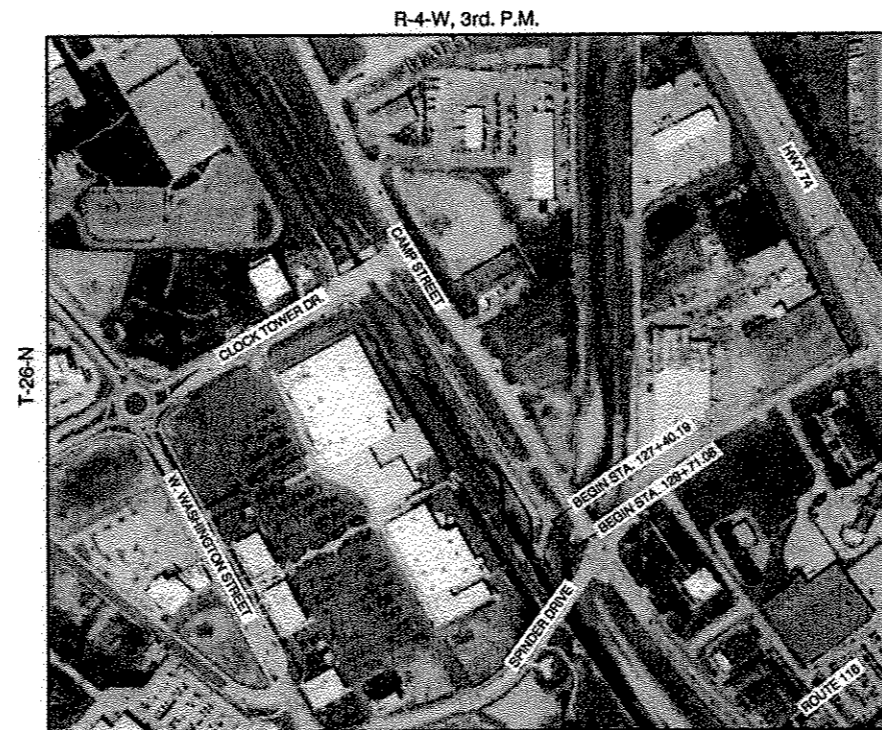
CROSS SECTION HORIZONTAL



CROSS SECTION VERTICAL



LOCATION OF PROPOSED IMPROVEMENT



LOCATION SKETCH
 NTS
 CITY OF EAST PEORIA

APPROVED April 6, 2015
Steve Geyman
 LOCAL AGENCY OFFICIAL

PASSED April 6, 2015
Richard...
 DISTRICT 4 ENGINEER OF
 LOCAL ROADS & STREETS

RELEASING FOR
 BID BASED ON
 LIMITED REVIEW April 6, 2015
David...
 DEPUTY DIRECTOR OF HIGHWAY
 REGION THREE ENGINEER
 STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION



Steven D. Kerr 4/3/15
 DATE:
 STEVEN D. KERR, P.E.
 ILLINOIS REGISTRATION 062-046845
 EXPIRES 11/30/15

PROPOSED IMPROVEMENT CONSISTS OF CONSTRUCTING HMA BIKE PATH, PEDESTRIAN BRIDGE AND SEEDING.

JULIE LOCATION
 CALL JULIE 1-800-892-0123 48 HOURS BEFORE YOU DIG
 EXCLUDING SATURDAYS, SUNDAYS, AND HOLIDAYS

CONTRACT NO. 89679
 CATALOG NO. 034417-01D

GROSS LENGTH OF PROJECT: 231 FT.
 NET LENGTH OF PROJECT: 231 FT.
 TOTAL NUMBER OF PLAN SHEETS = 11

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 Peoria, Illinois 61614 Fax: (309) 692-8501
 www.mohrandkerr.com Professional Design Firm #184.005091

PROJECT NO.
 10-000
 SHEET 1 OF 11
 DRAWING NO.
 1

SUMMARY OF QUANTITIES - BASE BID

CODE NUMBER	ITEM	QUANTITY	UNIT
20200100	EARTH EXCAVATION	40	C.Y.
21101615	TOPSOIL FURNISH AND PLACE, 4"	256	S.Y.
25000110	SEEDING, CLASS 1A	0.1	AC
25000400	NITROGEN FERTILIZER NUTRIENT	2	LB
25000500	PHOSPHORUS FERTILIZER NUTRIENT	2	LB
25000600	POTASSIUM FERTILIZER NUTRIENT	2	LB
25100115	MULCH, METHOD 2	0.1	AC
40600275	BITUMINOUS MATERIALS (PRIME COAT)	850	LB
40600285	POLYMERIZED BITUMINOUS MATERIALS (PRIME COAT)	531	LB
40603505	POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N30	14	TON
44000600	SIDEWALK REMOVAL	96	S.F.
59000200	EPOXY CRACK INJECTION	172	FT.
67100100	MOBILIZATION	1	L. SUM
72000100	SIGN PANEL, TYPE 1	8	S.F.
73000100	WOOD SIGN SUPPORT	30	FT.
X0322508	PEDESTRIAN TRUSS SUPERSTRUCTURE	1,812	SQ. FT.
X0350805	FOLD DOWN BOLLARDS	1	EA.
X2800400	PERIMETER EROSION BARRIER, SPECIAL	240	FT.
X4811800	AGGREGATE SHOULDERS, SPECIAL	54	S.Y.
X7010216	TRAFFIC CONTROL AND PROTECTION, (SPECIAL)	1	L. SUM
XX001472	WOOD BOLLARDS	2	EA.
XX007860	AGGREGATE BASE COURSE, SPECIAL	170	S.Y.
Z0012755	STRUCTURAL REPAIR OF CONCRETE (DEPTH GREATER THAN 5 INCHES)	70	SQ. FT.
Z0013798	CONSTRUCTION LAYOUT	1	L. SUM
X1062770	HOT-MIX ASPHALT BINDER COURSE, IL-9.5, N30	24	TON

GENERAL NOTES:

ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH ILLINOIS DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, ADOPTED JANUARY 1, 2012 AND THE SUPPLEMENTAL SPECIFICATIONS AND RECURRING SPECIAL PROVISIONS OF THE STATE OF ILLINOIS, ADOPTED JANUARY 1, 2014.

ALL EXISTING UNDERGROUND UTILITIES SHOWN ON PLANS ARE APPROXIMATE. EXACT LOCATIONS AND DEPTHS SHALL BE DETERMINED BY THE CONTRACTOR PRIOR TO CONSTRUCTION. CONTRACTOR SHALL CALL JULIE AT 1-800-892-0123, 48 HOURS PRIOR TO CONSTRUCTION.

THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL UTILITIES WITHIN THE CONSTRUCTION LIMITS. IF ANY UTILITY IS DAMAGED DURING THE COURSE OF CONSTRUCTION, THE UTILITY OWNER SHALL BE NOTIFIED IMMEDIATELY. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY EXPENSES INCURRED TO REPAIR THE UTILITY.

IF A UTILITY CONFLICT ARISES WHICH WILL RESULT IN POTENTIAL DAMAGE TO A UTILITY OR WILL CAUSE THE DESIGN TO BE REVISED, CONTACT THE ENGINEER.

DRAINAGE AND STORM STRUCTURES SHALL BE KEPT FREE OF DEBRIS AND DIRT DURING THE COURSE OF CONSTRUCTION. CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DAMAGE CAUSED BY ANY STORM SEWER BACKUPS.

NO TREES WITHIN THE THE CONTRACT LIMITS ARE TO BE REMOVED, ANY CONFLICT WITH EXISTING TREES, CONTRACTOR TO NOTIFY ENGINEER PRIOR TO CONSTRUCTION.

ALL ELEVATIONS SHOWN ON THE PLANS ARE ESTABLISHED FROM U.S.G.S. MEAN SEA LEVEL DATUM.

PRIOR TO THE USE OF ANY NEW BORROW AREAS, USE AREAS (TEMPORARY ACCESS ROADS, DETOURS, RUN-AROUNDS, ETC.) AND/OR WASTE AREAS, THE CONTRACTOR SHALL FILE THE REQUIRED ENVIRONMENTAL RESOURCE REQUEST SURVEYS ACCORDING TO SECTION 107.22 OF THE STANDARD SPECIFICATIONS. THESE SURVEYS ARE REQUIRED IN ORDER FOR THE DEPARTMENT TO CONDUCT CULTURAL AND BIOLOGICAL RESOURCE SURVEYS FOR THE NEW SITE.

PRIOR TO ANY WASTE MATERIALS BEING REMOVED FROM THE CONSTRUCTION SITE THE REQUIRED ENVIRONMENTAL RESOURCE SURVEYS WILL NEED TO BE OBTAINED AND FILED BY THE CONTRACTOR. EXCESS WASTE PRODUCTS REMOVED FROM THE CONSTRUCTION SITE SHALL BE DISPOSED OF AS REQUIRED IN SECTION 202.03 OF THE STANDARD SPECIFICATIONS.

ANY PROTRUDING METAL BARS SHALL BE REMOVED PRIOR TO THE DISPOSAL OF BROKEN CONCRETE AT APPROVED DISPOSAL SITES.

THE REQUIRED ENVIRONMENTAL RESOURCE DOCUMENTATION SHALL INCLUDE THE FOLLOWING:

- BDE FORM 2289 (ENVIRONMENTAL SURVEY REQUEST)
- A LOCATION MAP SHOWING THE SIZE LIMITS AND LOCATION OF THE USE AREA
- SIGNED PROPERTY OWNER AGREEMENT FORM - D4 P10100
- COLOR PHOTOGRAPHS DEPICTING THE USE AREA
- BORROW AREA ENTRY AGREEMENT FORM - D4 P10101

PLEASE NOTE THAT A MINIMUM OF TWO WEEKS SHALL BE ALLOWED FOR THE DISTRICT TO OBTAIN THE REQUIRED ENVIRONMENTAL CLEARANCES.

BIKE TRAILS INSTALLED AT A CROSS SLOPE GREATER THAN 2.00% SHALL BE REMOVED AND REPLACED AT THE CONTRACTOR'S EXPENSE.

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DRAWN	TWA	REVISED
CHECKED	SDK	REVISED
DATE	3-25-15	REVISED

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EAST PEORIA BIKE TRAIL AND PEDESTRIAN BRIDGE for
CITY OF EAST PEORIA
SUMMARY OF QUANTITIES AND GENERAL NOTES

SCALE: SHEET NO. 2 OF 11 SHEETS STA. TO STA.

F.A. ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
-	10-00157-01-BR	TAZEWELL	11	2
FED PROJ. NO. TE-00D4(127)		CONTRACT NO. 89679		
ILLINOIS FEDERAL ROAD DIST. NO. 7				

EARTHWORK SUMMARY

<u>CLOCK TOWER DRIVE TO SPINDER DRIVE</u>	
EARTH EXCAVATION	59 C.Y.*
FILL	19 C.Y.**
WASTE - TOTAL	40 C.Y.

* EARTH EXCAVATION QUANTITIES FROM CROSS SECTIONS
** INCLUDES 20% SHRINKAGE FACTOR

SIGN SCHEDULE

LOCATION	SIGN	SIGN CODE	SIGN PANEL - TYPE 1 (SF)	WOOD SIGN SUPPORT (FOOT)
<u>CLOCK TOWER DR. TO SPINDER DR.</u>				
RT. STA. 128+08	WALK BIKES ONLY	R9-8	1.5	10
LT. STA. 129+70	NO MOTOR VEHICLES	R5-3	4.00	10
RT. STA. 129+70	STOP	R1-1	2.25	10
TOTAL			8 S.F.	30 FT.

HMA PAVING SCHEDULE

LOCATION	PAVING AREA (S.Y.)	AGG. BASE COURSE, 8" (S.Y.)	BIT. MAT'LS. (PRIME COAT) (LB.)	POLY. BIT. MAT'LS. (PRIME COAT) (LB.)	HOT-MIX ASPHALT BINDER CSE. IL-9.5, N30 (TON)	POLY. HOT-MIX ASPHALT SURF. CSE., MIX "C", N30 (TON)
<u>CLOCK TOWER DR. TO SPINDER DR.</u>						
LT. & RT. STA. 127+40 TO STA 129+80.45	159	170	850	531	24	14
PROJECT TOTALS		170 S.Y.	850 LB.	531 LB.	24 TON	14 TON

HMA QUANTITIES ESTIMATED USING 112 LBS./S.Y./INCH THICKNESS.
PRIME ESTIMATED USING .0025 TONS PER SQUARE YARD ON AGGREGATE BASE AND .0015 TONS PER SQUARE YARD ON HMA BINDER COURSE.

WOOD BOLLARDS, SPECIAL

LOCATION	QUANTITY
<u>CLOCK TOWER DR. TO SPINDER DR.</u> LT. & RT. STA. 128+08.18	2 EA.

AGGREGATE SHOULDER, SPECIAL, 4"

LOCATION	QUANTITY
<u>CLOCK TOWER DR. TO SPINDER DR.</u> LT. & RT. STA. 127+40 TO 129+80.45	54 S.Y.
	54 S.Y.

SEEDING SCHEDULE

FERTILIZER TO BE APPLIED @ 90 LB. PER ACRE @ 1-1-1 RATIO

LOCATION	TOPSOIL FURNISH AND PLACE (S.Y.)	SEEDING, CL. 1A (AC.)	NITROGEN FERTILIZER NUTRIENT (POUND)	PHOSPHORUS FERTILIZER NUTRIENT (POUND)	POTASSIUM FERTILIZER NUTRIENT (POUND)	MULCH METHOD 2 (ACRES)
<u>CLOCK TOWER DR. TO SPINDER DR.</u>						
STA. 127+40 TO STA. 129+80.45	256	0.1	2	2	2	0.1
	256 S.Y.*	0.1 AC.	2 LB.	2 LB.	2 LB.	0.1 AC.

* 256 S.Y. EQUATES TO 57 C.Y. OF TOPSOIL AT 4" THICK

FOLD DOWN BOLLARDS

LOCATION	QUANTITY
<u>CLOCK TOWER DR. TO SPINDER DR.</u> STA. 128+08.18	1 EA.

SIDEWALK REMOVAL

LOCATION	QUANTITY
<u>CLOCK TOWER DR. TO SPINDER DR.</u> STA. 129+80.45	98 S.F.

PERIMETER EROSION BARRIER, SPECIAL

LOCATION	QUANTITY
<u>CLOCK TOWER DR. TO SPINDER DR.</u> STA. 127+40 TO STA 129+80	240 FT.
	240 FT.

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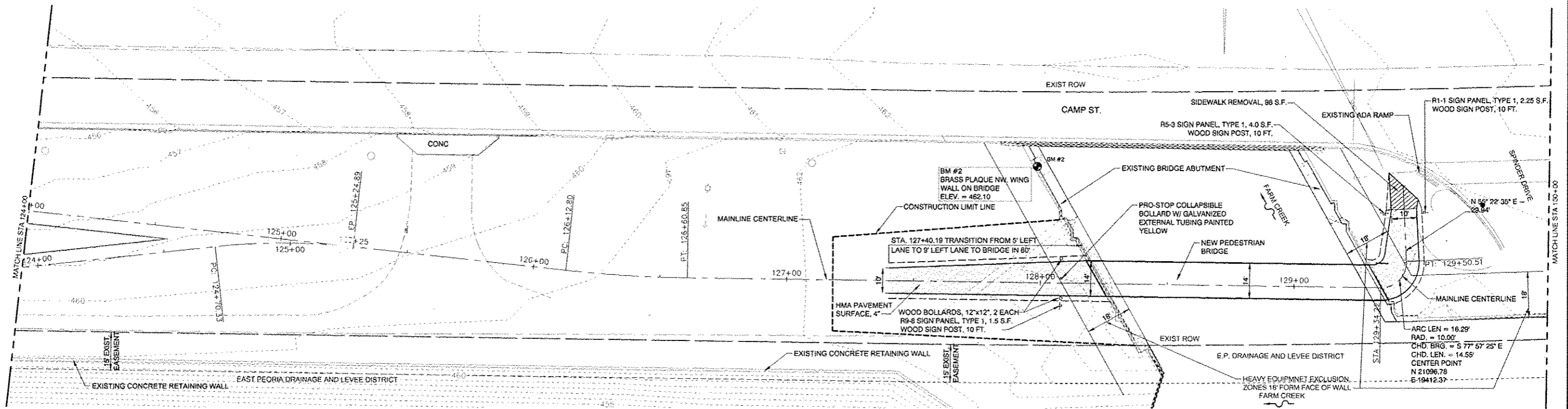
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DATE	3-25-15	REVISED

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

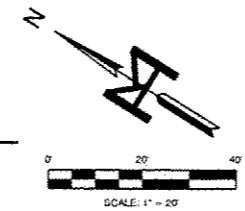
EAST PEORIA BIKE TRAIL AND PEDESTRIAN BRIDGE for
CITY OF EAST PEORIA
SCHEDULE OF QUANTITIES

SCALE: SHEET NO. 4 OF 11 SHEETS STA. TO STA.

F.A. ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
-	10-00157-01-BR	TAZEWELL	11	4
FED PROJ. NO. TE-00D4(127)			CONTRACT NO. 89679	
ILLINOIS FEDERAL ROAD DIST NO. 7				

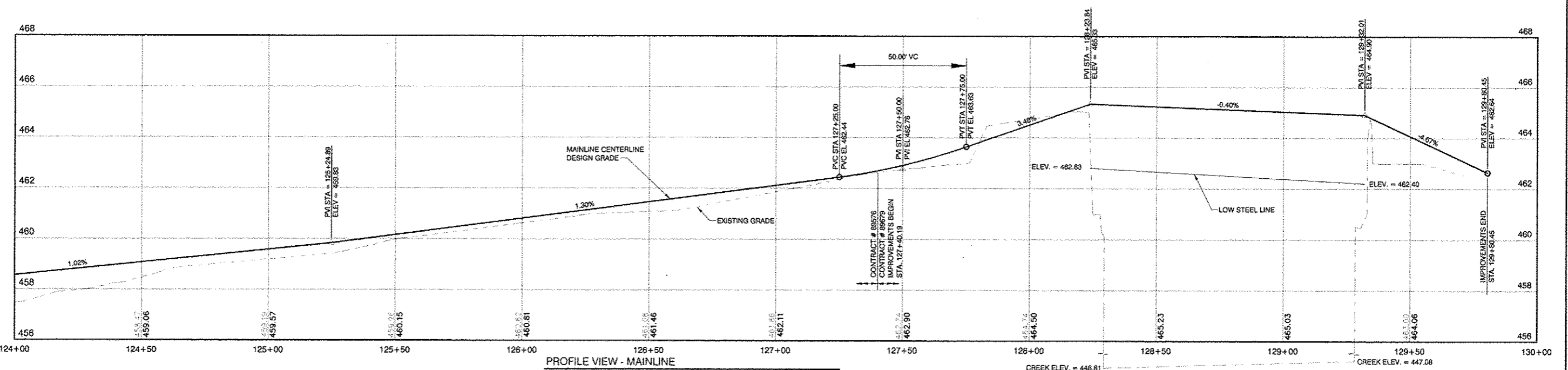


PLAN VIEW
SCALE: 1" = 20'



LEGEND

- EXIST. RIGHT OF WAY LINE
- EASEMENT LINE
- CENTERLINE OF ROAD
- EXIST. WATER MAIN
- EXIST. SANITARY SEWER
- EXIST. GAS MAIN
- EXIST. STORM INLET
- EXIST. LIGHT
- EXIST. MANHOLE
- EXIST. HAND HOLE
- EXIST. SIGN



PROFILE VIEW - MAINLINE
SCALE: 1" = 20' HOR
1" = 2' VER

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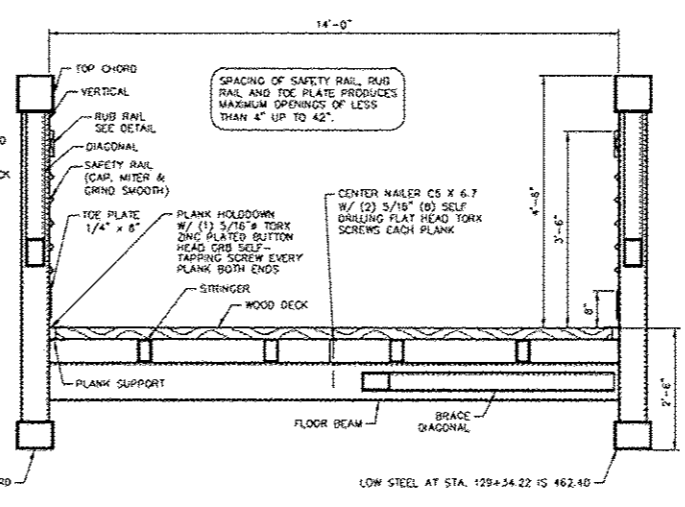
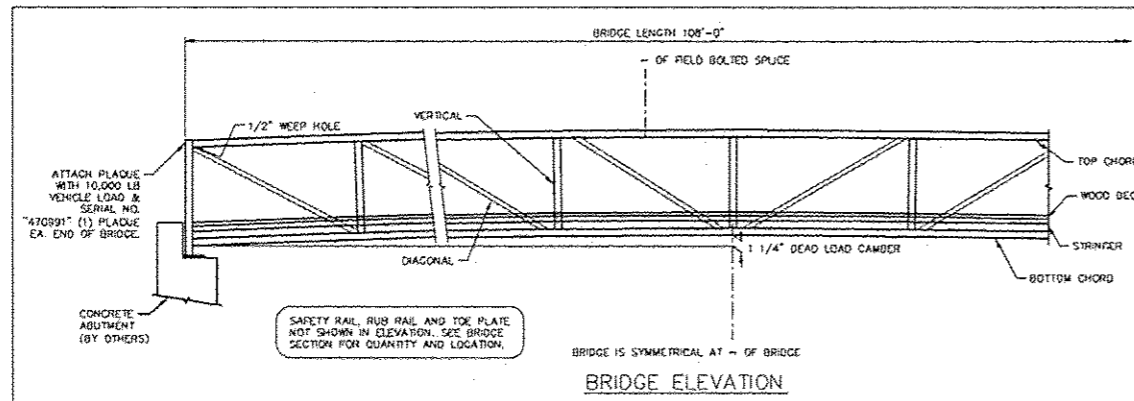
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DESIGNED	SDK	REVISED
DRAWN	TWA	REVISED
CHECKED	SDK	REVISED
DATE	3-25-15	REVISED

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EAST PEORIA BIKE TRAIL AND PEDESTRIAN BRIDGE for
CITY OF EAST PEORIA
PLAN AND PROFILE VIEW
SCALE: 1" = 20' SHEET NO. 5 OF 11 SHEETS STA. 124+00 TO STA. 129+80.45

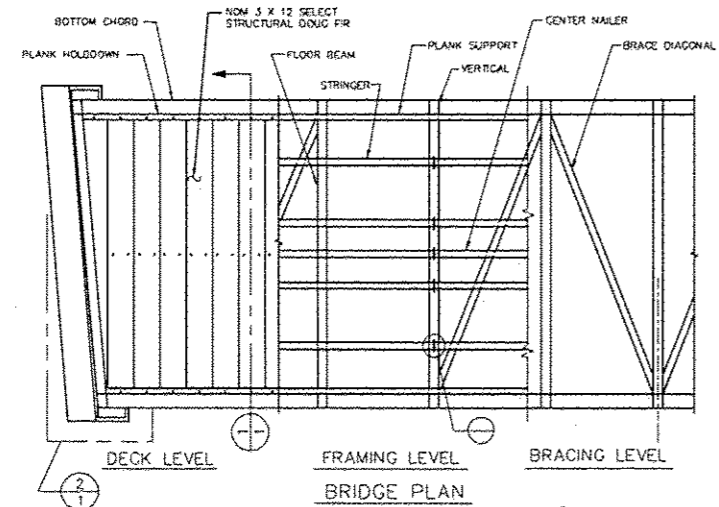
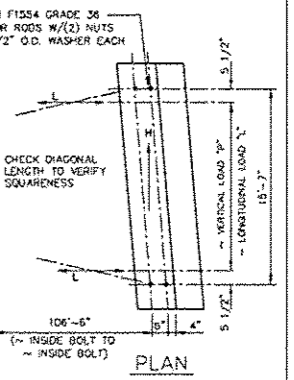
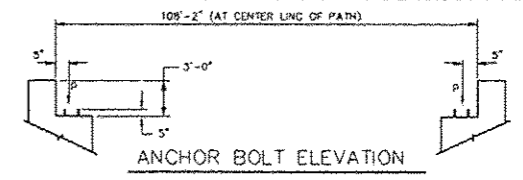
F.A. ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
-	10-00157-01-BR	TAZEVELL	11	5
FED PROJ. NO. TE-00D4(127)		CONTRACT NO. 89679		
ILLINOIS FEDERAL ROAD DIST. NO. 7				



COMBINE REACTIONS AS PER LOCAL OR GOVERNING BUILDING CODES AS REQUIRED

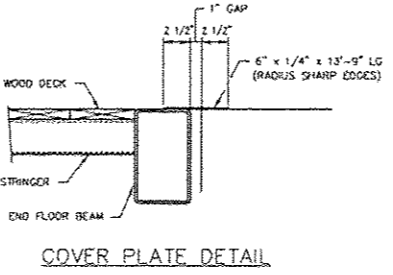
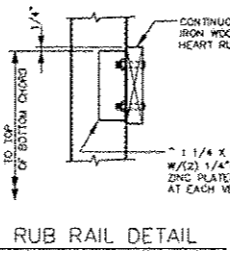
BRIDGE REACTIONS	DOWNWARD LOAD			UPWARD LOAD		
	P (LBS)	H (LBS)	L (LBS)	P (LBS)	H (LBS)	L (LBS)
DEAD LOAD	17,250					
UNIFORM LIVE LOAD 85 PSF	34,020					
VEHICLE LOAD	10,000					
WIND UPLIFT 20 PSF	-12,420					
THERMAL		4,320	14,020			2,590

BRIDGE LIFTING WEIGHT: 69,000 LBS

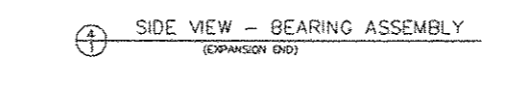
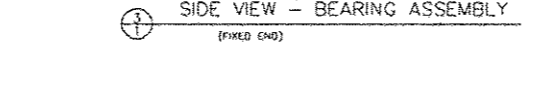
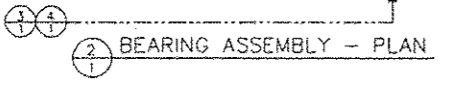
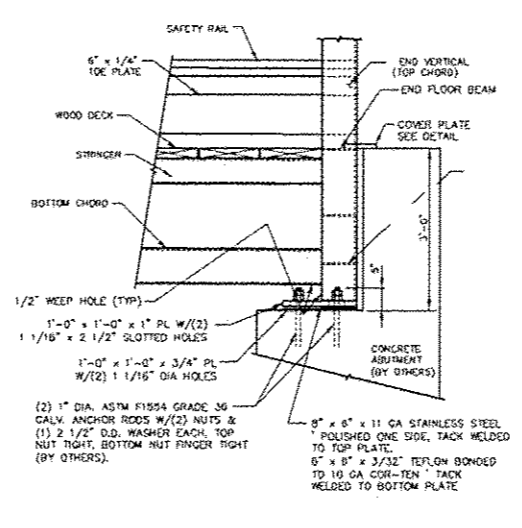
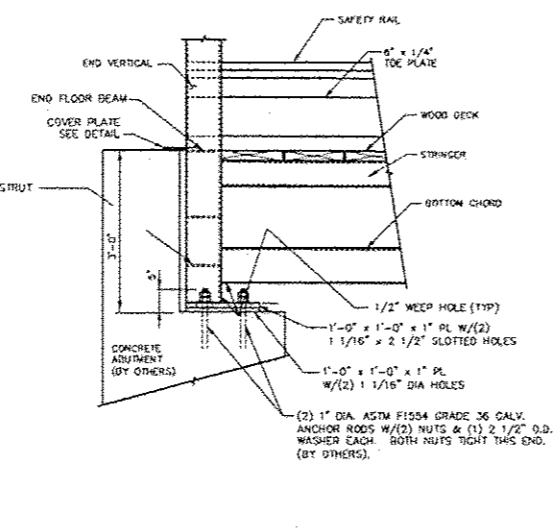
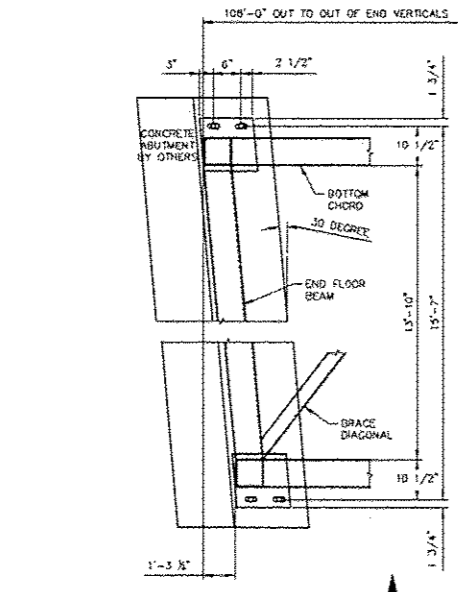


ANCHOR BOLT PLACEMENT MAY VARY AFTER FINAL DESIGN

CAUTION:
WE ARE PROVIDING A WOOD DECK ON THIS STRUCTURE IN ACCORDANCE WITH THE SPECIFICATIONS AND/OR THE CONTRACT DOCUMENTS. BE AWARE THAT MOST PEDESTRIAN BRIDGE LIABILITY CLAIMS ARE STATISTICALLY SLIP AND FALL CLAIMS. IT IS THE OWNER'S RESPONSIBILITY TO KEEP THE DECK FREE FROM SLIP OR TRIP HAZARDS DUE TO CURPING, SPLITS, GAPS AND SMOOTH SURFACES.



BRIDGE TO HAVE A 30 DEGREE SKEW ON BOTH ENDS OF BRIDGE



REV. BY: DATE: LEVEL: REVISION:
108' x 14'-0"
EAST PEORIA MULTI-USE
PEDESTRIAN BRIDGE
EAST PEORIA, IL

I CERTIFY THAT TO THE BEST OF MY KNOWLEDGE, INFORMATION AND BELIEF THIS BRIDGE DESIGN IS STRUCTURALLY ADEQUATE FOR THE DESIGN LOADS SHOWN ON THE PLANS AND COMPLIES WITH THE REQUIREMENTS OF THE CONTRACT AND THE CURRENT ILLINOIS GUIDE SPECIFICATIONS FOR DESIGN OF PEDESTRIAN BRIDGES.
I HEREBY CERTIFY THAT THIS PLAN WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND THAT I AM A FULLY LICENSED STRUCTURAL ENGINEER UNDER THE LAWS OF THE STATE OF ILLINOIS

DESIGNED BY:	DRAWN BY:	CHECKED BY:	APPROVED BY:
	DJB		
DATE:	SHEET NO. 1 OF 1	JOB # 470991	
9/26/12			

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DESIGNED	SKK	REVISED
DRAWN	TWA	REVISED
CHECKED	SKK	REVISED
DATE	3-25-15	REVISED

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

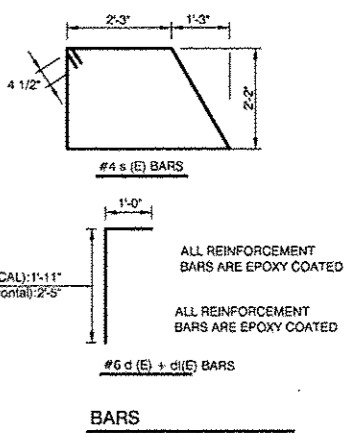
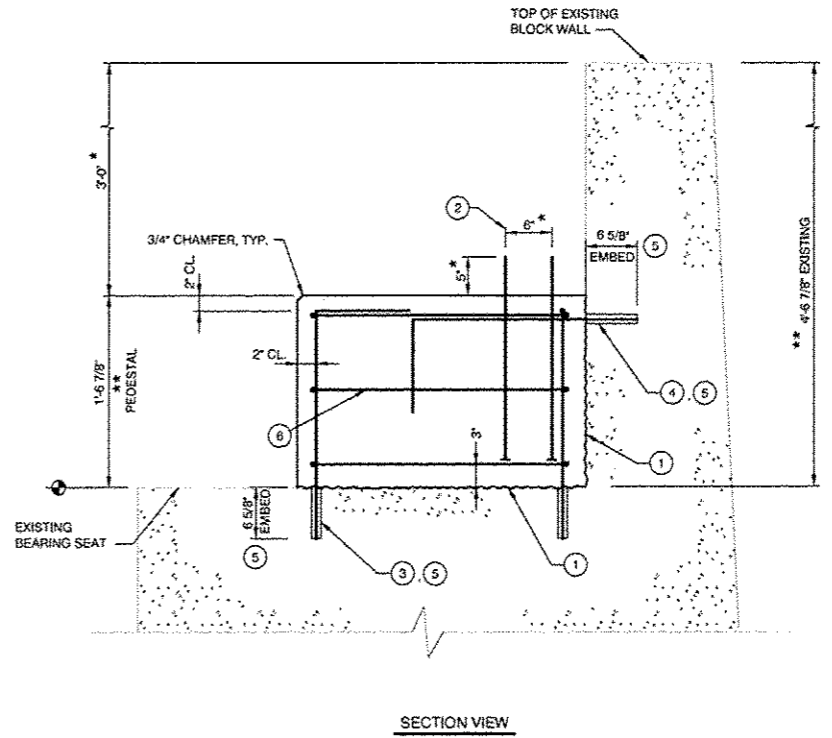
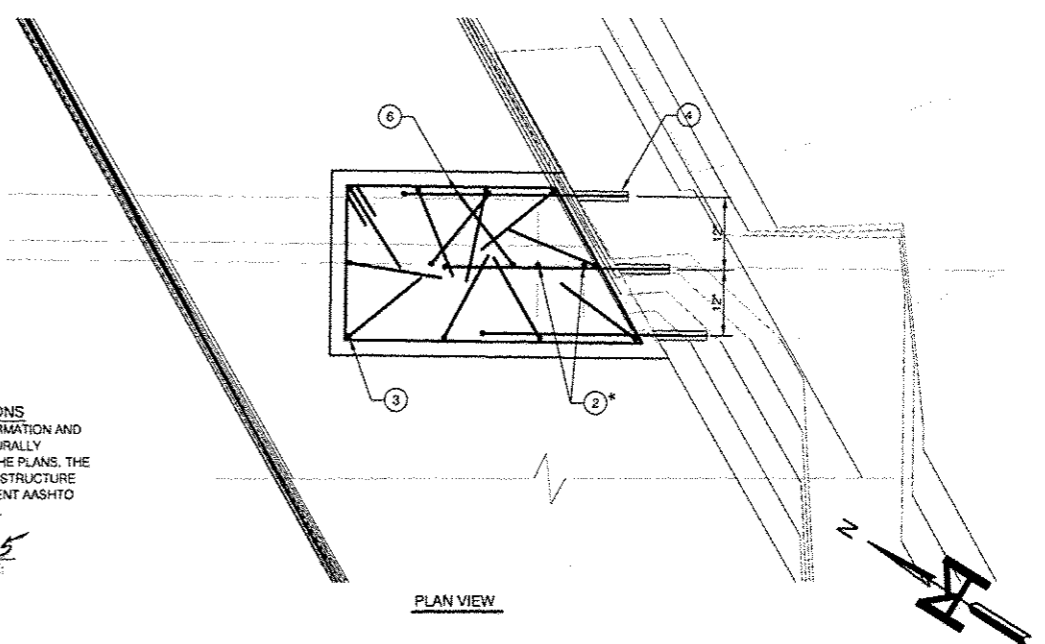
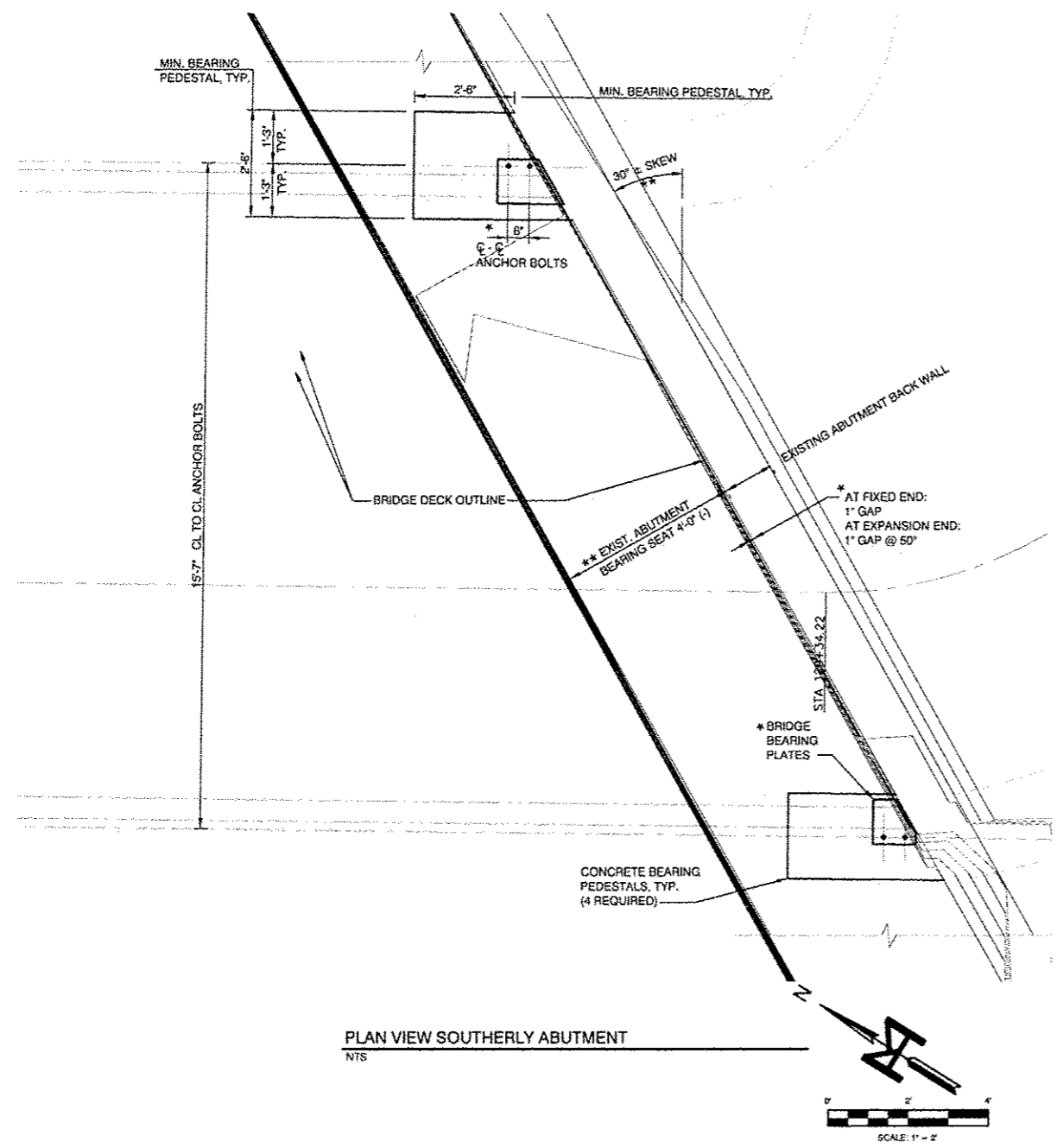
EAST PEORIA BIKE TRAIL AND PEDESTRIAN BRIDGE for
CITY OF EAST PEORIA
PEDESTRIAN BRIDGE DETAILS
SCALE: 1" = 20' SHEET NO. 6 OF 11 SHEETS STA. TO STA.

F.A. ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	10-00157-01-BR	TAZEWELL	11	6
FED PROJ. NO. TE-00D4(127)		CONTRACT NO. 89679		
ILLINOIS FEDERAL ROAD DIST NO. 7				



ABUTMENT REPAIR & BEARING MODIFICATIONS
 I CERTIFY THAT TO THE BEST OF KNOWLEDGE, INFORMATION AND RELIEF, THIS BRIDGE ABUTMENT DESIGN IS STRUCTURALLY ADEQUATE FOR THE DESIGN LOADING SHOWN ON THE PLANS. THE DESIGN IS AN ECONOMICAL ONE FOR THE STYLE OF STRUCTURE AND COMPLIES WITH REQUIREMENTS OF THE CURRENT AASHTO STANDARD SPECIFICATIONS FOR HIGHWAY BRIDGES.

Philip J. Lane / DATE: 4/15
 PHILIP J. LANE
 ILLINOIS LICENSE STRUCTURAL ENGINEER NO. 4084
 (LICENSE EXPIRES 11/30/16)
 (shts 7, 11 & f 11)



- KEY NOTES**
- 1) ROUGHENED BONDED CONSTRUCTION JOINTS
 - 2) 2 - 1" Ø GALV. ASTM F1554 GRADE 36 ANCHOR RODS WITH HEAVY HEX NUT TACK WELDED TO BOTTOM END; *1'-10" MIN. LENGTH. AT TOP OF BOLT USE TWO NUTS AND 2 1/2" O.D. GALVANIZED WASHERS, TYPICAL. TIGHTEN PER BRIDGE MFG'S INSTRUCTIONS
 - 3) 12 - #6 d (E) BARS IN A REGULAR PATTERN; DRILL AND GROUT INTO BEARING SEAT (5). ROTATE HOOKS FOR CLEARANCE SPACE TO MISS ANCHOR BOLTS (2).
 - 4) 3 - #6 d1 (E) BARS @ 12" CENTERS; DRILL AND GROUT INTO EXISTING CONCRETE BLOCK WALL (5)
 - 5) USE CHEMICAL ADHESIVE IN ACCORDANCE WITH IDOT APPROVED LIST. THE 6 5/8" MINIMUM EMBED. IS BASED ON HILTI "HVA" DATA. INCREASE EMBED, IF REQUIRED TO OBTAIN EQUAL TENSION AND SHEAR CAPACITY.
 - 6) 3 - #4 s (E) CLOSED TIES @ 6" ON CENTER

- NOTES**
- 1.) * VERIFY WITH MANUFACTURER'S APPROVED SHOP DRAWINGS AND REPORT ANY DISCREPANCIES TO ENGINEER PRIOR TO BEGINNING CONSTRUCTION.
 - 2.) ** FIELD VERIFY EXISTING ABUTMENTS PRIOR TO BRIDGE FABRICATION.
 - 3.) CONCRETE STRUCTURES: CLASS SJ, $f_c = 3500$ PSI
 - 4.) REINFORCEMENT BARS: GRADE 60, EPOXY COATED.
 - 5.) FOUNDATION DESIGN BASE ON REACTIONS PROVIDED IN PRELIMINARY BRIDGE DESIGN BY CONTINENTAL BRIDGE. (SEE *, ABOVE). THE DESIGN REACTIONS ARE:

COMBINE REACTIONS AS PER LOCAL OR GOVERNING BUILDING CODES AS REQUIRED

BRIDGE REACTION	DOWNWARD LOAD		
	P (LBS)	H (LBS)	L (LBS)
DEAD LOAD	17,250		
UNIFORM LIVE LOAD, 85 PSF	34,020		
VEHICLE LOAD	10,000		
WIND UPLIFT, 20 PSF	-12,420		
WIND	±4320	14,020	
THERMAL			2,590

"P" - VERTICAL LOAD EACH BASE PLATE (4 PER BRIDGE)
 "H" - HORIZONTAL LOAD EACH FOOTING (2 PER BRIDGE)
 "L" - LONGITUDINAL LOAD EACH BASE PLATE (4 PER BRIDGE)

BRIDGE LIFTING WEIGHT: 69,000 LBS

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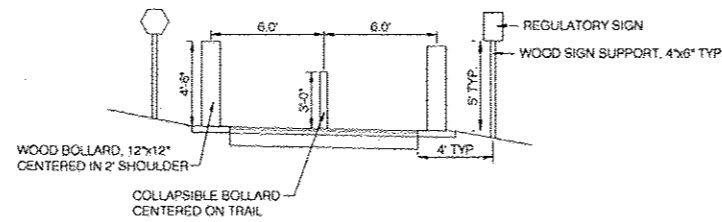
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CHECKED	SDK	REVISED
DATE	3-25-15	REVISED

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

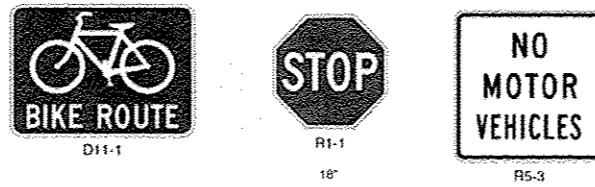
EAST PEORIA BIKE TRAIL AND PEDESTRIAN BRIDGE for
 CITY OF EAST PEORIA
 PEDESTRIAN BRIDGE DETAILS

SCALE: SHEET NO. 7 OF 11 SHEETS STA. - TO STA. -

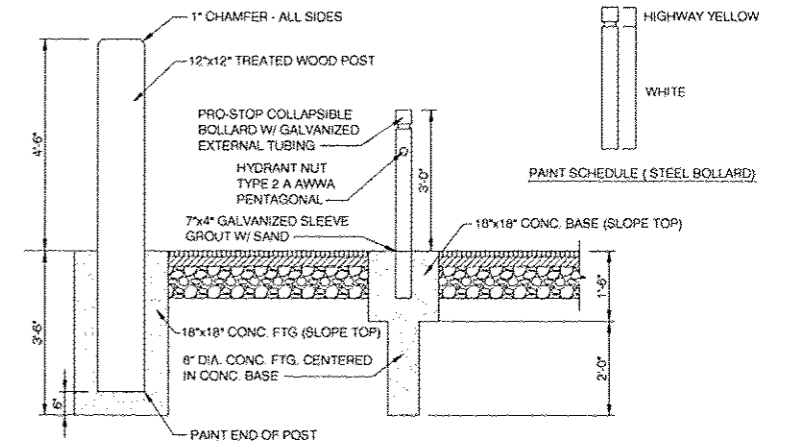
F.A. ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
-	10-00157-01-BR	TAZEWELL	11	7
FED PROJ. NO. TE-00D4(127)		CONTRACT NO. 89679		
ILLINOIS FEDERAL ROAD DIST NO. 7				



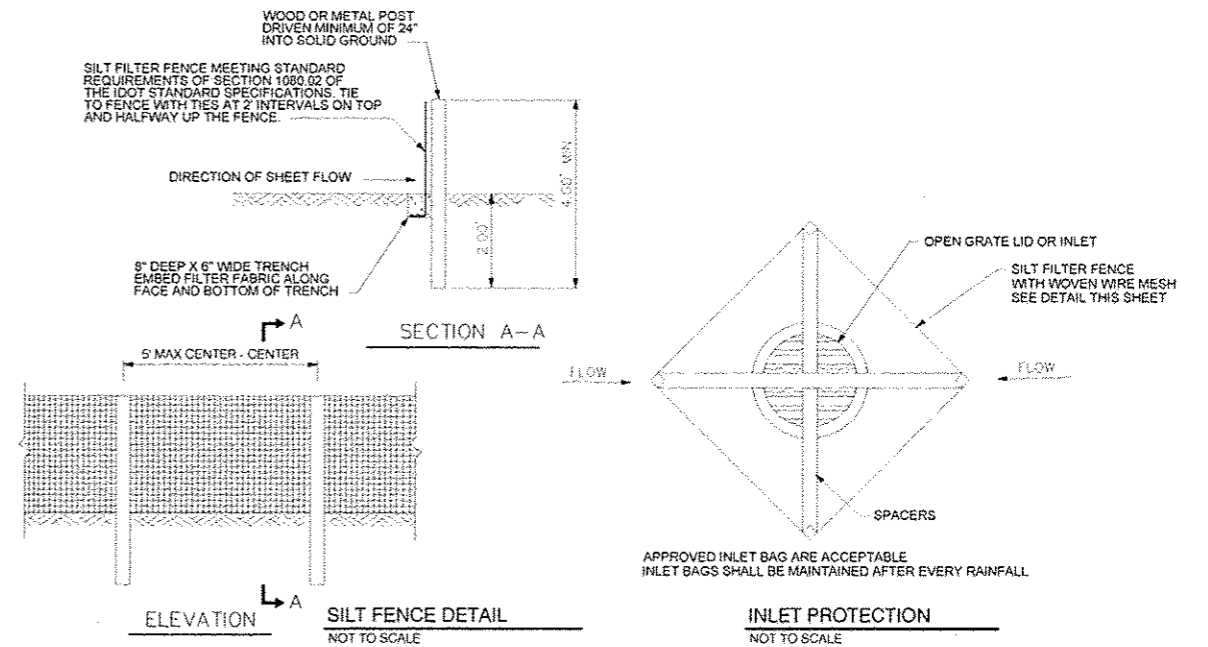
SIGN/BOLLARD PLACEMENT DETAIL
N.T.S.



MUTCD SIGN REFERENCES
N.T.S.



BOLLARD INSTALLATION DETAIL
N.T.S.



STORM WATER POLLUTION PREVENTION PLAN
N.T.S.

USBRERY:\proj\10-000\Myer EP Bike Trail\DWG\BROUKE PLANS & CONSTRUCTION DETAILS.dwg, Mar 24, 2015

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CHECKED	SDK	REVISED
DATE	3-25-15	REVISED

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EAST PEORIA BIKE TRAIL AND PEDESTRIAN BRIDGE for
CITY OF EAST PEORIA
CONSTRUCTION DETAILS

F.A. ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	10-00157-01-BR	TAZEWELL	11	8
FED PROJ. NO. TE-00D4(127)			CONTRACT NO. 89679	
ILLINOIS FEDERAL ROAD DIST NO. 7				

SCALE: SHEET NO. 8 OF 11 SHEETS STA. TO STA.

MAINTENANCE

ALL EROSION CONTROL DEVICES AND MEASURES SHALL BE MAINTAINED IN FULLY FUNCTIONAL CONDITION UNTIL THE SITE OR SECTIONS OF THE SITE ARE STABILIZED. ALL EROSION CONTROL DEVICES AND MEASURES SHALL BE INSPECTED ONCE PER WEEK AND WITHIN 24 HOURS OF ANY STORM EVENT EXCEEDING 0.5" RAIN. INSPECTION REPORTS SHALL BE MAINTAINED ON SITE AND SHALL BE PRODUCED UPON REQUEST OF ANY LOCAL, STATE OR FEDERAL INSPECTOR. THE FOLLOWING SHALL BE THE MINIMUM MAINTENANCE REQUIREMENTS:

AN INLET OR PIPE PROTECTION OR PERIMETER EROSION BARRIER THAT SHOWS SIGNS OF DETERIORATION OR UNDERMINING SHALL BE REPLACED OR REPAIRED.

ANY SEEDED AREAS THAT SHOW SIGNS OF GULLYS OR EROSION SHALL BE REGRADED, RESEED, WATERED AND FERTILIZED AS REQUIRED TO MAINTAIN A COVER THAT IS ADEQUATE TO PREVENT EROSION.

SEDIMENT SHALL BE REMOVED FROM PERIMETER EROSION BARRIER WHEN SILT REACHES ONE HALF THE HEIGHT OF THE FENCE.

CONSTRUCTION ENTRANCES SHALL BE MAINTAINED TO PREVENT TRACKING OF MUD ONTO THE RIGHT OF WAY OR PUBLIC PARKING LOTS. TOP DRESSING MAY BE REQUIRED ON THE CONSTRUCTION ENTRANCES.

ANY MUD OR DEBRIS TRACKED ON A PUBLIC ROAD SHALL BE REMOVED BY THE CONTRACTOR TO THE SATISFACTION OF THE JURISDICTIONAL BODY OF THE ROAD. THIS SHALL BE AT NO ADDITIONAL COST TO THE OWNER.

EROSION CONTROL NOTES

THE CONTRACTOR SHALL HAVE WRITTEN DOCUMENTATION OF ALL INSPECTIONS AND REPAIRS.

THE STORMWATER POLLUTION PREVENTION PLAN (SWPPP) IS COMPRISED OF THE PLAN SHEETS, STANDARD DETAILS, PERMITS AND ALL REPORTS AND RELATED DOCUMENTS.

ALL CONTRACTORS AND SUBCONTRACTORS SHALL OBTAIN A COPY OF THE SWPPP AND BECOME FAMILIAR WITH THE REQUIREMENTS.

CONTRACTOR SHALL IMPLEMENT BEST MANAGEMENT PRACTICES AS REQUIRED BY THE SWPPP. ADDITIONAL BEST MANAGEMENT PRACTICES SHALL BE IMPLEMENTED AS CONDITIONS DICTATE AT NO ADDITIONAL COST TO THE OWNER.

CONTRACTOR SHALL LIMIT CLEARING TO THE MINIMUM PRACTICAL EXTENT AND AS REQUIRED BY THE GENERAL PERMIT.

DUST ON THE SITE SHALL BE CONTROLLED AT NO ADDITIONAL COST TO THE OWNER.

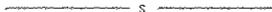


DISTURBED PORTIONS OF THE SITE WHERE CONSTRUCTION ACTIVITY WILL BE TEMPORARILY STOPPED FOR AT LEAST 21 DAYS SHALL BE TEMPORARILY SEEDED NO LATER THAN 14 DAYS AFTER THE LAST CONSTRUCTION ACTIVITY.

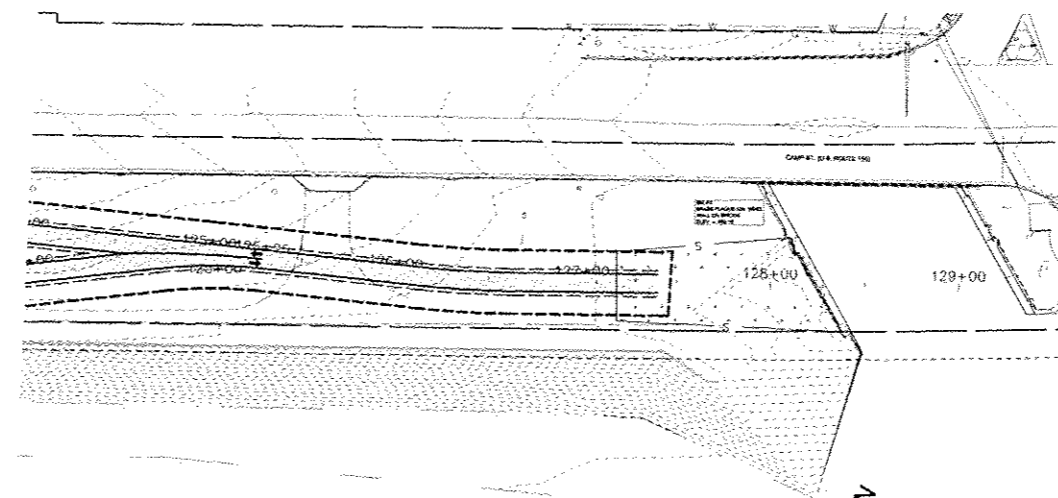
DISTURBED PORTIONS OF THE SITE WHERE CONSTRUCTION ACTIVITY HAS PERMANENTLY STOPPED SHALL BE PERMANENT SEEDED NO LATER THAN 14 DAYS AFTER THE LAST CONSTRUCTION ACTIVITY.

CONTRACTOR SHALL BE REQUIRED TO REMOVE ANY COLLECTED SEDIMENT FROM DETENTION PONDS, SILT BASINS, AND STORM SEWERS AT NO ADDITIONAL COST TO THE OWNER UNTIL THE SITE IS STABILIZED.

DUE TO GRADE CHANGES DURING THE CONSTRUCTION ACTIVITY, THE CONTRACTOR MAY BE REQUIRED TO ADJUST SILT FENCES, STRAW BALES, ETC. AT NO ADDITIONAL COST TO THE OWNER.

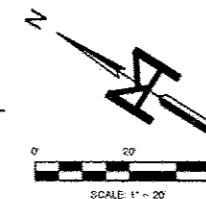
EROSION CONTROL LEGEND

- PERIMETER EROSION BARRIER 
- INLET AND PIPE PROTECTION 
- IDOT CLASS 7 SEEDING (TEMPORARY SEEDING) 



PLAN VIEW - CLOCK TOWER DR. TO SPINDLER DR.

SCALE: 1" = 50'



SEQUENCE OF CONSTRUCTION

1. INSTALL PERIMETER EROSION BARRIER
2. CLEAR AND GRUB WITHIN CONSTRUCTION LIMITS
3. GRADE SITE
4. BEGIN BIKE TRAIL/BRIDGE CONSTRUCTION
5. TEMPORARY SEED BARE AREAS
6. PAVE BIKE TRAIL
7. COMPLETE GRADING AND FINAL SEED
8. REMOVE TEMPORARY EROSION DEVICES ONCE SITE IS STABILIZED
- 9.

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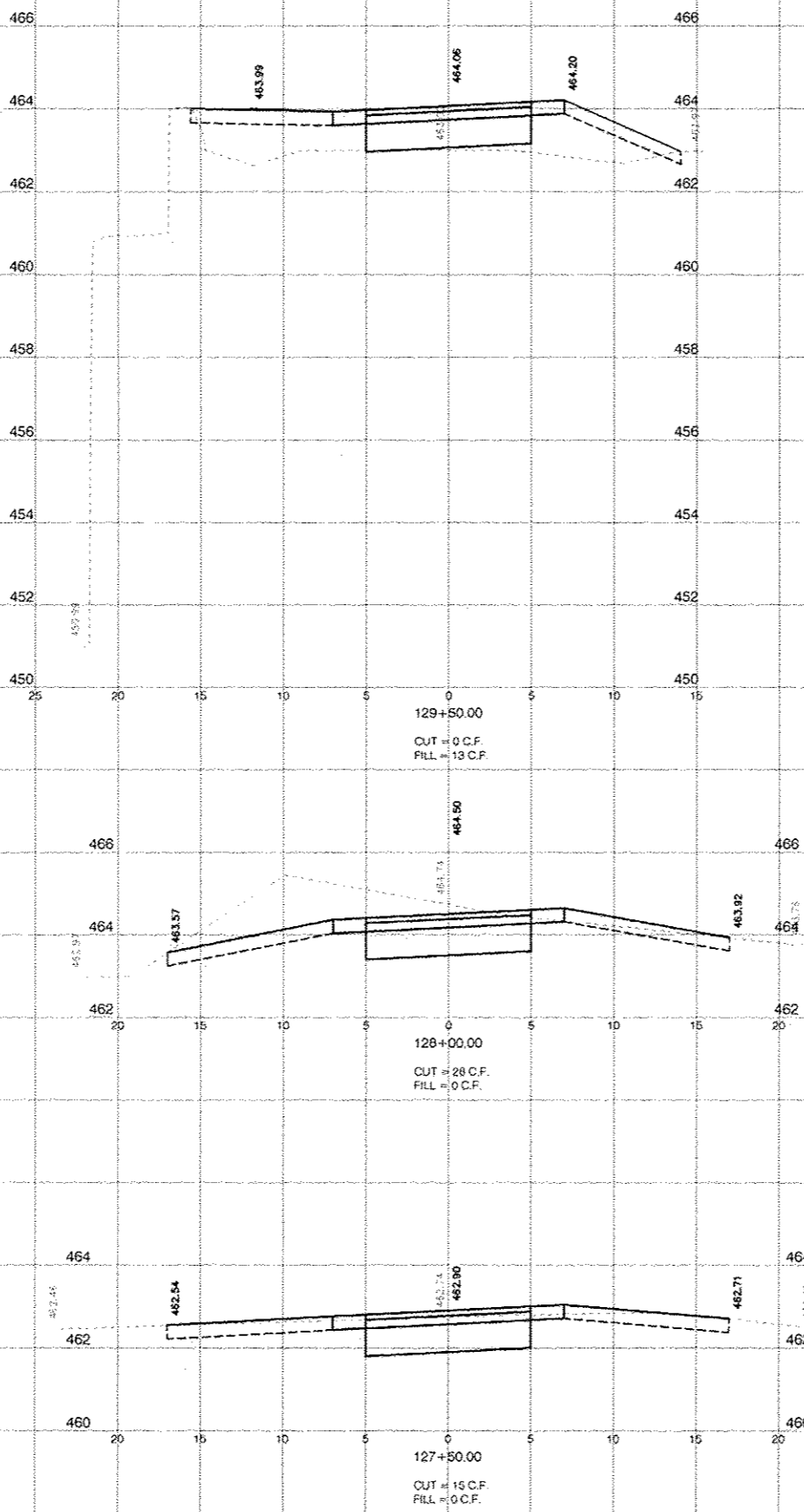
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CHECKED	SDK	REVISED
DATE	3-25-15	REVISED

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EAST PEORIA BIKE TRAIL AND PEDESTRIAN BRIDGE for
CITY OF EAST PEORIA
STORM WATER POLLUTION PREVENTION PLAN
SCALE: 1" = 20' SHEET NO. 9 OF 11 SHEETS STA. 124+00 TO STA. 129+45

F.A. ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
-	10-00157-01-BR	TAZEWELL	11	9
FED PROJ. NO. TE-00D4(127)		CONTRACT NO. 89679		
ILLINOIS FEDERAL ROAD DIST NO. 7				

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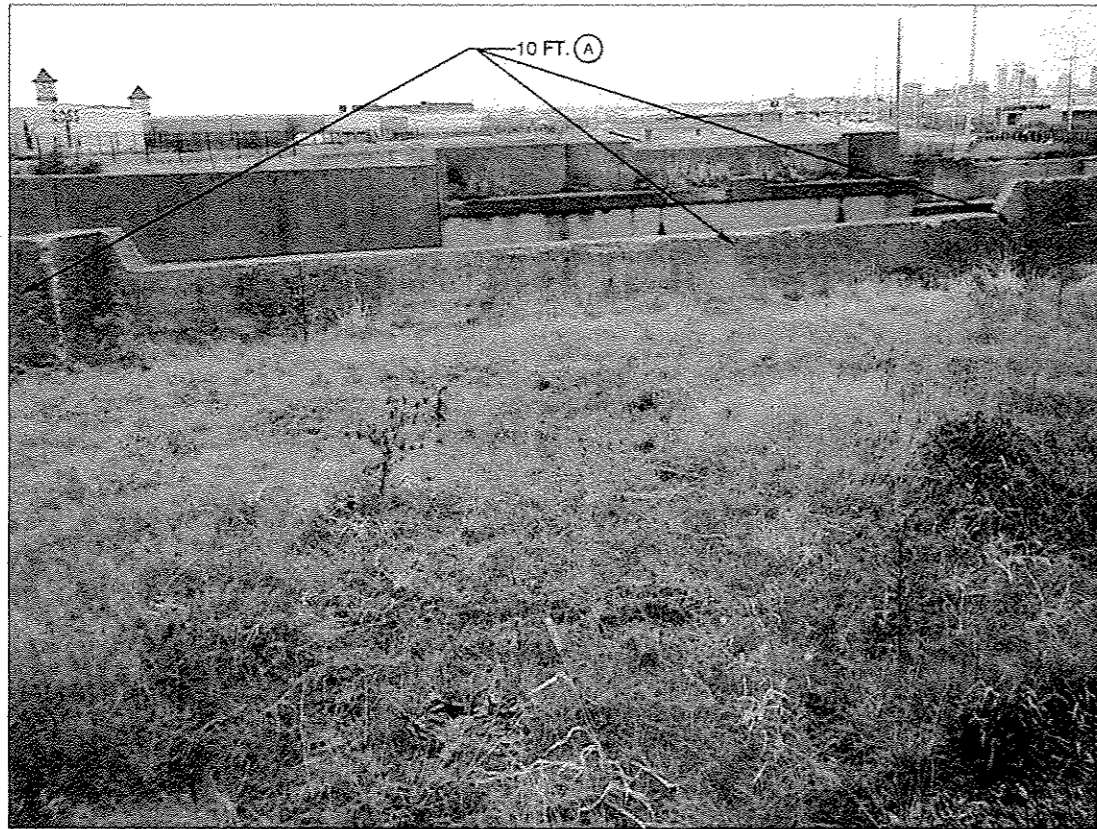
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CHECKED	SDK	REVISED
DATE	3-25-15	REVISED

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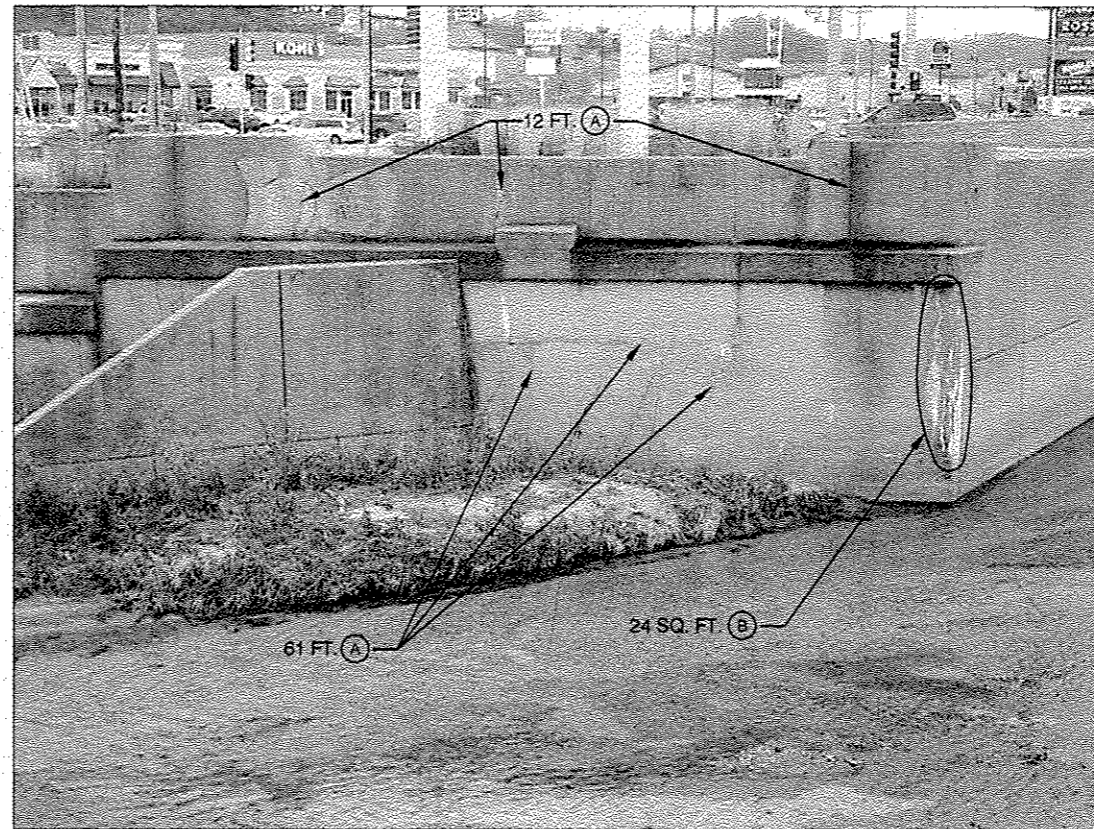
EAST PEORIA BIKE TRAIL AND PEDESTRIAN BRIDGE for
CITY OF EAST PEORIA
CROSS SECTIONS

SCALE: SHEET NO. 10 OF 11 SHEETS STA 127+50 TO STA. 129+50

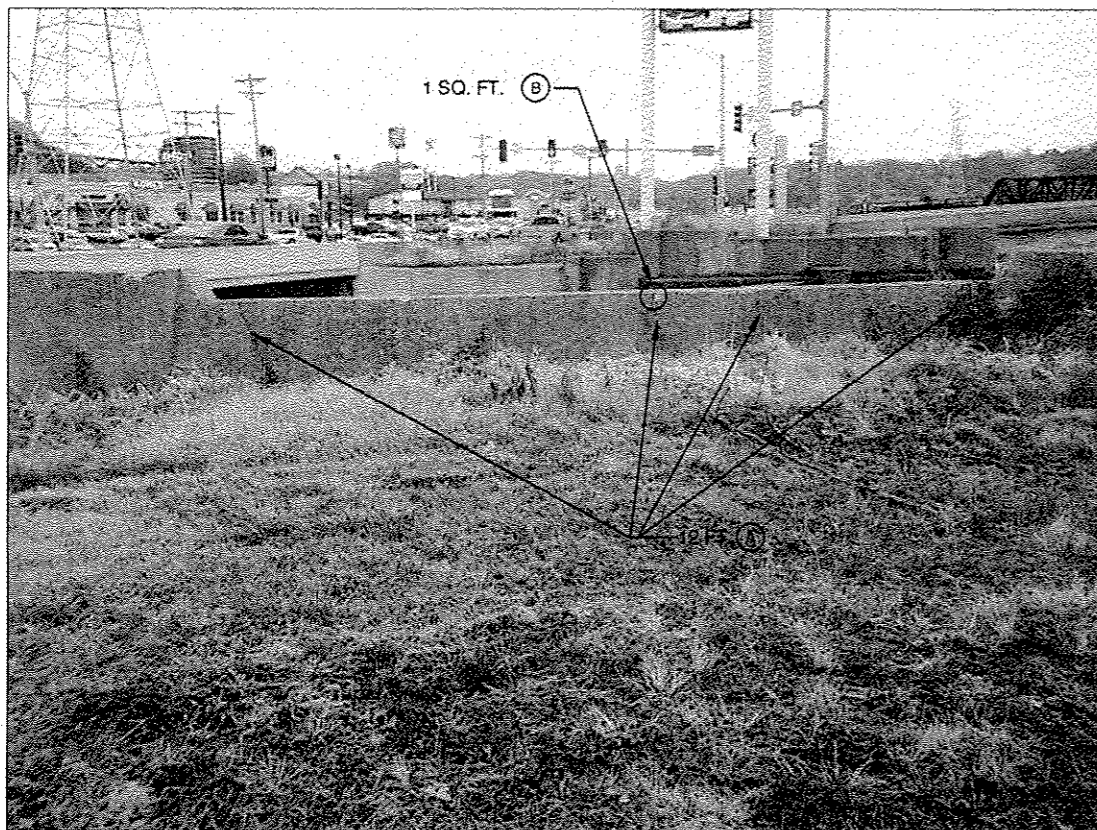
F.A. ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
-	10-00157-01-BR	TAZEWELL	11	10
FED PROJ. NO. TE-00D4(127)			CONTRACT NO. 89679	
ILLINOIS FEDERAL ROAD DIST NO. 7				



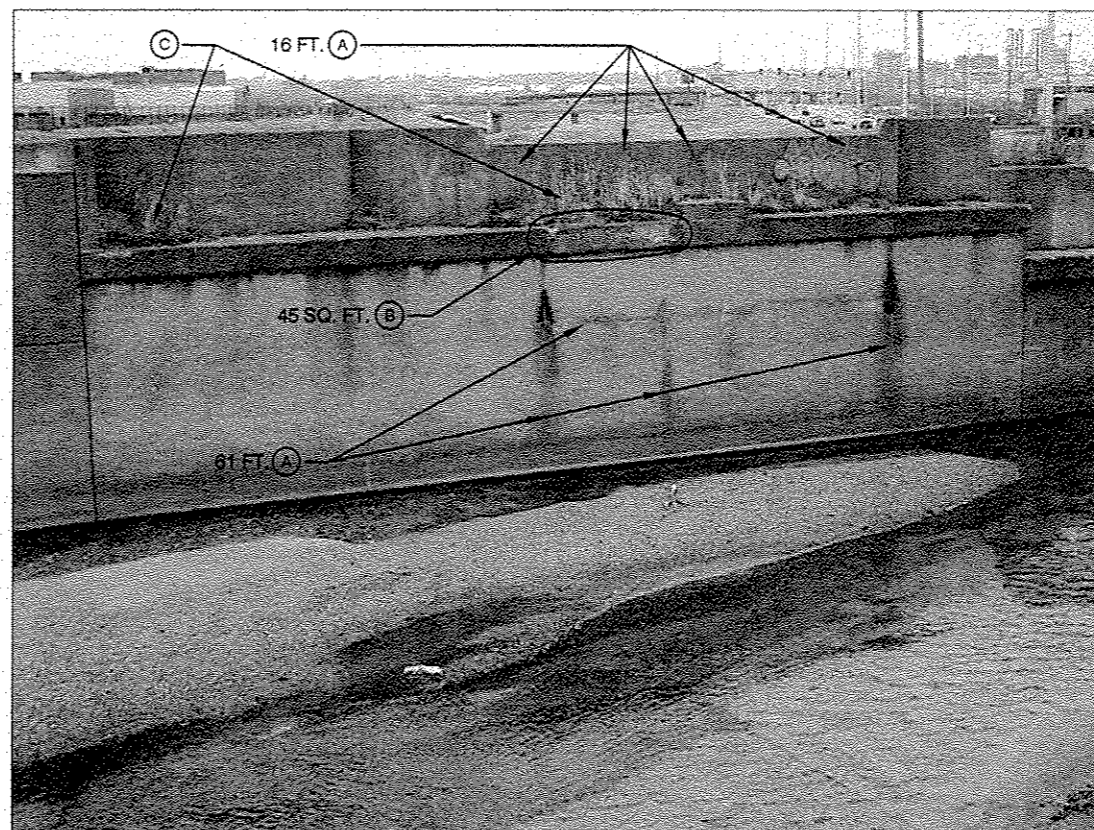
EAST ABUTMENT - BACK OF BACK WALL (LOOKING WEST)



EAST ABUTMENT - FRONT FACE (LOOKING EAST)



WEST ABUTMENT - BACK OF BACK WALL (LOOKING EAST)



WEST ABUTMENT - FRONT FACE (LOOKING WEST)

BILL OF MATERIALS

ITEM	UNIT	WEST ABUTMENT	EAST ABUTMENT	TOTAL
(A)	FT.	89	83	172
(B)	SQ. FT.	46	24	70

KEY

- (A) : EPOXY CRACK INJECTION IN ACCORDANCE WITH SECTION 590 OF THE IDOT STANDARD SPECIFICATIONS.
- (B) : STRUCTURAL REPAIR OF CONCRETE (DEPTH GREATER THAN 5 INCHES) IN ACCORDANCE WITH IDOT GUIDE BRIDGE SPECIAL PROVISIONS.
- (C) : REMOVE DEBRIS FROM WEST ABUTMENT BEARING SEAT, THROUGHOUT. (INCLUDED IN COST OF ITEM B)

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EAST PEORIA BIKE TRAIL AND PEDESTRIAN BRIDGE for
 CITY OF EAST PEORIA
 BRIDGE REPAIR - ABUTMENT REPAIR SHEET

SCALE	SHEET NO. 11 OF 11 SHEETS	STA.	TO STA.	F.A. ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
					10-00157-01-BR	TAZEWELL	11	11
FED PROJ. NO. TE-00D4(127)						CONTRACT NO. 89679		
ILLINOIS FEDERAL ROAD DIST NO. 7								