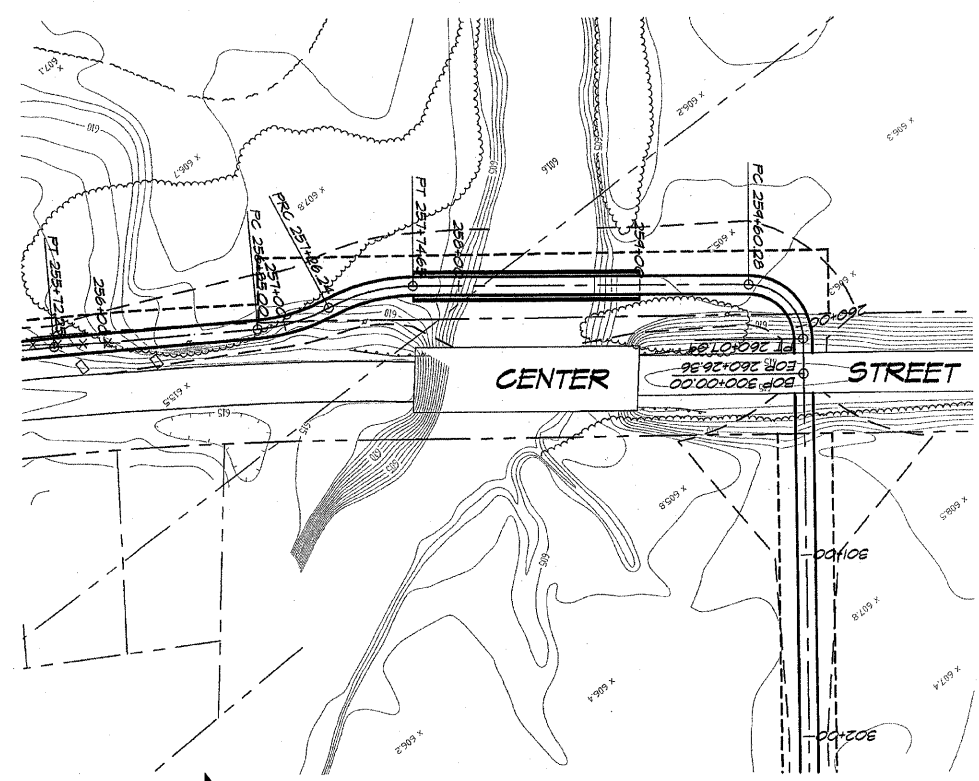
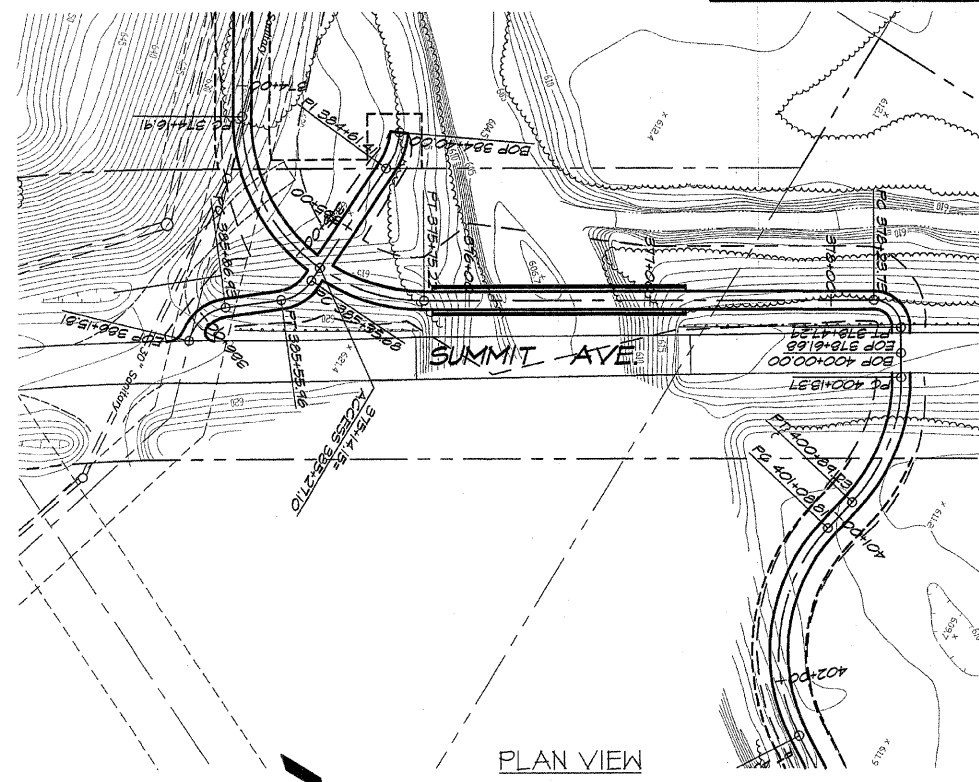


ROUTE NO.	SECTION	CITY	TOTAL SHEETS	SHEET NO.
STEVENS CREEK BIKEWAY	99-PA000-00-BP	DECATUR PARK DIST	145	31
FED. ROAD DIST. NO.	ILLINOIS		PROJECT TE-0007(27)	



PLAN VIEW
CENTER STREET BRIDGE
FABRICATED BRIDGE NO. 1
STA. 257+76 TO 258+99
SCALE: 1" = 50'

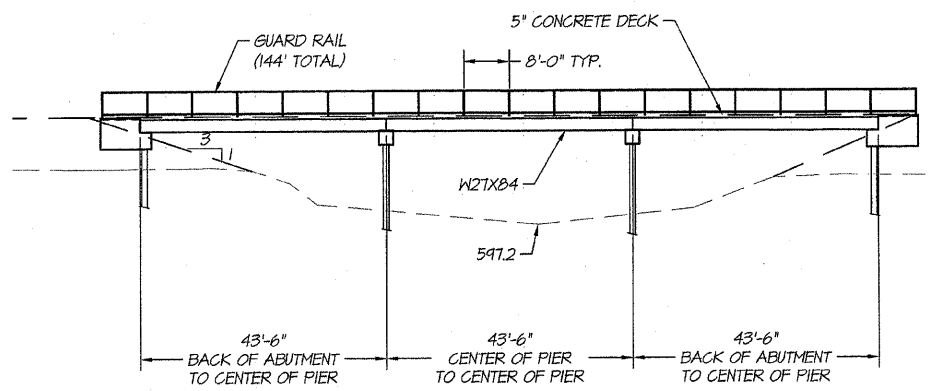


PLAN VIEW
SUMMIT STREET BRIDGE
FABRICATED BRIDGE NO. 2
STA. 315+83 TO 317+24
SCALE: 1" = 50'

- NOTES:
1. CONCRETE SHALL BE FURNISHED IN ACCORDANCE WITH SECTION 503 OF THE STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION (ADOPTED JANUARY 1, 2002).
 2. REINFORCEMENT BARS SHALL CONFORM TO THE REQUIREMENTS OF AASHTO M61 OR M322, GRADE 60.
 3. ALL STRUCTURAL STEEL SHALL BE AASHTO M-270 GRADE 50W (EXCEPT EXPANSION JOINT PLATES AND ATTACHED BARS WHICH SHALL BE AASHTO M270 GRADE 50).
 4. THE BRIDGE IS DESIGNED FOR 85 LBS./SQ. FT. OF PEDESTRIAN LOADING AND H15-44 TRUCK LOADING.
 5. CHAIN LINK FENCING FABRIC SHALL BE FURNISHED IN ACCORDANCE WITH ARTICLE 706.21, (A), (4) "TYPE IV, CLASS B (POLYVINYL CHLORIDE (PVC) COATED STEEL)." COLOR TO BE CHOSEN BY THE DECATUR PARK DISTRICT. COST OF FENCING AND RUB RAIL INCIDENTAL TO GUARD RAIL.
 6. THE RUB RAILS SHALL BE FURNISHED IN ACCORDANCE WITH ARTICLE 1007.13 STRUCTURAL TIMBER AND SHALL BE TREATED IN ACCORDANCE WITH ARTICLE 1007.12. MINIMUM LENGTH OF RAIL BOARDS SHALL BE 16 FEET.
 7. FASTENERS SHALL BE HIGH STRENGTH BOLTS (AASHTO M164, TYPE 3 IN UNPAINTED AREAS AND MECHANICALLY GALVANIZED AASHTO M164, TYPE 1 OR 2 IN GALVANIZED AREAS). BOLTS 3/4", OPEN HOLES 5/8", UNLESS OTHERWISE NOTED.
 8. CALCULATED WEIGHT OF STRUCTURAL STEEL=52,674 LBS.
 9. EXPANSION JOINT PLATES AND ATTACHED BARS SHALL BE SHOP PAINTED WITH THE INORGANIC ZINC RICH PRIMER.
 10. FIELD WELDING OF CONSTRUCTION ACCESSORIES WILL NOT BE PERMITTED TO BEAMS OR GIRDERS.
 11. ANCHOR BOLTS SHALL BE SET BEFORE BOLTING DIAPHRAGMS (BOLTING CROSS FRAMES) OVER SUPPORTS.
 12. THE MAIN LOAD CARRYING MEMBER COMPONENTS SUBJECT TO TENSILE STRESS SHALL CONFORM TO THE SUPPLEMENTAL REQUIREMENTS FOR NOTCH TOUGHNESS ZONE 2. THESE COMPONENTS ARE THE WIDE FLANGE BEAMS (THE TENSION FLANGES, WEBS) AND ALL SPLICE PLATE MATERIAL EXCEPT FILL PLATES.
 13. LAYOUT OF SLOPE PROTECTION SYSTEM MAY BE VARIED IN THE FIELD TO SUIT GROUND CONDITIONS AS DIRECTED BY THE ENGINEER.
 14. THE EMBANKMENT CONFIGURATION SHOWN SHALL BE THE MINIMUM EMBANKMENT THAT MUST BE CONSTRUCTED PRIOR TO CONSTRUCTION OF THE ABUTMENTS.
 15. BEARING SEAT SURFACES SHALL BE CONSTRUCTED OR ADJUSTED TO THE DESIGNATED ELEVATIONS WITHIN A TOLERANCE OF 1/8 INCH. ADJUSTMENT SHALL BE MADE EITHER BY GRINDING THE SURFACE OR BY SHIMMING THE BEARING. TWO 1/8" ADJUSTING SHIMS, OF THE DIMENSIONS OF THE BOTTOM BEARING PLATE, SHALL BE PROVIDED FOR EACH BEARING IN ADDITION TO ALL OTHER PLATES OR SHIMS.
 16. THE CONTRACTOR SHALL DRIVE ONE TEST PILE IN A PERMANENT LOCATION AT THE NORTH PIER OF EACH BRIDGE AS DIRECTED BY THE ENGINEER BEFORE ORDERING THE REMAINDER OF PILES.
 17. BRIDGE SEAT SEALER SHALL BE APPLIED TO THE SEAT AREA OF THE PIERS & ABUTMENT.
 18. AASHTO M270 GRADE 50W STRUCTURAL STEEL SHALL ONLY BE PAINTED, FOR A DISTANCE OF THREE TIMES THE DEPTH OF THE BEAMS OR GIRDERS (BUT NOT EXCEEDING 10 FEET) EACH WAY FROM THE DECK JOINTS. ALL STRUCTURAL STEEL SHALL BE CLEANED AS SPECIFIED IN THE SPECIAL PROVISION FOR "SURFACE PREPARATION AND PAINTING REQUIREMENTS FOR WEATHERING STEEL".
 19. ALL CONSTRUCTION JOINTS SHALL BE BONDED.
 20. ROLLED COPPER-ALLOY EXPANSION PLATES SHALL CONFORM TO THE SPECIFICATION FOR ROLLED COPPER-ALLOY BEARING AND EXPANSION PLATES AND SHEETS FOR BRIDGE AND OTHER STRUCTURAL USES, AASHTO M108 (ASTM B100). ALLOY NO. C51000 OR NO. C51100 SHALL BE FURNISHED. COPPER-ALLOY PLATES SHALL BE FURNISHED ACCORDING TO DETAILS SHOWN ON THE PLANS. FINISHING OF THE ROLLED PLATES WILL NOT BE REQUIRED PROVIDED THEY HAVE A PLANE, TRUE, AND SMOOTH SURFACE.

TOTAL BILL OF MATERIALS FABRICATED BRIDGE NO. 1		
ITEM	UNIT	1 BRIDGE
REINFORCEMENT BARS	LBS.	3277
CONCRETE STRUCTURES	CU. YDS.	42.8
FURNISH AND ERECT STRUCTURAL STEEL BRIDGE	L.S.	.45
DUMPED RIP RAP, SPECIAL	SQ. YDS.	
FURNISH METAL PILE SHELL, 12" x 0.179"	LIN. FT.	280
DRIVING PILE	LIN. FT.	280
BRIDGE APPROACH PAVEMENT, SPECIAL	SQ. YDS.	13.33
GUARD RAIL, SPECIAL	LIN. FT.	288

TOTAL BILL OF MATERIALS FABRICATED BRIDGE NO. 2		
ITEM	UNIT	1 BRIDGE
REINFORCEMENT BARS	LBS.	3486
CONCRETE STRUCTURES	CU. YDS.	44.7
FURNISH AND ERECT STRUCTURAL STEEL BRIDGE	L.S.	.55
DUMPED RIP RAP, SPECIAL	SQ. YDS.	
FURNISH METAL PILE SHELL, 12" x 0.179"	LIN. FT.	284
DRIVING PILE	LIN. FT.	284
BRIDGE APPROACH PAVEMENT, SPECIAL	SQ. YDS.	13.33
GUARD RAIL, SPECIAL	LIN. FT.	312



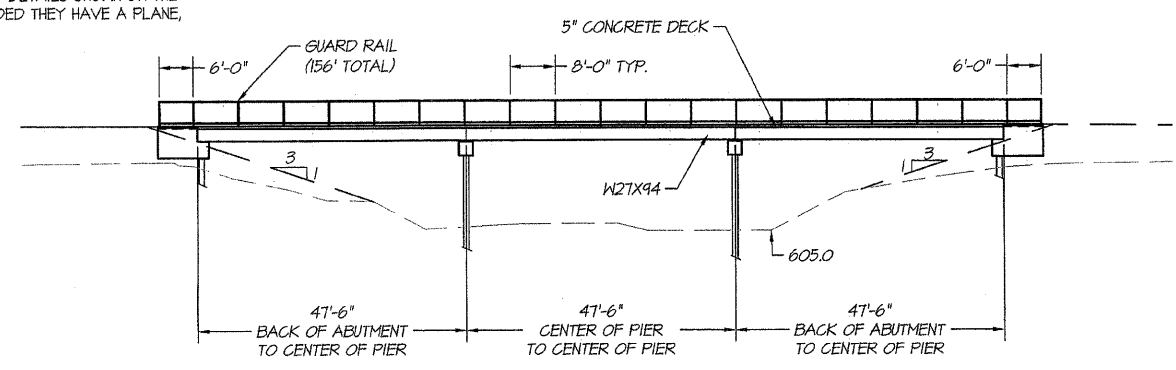
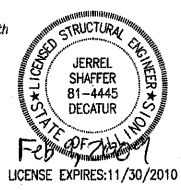
DECK ELEVATION = 616.45
LOW STEEL ELEVATION = 613.78

ELEVATION
CENTER STREET BRIDGE
FABRICATED BRIDGE NO. 1
STA. 257+76 TO 258+99
SCALE: 1/16" = 1'

NOTE:
DRIVE ALL PILES TO AT LEAST ELEVATION
571.20 AND 21 TON CAPACITY.

I certify that to the best of my knowledge, information and belief, this bridge 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 for the current "AASHTO Standard Specifications for Highway Bridges."

JERREL L. SHAFFER
ILLINOIS STRUCTURAL ENGINEER NO. 01-4445



DECK ELEVATION = 623.60
LOW STEEL ELEVATION = 620.93

ELEVATION
SUMMIT AVENUE BRIDGE
FABRICATED BRIDGE NO. 2
STA. 315+83 TO 317+24
SCALE: 1/16" = 1'

NOTE:
DRIVE ALL PILES TO AT LEAST ELEVATION
584.00 AND 22 TON CAPACITY.

BAINBRIDGE
GEB & ASSOCIATES, INC.
Consulting Engineers
MILLANSKI
1970 SOUTH TAYLORVILLE ROAD
DECATUR ILLINOIS 62526
Phone: 618-408-1828

DESIGNED	SCALE	REVISIONS
JLS	As Noted	NO. BY DATE
RJZ	DATE	
XXX	JOB NO.	
XXX	JOB NO.	

DECATUR PARK DISTRICT
STEVENS CREEK BIKEWAY - PHASE I
FABRICATED BRIDGE DESIGN
PLANS AND ELEVATIONS

GIB ENGINEERS, INC.
CONSULTING ENGINEERS
1111 SOUTH TAYLORVILLE ROAD
DECATUR, ILLINOIS 62526
PHONE: 618-408-1828