

STATE OF ILLINOIS  
 PLANS FOR PROPOSED  
 LOCAL AGENCY IMPROVEMENTS  
 FEDERAL-AID URBAN PROJECT  
 CITY OF ROCK FALLS  
 SECTION 01-00125-00-BR.  
 DIXON AVENUE  
 F.A.U. ROUTE 5560  
 PROJECT BHM-5062(25)  
 JOB NO. C-92-070-07  
 CONTRACT NO. 85438  
 2008

INDEX OF SHEETS

1	COVER SHEET AND INDEX OF SHEETS
2	SUMMARY OF QUANTITIES
3	TYPICAL SECTIONS & DETAILS
4	SCHEDULES OF QUANTITIES AND GENERAL NOTES
5	PLAN AND PROFILE
6	DETOUR MAP
7	DETOUR GENERAL NOTES
8-13	STRUCTURAL PLAN DETAILS
14-16	CROSS SECTIONS
17	40.1 TYPICAL APPLICATION FOR ROAD CLOSURE

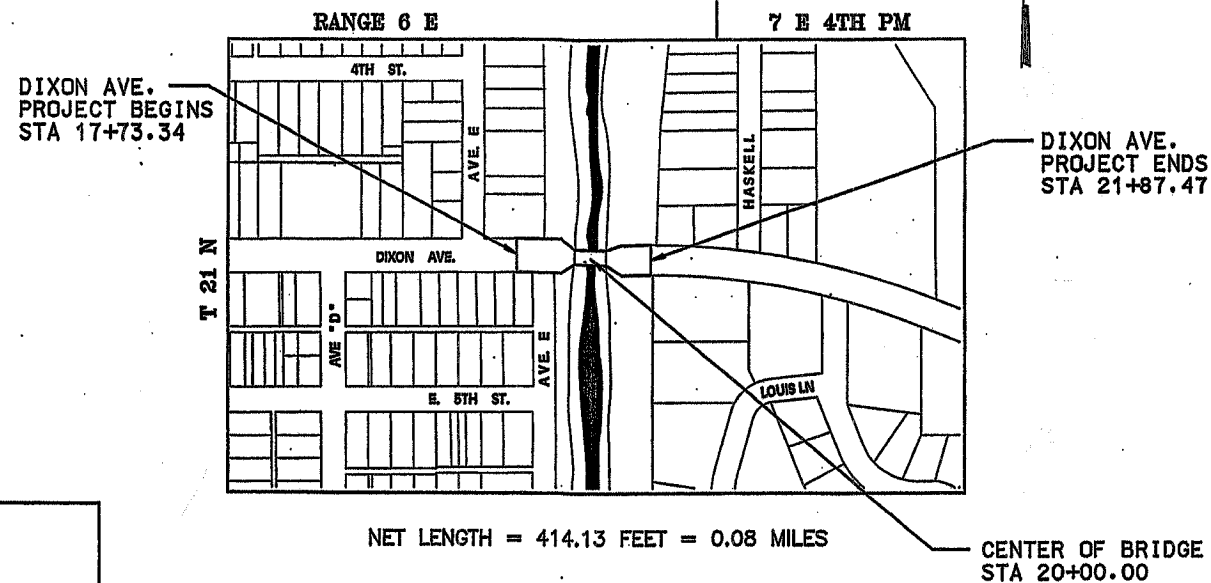
STANDARDS

424001-05	CURB RAMPS FOR SIDEWALKS
606001-03	CONCRETE CURB TYPE B AND COMBINATION CONCRETE CURB AND GUTTER
701101-01	OFF-ROAD OPERATIONS, MULTILANE, 4.5m (15') TO 600mm (24") FROM PAVEMENT EDGE
701201-02	LANE CLOSURE, 2L, 2W, DAY ONLY, FOR SPEEDS ≥ 45 MPH
701301-02	LANE CLOSURE, 2L, 2W, SHORT TIME OPERATIONS
701801-03	LANE CLOSURE, MULTILANE 1W OR 2W CROSSWALK OR SIDEWALK CLOSURE
701901	TRAFFIC CONTROL DEVICES
720011	METAL POSTS FOR SIGNS, MARKERS, & DELINEATORS
728001	TELESCOPING STEEL SIGN SUPPORT
729001	APPLICATIONS OF TYPES A & B METAL (FOR SIGNS & MARKERS)
780001-01	TYPICAL PAVEMENT MARKINGS

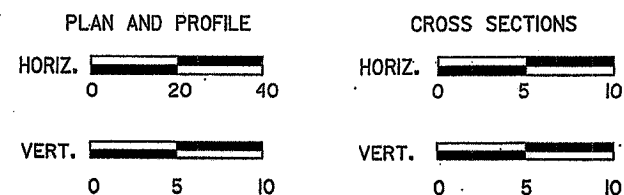
DESIGN CRITERIA

DESIGN SPEED: 40 MPH - DIXON AVE.			
FUNCTIONAL CLASSIFICATION	HIGHWAY	ADT (2028)	% TRUCKS
URBAN COLLECTOR ST.	DIXON AVE.	9,850	9

LOCATION MAP



SCALES:



NAME AND ADDRESS OF UTILITIES	TYPE
COMCAST ATTN: MIKE OWENS 4450 KISHWAUKEE ST. ROCKFORD, IL 61109 (815) 509-7876	CALBE TV
NICOR GAS ATTN: CONNIE LANE 1844 FERRY ROAD NAPERVILLE IL, 60563 (630) 388-2362	GAS
ROCK FALLS ELECTRIC 1109 INDUSTRIAL PARK ROAD ROCK FALLS, IL 61071 (815) 622-1145	ELECTRIC
SBC / AT&T ATTN: WILLIAM CONOVER 2315 N. KNOXVILLE AVE. FLOOR #2 PEORIA IL, 61604 (309) 686-3317	TELEPHONE
ROCK FALLS DEPARTMENT OF PUBLIC WORKS 603 W. 10TH ST. ROCK FALLS, IL 61071 (815) 622-1106	SEWER/WATER
NORLIGHT ATTN: DALE MAYER 13935 BISHOPS DRIVE BROOKFIELD WI, 53045 (414) 588-0647	
ADESTA LLC ATTN: LOU URDIL 1428 SHERMAN ROAD ROMEIOVILLE IL, 60446 (630) 739-0546	

CITY OF ROCK FALLS

APPROVED: 4-3-08  
 [Signature]  
LOCAL AGENCY POINT

PASSED: April 15, 2008  
 [Signature]  
DEPUTY DIRECTOR OF LOCAL ROAD & STREET

RELEASING FOR BID  
 BASED ON LIMITED  
 REVIEW: April 15, 2008  
 [Signature]  
DEPUTY DIRECTOR OF HIGHWAY, ROAD & BRIDGE

JERRY HINRICHS  
 33832  
 REGISTERED PROFESSIONAL ENGINEER  
 OF ILLINOIS  
 [Signature] 4-7-08  
 J.C. 11-30-07



S:\STRUCT\1093D07C\1\of\RockFalls\COVERETC.DGN

FILE NAME =	USER NAME = @USER@	DESIGNED -	REVISED -	<b>WILLETT, HOFMANN &amp; ASSOCIATES, INC</b> CONSULTING ENGINEERS DIXON, IL	<b>DIXON AVENUE</b>	F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
#FILE#		DRAWN -	REVISED -			6660	01-00125-00-BR	WHITESIDE	17	1	
		CHECKED -	REVISED -			CITY OF ROCK FALLS		CONTRACT NO. 85438			
		DATE -	REVISED -			SCALE: _____ SHEET NO. _____ OF _____ SHEETS STA. _____ TO STA. _____		FED. ROAD DIST. NO. _____ ILLINOIS FED. AID PROJECT			

# SUMMARY OF QUANTITIES

CONSTRUCTION TYPE CODE: X020-2A

ITEM NO.	CODE NO.	ITEM	UNIT	QUANTITY
1	20200410*	EARTH EXCAVATION (SPECIAL)	CU YD	71
2	25000900*	SEEDING, CLASS 1 (SPECIAL)	ACRE	0.04
3	35101400	AGGREGATE BASE COURSE, TYPE B	TON	28
4	40600100*	BITUMINOUS MATERIALS (PRIME COAT)	GALLON	48
5	40600982	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT	SQ YD	260
6	40800050*	INCIDENTAL HOT-MIX ASPHALT SURFACING	TON	73
7	42400200	PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH	SQ FT	1,392
8	42400800	DETECTABLE WARNINGS	SQ FT	16
9	50102400	CONCRETE REMOVAL	CU YD	34.7
10	50300100	FLOOR DRAINS	EACH	14
11	50300255	CONCRETE SUPERSTRUCTURES	CU YD	22.1
12	50300260	BRIDGE DECK GROOVING	SQ YD	444
13	50300300	PROTECTIVE COAT	SQ YD	465
14	50500105	FURNISHING AND ERECTING STRUCTURAL STEEL	L SUM	1
15	50500715*	JACK AND REMOVE EXISTING BEARINGS	EACH	24
16	50800205	REINFORCEMENT BARS, EPOXY COATED	POUND	7,820
17	51500100	NAME PLATES	EACH	1
18	52100010	ELASTOMERIC BEARING ASSEMBLY, TYPE 1	EACH	24
19	59000200	EPOXY CRACK INJECTION	FOOT	143
20	60611600*	COMBINATION CONCRETE CURB AND GUTTER, SPECIAL	FOOT	258
21	67100100	MOBILIZATION	L SUM	1
22	70101700*	TRAFFIC CONTROL AND PROTECTION	L SUM	1
23	70300100*	SHORT-TERM PAVEMENT MARKING	FOOT	390
24	78001110Δ	PAINT PAVEMENT MARKING - LINE 4"	FOOT	390
25	X0325303*	STRUCTURAL REPAIR OF CONCRETE (DEPTH GREATER THAN 5")	SQ FT	166
26	X0325305*	STRUCTURAL REPAIR OF CONCRETE (DEPTH EQUAL TO OR LESS THAN 5")	SQ FT	2
27	Z0006110*	BRIDGE DECK MICROSILICA CONCRETE OVERLAY	SQ YD	464
28	Z0006150*	BRIDGE DECK HYDRO-SCARIFICATION	SQ YD	422
29	Z0073500*	TEMPORARY SUPPORT SYSTEM	L SUM	1

\*INDICATES SPECIAL PROVISION  
 Δ SPECIALTY ITEMS

PLAN

SURVEYED	DATE
PLOTTED	BY
CHECKED	
BY	
FILE NAME	

PROFILE

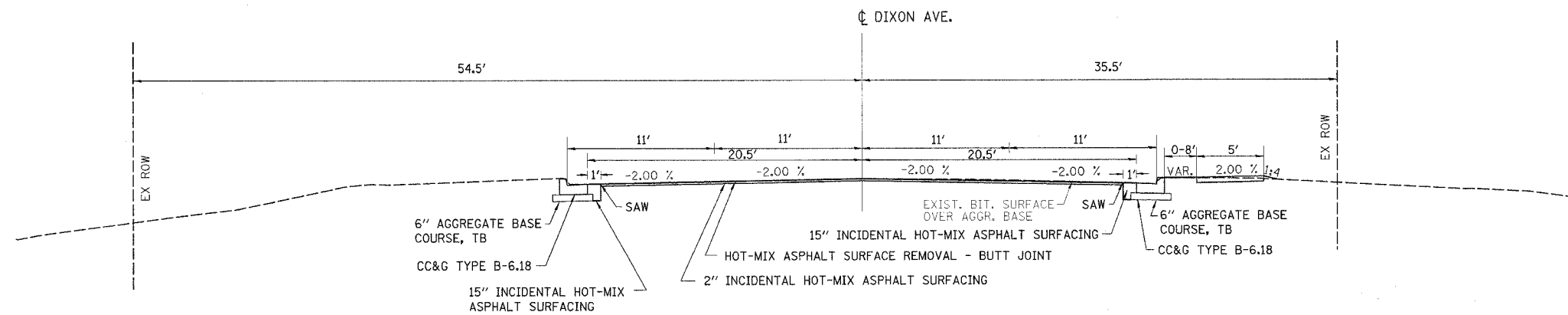
SURVEYED	DATE
PLOTTED	BY
CHECKED	
BY	
FILE NAME	

S:/STRUCT/1093D07C1+yo fRockFalls/COVERETC.DGN

FILE NAME *	USER NAME * #USER#	DESIGNED -	REVISED -	<b>WILLET, HOFMANN &amp; ASSOCIATES, INC</b> <b>CONSULTING ENGINEERS</b> <b>DIXON, IL</b>	<b>SUMMARY OF QUANTITIES</b>		F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
#FILE#	PLOT SCALE = #SCALE#	DRAWN -	REVISED -				5560	01-00125-00-BR	WHITESIDE	17	2
	PLOT DATE = #DATE#	CHECKED -	REVISED -		SCALE: _____	SHEET NO. ___ OF ___ SHEETS	STA. _____ TO STA. _____	FED. ROAD DIST. NO. _____ ILLINOIS FED. AID PROJECT		CONTRACT NO. _____	

# TYPICAL SECTIONS & DETAILS

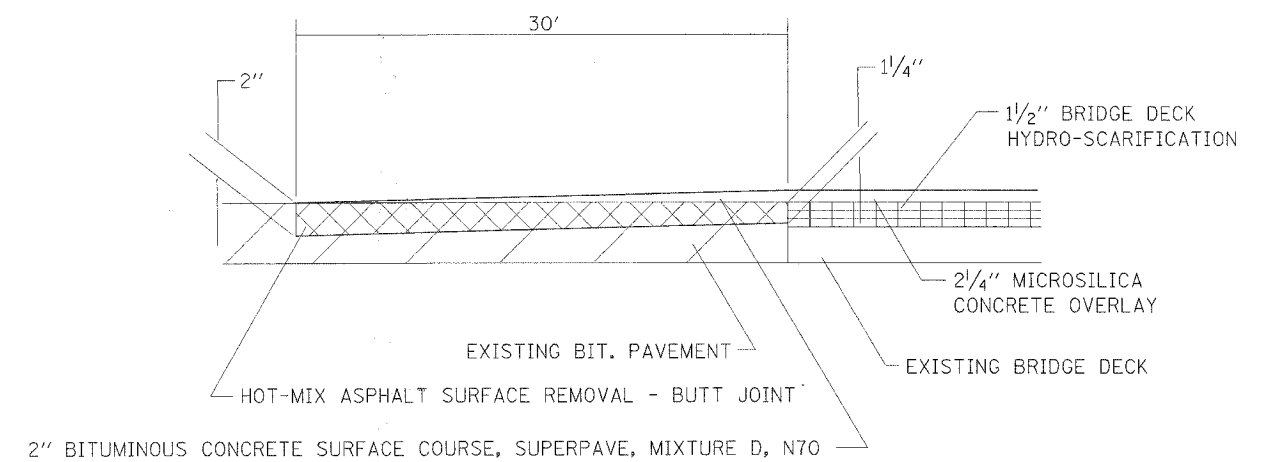
## DIXON AVENUE



STA. 19+22.42 TO STA. 19+52.42  
 STA. 20+47.58 TO STA. 20+77.58

INCIDENTAL HOT-MIX ASPHALT SURFACING

	PAVEMENT
PG:	PG 64-22
DESIGN AIR VOIDS	4.0 @ N50
MIXTURE COMPOSITION (GRADATION MIXTURE)	IL 9.5 or 12.5
FRICTION AGGREGATE	D



BUTT JOINT TYPICAL  
 STA. 19+22.42 TO 19+52.42  
 STA. 20+47.58 TO 20+77.58

DIXON - BOYD STREET - HORIZONTAL CONTROL POINTS

POINT #	STATION	O/S	NORTH	EAST	DESCRIPTION
100	17+50.35	24.47	1862642.45	2429326.68	PIN
101	22+18.03	25.4	1862645.8	2429794.35	PIN

DATE	BY
REVISIONS	NO.
NOTED	DATE
ALIGNED	CHECKED
NOTE BOOK	NO.
FILE NAME	

DATE	BY
REVISIONS	NO.
NOTED	DATE
ALIGNED	CHECKED
NOTE BOOK	NO.
FILE NAME	

S:\Struct\1093D07C\tyofRockFalls\typicals.dgn

FILE NAME =	USER NAME = #USER#	DESIGNED -	REVISD -	<b>WILLETT, HOFMANN &amp; ASSOCIATES, INC.</b> <b>CONSULTING ENGINEERS</b> <b>DIXON, IL</b>	<b>TYPICAL SECTIONS &amp; DETAILS</b>	F.A. RTE. =	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
#FILE#	PLOT SCALE = #SCALE#	CHECKED -	REVISD -			5482	01-00125-00-BR	WHITESIDE	17	3	
	PLOT DATE = #DATE#	DATE -	REVISD -			SCALE: _____ SHEET NO. _____ OF _____ SHEETS STA. _____ TO STA. _____		FED. ROAD DIST. NO. _____ ILLINOIS FED. AID PROJECT			
						CONTRACT NO. _____					

# SCHEDULES & GENERAL NOTES

LOCATION	EARTH EXCAVATION (SPECIAL)	EARTH EXCAVATION ADJUSTED FOR SHRINKAGE 25%	EMBANKMENT	EARTHWORK BALANCE (+) OR SHORTAGE (-)
	CU YD	CU YD	CU YD	CU YD
DIXON AVE	71	53	6	47

SEEDING, CLASS 1 (SPECIAL)		
STATION	ACRE	REMARKS
DIXON AVE.		
17+73.34 - 21+81.47	0.04	
PROJECT TOTAL	0.04	

AGGREGATE BASE COURSE, TYPE B		
STATION	TON	REMARKS
DIXON AVE.		
RT 17+73.34 - 17+90.42	3	6"
RT 18+19.26 - 19+52.42	16	6"
LT 19+22.42 - 19+52.42	3	6"
RT 20+47.58 - 20+77.58	3	6"
LT 20+47.58 - 20+77.58	3	6"
PROJECT TOTAL	28	

BITUMINOUS MATERIALS (PRIME COAT)		
STATION	GALLON	REMARKS
DIXON AVE.		
RT 17+73.34 - 17+90.42	2	.4 GAL/S.Y. OVER AGG
RT 17+73.34 - 17+90.42	1	.1 GAL/S.Y. OVER BIT
RT 18+19.26 - 19+52.42	3	.1 GAL/S.Y. OVER BIT
RT 18+19.26 - 19+52.42	11	.4 GAL/S.Y. OVER AGG
LT 19+22.42 - 19+52.42	1	.4 GAL/S.Y. OVER AGG
19+22.42 - 19+52.42	14	.1 GAL/S.Y. OVER BIT
20+47.58 - 20+77.58	14	.1 GAL/S.Y. OVER BIT
RT 20+47.58 - 20+77.58	1	.4 GAL/S.Y. OVER AGG
LT 20+47.58 - 20+77.58	1	.4 GAL/S.Y. OVER AGG
PROJECT TOTAL	48	

HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT		
STATION	SQ YD	REMARKS
DIXON AVE.		
19+22.42 - 19+52.42	130	1 1/4" - 2"
20+47.58 - 20+77.58	130	1 1/4" - 2"
PROJECT TOTAL	260	

INCIDENTAL HOT-MIX ASPHALT SURFACING		
STATION	TON	REMARKS
DIXON AVE.		
RT 17+73.34 - 17+90.42	6	15"
RT 18+19.26 - 19+52.42	23	15"
RT 19+22.42 - 19+52.42	3	15"
LT 19+22.42 - 19+52.42	3	15"
RT 20+47.58 - 20+77.58	3	15"
LT 20+47.58 - 20+77.58	3	15"
19+22.42 - 19+52.42	16	2"
20+47.58 - 20+77.58	16	2"
PROJECT TOTAL	73	

PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH		
STATION	SQ FT	REMARKS
DIXON AVE.		
RT 17+73.34 - 17+87.67	68	5'
RT 18+22.05 - 19+52.42	653	5'
RT 20+47.58 - 21+81.47	671	5'
PROJECT TOTAL	1,392	

DETECTABLE WARNINGS		
STATION	SQ FT	REMARKS
DIXON AVE.		
17+86	8	2'x4'
18+24	8	2'x4'
PROJECT TOTAL	16	

COMBINATION CONCRETE CURB & GUTTER, SPECIAL		
STATION	FOOT	REMARKS
DIXON AVE.		
RT 17+73.34 - 17+90.42	26	
RT 18+19.26 - 19+47.42	137	
LT 19+22.42 - 19+52.42	30	
RT 19+47.42 - 19+52.42	5	6" - 10.2" BACK OF CURB
RT 20+47.58 - 20+52.58	5	6" - 10" BACK OF CURB
RT 20+52.58 - 20+77.58	25	
LT 20+47.58 - 20+77.58	30	
PROJECT TOTAL	258	

SHORT-TERM PAVEMENT MARKING		
STATION	FOOT	REMARKS
DIXON AVE.		
LT 19+37.42 - 20+67.42	40	WHITE LINE
RT 19+37.42 - 20+67.42	40	WHITE LINE
19+22.42 - 20+77.58	310	DOUBLE YELLOW
PROJECT TOTAL	390	

PAINT PAVEMENT MARKING LINE 4"		
STATION	FOOT	REMARKS
DIXON AVE.		
LT 19+37.42 - 20+67.42	40	WHITE LINE
RT 19+37.42 - 20+67.42	40	WHITE LINE
19+22.42 - 20+77.58	310	DOUBLE YELLOW
PROJECT TOTAL	390	

GENERAL NOTES

THE CONTRACTOR SHALL CAREFULLY PRESERVE ALL PROPERTY MARKS, SECTION OR SUBSECTION MONUMENTS ENCOUNTERED, UNTIL AN OWNER OR AUTHORIZED SURVEYOR OR AGENT HAS WITNESSED OR OTHERWISE REFERENCED THEIR LOCATION. ANY PROPERTY MARKS, SECTION OR SUBSECTION MONUMENTS UNLESS REFERENCED, DAMAGED BY THE CONTRACTOR SHALL BE REPLACED AT THE EXPENSE OF THE CONTRACTOR.

ALL TELEPHONE AND ELECTRIC POLES, GAS PIPES, ETC. IN THE WAY OF THE IMPROVEMENT SHALL BE MOVED BY THE UTILITIES PRIOR TO CONSTRUCTION AND SHALL NOT BE INCLUDED IN THE CONTRACT. THE CONTRACTOR SHALL NOTIFY THE RESPECTIVE UTILITIES TO MAKE THE NECESSARY ADJUSTMENTS PRIOR TO THIS CONSTRUCTION.

THE FINAL TOP 4" OF SOIL IN ANY AREA DISTURBED BY THE CONTRACTOR MUST BE ABLE TO SUPPORT VEGETATION.

EXISTING STREET SIGNS AND TRAFFIC SIGNS THAT ARE WITHIN THE CONSTRUCTION LIMITS SHALL BE REMOVED AND RESET BY THE CONTRACTOR. COST OF REMOVING AND RESETTING SHALL BE INCIDENTAL TO EARTH EXCAVATION (SPECIAL).

WHERE THE PROPOSED CONSTRUCTION MEETS AN EXISTING BITUMINOUS SURFACE, OR WHERE SAWING IS NOT STATED ON THE PLANS, THE EXISTING SURFACE SHALL BE SAWED IN A NEAT, STRAIGHT LINE. COST OF SAWING TO BE INCLUDED IN THE CONTRACT UNIT PRICE PER UNIT OF EARTH EXCAVATION (SPECIAL).

DATE: \_\_\_\_\_ BY: \_\_\_\_\_  
 PLAN: \_\_\_\_\_  
 SURVEYED: \_\_\_\_\_  
 ALIGNED: \_\_\_\_\_  
 CHECKED: \_\_\_\_\_  
 NOTE BOOK: \_\_\_\_\_  
 NO. \_\_\_\_\_

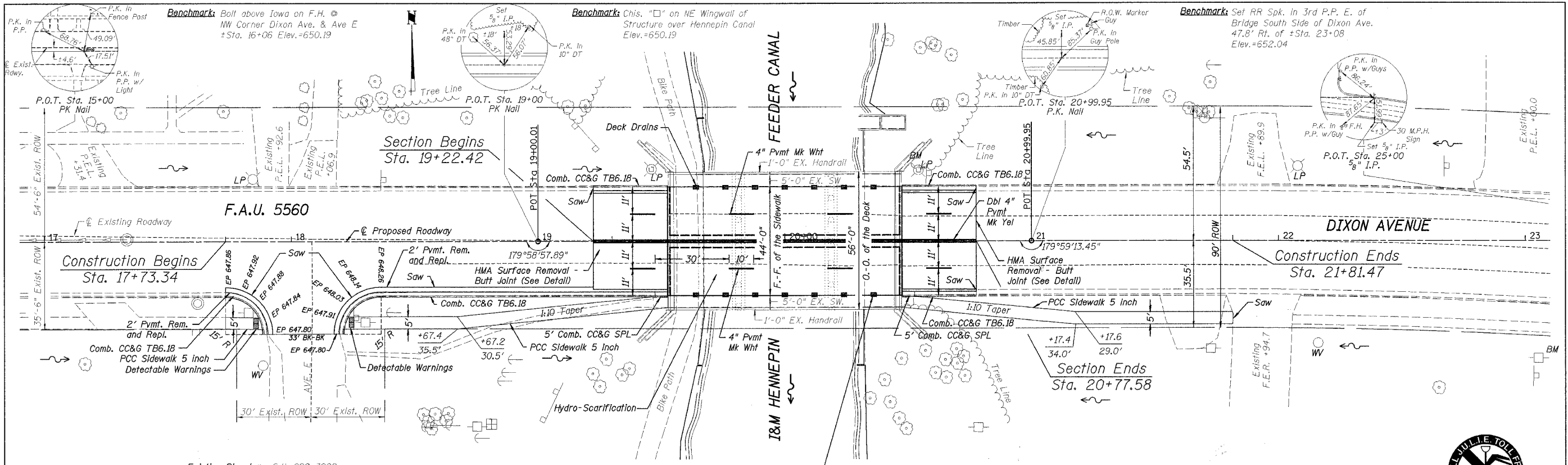
DATE: \_\_\_\_\_ BY: \_\_\_\_\_  
 PROFILE: \_\_\_\_\_  
 GRADES: \_\_\_\_\_  
 CHECKED: \_\_\_\_\_  
 NOTE BOOK: \_\_\_\_\_  
 NO. \_\_\_\_\_

S:\STRUCT\1093D07C1\yofRockFalls\COVERETC.DGN

FILE NAME =	USER NAME = #USER#	DESIGNED -	REVISED -	<b>WILLET, HOFMANN &amp; ASSOCIATES, INC</b> <b>CONSULTING ENGINEERS</b> <b>DIXON, IL</b>	<b>SCHEDULES &amp; GENERAL NOTES</b>	F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
#FILEL\$	PLOT SCALE = #SCALE#	DRAWN -	REVISED -			5560	01-00125-00-BR	WHITESIDE	17	4
	PLOT DATE = #DATE#	CHECKED -	REVISED -			CONTRACT NO. _____				
		DATE -	REVISED -			SCALE: _____	SHEET NO. _____ OF _____ SHEETS	STA. _____ TO STA. _____	FED. ROAD DIST. NO. _____ ILLINOIS FED. AID PROJECT	

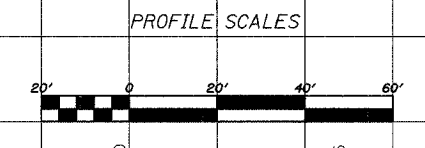
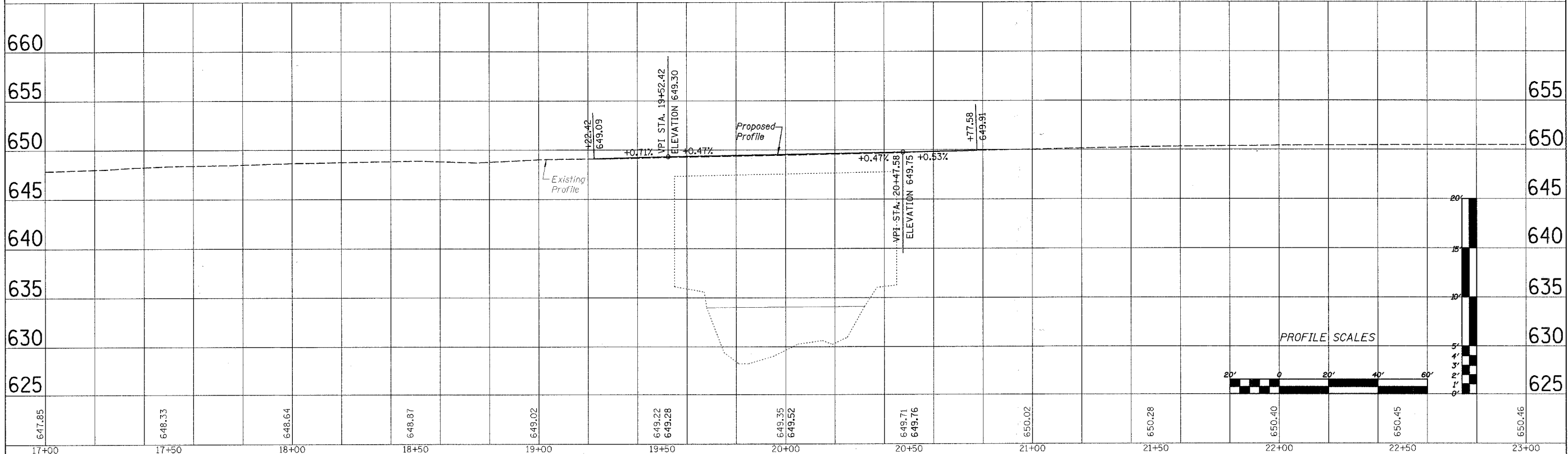
DATE: \_\_\_\_\_ BY: \_\_\_\_\_  
 SURVEYED: \_\_\_\_\_ PLOTTED: \_\_\_\_\_  
 CHECKED: \_\_\_\_\_ NOTE BOOK: \_\_\_\_\_  
 NO. OF PAGES: \_\_\_\_\_ STRUCTURE: \_\_\_\_\_  
 NO. OF SHEETS: \_\_\_\_\_

DATE: \_\_\_\_\_ BY: \_\_\_\_\_  
 SURVEYED: \_\_\_\_\_ PLOTTED: \_\_\_\_\_  
 CHECKED: \_\_\_\_\_ NOTE BOOK: \_\_\_\_\_  
 NO. OF PAGES: \_\_\_\_\_ STRUCTURE: \_\_\_\_\_  
 NO. OF SHEETS: \_\_\_\_\_



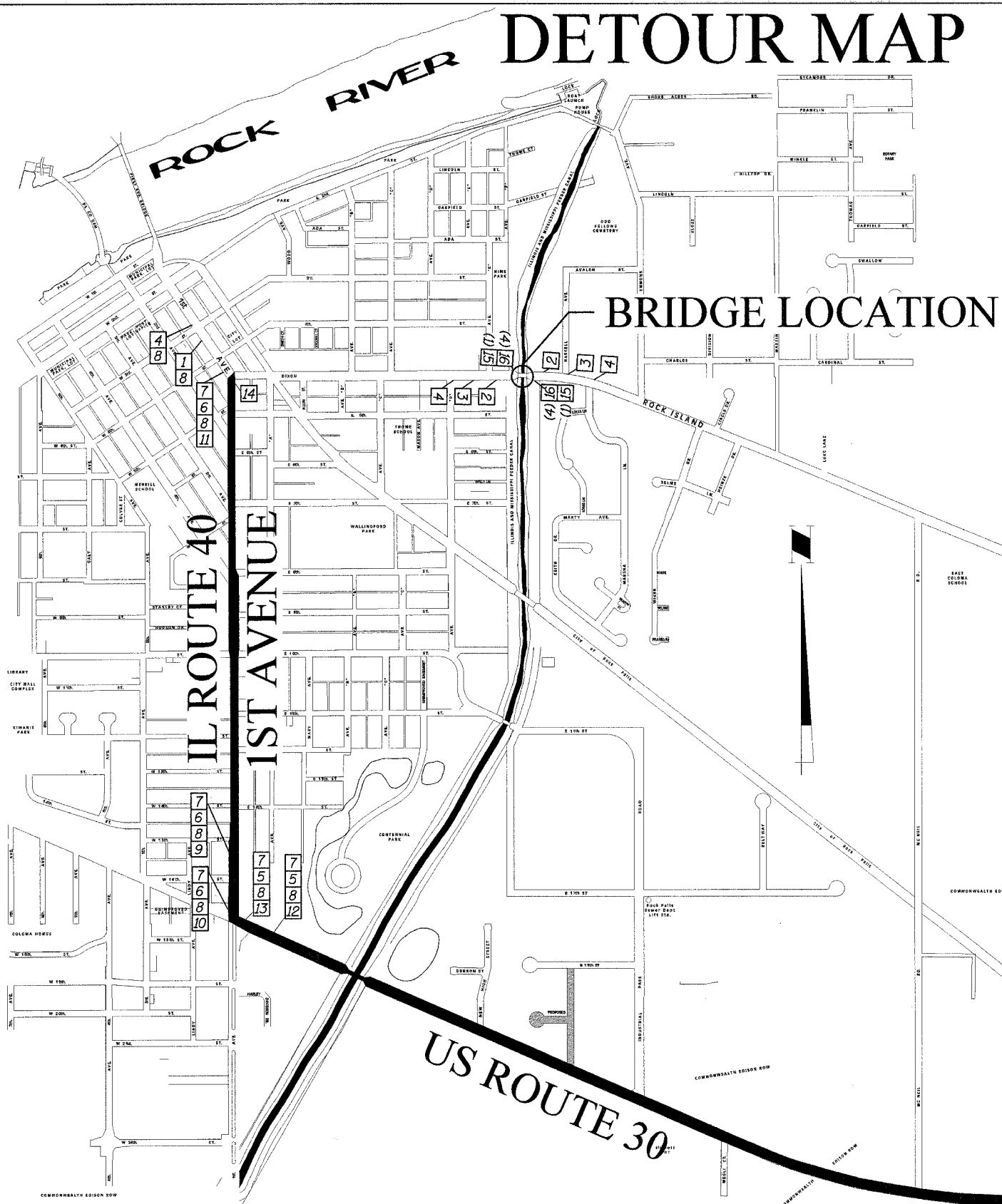
**Existing Structure:** S.N. 098-3000  
 A Three Span (27'-3", 37'-6", 27'-3") Slab Type  
 Structure w/ Closed Concrete Abutments and  
 Open Concrete Piers @ Sta. 20+00. Skewed 0°. To be Rehabilitated.

**NOTE:**  
 HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT IS  
 39' x 30' ON EACH SIDE OF BRIDGE. 1' ON EACH SIDE  
 OF THE CURB SHALL BE FULL DEPTH HMA.



FILE NAME: #FILEL#	USER NAME: #USER#	DESIGNED: -	REVISED: -	<b>WILLET, HOFMANN &amp; ASSOCIATES, INC CONSULTING ENGINEERS DIXON, IL</b>	<b>DIXON AVENUE - PLAN AND PROFILE</b>	F.A. RTE. 5560	SECTION 01-00125-00-BR	COUNTY WHITESIDE	TOTAL SHEETS 17	SHEET NO. 5	
PLOT SCALE: #SCALE#	CHECKED: -	REVISED: -	SCALE:			SHEET NO. OF SHEETS	STA. 22+50 TO STA. 28+00	FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT	CONTRACT NO.	
PLOT DATE: #DATE#	DATE: -	REVISED: -									

# DETOUR MAP



TYPICAL INTERSECTION AT POINT OF DETOUR

**LEGEND**

- 48" X 48" CONSTRUCTION SIGN WITH AMBER FLASHING LIGHT NUMBER DENOTES SIGN TYPE
- M4-9 SERIES DETOUR SIGN WITH DIRECTION AND ROAD NAME PLATES NUMBER DENOTES TYPE
- OTHER DETOUR SIGNS, NUMBER DENOTES TYPE

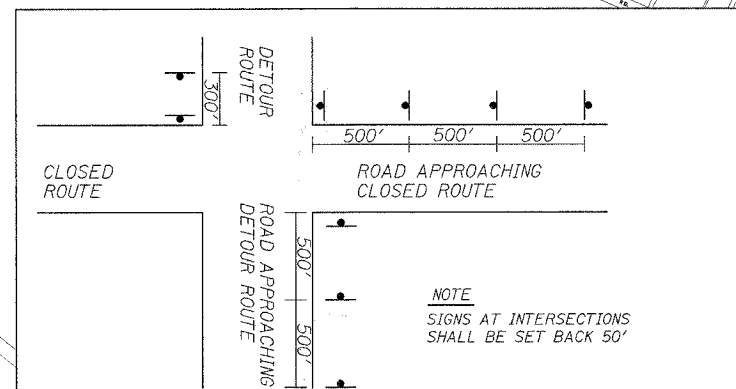
**SPECIAL DETOUR NOTES**

1. THE CONTRACTOR SHALL PAY PARTICULAR ATTENTION TO THE DETOUR GENERAL NOTES. SEE SHEET 7 FOR THE DETOUR GENERAL NOTES.
2. SEE SHEET 7 FOR INFORMATION ON THE DESIGN AND LOCATION OF THE DETOUR INFORMATION SIGNS.
3. ALL DETOUR SIGNS, SHALL BE COMPLETELY COVERED AT ALL TIMES THE ROADWAY IS NOT CLOSED TO TRAFFIC

**SIGN LEGEND**

- 1 DETOUR AHEAD W20-2, 48" X 48" WITH AMBER FLASHING LIGHT. (2 REQ'D)
- 2 BARRICADE AHEAD W21-100, 48" X 48" WITH AMBER FLASHING LIGHT. (2 REQ'D)
- 3 ROAD CLOSED 1000 FT W20-3, 48" X 48" WITH AMBER FLASHING LIGHT. (2 REQ'D)
- 4 ROAD CLOSED AHEAD W20-3, 48" X 48" WITH AMBER FLASHING LIGHT. (6 REQ'D)
- 5 WEST M3-4, 24" X 12" (6 REQ'D)
- 6 EAST M3-2, 24" X 12" (5 REQ'D)
- 7 DETOUR M4-8, 24" X 12" (11 REQ'D)
- 8 DIXON AVENUE M1-100 (15 REQ'D)
- 9 LEFT TURN M5-1 L, 21" X 15" (3 REQ'D)
- 10 RIGHT TURN M6-1, 21" X 15" (3 REQ'D)
- 11 LEFT TURN M5-2, 21" X 15" (1 REQ'D)
- 12 RIGHT TURN M5-1 R, 21" X 15" (2 REQ'D)
- 13 STRAIGHT THROUGH M6-1, 21" X 15" (2 REQ'D)
- 14 END DETOUR M4-8A, 24" X 18" (2 REQ'D)
- 15 ROAD CLOSED R11-2, 48" X 30" (2 REQ'D)
- 16 TYPE III BARRICADES WITH TWO FLASHING LIGHTS EACH. (8 REQ'D)
- 17 2 MILES W16 - 3A(O) - 3612

PROBABLE SPACING AS DIRECTED BY THE ENGINEER



PLAN	DATE
SURVEYED	BY
PLOTTED	
NOTED	
FILED	
FILE NAME	

PROFILE	DATE
SURVEYED	BY
PLOTTED	
NOTED	
FILED	
FILE NAME	

S:\STRUCT\1093D07CITYOF ROCKFALLS\PROJECT DEVELOPMENTREPORT\DETOUR MAP.DGN

FILE NAME =	USER NAME = #USER#	DESIGNED -	REVISED -
#FILE#		DRAWN -	REVISED -
	PLOT SCALE = #SCALE#	CHECKED -	REVISED -
	PLOT DATE = #DATE#	DATE -	REVISED -

**WILLETT, HOFMANN & ASSOCIATES, INC**  
**CONSULTING ENGINEERS**  
 DIXON, IL

DETOUR MAP	
SCALE: _____	SHEET NO. ___ OF ___ SHEETS
STA. _____ TO STA. _____	

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
5560	01-00125-00-BR	WHITESIDE	17	6
FED. ROAD DIST. NO. _____		ILLINOIS FED. AID PROJECT		
CONTRACT NO. _____				

DETOUR GENERAL NOTES

1. ALL SIGNING SHALL BE IN ACCORDANCE WITH THE APPLICABLE PROVISIONS OF THE STATE OF ILLINOIS "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTIONS ADOPTED JAN. 1, 2007", "THE QUALITY STANDARD FOR WORK ZONE TRAFFIC CONTROL DEVICES ADOPTED 1990", THE DETAILS IN THESE PLANS, AND THE LATEST EDITION OF THE STATE OF ILLINOIS "MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES".
2. THE CONTRACTOR SHALL SCHEDULE ALL WORK IN AN EXPEDIENT MANNER TO REDUCE THE LENGTH OF TIME THAT THE DETOUR NEEDS TO BE IN EFFECT.
3. THE ENGINEER SHALL BE NOTIFIED IN WRITING AT LEAST THREE WEEKS PRIOR TO THE DAY THE DETOUR IS TO BE IN EFFECT. THE ENGINEER WILL CONTACT THE APPROPRIATE LOCAL AGENCIES AND INTERESTED PARTIES FOR APPROVAL OF SUCH DATE.
4. IF DEEMED NECESSARY BY THE ENGINEER, A PRE-CONSTRUCTION MEETING WITH THE CONTRACTOR SHALL BE HELD AT LEAST TWO WEEKS PRIOR TO THE DAY THE DETOUR IS TO BE IN EFFECT.
5. THE CONTRACTOR SHALL SUPPLY TO THE ENGINEER THE NAMES AND TELEPHONE NUMBERS OF HIS REPRESENTATIVES ON THE CONSTRUCTION SITE AND HIS REPRESENTATIVES FOR THE DETOUR SIGNING PRIOR TO THE START OF WORK.
6. IF REQUESTED BY THE CONTRACTOR IN WRITING AT LEAST THREE WEEKS PRIOR TO THE DAY THE DETOUR IS TO BE IN EFFECT, THE ENGINEER WILL FIELD LOCATE THE POSITIONS OF ANY SIGNS.
7. LONGITUDINAL DIMENSIONS SHOWN ON THE PLANS MAY BE ADJUSTED TO FIT FIELD CONDITIONS.
8. THE ROAD SHALL NOT BE CLOSED UNTIL ALL SIGNING IS ERECTED IN ACCORDANCE WITH THE DETOUR PLAN AND INSPECTED AND APPROVED BY THE ENGINEER.
9. THE CONTRACTOR SHALL MAKE ALL CHANGES IN SIGNING THAT ARE DEEMED NECESSARY BY THE ENGINEER.
10. ALL DETOUR SIGNING EXCEPT REGULATORY SIGNS SHALL HAVE BLACK LEGENDS ON FLUORESCENT ORANGE SHEETING AND STANDARD BLACK BORDERS. THE FLUORESCENT ORANGE REFLECTIVE SHEETING SHALL MEET THE REQUIREMENTS OF SECTION 1091 OF THE STANDARD SPECIFICATIONS. ALL DETOUR SIGNING SHALL BE NEW OR LIKE NEW CONDITION. THE ENGINEER SHALL BE THE SOLE JUDGE OF THE CONDITION AND ACCEPTANCE OF THE SIGNS.
11. THE ROAD NAME SIGN SHALL HAVE A BLACK LEGEND ON FLUORESCENT ORANGE REFLECTIVE SHEETING. THE SIGN BLANK SHALL BE A 9" BY VARIABLE OR A 12" BY VARIABLE WITH DESIGN SERIES C LETTERS. THE CAPITAL LETTERS SHALL BE 6" WITH 5" LOWER CASE.
12. CONSTRUCTION EQUIPMENT SHALL NOT BE PARKED IMMEDIATELY BEHIND THE TYPE III BARRICADES.
13. THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING THE VISIBILITY OF ALL DETOUR AND CONSTRUCTION SIGNING. BRUSHING BACK VEGETATION IF DEEMED BY THE ENGINEER.
14. THE FOLLOWING ILLINOIS DEPARTMENT OF TRANSPORTATION STANDARD IS APPLICABLE FOR THIS WORK: STANDARD 701901
15. THE ENGINEER SHALL BE NOTIFIED AT LEAST TWO (2) HOURS BEFORE THE ROAD IS TO BE OPENED TO TRAFFIC. THE ENGINEER WILL CONTACT THE APPROPRIATE LOCAL AGENCIES AND INTERESTED PARTIES.

PLAN	DATE
BY	
REVIEWED	
DATE	
BY	
NOT CHECKED	
DATE	
BY	
NOTE BOOK	
NO.	
CAD FILE NAME	

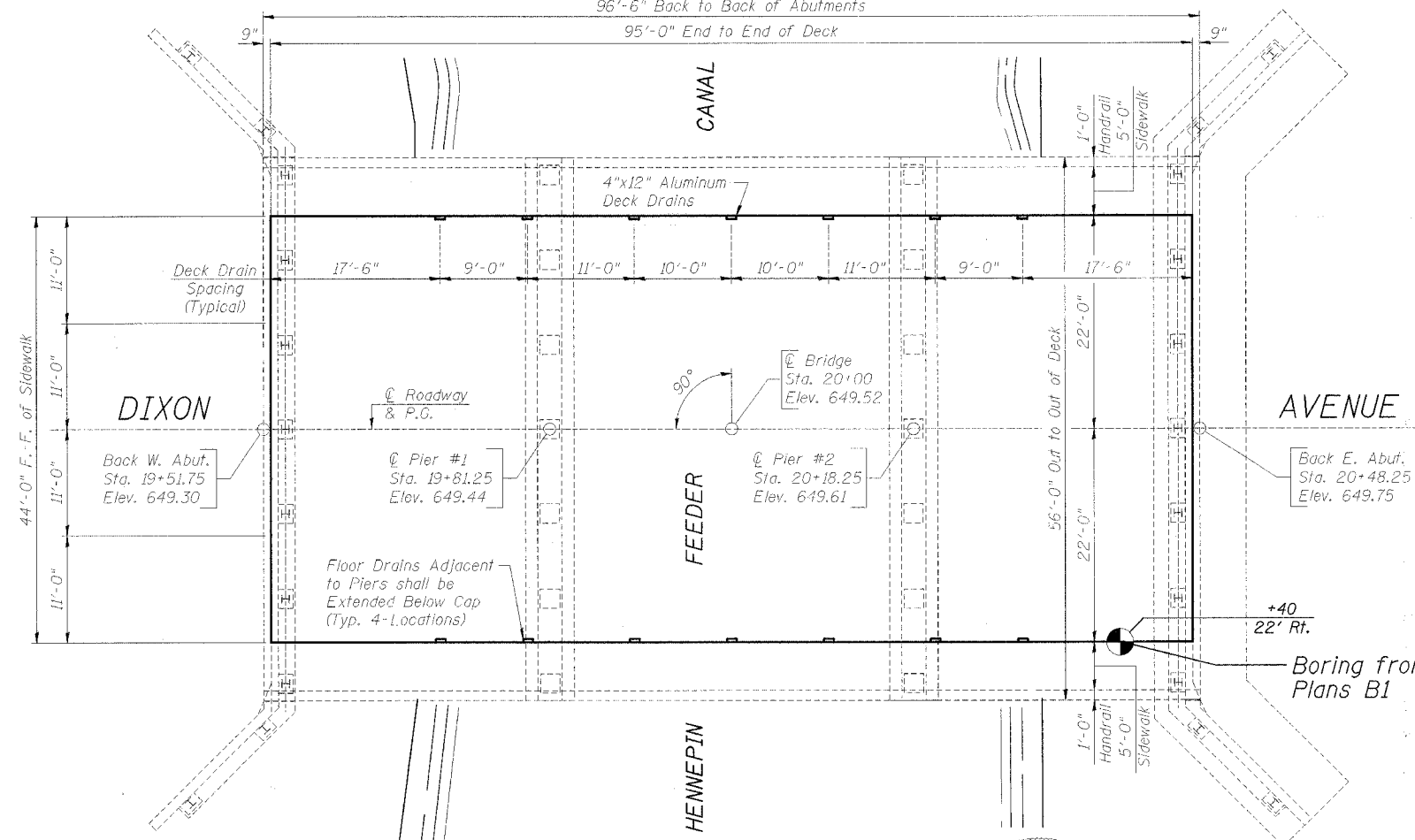
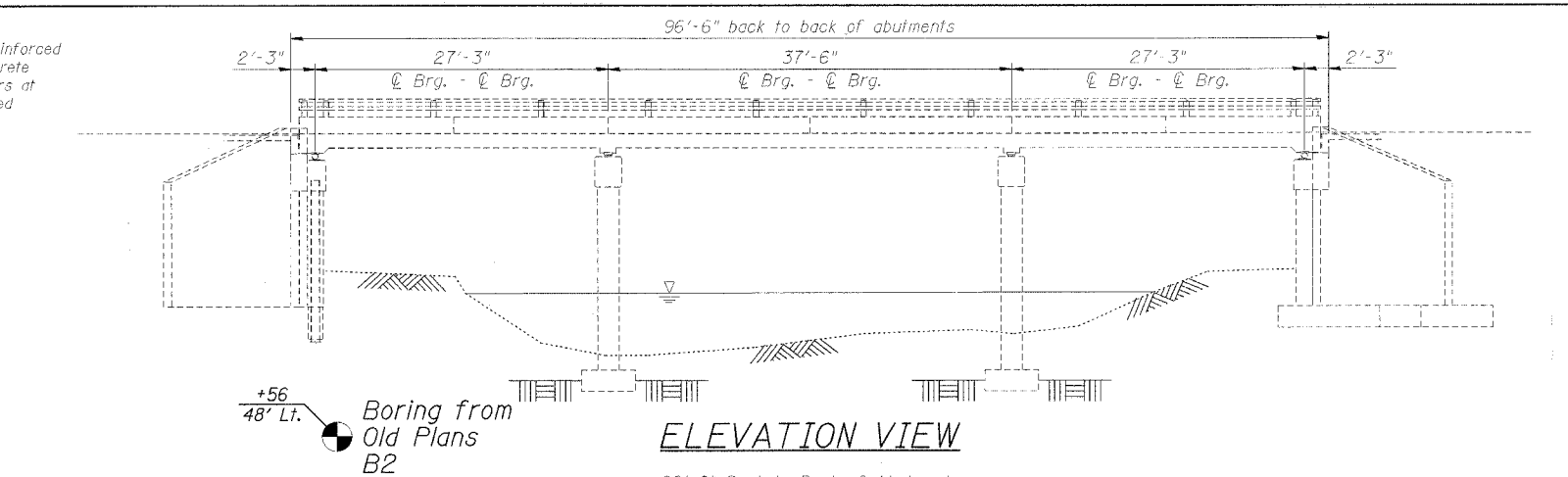
PROFILE	DATE
BY	
REVIEWED	
DATE	
BY	
NOT CHECKED	
DATE	
BY	
NOTE BOOK	
NO.	
STRUCTURE NOTATION QP/D	

FILE NAME =	USER NAME = #USER#	DESIGNED -	REVISED -	<b>WILLET, HOFMANN &amp; ASSOCIATES, INC CONSULTING ENGINEERS DIXON, IL</b>	<b>DETOUR GENERAL NOTES</b>	F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
#FILEL#		DRAWN -	REVISED -			5560	01-00125-00-BR	WHITESIDE	17	7
		CHECKED -	REVISED -			CONTRACT NO.				
		DATE -	REVISED -			FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				
				SCALE: _____	SHEET NO. ___ OF ___ SHEETS	STA. _____ TO STA. _____				

**EXISTING STRUCTURE:** S.N. 098-3000  
 A Three Span (27'-3" x 37'-6" x 27'-3") Reinforced  
 Concrete Slab Structure on Closed Concrete  
 Abutments and Reinforced Concrete Piers at  
 Sta. 20+00. No Skew. To be rehabilitated

PROJECT	SECTION	COUNTY	SHEET
5560	01-00125-00-BR	WHITESIDE	17
FED. ROAD DIST. NO. 7		ILLINOIS	FED. AID PROJECT - BHM-4062(25)

Structural Sheet 1 of 6



**BILL OF MATERIAL - BRIDGE**

ITEM	UNIT	SUB	SUPER	TOTAL
Concrete Removal	Cu Yd		34.7	34.7
Floor Drains	Each		14	14
Concrete Superstructure	Cu Yd		22.1	22.1
Bridge Deck Grooving	Sq Yd		444	444
Protective Coat	Sq Yd		465	465
Furnishing & Erecting Structural Steel	L Sum		1	1
Jack And Remove Existing Bearings	Each		24	24
Reinforcement Bars, Epoxy Coated	Pound		7,820	7,820
Name Plates	Each		1	1
Elastomeric Bearing Assembly, Type 1	Each		24	24
Epoxy Crack Injection	Foot	143		143
Structural Repair Of Concrete (Depth Greater Than 5")	Sq Ft		166	166
Structural Repair Of Concrete (Depth Equal To Or Less Than 5")	Sq Ft		2.0	2.0
Bridge Deck Microsilica Concrete Overlay	Sq Yd		464	464
Bridge Deck Hydro-Scarification	Sq Yd		422	422
Temporary Support System	L Sum		1	1

**GENERAL NOTES:**

Reinforcement bars shall conform to the requirements of ASTM A 706 Gr 60 (IL Modified). See Special Provisions  
 Reinforcement bars designated (E) shall be epoxy coated.  
 Plan dimensions and details relative to existing plans are subject to routine variations. The Contractor shall field verify existing dimensions and details affecting new construction and make necessary approved adjustments prior to construction or ordering of materials. Such variations shall not be cause for additional compensation for a change in scope of the work, however, the Contractor will be paid for the quantity actually furnished based upon the unit price bid for the work.  
 The Inorganic Zinc Rich Primer / Acrylic / Acrylic Paint System shall be used for shop and field painting of bearing assemblies and embedded connection plates except where otherwise noted. The color of the final finish coat for all steel surfaces shall be gray, Munsell No. 5B 7/1. See Special Provision for "Cleaning and Painting New Metal Structures" & "Cleaning and Painting Contact Surface Areas of Existing Steel Structures".  
 The structural steel plates of the Bearing Assembly shall conform to the requirements of AASHTO M 270 Grade 50.  
 \*Includes Deck Surface Only.  
 All Sawcuts shall be Incidental to Contract.  
 Estimated Weight of Structural Steel = 1,570 Pounds



**PROFILE GRADE**

HENNEPIN CANAL  
 REHABILITATION 2007 BY  
 CITY OF ROCK FALLS  
 SECTION 01-00125-00-BR  
 F.A.U. RTE. 5560 STA. 20+00  
 STR. NO. 098-3000 LOADING HS20

**NAME PLATE LETTERING**

Refer To Std. 515001-02  
 (Nameplate Shall Be Anchored To Concrete Adjacent To Existing Nameplate)

**DESIGN SPECIFICATIONS**

Designed in Accordance with 2002 A.A.S.H.T.O.  
 Standard Specifications - 17th Edition

**LOADING HS20-44**  
 No Future Wearing Surface Allowed.

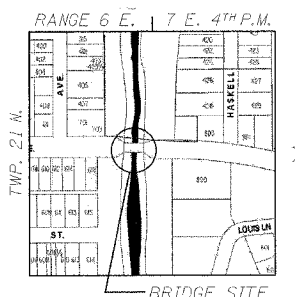
**DESIGN STRESSES**

FIELD UNITS  
 $f'_c = 3,500$  psi  
 $f_y = 60,000$  psi (Reinforcement)



Brian K. Converse  
 DATE: APRIL 7<sup>th</sup>, 2008  
 EXPIRES 11/30/08

"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 Complies With Requirements Of The Current 'AASHTO Standard Specifications For Highway Bridges'."



**LOCATION SKETCH**

**GENERAL PLAN AND ELEVATION**  
**DIXON AVENUE OVER HENNEPIN CANAL**  
 SECTION 01-00125-00-BR  
 S.N. 098-3000  
 CITY OF ROCK FALLS

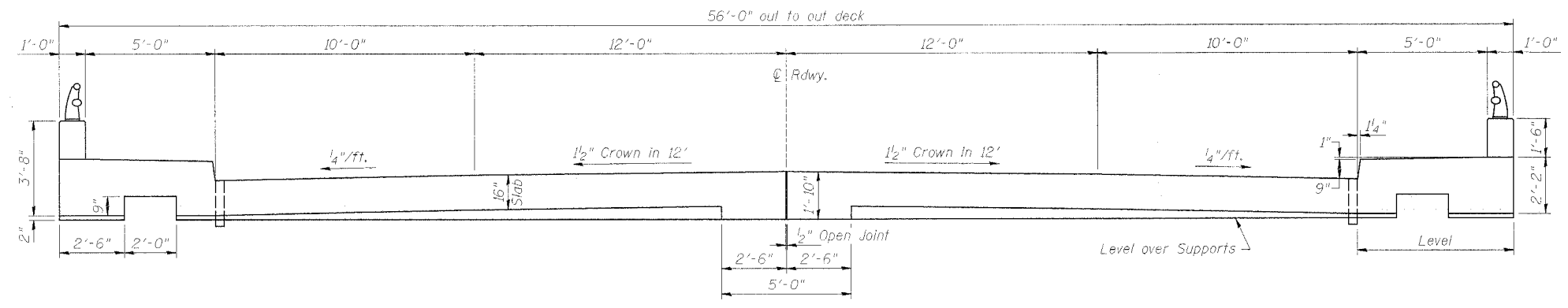


WHA #1093D07

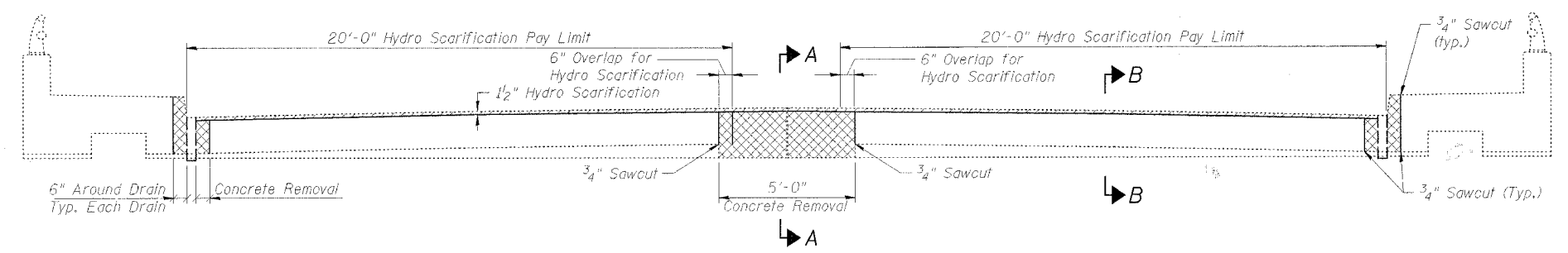
Designed by:  
 B.K. Converse  
 DATE: 03/2008  
 Checked by:  
 M.A. Small  
 DATE: 03/2008  
 Drawn by:  
 F.D. Lachat  
 DATE: 03/2008



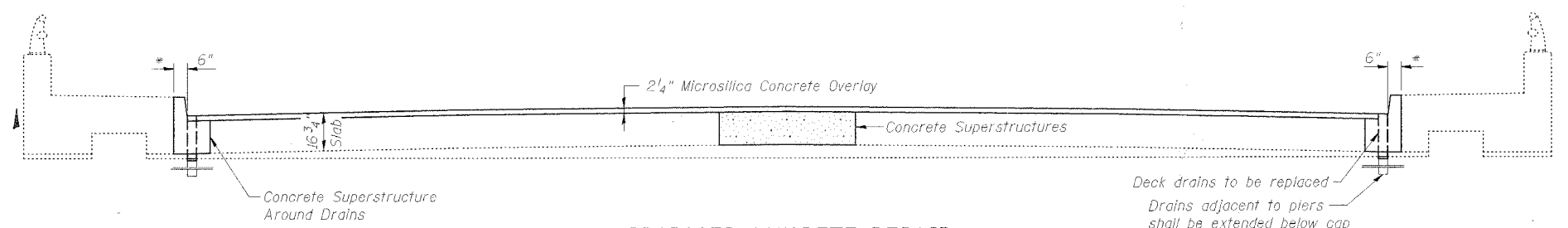
PROJECT	SECTION	COUNTY	DISTRICT	SHEET
5560	01-00125-00-BR	WHITESIDE	17	9
FED. ROAD DIST. NO. 7		ILLINOIS	FED. AID PROJECT-BHM-4062(25)	
Structural Sheet 2 of 6				



**EXISTING BRIDGE CROSS SECTION**

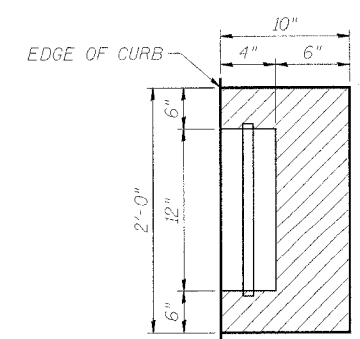


**PROPOSED CONCRETE REMOVAL**

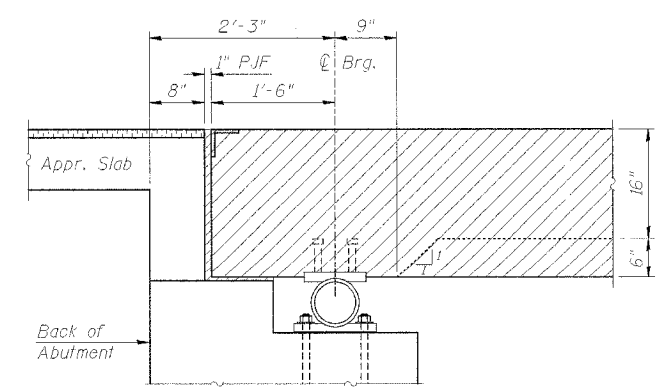


**PROPOSED CONCRETE REPAIR**

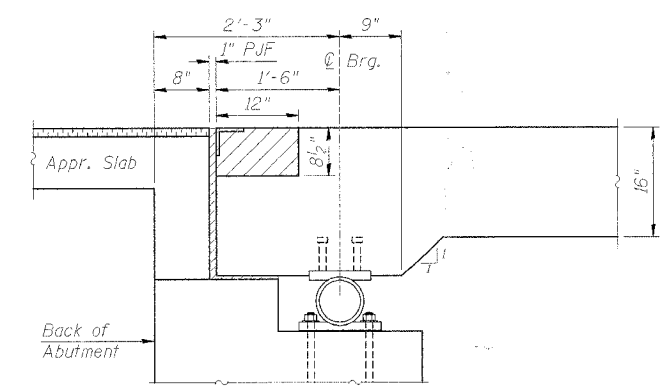
**NOTES:**  
 Hatched areas indicate Concrete Removal.  
 See Structural Sheet 3 of 6 for Deck Plan View and Bill of Material.  
 \* Curb entire length of deck shall be repaired in accordance with "Structural Repair of Concrete (Depth Greater than 5")". The repair shall be measured along vertical face for a depth of 10 1/2".  
 Contractor shall perform Hydro Scarification operations prior to Concrete Removal unless authorization is given in writing by engineer.  
 Hatched areas indicate concrete sections to be removed. Perimeters of Concrete Removal areas shall be saw cut 3/4" prior to the removal of the concrete. Existing transverse reinforcement shall be cleaned, straightened and incorporated into the new construction.



**PLAN VIEW OF CONCRETE REMOVAL AROUND DECK DRAINS**  
 (14 Total)



**SECTION A-A AT END OF DECK**

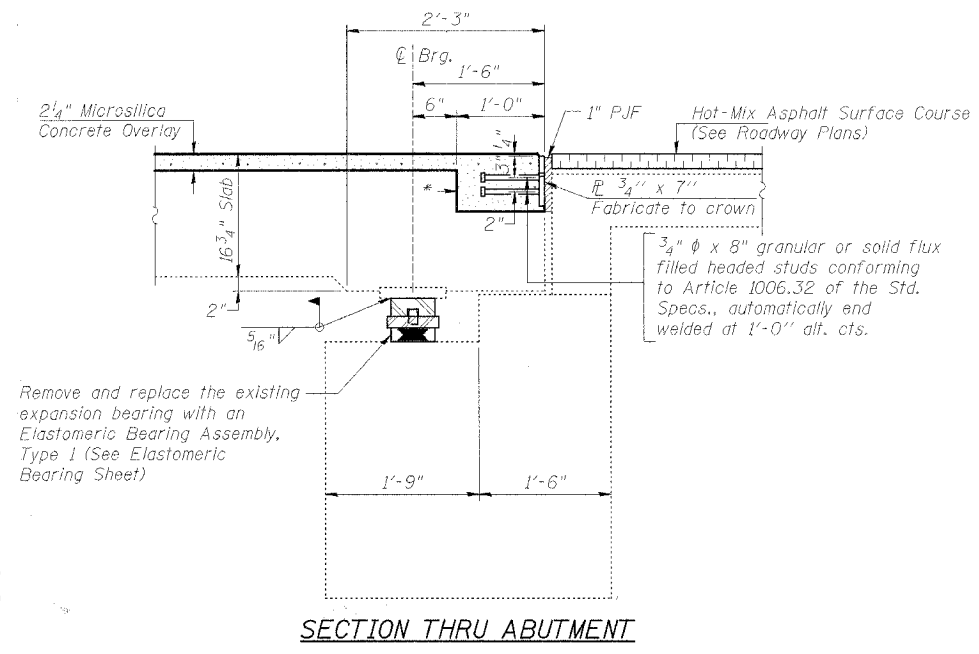
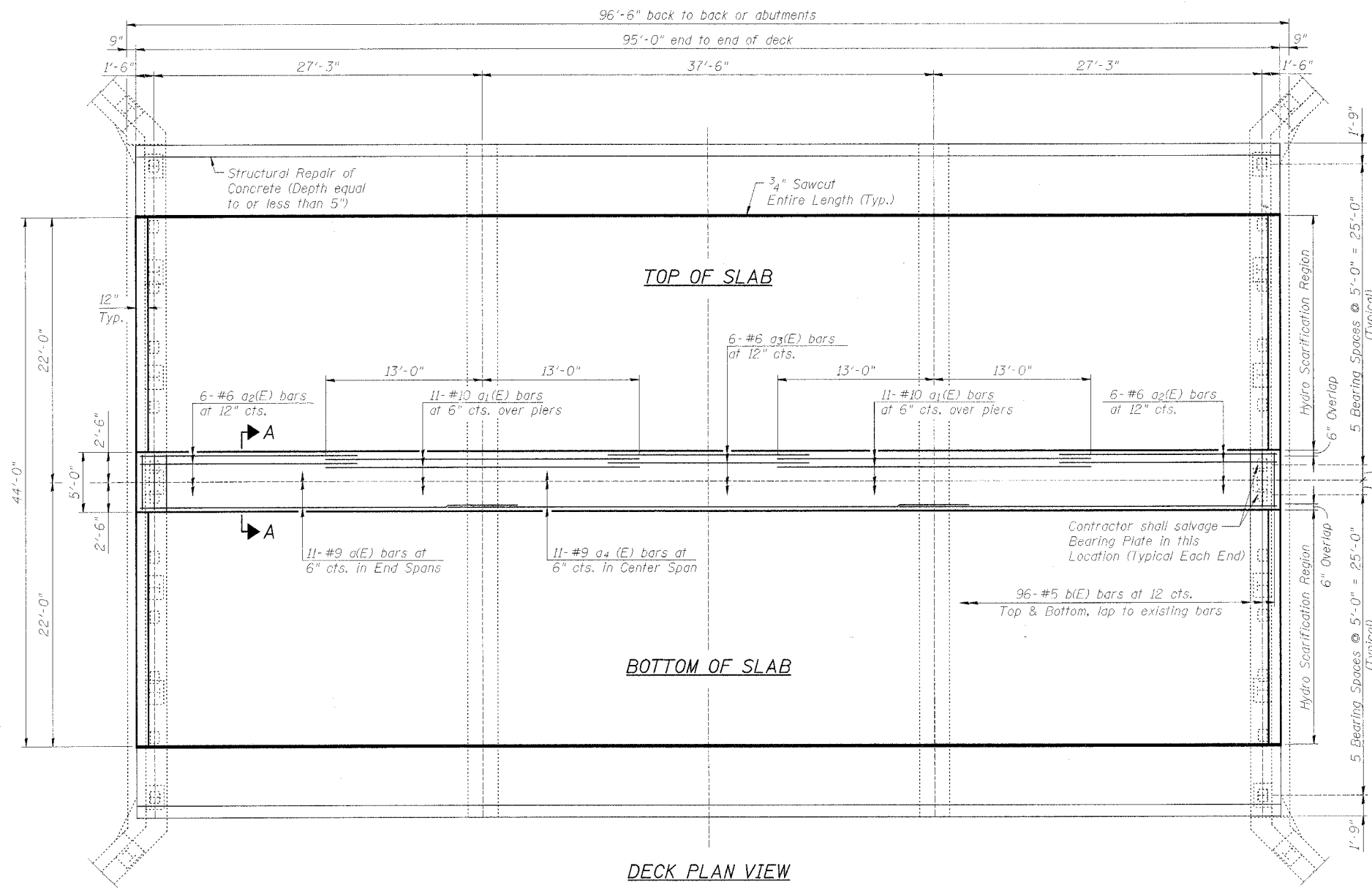


**SECTION B-B AT END OF DECK**

**EXISTING AND PROPOSED BRIDGE CROSS SECTIONS  
 DIXON AVENUE OVER HENNEPIN CANAL  
 SECTION 01-00125-00-BR  
 S.N. 098-3000  
 CITY OF ROCK FALLS  
 WHA # 1093D07**

PROJECT	SECTION	COUNTY	TOWNSHIP	SHEET
5560	01-00125-00-BR	WHITESIDE	17	10
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT: BHM-4062(25)		

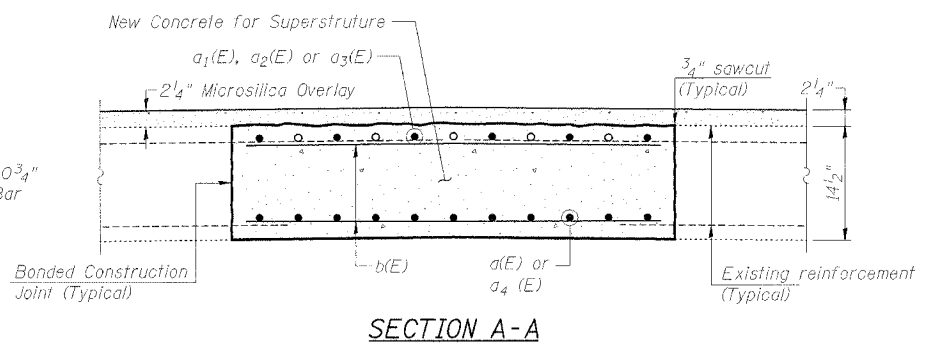
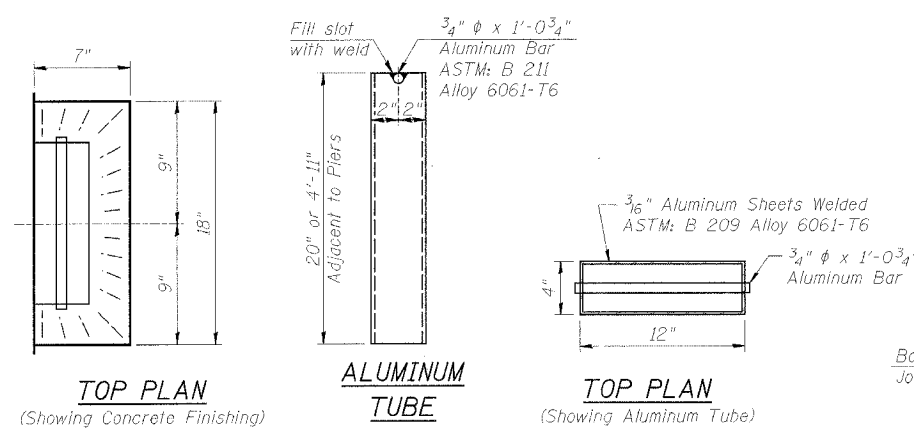
Structural Sheet 3 of 6



**SUPERSTRUCTURE BILL OF MATERIAL**

Bar	No.	Size	Length	Shape
a(E)	22	#9	31'-6"	—
a1(E)	22	#10	26'-0"	—
a2(E)	12	#6	18'-2"	—
a3(E)	6	#6	16'-8"	—
a4(E)	11	#9	43'-3"	—
b(E)	192	#5	4'-6"	—
Concrete Removal			Cu. Yd.	34.7
Floor Drains			Each	14
Concrete Superstructure			Cu. Yd.	22.1
Bridge Deck Grooving			Sq. Yd.	444
Protective Coat			Sq. Yd.	465
Furnishing & Erecting Structural Steel			L sum	1
Reinforcement Bars, Epoxy Coated			Lbs.	7,820
Structural Repair Of Concrete (Depth Greater Than 5")			Sq. Ft.	166
Bridge Deck Microsilica Concrete Overlay			Sq. Yd.	464
Bridge Deck Hydro-Scarification			Sq. Yd.	422

**NOTES:**  
 \* Region around armor angle shall be poured and included with bridge deck microsilica concrete overlay.  
 Reinforcement bars designated (E) shall be epoxy coated.

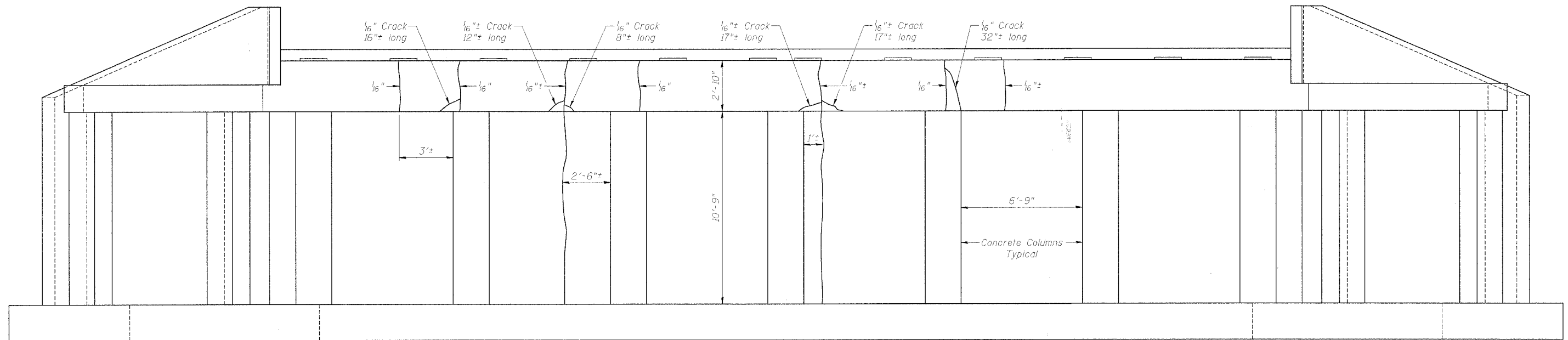


MIN. LAP SIZE	LAP
#4	1'-8"
#5	2'-2"
#6	2'-7"
#7	3'-5"
#8	4'-6"
#9	5'-9"
#10	7'-3"

**SUPERSTRUCTURE  
 DIXON AVENUE OVER HENNEPIN CANAL  
 SECTION 01-00125-00-BR  
 S.N. 098-3000  
 CITY OF ROCK FALLS  
 WIA # 1093D07**

ROUTE	SECTION	COUNTY	SHEET	TOTAL SHEETS
5560	01-00125-00-BR	WHITESIDE	17	11
FED. ROAD DIST. NO. 7		BILLINGS	FED. AID PROJECT-BHM-4062(25)	

Structural Sheet 4 of 6



**ELEVATION VIEW**  
(Looking East)

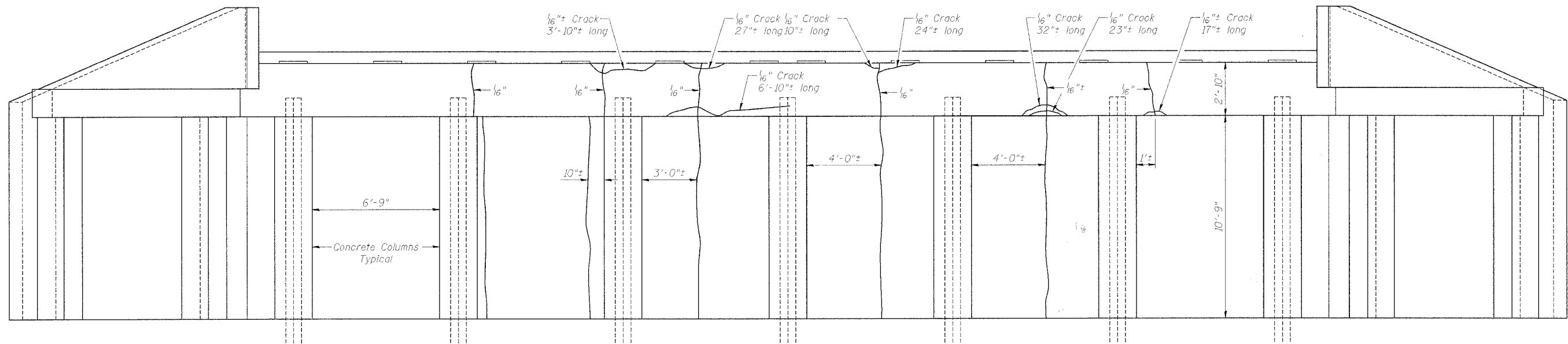
**BILL OF MATERIAL**

Item	Unit	Total
Epoxy Crack Injection	Feet	50

**EAST ABUTMENT**  
**DIXON AVENUE OVER HENNEPIN CANAL**  
**SECTION 01-00125-00-BR**  
**S.N. 098-3000**  
**CITY OF ROCK FALLS**

PROJECT	SECTION	COUNTY	SHEET	SHEET
5560	01-00125-00-BR	WHITESIDE	17	12
FED. ROAD DIST. NO. 7		BLANKS	FED. AID PROJECT-BHM-4062(25)	

Structural Sheet 5 of 6



**ELEVATION VIEW**  
(Looking East)

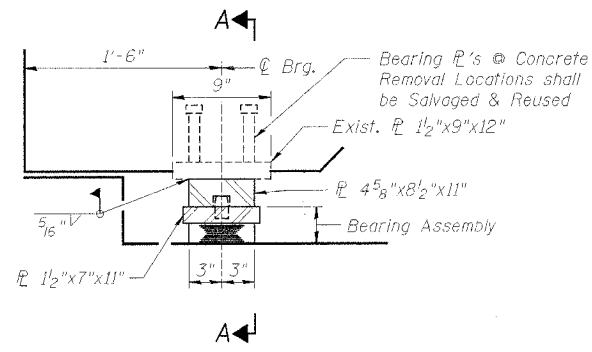
**BILL OF MATERIAL**

Item	Unit	Total
Epoxy Crack Injection	Feet	93

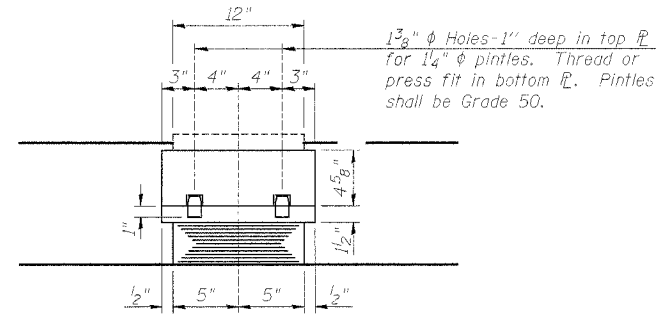
WEST ABUTMENT  
DIXON AVENUE OVER HENNEPIN CANAL  
SECTION 01-00125-00-BR  
S.N. 098-3000  
CITY OF ROCK FALLS  
WHA # 1093D07

FILE	SECTION	COUNTY	SHEET
5560	01-00125-00-BR	WHITESIDE	17 13
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT: BHM-4062(25)	

Structural Sheet 6 of 6

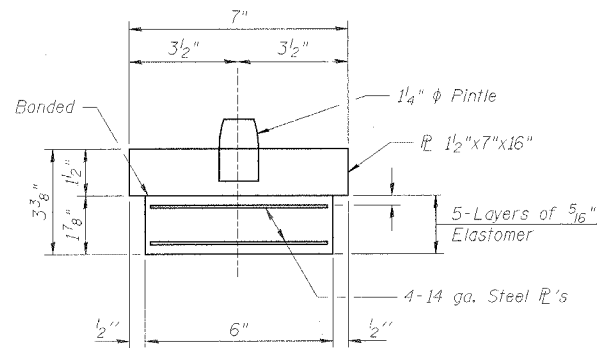


ELEVATION AT ABUT.



SECTION A-A

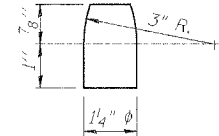
TYPE I ELASTOMERIC EXP. BRG.



BEARING ASSEMBLY

NOTE:

Shim plates shall not be placed under Bearing Assembly.  
 Provide two 1/8" Shim plates per bearing.  
 The exposed surface of the existing bearing plates shall be cleaned & painted in accordance with "Cleaning & Painting Contact Surface Areas of Existing Steel Structures". This cost shall be included in the contract price per Each for Elastomeric Bearing Assembly Type I.



PINTLE

REACTION TABLE	
LOAD	REACTION
Dead Load	13.00 k
Live Load	14.90 k
Impact	4.47 k
Total	32.37 k
Girder Slope	0.47%
Expansion Length	46'

Boring No.	Station	Offset	Elevation	N	Qu t/s.f.	w (%)	Surface Water El.	Groundwater El. at Completion	After Hours	Elevation	N	Qu t/s.f.	w (%)
2	1+32	48' Lt.	637.7	0				635.7					
Augered 3.5' in ground to seat auger													
H <sub>2</sub> O level													
634.2													
Medium, brown sand & gravel w/ boulders													
-5 20													
Dense, brown, sand & gravel w/ boulders													
40													
Sampler rejected fluid brown sand on end of sampler													
-10 100													
Began coring Elev. 626.7													
Hard, yellow brown silt Stone, Small geodes of Calcite crystals													
-15													
Stopped coring Elev. 622.2													
Boring No. 1													
Station 2+16													
Offset 22' Rt.													
Ground Surface 637.7 0													
Augered 3.0' in ground													
Auger rejected at this depth so began to core.													
Began Coring Elev. 634.7													
Cored 9.0' yellow brown, hard silt stone & gravel recovered from core barrel													
-5													
Stopped Coring Elev. 625.7													

EXISTING BORINGS FOR INFORMATION

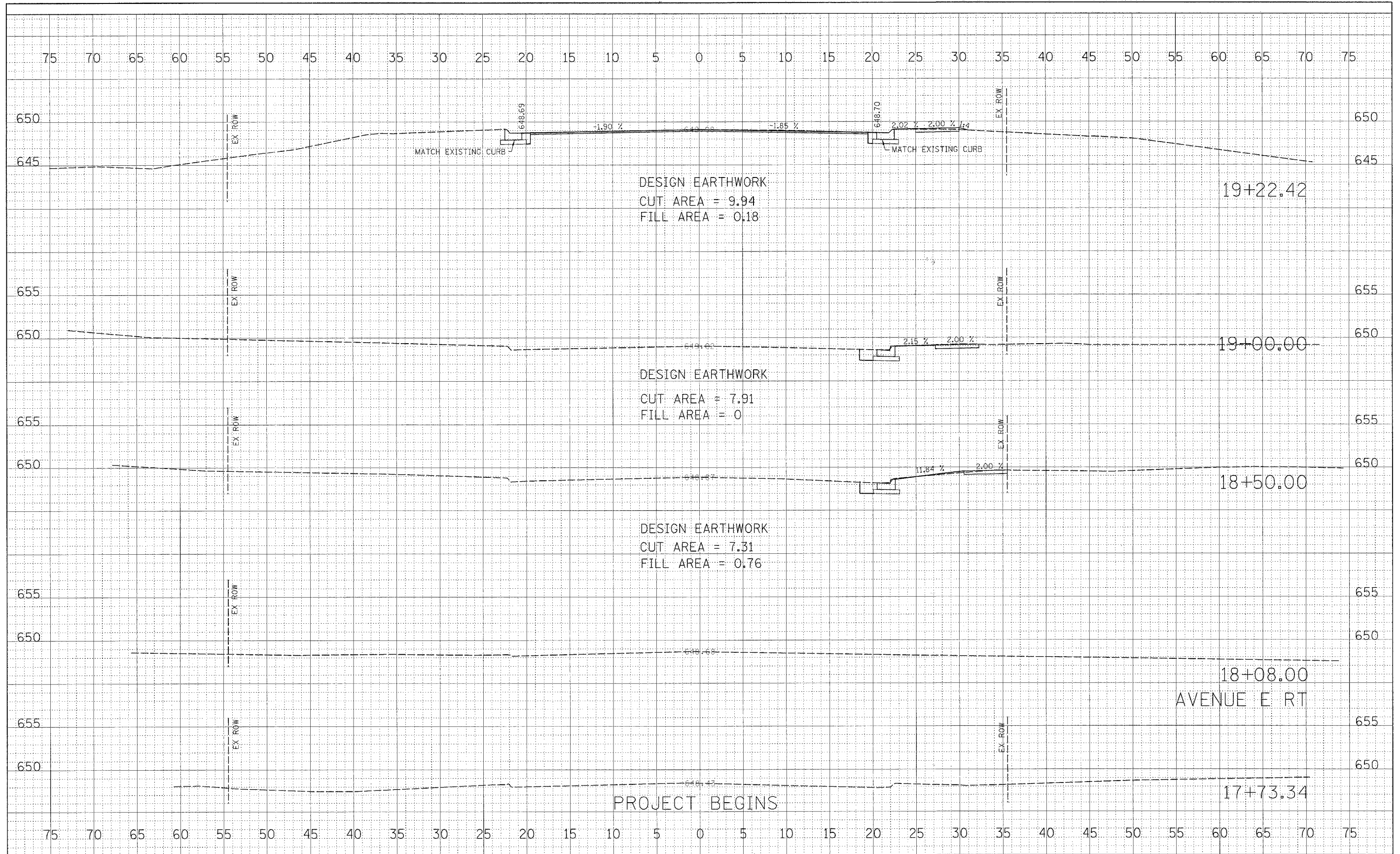
BILL OF MATERIAL

Item	Unit	Total
Elastomeric Bearing Assembly, Type I	Each	24

TYPE I ELASTOMERIC BEARING DETAILS  
 DIXON AVENUE OVER HENNEPIN CANAL  
 SECTION 01-00125-00-BR  
 S.N. 098-3000  
 CITY OF ROCK FALLS

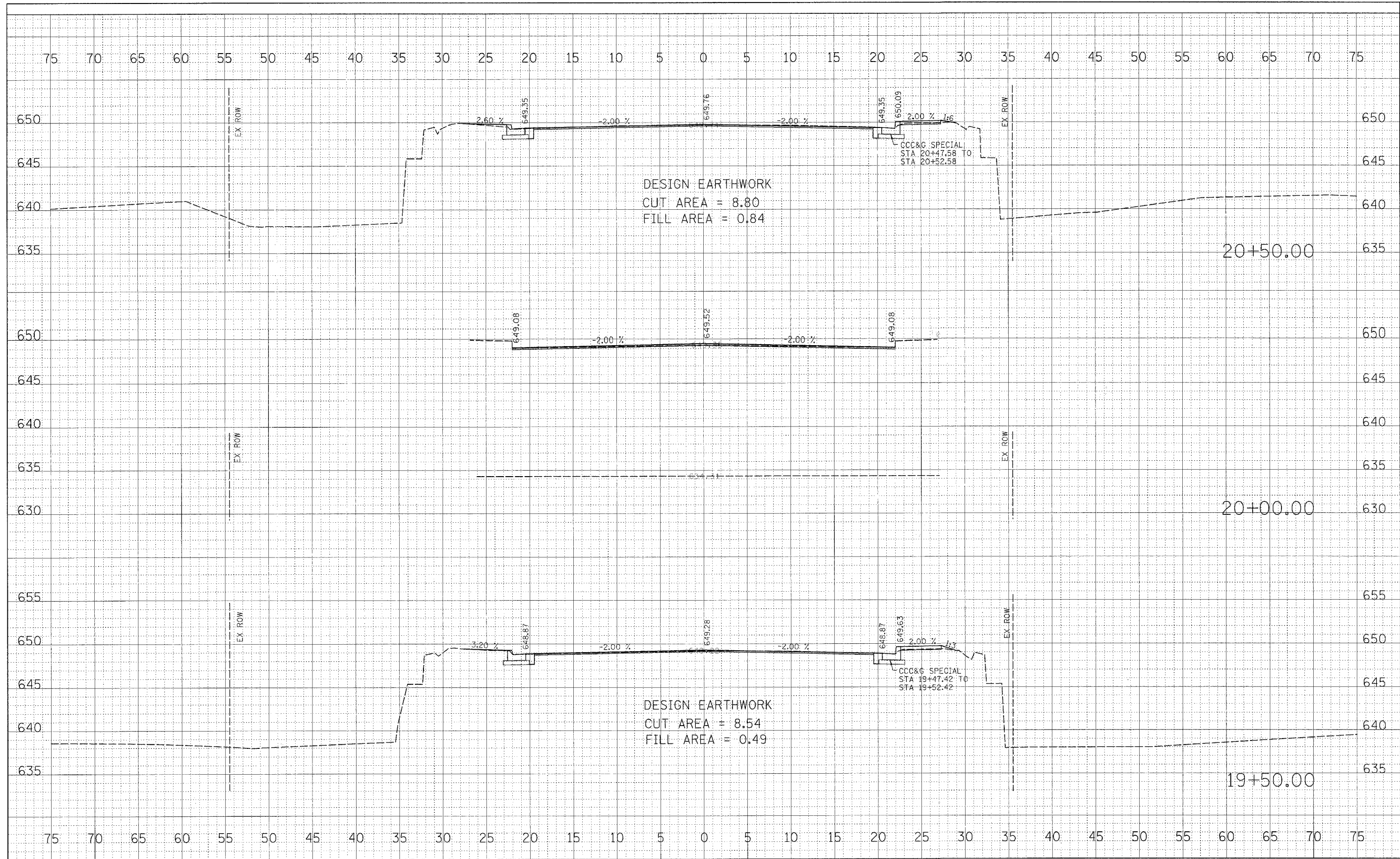
DATE	
BY	
ORIGINAL SURVEY	
DATE	
BY	
DESIGNED	
DRAWN	
CHECKED	
DATE	

DATE	
BY	
DESIGNED	
DRAWN	
CHECKED	
DATE	



FINAL SURVEY NO.	DATE
DESIGNED	BY
PLOTTED	
TEMPLATE	
AREAS	
CHECKED	

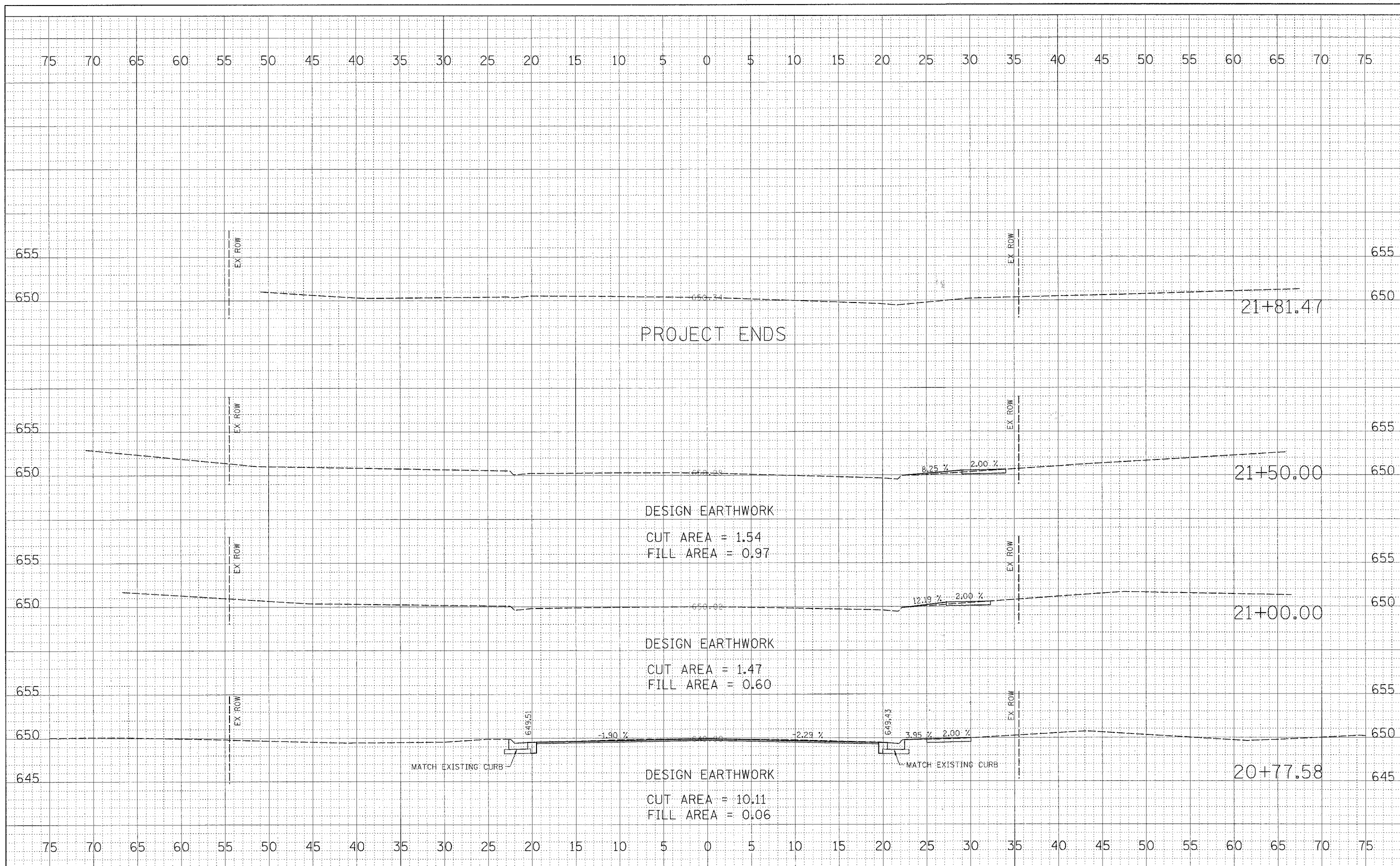
ORIGINAL SURVEY NO.	DATE
DESIGNED	BY
PLOTTED	
TEMPLATE	
AREAS	
CHECKED	



<b>WILLET, HOFMANN &amp; ASSOCIATES, INC.</b> CONSULTING ENGINEERS 609 East Second Street, Dixon, IL 61021 Phone: 815.294.3381 Fax: 815.294.3385 Design Firm # 184-00918 www.willettthofmann.com	USER NAME *	DESIGNED -	REVISED -	<b>DIXON AVENUE - Cross Sections</b> SCALE: SHEET NO. 16 OF SHEETS STA. 19+50.00 TO STA. 20+50.00	F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
	PLOT SCALE *	DRAWN -	REVISED -		5560	01-00125-00-BR	WHITESIDE	17	15	
	PLOT DATE *	CHECKED -	REVISED -		CONTRACT NO. _____					
		DATE -	REVISED -		FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT					

FINAL SURVEY	DATE
REVISIONS	BY
NOTED	
TEMPLATE	
AREAS	
CHECKED	

ORIGINAL SURVEY	DATE
REVISIONS	BY
NOTED	
TEMPLATE	
AREAS	
CHECKED	



PROJECT ENDS

DESIGN EARTHWORK  
 CUT AREA = 1.54  
 FILL AREA = 0.97

DESIGN EARTHWORK  
 CUT AREA = 1.47  
 FILL AREA = 0.60

DESIGN EARTHWORK  
 CUT AREA = 10.11  
 FILL AREA = 0.06

MATCH EXISTING CURB

MATCH EXISTING CURB

**WILLET, HOFMANN & ASSOCIATES, INC.**  
**CONSULTING ENGINEERS**  
 639 East Second Street Dixon, IL 61021  
 Phone 815.284.3381 Fax 815.284.3385  
 Design Firm # 184-00918  
 www.willett-hofmann.com

USER NAME =	DESIGNED -	REVISIONS -
PLOT SCALE =	DRAWN -	REVISIONS -
PLOT DATE =	CHECKED -	REVISIONS -
	DATE -	REVISIONS -

**DIXON AVENUE - Cross Sections**

SCALE: SHEET NO. 17 OF SHEETS STA. 20+77.58 TO STA. 21+81.47

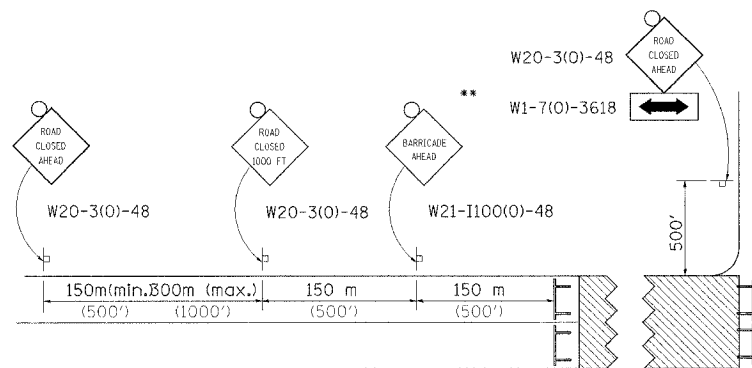
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
5560	01-00125-00-BR	WHITESIDE	17	16
FED. ROAD DIST. NO.			ILLINOIS FED. AID PROJECT	
			CONTRACT NO. _____	



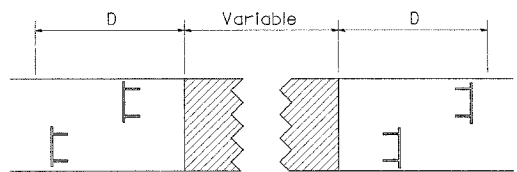
# TRAFFIC CONTROL FOR ROAD CLOSURE

DATE: \_\_\_\_\_ BY: \_\_\_\_\_  
 CHECKED: \_\_\_\_\_  
 ALIGNED: \_\_\_\_\_  
 PLOTTED: \_\_\_\_\_  
 NOTE BOOK NO.: \_\_\_\_\_  
 FILE NAME: \_\_\_\_\_

DATE: \_\_\_\_\_ BY: \_\_\_\_\_  
 CHECKED: \_\_\_\_\_  
 GRADES CHECKED: \_\_\_\_\_  
 STRUCTURE: \_\_\_\_\_  
 MUTATION: \_\_\_\_\_  
 NOTE BOOK NO.: \_\_\_\_\_  
 FILE NAME: \_\_\_\_\_



ROAD CLOSED TO THRU TRAFFIC BARRICADE SET UP

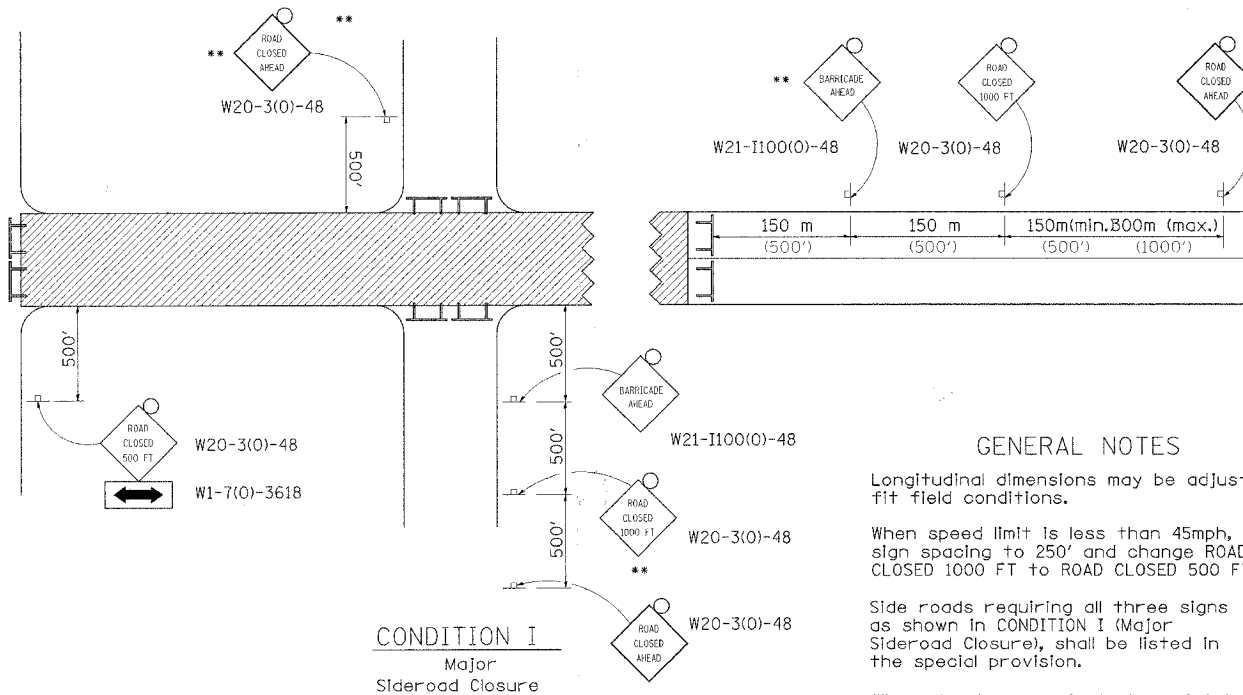


Type III Barricades and R11-4-4830 signs shall be as shown in "Road Closed To All Thru Traffic" detail on Highway Standard 701901. If the distance "D" exceeds 600 m (2000') an additional set of barricades and R11-4-4830 shall be placed at each end of the work area.

PLOT DATE = #DATE#  
 FILE NAME = #FILE#  
 REFERENCE = #REF#

**CONDITION II**

Minor Sideroad Closure



**CONDITION I**

Major Sideroad Closure

**GENERAL NOTES**

Longitudinal dimensions may be adjusted to fit field conditions.

When speed limit is less than 45mph, change sign spacing to 250' and change ROAD CLOSED 1000 FT to ROAD CLOSED 500 FT.

Side roads requiring all three signs as shown in CONDITION I (Major Sideroad Closure), shall be listed in the special provision.

\*\* Where local access is to be maintained, barricades are to be set up as shown in Road Closed to thru traffic.

Type III Barricades and R11-2-4830 signs shall be as shown in "Road Closed To All Traffic" detail on Highway Standard 701901.

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

TYPICAL APPLICATION FOR ROAD CLOSURE

TRAFFIC CONTROL FOR ROAD CLOSURE 40.1

REVISED 10-20-04

S:/STRUCT/1093007C1+yofRockFalls/COVERETC.DGN

FILE NAME =	USER NAME = #USER#	DESIGNED -	REVISED -	<b>WILLETT, HOFMANN &amp; ASSOCIATES, INC</b> <b>CONSULTING ENGINEERS</b> <b>DIXON, IL</b>	F.A. RTE:	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
#FILE#		DRAWN -	REVISED -		5560	01-00125-00-8R	WHITESIDE	17	17
PLOT SCALE = #SCALE#		CHECKED -	REVISED -		CONTRACT NO. _____				
PLOT DATE = #DATE#		DATE -	REVISED -		FED. ROAD DIST. NO. _____ ILLINOIS FED. AID PROJECT				
SCALE: _____ SHEET NO. ____ OF ____ SHEETS STA. _____ TO STA. _____									