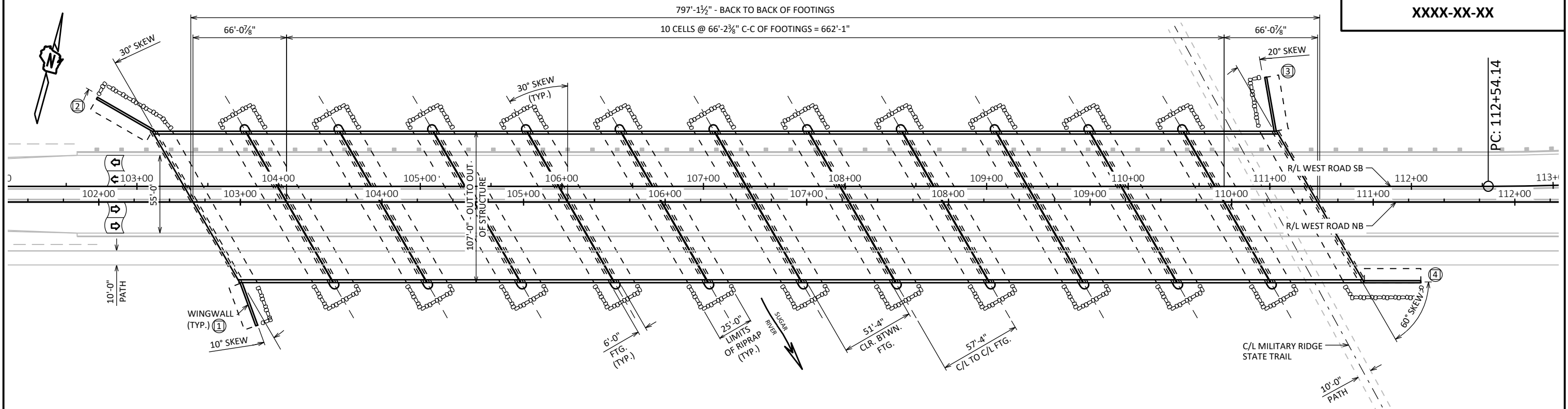


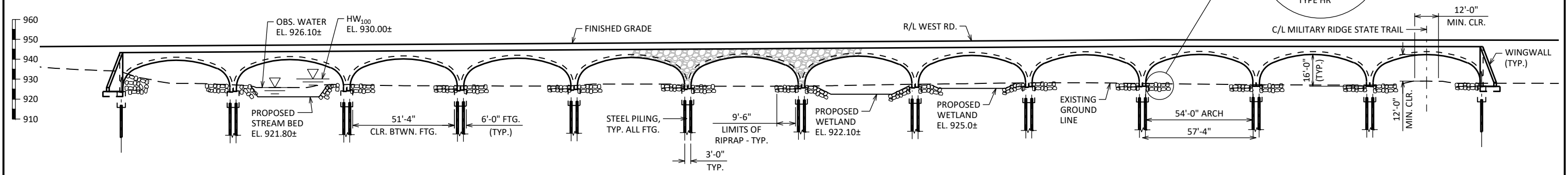
(X) INDICATES WING NUMBER

STATE PROJECT NUMBER

XXXX-XX-XX



PLAN



ELEVATION

LOOKING NORTHWEST - PARALLEL TO PATH
DIMENSIONS SHOWN NORMAL TO ARCH UNLESS NOTED OTHERWISE

DESIGN DATA

LIVE LOAD:
DESIGN LOADING: HL-93
INVENTORY RATING: RF =
OPERATING RATING: RF =
WISCONSIN STANDARD PERMIT VEHICLE (WIS-SPV): XXX (KIPS)

STRUCTURE IS DESIGNED FOR A FUTURE WEARING SURFACE OF 20 POUNDS PER SQUARE FOOT.

EARTH LOAD:
DESIGNED FOR X.X TO X.X FT. OF FILL.

MATERIAL PROPERTIES:
CONCRETE MASONRY:
SUPERSTRUCTURE $f'_c = 4,000$ PSI
ALL OTHER $f'_c = 3,500$ PSI

BAR STEEL REINFORCEMENT
GRADE 60 $f_y = 60,000$ PSI

TRAFFIC DATA

FEATURE ON:
ADT = ()
R.D.S. = MPH

FOUNDATION DATA

FOOTINGS TO BE SUPPORTED ON XXXXXX PILING DRIVEN TO A REQUIRED DRIVING RESISTANCE OF XXX TONS ** PER PILE AS DETERMINED BY THE MODIFIED GATES DYNAMIC FORMULA.
ESTIMATED XX'-0" LONG.
ESTIMATED XX'-0" LONG.

**THE FACTORED AXIAL RESISTANCE OF PILES IN COMPRESSION USED FOR DESIGN IS THE REQUIRED DRIVING RESISTANCE MULTIPLIED BY A RESISTANCE FACTOR OF 0.5 USING MODIFIED GATES TO DETERMINE PILE CAPACITY.

HYDRAULIC DATA

100-YEAR FREQUENCY:
 $Q_{100} =$ C.F.S.
 $V_{100} =$ F.P.S.
HW₁₀₀ = EL.
WATERWAY AREA = SQ. FT.
DRAINAGE AREA = SQ. MI.
ROADWAY OVERTOPPING = N/A
SCOUR CRITICAL CODE =

2-YEAR FREQUENCY:
 $Q_2 =$ C.F.S.
 $V_2 =$ F.P.S.
HW₂ = EL.

LIST OF DRAWINGS:

- GENERAL PLAN
- TYPICAL SECTIONS, QUANTITIES & NOTES

STRUCTURE DESIGN CONTACT:
BUREAU OF STRUCTURES:
AARON BONK (608) 261-0261

CONSULTANT:
MATTHEW KRIPPNER (608) 334-3850

NO.	DATE	REVISION	BY



STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

ACCEPTED _____ DATE _____
CHIEF STRUCTURES DESIGN ENGINEER

STRUCTURE B-XX-XXXX

WEST ROAD OVER MILITARY RIDGE STATE TRAIL

COUNTY DANE TOWN VERONA

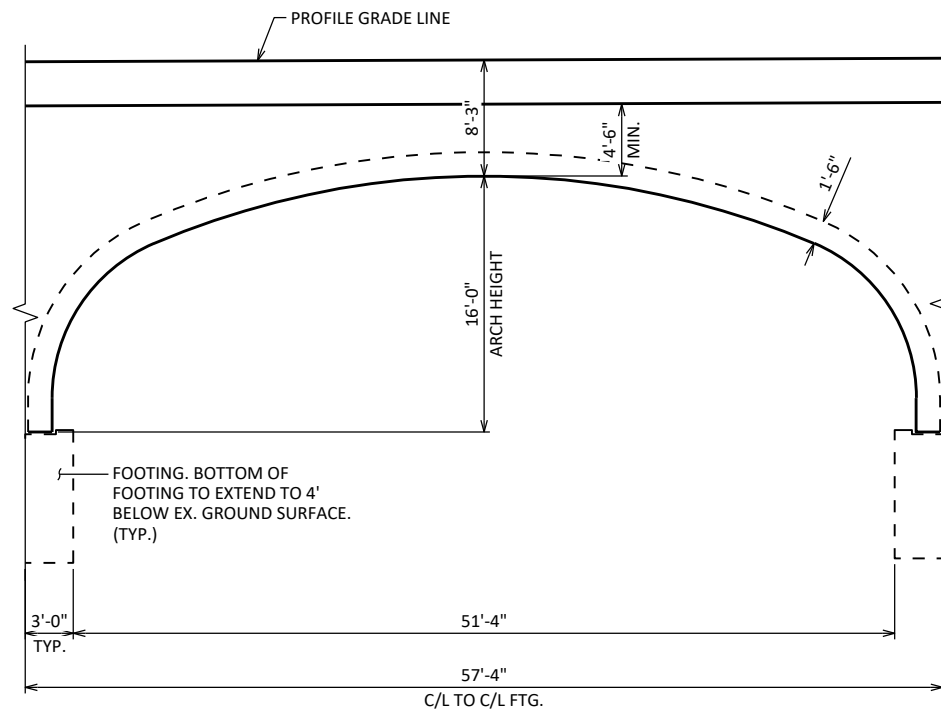
DESIGN SPEC.
AASHTO LRFD BRIDGE DESIGN SPECIFICATION
DESIGNED BY ABS CK'D MSK DRAWN BY DCH PLANS CK'D MSK

GENERAL PLAN SHEET 1 OF 2

8

8

SCALE =



TYPICAL SECTION OF ARCH SEGMENT

NOTE: FOOTING PILING NOT SHOWN FOR CLARITY.

GENERAL NOTES

DRAWINGS SHALL NOT BE SCALED.

BAR STEEL REINFORCEMENT SHALL BE EMBEDDED 2" CLEAR UNLESS OTHERWISE SHOWN OR NOTED.

THE FIRST OR FIRST TWO DIGITS OF THE BAR MARK SIGNIFIES THE BAR SIZE.

BEVEL EXPOSED EDGES OF CONCRETE 3/4" UNLESS OTHERWISE NOTED.

THE UPPER LIMITS OF "EXCAVATION FOR STRUCTURES BRIDGES B-XX-XXX" SHALL BE THE EXISTING GROUNDLINE.

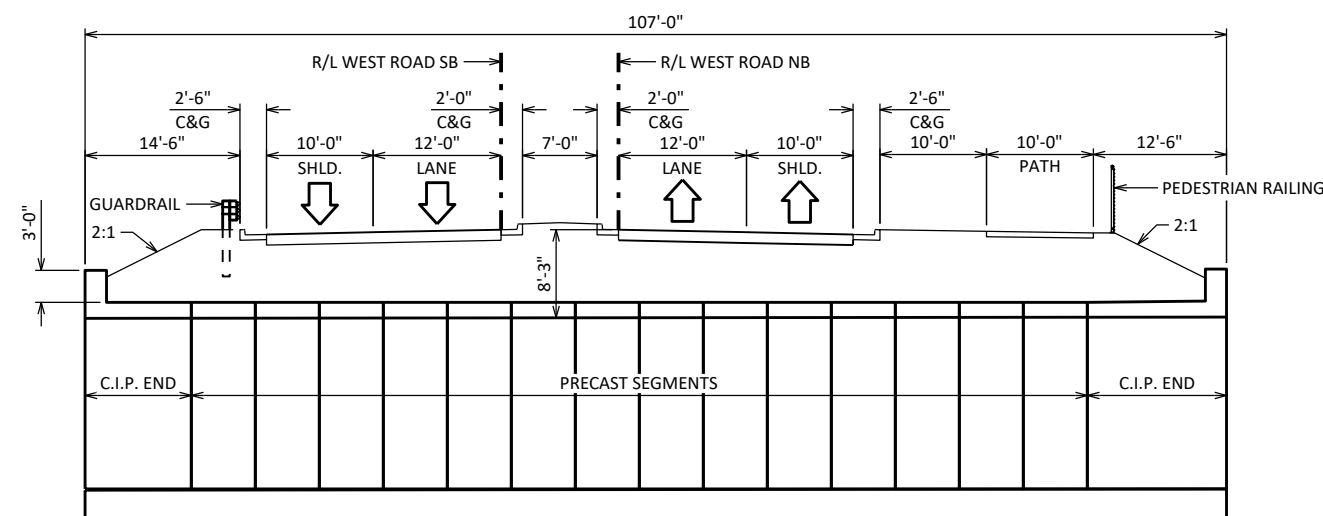
ALL VOLUME WHICH CANNOT BE PLACED BEFORE STRUCTURE CONSTRUCTION AND NOT OCCUPIED BY THE NEW STRUCTURE SHALL BE BACKFILLED WITH STRUCTURE BACKFILL WITHIN THE LENGTH OF THE STRUCTURE INCLUDING THE FULL RETAINING WING WALLS.

PLACE 18" (MIN.) WIDE SHEET OF "RUBBERIZED MEMBRANE WATERPROOFING" OVER ALL CONSTRUCTION JOINTS BETWEEN PRECAST & CAST-IN-PLACE ARCH SEGMENTS.

THE CONTRACTOR MAY ELECT TO SUBSTITUTE #1 OR #2 CONCRETE COARSE AGGREGATE OR OTHER GRANULAR MATERIAL AS APPROVED BY THE FIELD ENGINEER, IN LIEU OF THE SELECT CRUSHED MATERIAL, TO BE UTILIZED AS A CONSTRUCTION PLATFORM FOR THE BOX. THE CONTRACTOR IS RESPONSIBLE FOR BASE STABILITY WITH ANY SUBSTITUTED MATERIAL.

TOTAL ESTIMATED QUANTITIES

BID ITEM NUMBER	BID ITEMS	UNIT	TOTALS
206.1001	EXCAVATION FOR STRUCTURES BRIDGES B-XX-XXX	EACH	--
210.2500	BACKFILL STRUCTURE TYPE B	TON	--
502.0100	CONCRETE MASONRY BRIDGES	CY	--
505.0400	BAR STEEL REINFORCEMENT HS STRUCTURES	LB	--
505.0600	BAR STEEL REINFORCEMENT HS COATED STRUCTURES	LB	--
511.1200	TEMPORARY SHORING B-XX-XXX	SF	--
516.0500	RUBBERIZED MEMBRANE WATERPROOFING	SY	--
550.XXXX	PILING STEEL XXXXXXXX	LF	--
645.0120	GEOTEXTILE TYPE HR	SY	--
	NON-BID ITEMS		
	FILLER	SIZE	1/2" 3/4"



TYPICAL SECTION THRU STRUCTURE

LOOKING PARALLEL TO ROADWAY

NO.	DATE	REVISION	BY
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION			
STRUCTURE B-XX-XXXX			
DRAWN BY		PLANS CK'D	
DCH		MSK	
TYPICAL SECTIONS, QUANTITIES & NOTES			SHEET 2 OF 2

SCALE =