GENERAL NOTES

WHEREVER IN THE PLANS OR SPECIFICATIONS THE TERM STANDARD SPECIFICATIONS IS USED, IT SHALL BE UNDERSTOOD BY THE CONTRACTOR TO MEAN THE STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION AS PREPARED BY THE DEPARTMENT OF TRANSPORTATION OF THE STATE OF ILLINOIS AND ADOPTED JANUARY 1, 2022.

EXISTING ROAD SIGNS THAT CONFLICT WITH CONSTRUCTION OPERATIONS SHALL BE COVERED OR REMOVED AS DIRECTED BY THE ENGINEER, THIS WORK WILL NOT BE PAID FOR SEPARATELY BUT SHALL BE INCLUDED IN THE COST OF THE CONTRACT PAY ITEMS AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED TO THE CONTRACTOR.

EXCEPT WHERE DESIGNATED OTHERWISE, THE LOCATIONS AND/OR DEPTHS OF UNDERGROUND UTILITIES SHOWN HAVE BEEN TAKEN FROM INFORMATION FURNISHED BY THE UTILITY OWNERS & MUST BE CONSIDERED APPROXIMATE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATING ALL UNDERGROUND UTILITIES. CONTACT J.U.L.I.E., PHONE 800-892-0123, AND ALL UTILITY COMPANIES PRIOR TO DIGGING.

THE CONTRACTOR SHALL NOTIFY ALL UTILITY COMPANIES 48 HOURS PRIOR TO EXCAVATION

THE CONTRACTOR SHALL TAKE REASONABLE PRECAUTIONS TO PROTECT PUBLIC AND PRIVATE PROPERTY. IF AT ANY TIME THE CONTRACTOR DAMAGES OR DESTROYS PUBLIC OR PRIVATE PROPERTY. THE CONTRACTOR SHALL, AT HIS OWN EXPENSE, RESTORE SUCH PROPERTY TO A CONDITION EQUAL TO THAT EXISTING BEFORE SUCH DAMAGE.

THE CONTRACTOR SHALL NOTIFY THE PERRY COUNTY HIGHWAY DEPARTMENT RESIDENT ENGINEER AND THE COUNTY ENGINEER 72 HOURS IN ADVANCE OF CONSTRUCTION WORK.

UTILITY COMPANIES MAY BE ADJUSTING THEIR FACILITIES AT THE TIME OF CONSTRUCTION OF THIS PROJECT. THE CONTRACTOR SHALL COOPERATE WITH THESE ORGANIZATIONS WHILE THEY PERFORM THEIR WORK.

GRADING SHALL BE DONE BY HAND AROUND LIGHTS POLES, UTILITY POLES, SIGN POSTS, SHRUBS, TREES OR OTHER NATURAL OR MAN-MADE OBJECTS WHERE SHALLOW FILLS OR CUTS ARE ADJACENT TO THE ITEMS. THE DECISION AS TO ITEMS TO REMAIN IN PLACE SHALL BE DIRECTED BY THE ENGINEER. THIS WORK WILL NOT BE PAID FOR SEPARATELY, AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.

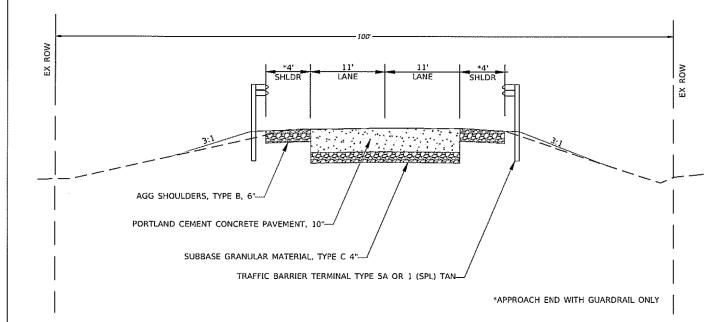
IT IS THE CONTRACTOR'S RESPONSIBILITY TO VERIFY ALL DIMENSIONS AND CONDITIONS EXISTING IN THE FIELD PRIOR TO CONSTRUCTION AND ORDERING MATERIALS.

THE FOLLOWING APPLICATION RATES HAVE BEEN USED IN THE CALCULATION OF THE PLAN QUANTITIES:

RIPRAP: AGG SHOULDERS:

1.75 TONS/CU YD 2.05 TONS/CU YD

SUBBASE AGG MATERIAL: 2.05 TONS/CU YD



	DESIGNED: BCG	REVISED	- <u> </u>
	DRAWN: MSH	REVISED	
	CHECKED: JMB	REVISED	****
	DATE: 1/29/2025	REVISED	

TYPICAL SECTION NOT TO SCALE



METROPOLIS

(217) 422-8544 DECATUR (217) 422-0544 SCHAUMBURG (773) 714-0050 ROCKFORD (815) 489-0050 PARIS (217) 422-8544

GENERAL NOTES, SOQ AND TYPICAL SECTION WHITE WALNUT ROAD OVER WHITE WALNUT CREEK SHEET NO. OF SHEETS STA. 2+00 TO STA. 4+00

TOTAL SHEET SECTION COUNTY PERRY 12 2 20-00148-00-BR 9964 CONTRACT NO. 99752

SUMMARY OF QUANTITIES

Pay Item	Description	Unit	Total
20200100	Earth Excavation	Cu. Yd.	38
20300100	Channel Excavation	Cu. Yd.	390
20000100	Citatines excession		
28000400	Perimeter Erosion Barrier	Foot	100
28100707	Stone Dumped Riprap, Class A4	Sq. Yd.	380
31102100	Subbase Aggregate Material, Type C 4"	Sq. Yd.	37
42000500	Portland Cement Concrete Pavement 10"	Sq. Yd.	37
48101200	Aggregate Shoulders, Type B	Ton	16
50100100	Removal of Existing Structures	Each	1
50200100	Structure Excavation	Cu. Yd.	122
50300225	Concrete Structures	Cu. Yd.	28.8
50400505	Precast Prestressed Concrete Deck Beams (27" Depth)	Sq. Ft.	1910
50800205	Reinforcement Bars, Epoxy Coated	Pound	3850
50901050	Steel Railing, Type SM	Foot	130
F1301600	Funciables Charl Dilas (1912)(52)		210
51201600	Furnishing Steel Piles HP12x53	Foot	810
51202305	Driving Piles	Foot	810
51204650	Pile Shoes	Each	20
51500100	Name Plates	Each	1
59300100	Controlled Low-Strength Material	Cu. Yd.	49.2
63100075	Traffic Barrier Terminal, Type 5A	Each	2
63100167	Traffic Barrier Terminal, Type 1 (Special) Tangent	Each	2
63200310	Guardrail Removal	Foot	156
67100100	Mobilization	L Sum	1
72501000	Terminal Marker - Direct Applied	Each	4
X2501020	Seeding Class 2A (Special)	Acre	0.2
X7011800	Traffic Control and Protection, Standard BLR 21	L Sum	1
Z0013798	Construction Layout	L Sum	1

⁺ SPECIALITY ITEM * Indicates Special Provision

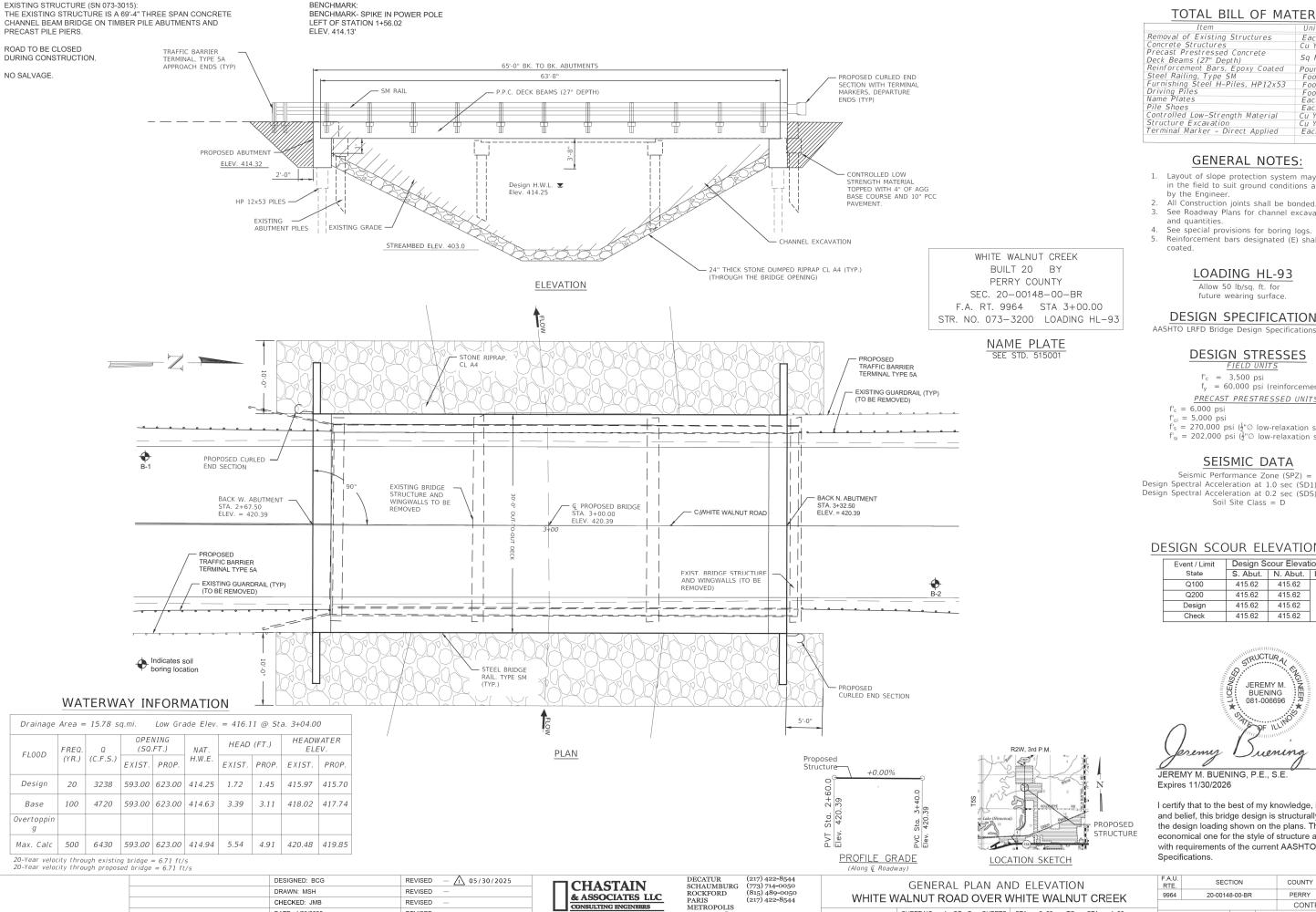
EARTHWORK SCHEDULE

	1	2	3	4	5
	20200100	20300100	*EXCAVATION TO BE	*EMBANKMENT	EARTHWORK
LOCATION	EARTH	CHANNEL	USED IN EMBANKMENT	(FILL)	BALANCE
LOCATION	EXCAVATION	EXCAVATION	(ADJUSTED FOR SHRINKAGE)		WASTE (+) OR
			(COL 1 + COL 2) X 0.75		SHORTAGE (-)
	(CU YD)	(CU YD)	(CU YD)	(CU YD)	(CU YD)
2+17.50 TO 3+82.50	38	390	321	40	281
TOTAL	38	390	321	40	281

EARTH EXCAVATION SHRINKAGE FACTOR ASSUMED TO BE 25%

ITEMS MARKED WITH AN ASTERISK (*) ARE FOR INFORMATIONAL PURPOSES ONLY

CHANNEL EXCAVATION MAY BE UNSUITABLE FOR EMBANKMENT. COUNTY TO DETERMINE SUITABILITY IN THE FIELD.



DATE: 1/29/2025

REVISED

TOTAL BILL OF MATERIAL

TO THE BILL OF THE CITY			
Item	Unit	Quantity	
Removal of Existing Structures	Each	1	
Concrete Structures	Cu Yd	28.8	
Precast Prestressed Concrete Deck Beams (27" Depth)	Sq Ft	1910	
Reinforcement Bars, Epoxy Coated	Pound	c 3850	١,
Steel Railing, Type SM	Foot	130	/:
Furnishing Steel H-Piles, HP12x53	Foot	allan	_
Driving Piles	Foot	810	
Name Plates	Each	1	
Pile Shoes	Each	20	
Controlled Low-Strength Material	Cu Yd	49.2	
Structure Excavation	Cu Yd	122	
Terminal Marker - Direct Applied	Each	4	

GENERAL NOTES:

- 1. Layout of slope protection system may be varied in the field to suit ground conditions as directed by the Engineer.
- 3. See Roadway Plans for channel excavation limits and quantities.
- 4. See special provisions for boring logs. 5. Reinforcement bars designated (E) shall be epoxy

LOADING HL-93

Allow 50 lb/sq. ft. for future wearing surface.

DESIGN SPECIFICATIONS

AASHTO LRFD Bridge Design Specifications, 9th Ed.

DESIGN STRESSES

FIELD UNITS $f'_{c} = 3.500 \text{ psi}$

 $f_v = 60,000 \text{ psi (reinforcement)}$

PRECAST PRESTRESSED UNITS

 $f'_{c} = 6.000 \text{ psi}$

 $f'_{ci} = 5,000 \text{ psi}$

 $f'_s = 270,000 \text{ psi } (\frac{1}{2} \% \text{ low-relaxation strands})$ $f'_{si} = 202,000 \text{ psi } (\frac{1}{2} \% \text{ low-relaxation strands})$

SEISMIC DATA

Seismic Performance Zone (SPZ) = 3Design Spectral Acceleration at 1.0 sec (SD1) = 0.307gDesign Spectral Acceleration at 0.2 sec (SDS) = 0.718g Soil Site Class = D

DESIGN SCOUR ELEVATION TABLE

Event / Limit	Design Scour Elevations (ft.)			
State	S. Abut.	N. Abut.	Item 113	
Q100	415.62	415.62		
Q200	415.62	415.62] 8	
Design	415.62	415.62		
Check	415.62	415.62		

STRUCTURA

JEREMY M BUENING 081-006696 bremer

JEREMY M. BUENING, P.E., S.E.

4/2/2025 Date

Expires 11/30/2026

SHEET NO. 1 OF 7 SHEETS STA. 2+00 TO STA. 4+00

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 of the current AASHTO Bridge Design Specifications.

SECTION COUNTY RTE. SHEETS NO. 20-00148-00-BR PERRY CONTRACT NO 99752.

