

STRUCTURAL NOTES

ALL STRUCTURAL STEEL SHALL BE AASHTO M 270 GRADE 36 OR GRADE 50.
WELD ELECTRODES SHALL BE E70XX.

ALL NEW STRUCTURAL STEEL FASTENERS SHALL BE HIGH STRENGTH BOLTS FURNISHED AND GALVANIZED (PRIOR TO INSTALLATION AND PAINTING) IN ACCORDANCE WITH SECTION 1072-5 OF THE STANDARD SPECIFICATIONS.

NO SEPARATE PAYMENT WILL BE MADE FOR ANY NECESSARY EXCAVATION AS THIS IS CONSIDERED INCIDENTAL TO THE PILE REPAIRS.

FOR COORDINATION WITH FERRY DIVISION, SEE SPECIAL PROVISIONS.

FOR SUBMITTAL OF WORKING DRAWINGS, SEE SPECIAL PROVISIONS.

FOR FALSEWORK AND FORMWORK, SEE SPECIAL PROVISIONS.

FOR CRANE SAFETY, SEE SPECIAL PROVISIONS.

FOR GROUT OF STRUCTURES, SEE SPECIAL PROVISIONS.

FOR SECURING OF VESSELS, SEE SPECIAL PROVISIONS.

FOR PILE JACKETS, SEE SPECIAL PROVISIONS.

FOR WORK IN, OVER OR ADJACENT TO NAVIGABLE WATERS, SEE SPECIAL PROVISIONS.

FOR DOLPHIN FENDERS, SEE SPECIAL PROVISIONS.

FOR STEEL REPAIRS, SEE SPECIAL PROVISIONS.

FOR STEEL BEAM CRACK REPAIRS, SEE SPECIAL PROVISIONS.

FOR STEEL PILE REPAIRS, SEE SPECIAL PROVISIONS.

FOR STEEL BEARING REPAIRS, SEE SPECIAL PROVISIONS.

FOR CONCRETE REPAIRS, SEE SPECIAL PROVISIONS.

FOR CONCRETE WASHOUT, SEE SPECIAL PROVISIONS.

THE CONTRACTOR'S ATTENTION IS CALLED TO THE FACT THAT DUE TO THE NATURE OF PRESERVATION PROJECTS, THE EXTENT OF WORK CANNOT ALWAYS BE ACCURATELY DETERMINED PRIOR TO COMMENCEMENT OF WORK. REPAIR LOCATIONS AND ESTIMATES OF QUANTITIES ARE GIVEN WITH THE BEST INFORMATION AVAILABLE. IF ADDITIONAL REPAIRS NOT SHOWN ON THE DRAWINGS ARE DEEMED NECESSARY BY THE ENGINEER, THE ENGINEER SHALL NOTE ON THE DRAWINGS THE APPROXIMATE LOCATION AND DESCRIPTION OF THE REPAIRS.

EXISTING DIMENSIONS AND BRIDGE CONDITION ARE FROM THE BEST INFORMATION AVAILABLE. THE CONTRACTOR SHALL FIELD VERIFY THE INFORMATION SHOWN ON THE PLANS AND NOTIFY THE ENGINEER IF ACTUAL DIMENSIONS OR CONDITIONS DIFFER.

THE CONTRACTOR SHALL HAVE NO CLAIM WHATSOEVER AGAINST THE DEPARTMENT FOR ANY DELAYS OR ADDITIONAL COST INCURRED BASED ON DIFFERENCES BETWEEN WHAT IS SHOWN ON THE PLANS AND THE ACTUAL CONDITIONS AT THE PROJECT SITE.

IT IS THE CONTRACTOR'S RESPONSIBILITY TO FOLLOW ALL STATE AND FEDERAL SAFETY REQUIREMENTS.

WORK ON THE BRIDGE SHALL BE PERFORMED SO AS NOT TO ALLOW DEBRIS TO FALL BELOW, EXCEPT WHERE THE CONTRACTOR'S PLANS USE PLATFORMS, NETS, SCREENS OR OTHER PROTECTIVE DEVICES TO CATCH THE MATERIAL. THE CONTRACTOR SHALL SUBMIT PLANS FOR CONSTRUCTION IN ACCORDANCE WITH ARTICLE 402-2 OF THE STANDARD SPECIFICATIONS AND THE PROJECT SPECIAL PROVISIONS.

THE CONTRACTOR SHALL PERFORM ALL WORK WITH CARE SO THAT THE EXISTING STRUCTURE WHICH IS TO REMAIN IN PLACE WILL NOT BE DAMAGED. IF THE CONTRACTOR DAMAGES ANY PART OF THE EXISTING STRUCTURE WHICH IS TO REMAIN IN PLACE, THE DAMAGED AREA SHALL BE REPAIRED OR REPLACED IN A MANNER SATISFACTORY TO THE ENGINEER AT NO ADDITIONAL COST TO THE DEPARTMENT.

ANY DAMAGE TO THE EXISTING REINFORCING STEEL, DURING CONTRACTOR'S OPERATIONS, SHALL BE REPAIRED AS DIRECTED BY THE ENGINEER AND PERFORMED AT NO ADDITIONAL COST TO THE DEPARTMENT.

PRIOR TO BEGINNING WORK, THE CONTRACTOR SHALL SUBMIT FOR REVIEW AND APPROVAL A COMPLETE SEQUENCE OF TASKS FOR EACH OPERATION AFFECTING THE BRIDGE SURFACE AND/OR TRAFFIC.

GENERAL NOTES

DETAILS OF MACHINERY SHALL CONFORM TO THE LATEST AASHTO MOVABLE BRIDGE DESIGN SPECIFICATIONS UNLESS OTHERWISE SHOWN ON THE PLANS OR PROVIDED FOR IN THE SPECIFICATIONS.

THE CONTRACTOR SHALL FIELD VERIFY ALL DIMENSIONS ON THE PLANS AND SHALL NOTIFY THE ENGINEER IN WRITING OF ANY DISCREPANCIES PRIOR TO ORDERING ANY MATERIALS OR BEGINNING ANY REPAIR WORK. DIMENSIONS SHALL BE COORDINATED WITH ALL DRAWINGS AS REQUIRED.

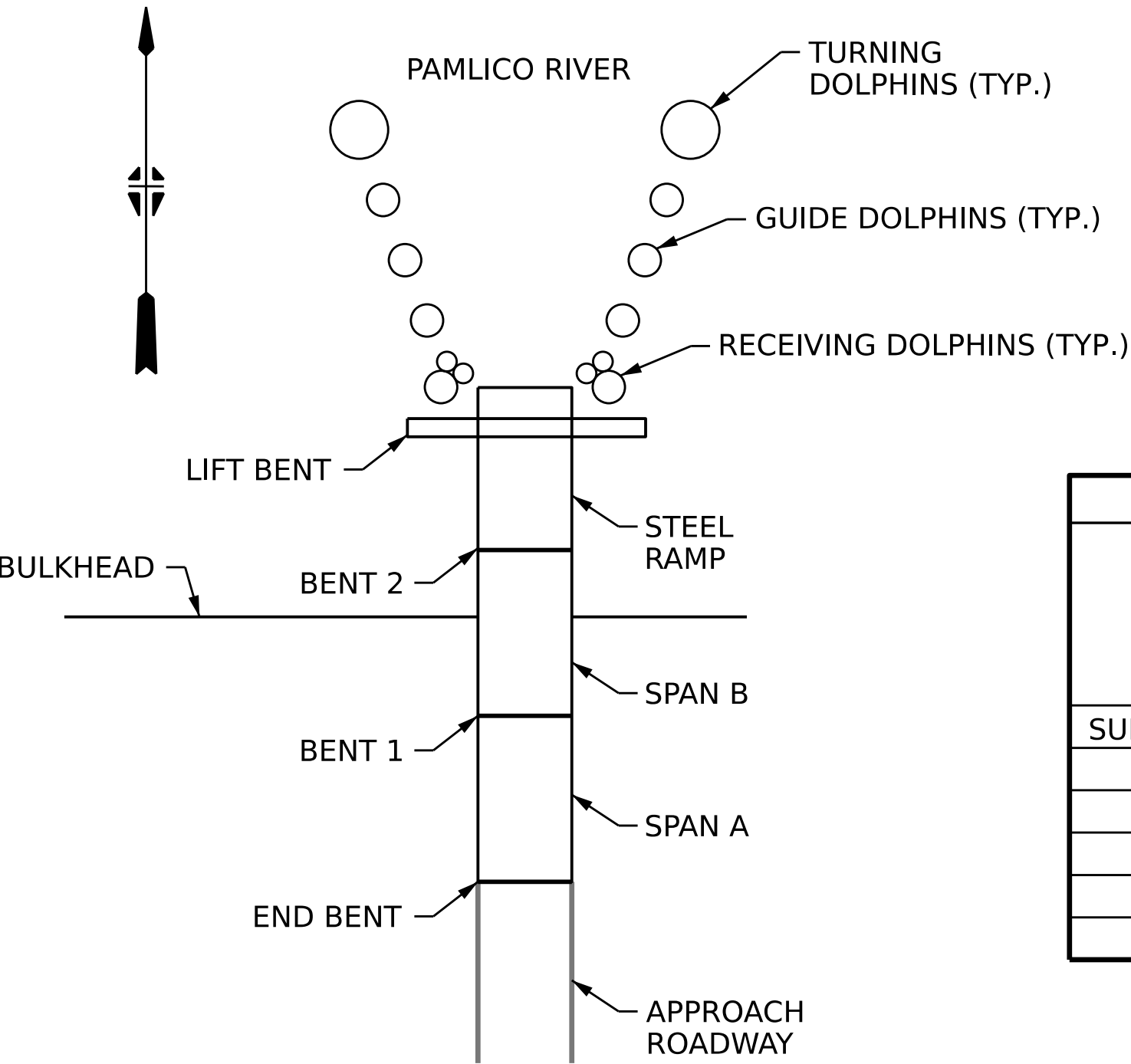
WORK SHALL BE IN COMPLIANCE WITH THE OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION (OSHA) REGULATIONS, DEPARTMENT OF ENVIRONMENTAL QUALITY (DEQ) REGULATIONS, THE MOST CURRENT VERSION OF NCDOT STANDARD SPECIFICATIONS FOR ROADS AND STRUCTURES, FEDERAL AND STATE REGULATIONS AS APPLICABLE AND THE U.S. COAST GUARD.

DAMAGE TO THE EXISTING RAMP STRUCTURES, INCLUDING PAINT OR GALVANIZED COATINGS, CAUSED BY THE ACTIONS OF THE CONTRACTOR OR THEIR SUB-CONSULTANTS SHALL BE REPAIRED AT NO ADDITIONAL COST TO THE DEPARTMENT.

THE CONTRACTOR IS NOT ALLOWED TO STORE ANY MATERIALS OR EQUIPMENT ON THE RAMP, GANTRY STRUCTURE OR APPROACHES.

FOR RAMP MECHANICAL REPAIR WORK, SEE SPECIAL PROVISIONS.

FOR RAMP ELECTRICAL REPAIR WORK, SEE SPECIAL PROVISIONS.



KEY PLAN

TOTAL BILL OF MATERIAL										
	CONCRETE REPAIRS	STEEL BEAM CRACK REPAIR	STEEL BEARING REPAIRS	STEEL PILE REPAIRS	PILE JACKETS	STEEL REPAIRS	UNTREATED WHITE OAK TIMBER	ULTRA HIGH MOLECULAR WEIGHT POLYETHYLENE	RAMP MECHANICAL REPAIR WORK	RAMP ELECTRICAL REPAIR WORK
	CU. FT.	EACH	LUMP SUM	LBS.	LIN. FT.	LUMP SUM	LIN. FT.	SQ. FT.	LUMP SUM	LUMP SUM
SUPERSTRUCTURE	0.2	7								
BENT 1				298						
BENT 2				318	42.4					
LIFT BENT				370	133.6					
DOLPHINS							616	280		
TOTAL	0.2	7	LUMP SUM	986	176	LUMP SUM	616	280	LUMP SUM	LUMP SUM

PROJECT NO. **15BPR.164**
BEAUFORT COUNTY
TERMINAL: **AURORA**

STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION
RALEIGH

BILL OF MATERIAL,
GENERAL NOTES, AND
KEY PLAN

REVISIONS						SHEET NO. G1-01
NO.	BY:	DATE:	NO.	BY:	DATE:	
1	--	--	3	--	--	TOTAL SHEETS 34
2	--	--	4	--	--	



DOCUMENT NOT CONSIDERED FINAL
UNLESS ALL SIGNATURES COMPLETED

DES BY: <u>G. MYERS</u>	DATE : <u>11/2025</u>	DWG BY: <u>B. PETERSON</u>	DATE : <u>11/2025</u>
DES CHK: <u>D. KNICKERBOCKER</u>	DATE : <u>11/2025</u>	CHK BY: <u>G. MYERS</u>	DATE : <u>11/2025</u>

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