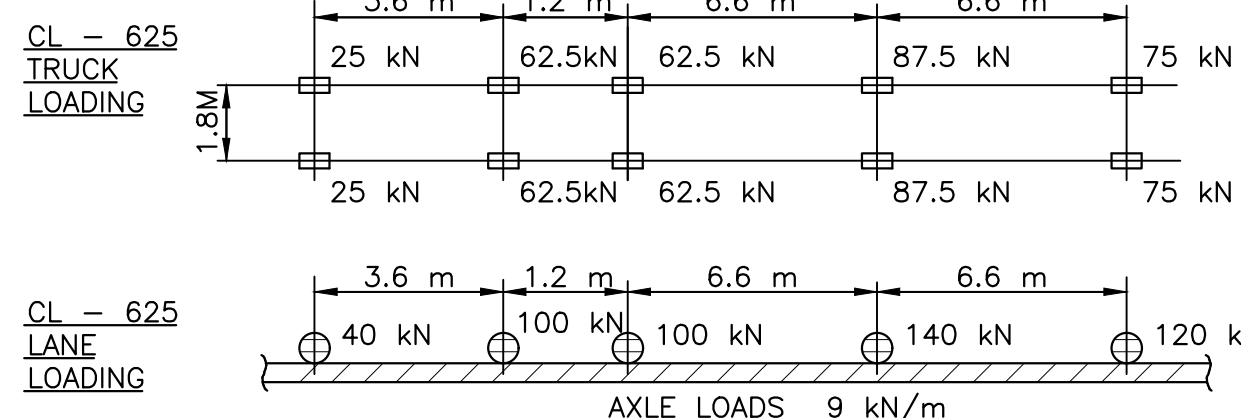


GENERAL NOTES:

- GENERAL REQUIREMENTS GOVERNING DESIGN, MATERIALS, AND CONSTRUCTION ARE AS FOLLOWS:
 - LOADING AND GENERAL DESIGN AND CONSTRUCTION TO CAN/CSA-S6-19, WITH LATEST REVISIONS
- ALL DIMENSIONS SHOWN IN MILLIMETRES (mm), ALL ELEVATIONS ARE IN METRES (m). (U.N.O.)
- ALL SPECIFICATION NOTES TO REFLECT THE "LATEST EDITION" AT TIME OF TENDER.
- LIVE LOADS CL-625



- GEOTECHNICAL CONDITIONS BASED ON INFORMATION PROVIDED IN HARBOURSIDE GEOTECHNICAL REPORT 193135 DATED 2019-12-02.
- BRIDGE BARRIERS & ANCHORAGES CONFORM TO TL-4 CRASH TEST REQUIREMENTS AS PER CHBDC CSA-S6-19.
- ANY DISCREPANCIES BETWEEN DRAWINGS AND FIELD CONDITIONS SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER PRIOR TO PROCEEDING WITH CONSTRUCTION.
- EXISTING CONDITIONS BASED ON THOMPSON CONN LTD SURVEY AND HARBOURSIDE ENGINEERING FIELD MEASUREMENTS. SURVEY TO NOVA SCOTIA COORDINATE SYSTEM, MTM ZONE 4. PLANE COORDINATES OF NORTH AMERICAN DATUM 1983 (CSRS), EPOCH 2010. VERTICAL DATUM REFERENCED TO CGVD 2013.
- HYDRAULIC CLEARANCE SET FOR STRUCTURE TO CLEAR YEAR 2100 EXTREME LAKE LEVEL CONSIDERING SEA LEVEL RISE, STORM SURGE, 1-IN-100 YEAR FLOW AND WAVE ACTION.
- PRECAST CONCRETE RIGID FRAME SUPERSTRUCTURE AND PRECAST CONCRETE RETAINING WALLS ARE A DESIGN-BUILD ITEM.

CONCRETE NOTES:

- ALL EXPOSED CORNERS OF CONCRETE TO HAVE 25mm CHAMFERS.
- IN ADDITION TO THOSE SHOWN ON DRAWINGS, LOCATION OF CONSTRUCTION JOINTS AND SEQUENCE OF CONCRETE PLACEMENT TO BE APPROVED BY THE ENGINEER.
- CONCRETE COMPRESSIVE STRENGTH AT 28 DAYS:
 - ABUTMENTS, PRECAST CONCRETE, SIDEWALK, CURB AND APPROACH SLAB TO CSA-A23.1-19, CLASS C-1 EXPOSURE WITH THE FOLLOWING VARIATIONS: COMPRESSIVE STRENGTH OF 35 MPa AT 28 DAYS, CHLORIDE ION PERMEABILITY AT 91 DAYS < 1000 COULOMBS, 20mm MAX. NON REACTIVE AGGREGATE, 0.4 WATER-CEMENT RATIO AND 5-8% AIR ENTRAINMENT.
- CONCRETE MATERIALS AND METHODS OF CONSTRUCTION TO CAN/CSA-A23.1, AND METHODS OF TEST FOR CONCRETE TO CAN/CSA-A23.2
- CONCRETE COVER TO REINFORCING STEEL AS NOTED ON DRAWINGS.
- REINFORCING STEEL TO G30.18 WITH YIELD STRENGTH OF 400 MPa (WELDABLE). ALL REINFORCING HOT-DIPPED GALVANIZED.
- ALL REINFORCEMENT TO BE INSPECTED BY THE ENGINEER PRIOR TO CLOSING, FORMWORK OR PLACING CONCRETE.
- COMPACTING IMMEDIATELY ADJACENT TO RIGID FRAME WALLS SHALL BE ACCOMPLISHED WITH LIGHT COMPACTING EQUIPMENT. MODERATE COMPACTING WITH A TRENCH ROLLER IN 200mm LIFTS ELSEWHERE (ALL COMPACTION SHALL BE 95% STD. PROCTOR DENSITY). BACKFILLING SHALL NOT BE UNDERTAKEN UNTIL ALL SUPERSHAW SPAN SEGMENTS ARE FULLY ERECTED AND GROUTED INTO PLACE IN FOOTING KEYS. BACKFILLING SHALL BE ACCOMPLISHED IN EQUAL/BALANCED LIFTS BEHIND EACH WALL. WHEEL LOADS SHALL BE KEPT 3.0m MINIMUM CLEAR OF ABUTMENTS UNTIL CONCRETE REACHES DESIGN STRENGTH AND BACKFILLING IS COMPLETED BEHIND BOTH ABUTMENTS.
- BENT REINFORCING BAR TYPES REFER TO R.S.I.C. REINFORCING STEEL MANUAL OF STANDARD PRACTICE TYPICAL BAR BEND DETAILS EXCEPT BAR BEND DIAMETERS AS PER PROJECT SPECIFICATION.
- ALL REINFORCING LAPS TO BE CLASS B TENSION LAPS, OR BETTER.

0	ISSUED FOR TENDER	25 AUG 2022
revisions		date
project	JOHN PAUL LANE BRIDGE REPLACEMENT	
	ESKASONI, NOVA SCOTIA	

drawing design

GENERAL ARRANGEMENT

designed	P.BURKE	conçu
date	MAY 2022	
drawn	L.DOUCETTE	dessiné
date	MAY 2022	
approved	P.BURKE	approuvé
date	MAY 2022	

Tender	Soumission
PMSC Project Manager	Administrateur de projets TPSC
project number	no. du projet

R.116831.001

drawing no.	no. du dessin
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