

NEW PARAPET PARAPETS INCREASE TO 1.80m MIN. EXISTING ROAD TOP LEVEL OF PROPOSED ROAD EXISTING FROM ROAD LEVEL AND TO BE H4A CONTAINMENT ALIGNMENT **EXISTING PARAPET** ALIGNMENT BRIDGE DECK 59.53 EARTH WIRE 57,55 57.47 57.40 FEEDER WIRE 56.64 SEE DETAIL 1 EXISTING SERVICES TO BE / DIVERTED TEMPORARILY EXISTING ABUTMENT EXISTING ABUTMENT 52.22 52.27 **ELEVATION** SCALE: 1:50 **EXPECTED FOUNDATION** GEOMETRY AND LEVEL TO BE PROVIDED ON RECEIPT OF GEOTECHNICAL

PLAN SCALE: 1:50

Client V01 April 2022 PLANNING ISSUE

REV. DATE DESCRIPTION

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All devaloriance are in meritare and relate to OSI Geod Model (ISSMOZI) State Ineed as destroyed by visiting Project Control.

All Co-ordinates are in Irish Transverse Mercator Grid (ITM) as defined by OSI active GPS station Tallaght College (TLLG). EAC ACJ CCH
PRODUCED BY REVIEWED BY APPROVED BY Consultant

Project Ireland 2040









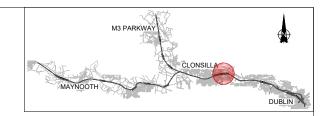
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	Drawing Title	
		STRUCTURE DESIGN
		OBG9. BRIDGE DECK HEAVY LIFTING
		FINAL STATE DETAIL
		I INAL STATE DETAIL

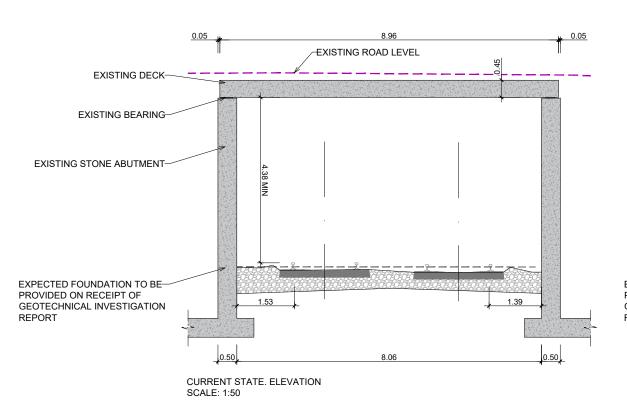
Drawing Number | Project | Originator | Discipline | Location | Type | Role | Number | Phase 1:1000 @ A1 1:2000 @ A3 MAY MDC STR RS08 DR C 0002 D Status: F1-Approved & accepted Rev: V01 Sheet: 3 of 5 April 2022 INDICATED

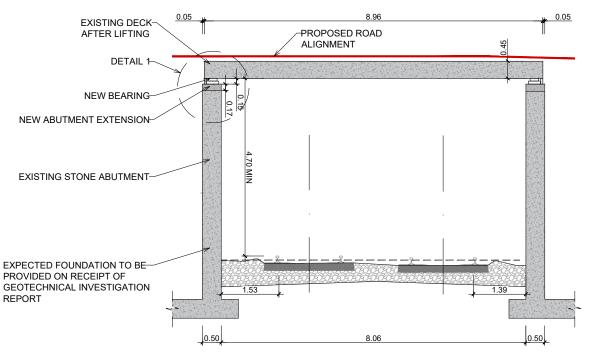
INVESTIGATION REPORT

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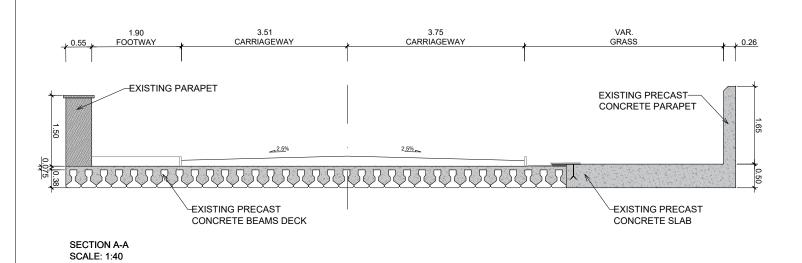


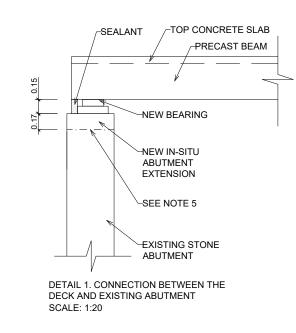




FINAL STATE. ELEVATION

SCALE: 1:50





- NOTES (TOP DOWN):

 1) STRUCTURAL CONCRETE TOPPING
 2) PRECAST CONCRETE BEAM
 3) NEW ELASTOMERIC BEARING (DESIGN DEPENDENT)
 4) EXTENDED ABUTMENT WALL HEAD
 5) FACE OF EXISTING ABUTMENT WORK:
 PLACE LEVELLING LAYER AND STEEL
 BEAM WITH ANCHOR BOLTS TO BE CAST
 INTO THE NEW ABUTMENT EXTENSION INTO THE NEW ABUTMENT EXTENSION
- 6) EXISTING ABUTMENT

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Survey No. 0039720 (OSI Aerial Data or OSI Lidar Data) & Survey No. 2020/OSI_NMA_180 (OSi Vector Data).										
Alle	All elevations are in metres and relate to OSI Geold Model (OSGM02) Malin Head as defined by existing Project Control.									
All C	Co-ordinates are in Ir	ish Transverse Mercator Grid (ITM) as defined by OSi active GPS station Tallaght College (TLLG).								









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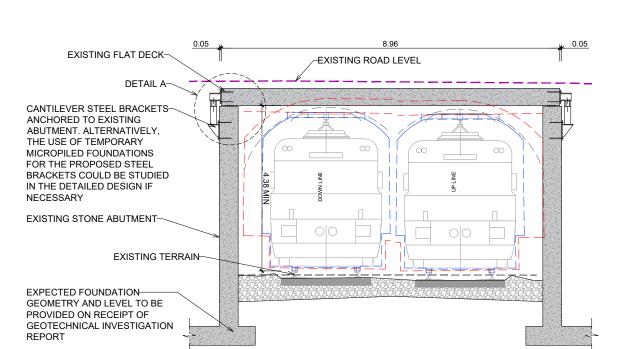
STRUCTURE DESIGN OBG9. BRIDGE DECK HEAVY LIFTING STRUCTURAL DESIGN DETAIL

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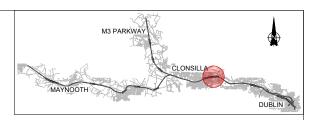


TEMPORARY SUPPORTING SYSTEM WITH CANTILEVER STEEL BRACKETS. DECK JACKING SUPPORT STRUCTURE SCALE: 1:50



EXAMPLE OF JACK OF MAX. 150KN (SOURCES: LARZEP OFFICIAL WEBSITE)

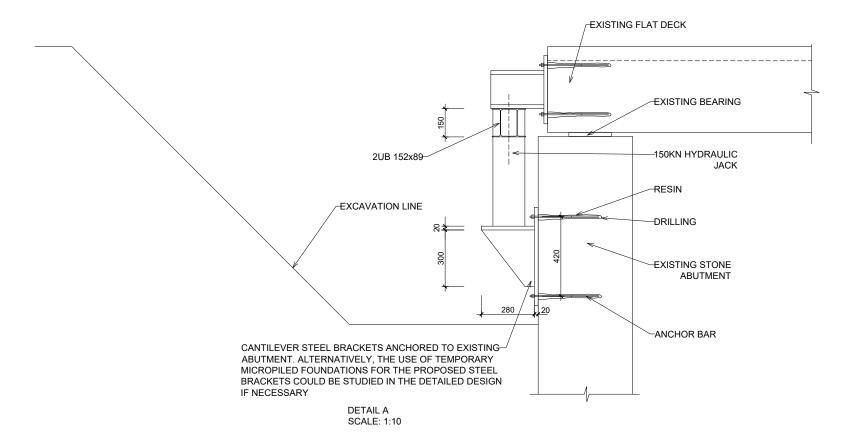
DIMENSIONS (MM)								
MODEL (LARZEP)	SL01643							
CAPACITY (kN)	150							
STROKE (mm)	435							
CLOSED HEIGHT (mm)	345							
EXTENDED HEIGHT (mm)	780							
DIAMETER (mm)	170							
WEIGHT (Kg)	41							



NOTE:

1. WEIGHTS
SELF-WEIGHT OF DECK & PARAPETS APPROX. 1550KN
DEAD LOAD OF PAVEMENT APPROX. 220KN
TOTAL WEIGHT OF DECK, PARAPETS & PAVEMENT APPROX. 1770KN
(WEIGHTS STATED ARE ESTIMATED VALUE ACCORDING TO EXISTING DRAWINGS & WILL BE CONFIRMED AT DETAILED DESIGN STAGE)

2. JACKS WILL BE INSERTED UNDER THE DECK AROUND EVERY 2M, WHICH IS 6 JACKS ON EACH ABUTMENT AND A TOTAL OF 12 JACKS. EACH JACK WILL CARRY AROUND 148 kN.



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Survey No. 089729(0S) Area Batter of Contract Survey No. 189729(0S) Anna, 189 (OS) Vector Date).

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