

ELECTRIFIED DOUBLE TRACK PROJECT IPOH TO PADANG BESAR

LAND VIADUCT

LENGTH : 28.4 KM
NO. OF MODULES : 270
MODULE LENGTH : 105m
SPAN LENGTH : 15m
APPROX. NO. OF PILES : 12000
PILE TYPE : 600mm ϕ
SPUN PILES

RAISED VIADUCT

LENGTH : 300m
SPAN LENGTH : 15m TO 44m
PORTAL STRUCTURE : 30m LONG

BUKIT
MERTA JAM

SIMPANG
AMPAT

SG. JAWI

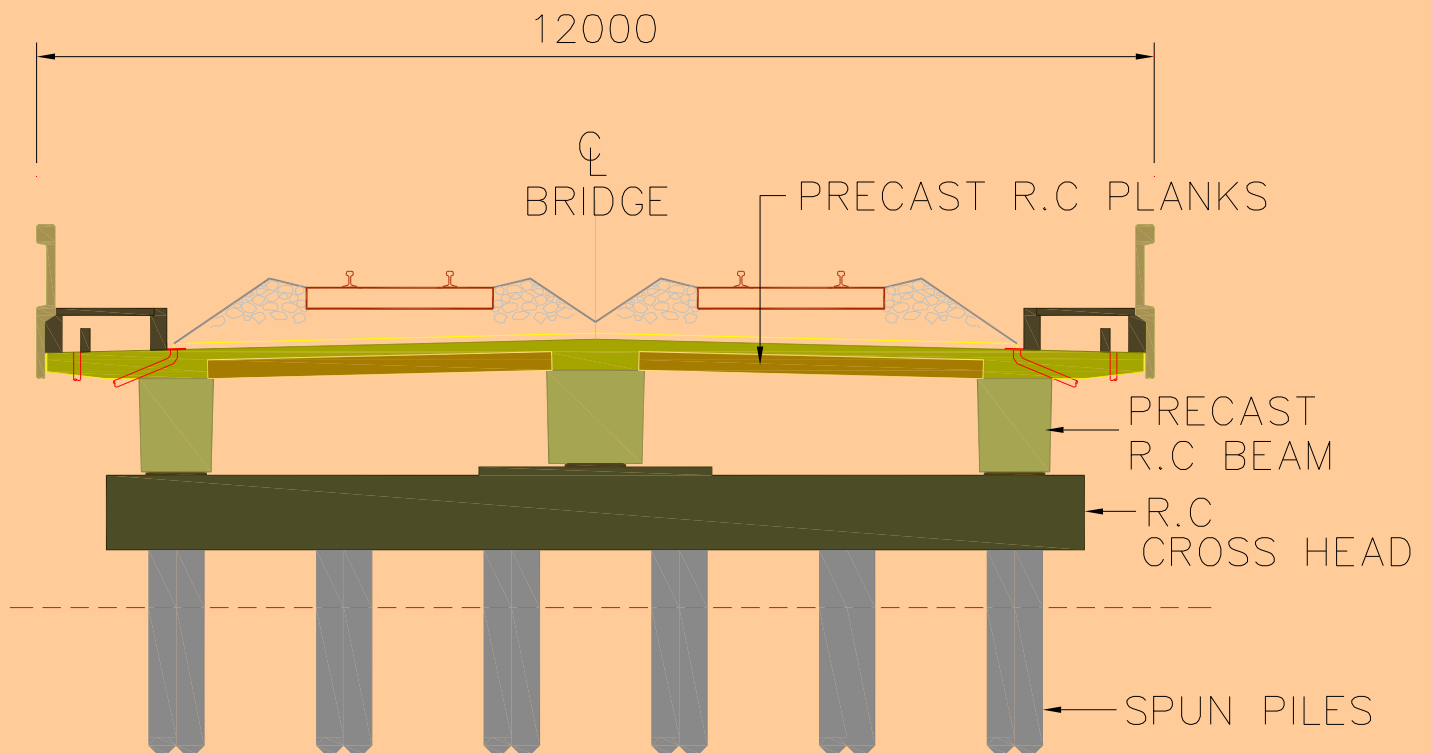
NIBONG
TEBAL

PARIT
BUNTAR

RAISED VIADUCT

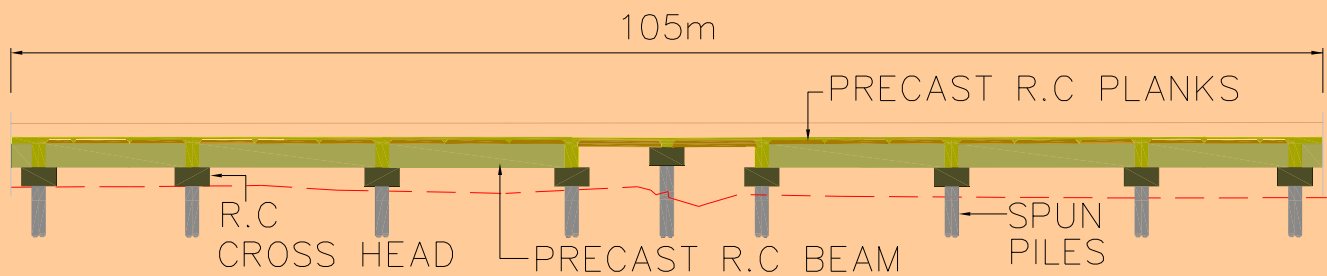
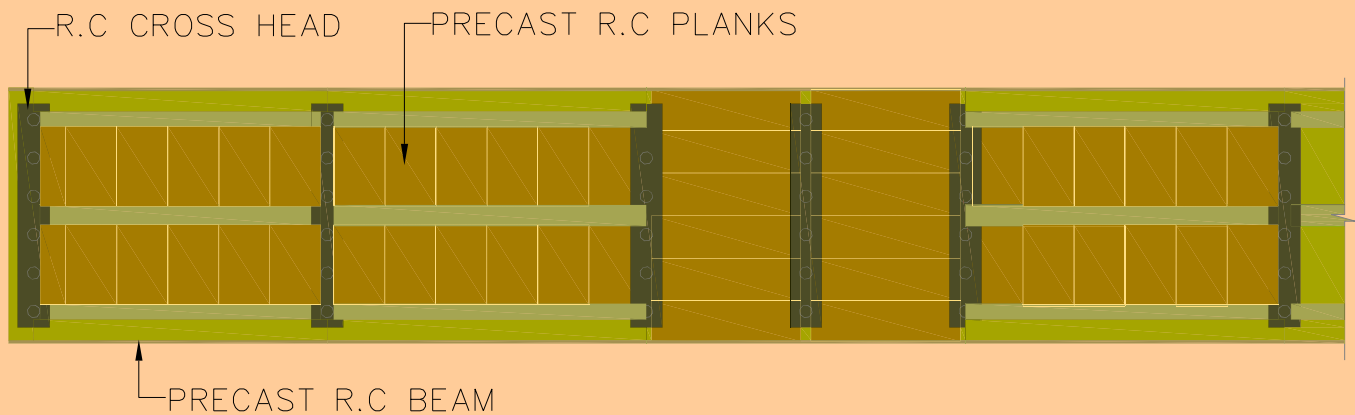
BAGAN SERAI

ELECTRIFIED DOUBLE TRACK PROJECT IPOH TO PADANG BESAR LAND VIADUCT



**TYPICAL SECTION OF
LAND VIADUCT STRUCTURE**

ELECTRIFIED DOUBLE TRACK PROJECT IPOH TO PADANG BESAR LAND VIADUCT



**TYPICAL PLAN & ELEVATION OF
LAND VIADUCT STRUCTURE**

**ELECTRIFIED DOUBLE TRACK
PROJECT
IPOH TO PADANG BESAR
LAND VIADUCT**



**CONSTRUCTION OF FOUNDATION
WORKS & CROSS HEAD STRUCTURES**

**ELECTRIFIED DOUBLE TRACK
PROJECT
IPOH TO PADANG BESAR
LAND VIADUCT**



LAUNCHING OF PRECAST RC BEAMS

**ELECTRIFIED DOUBLE TRACK
PROJECT
IPOH TO PADANG BESAR
LAND VIADUCT**



INSTALLATION OF PRECAST PLANKS

**ELECTRIFIED DOUBLE TRACK
PROJECT
IPOH TO PADANG BESAR
LAND VIADUCT**



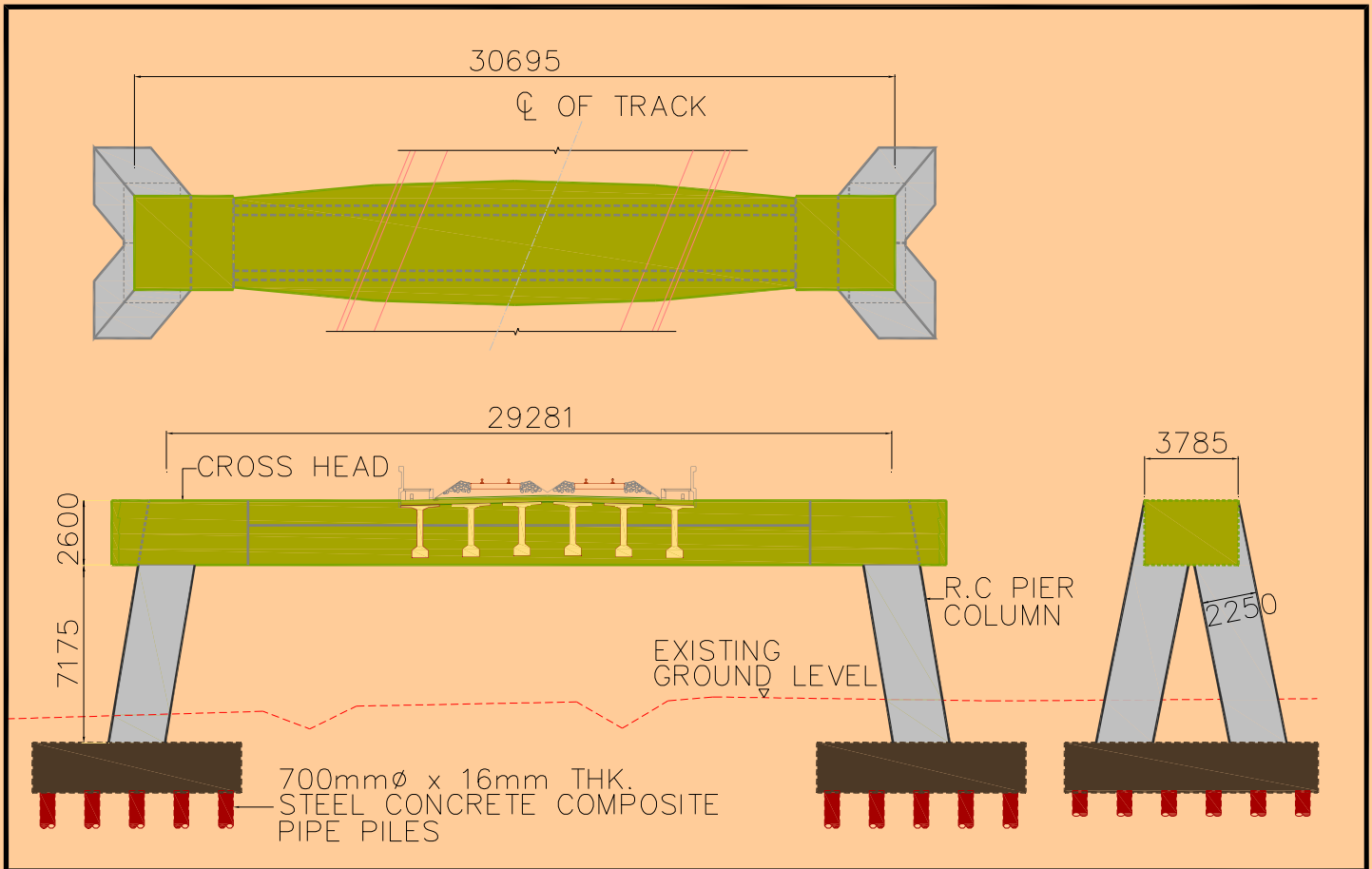
**CONSTRUCTION OF CAST-IN-SITU
DECK SLAB**

ELECTRIFIED DOUBLE TRACK PROJECT IPOH TO PADANG BESAR



**RAISED VIADUCT
PLAN OF PORTAL STRUCTURE**

ELECTRIFIED DOUBLE TRACK PROJECT IPOH TO PADANG BESAR

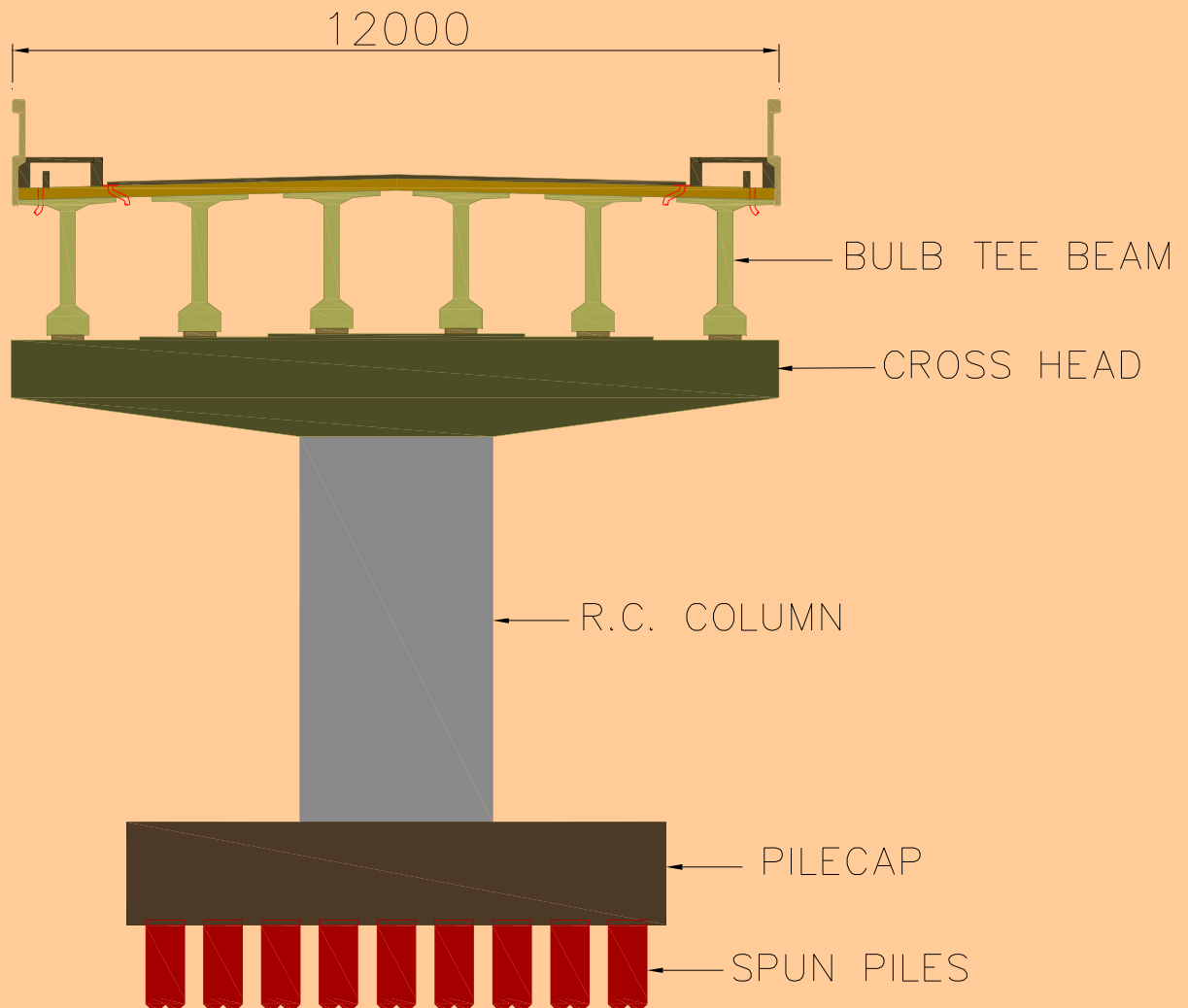


SPECIAL FEATURES OF PORTAL STRUCTURE

PORTAL STRUCTURE	: POST TENSIONED CROSS HEAD SUPPORTED ON SPLAYED COLUMNS
FORM OF CONSTRUCTION	: BULB TEE BEAMS FRAMED INTO PORTAL CROSS HEAD
FOUNDATION	: 700mm ϕ CONCRETE COMPOSITE PIPE PILES

**RAISED VIADUCT
PORTAL STRUCTURE**

ELECTRIFIED DOUBLE TRACK PROJECT IPOH TO PADANG BESAR



TYPICAL FEATURES OF RAISED VIADUCT

TOTAL LENGTH	: 300m
SPAN LENGTHS	: 15m, 30m & 44m
FORM OF CONSTRUCTION	: BULB TEE BEAMS SUPORTED ON RC CROSS HEADS
FOUNDATION	: 600mm ϕ SPUN PILES

**RAISED VIADUCT
TYPICAL BRIDGE SECTION**

ELECTRIFIED DOUBLE TRACK PROJECT IPOH TO PADANG BESAR LAND VIADUCT

