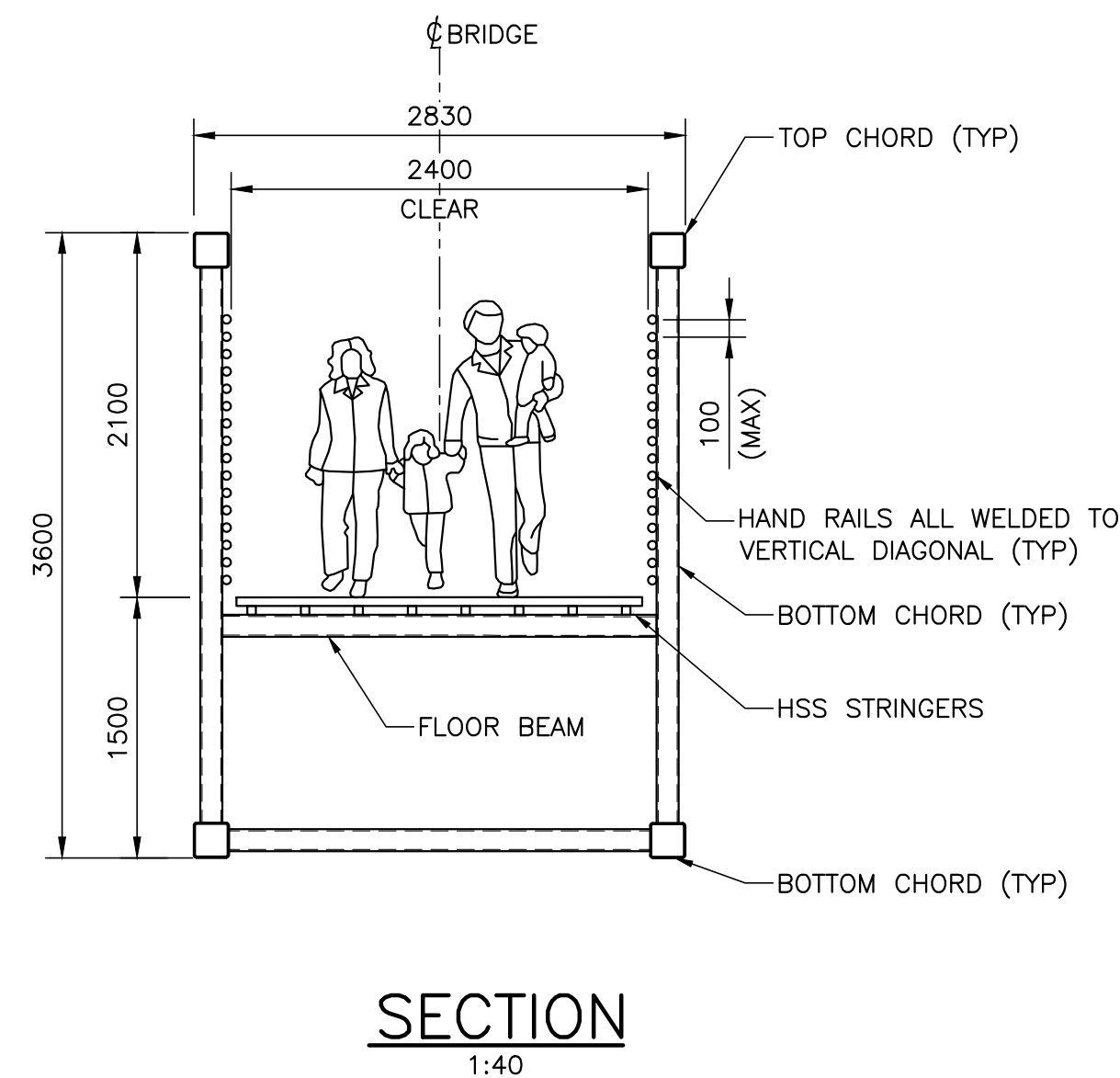
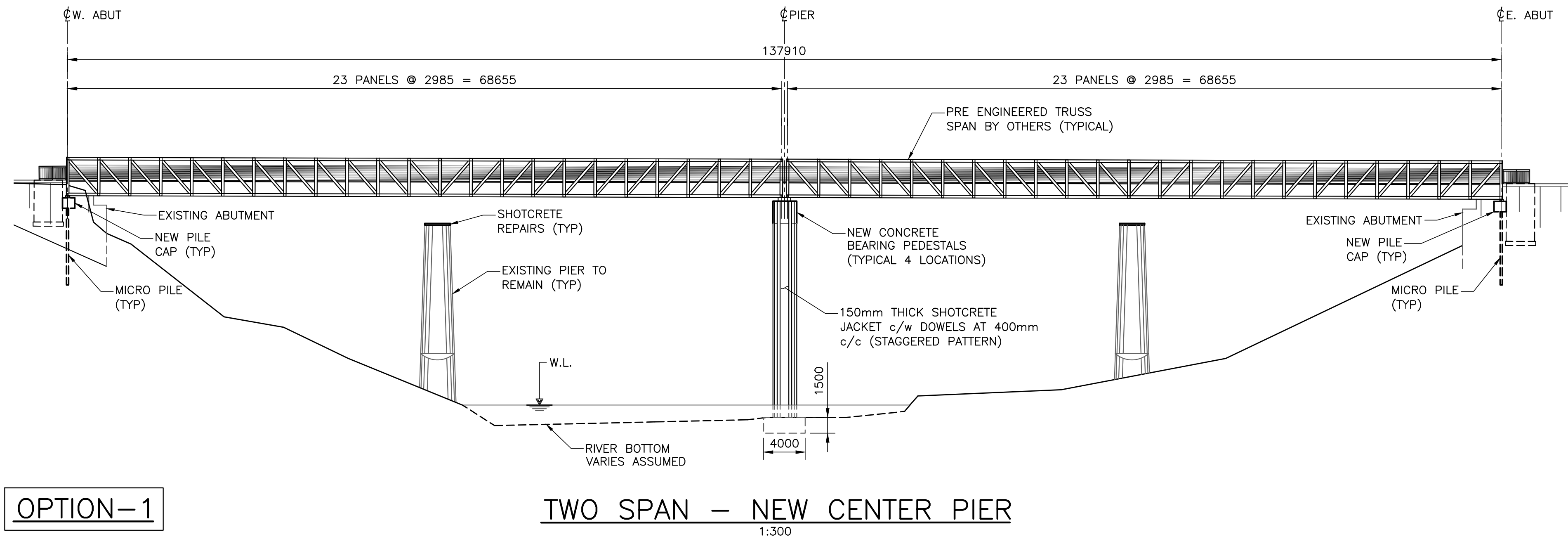


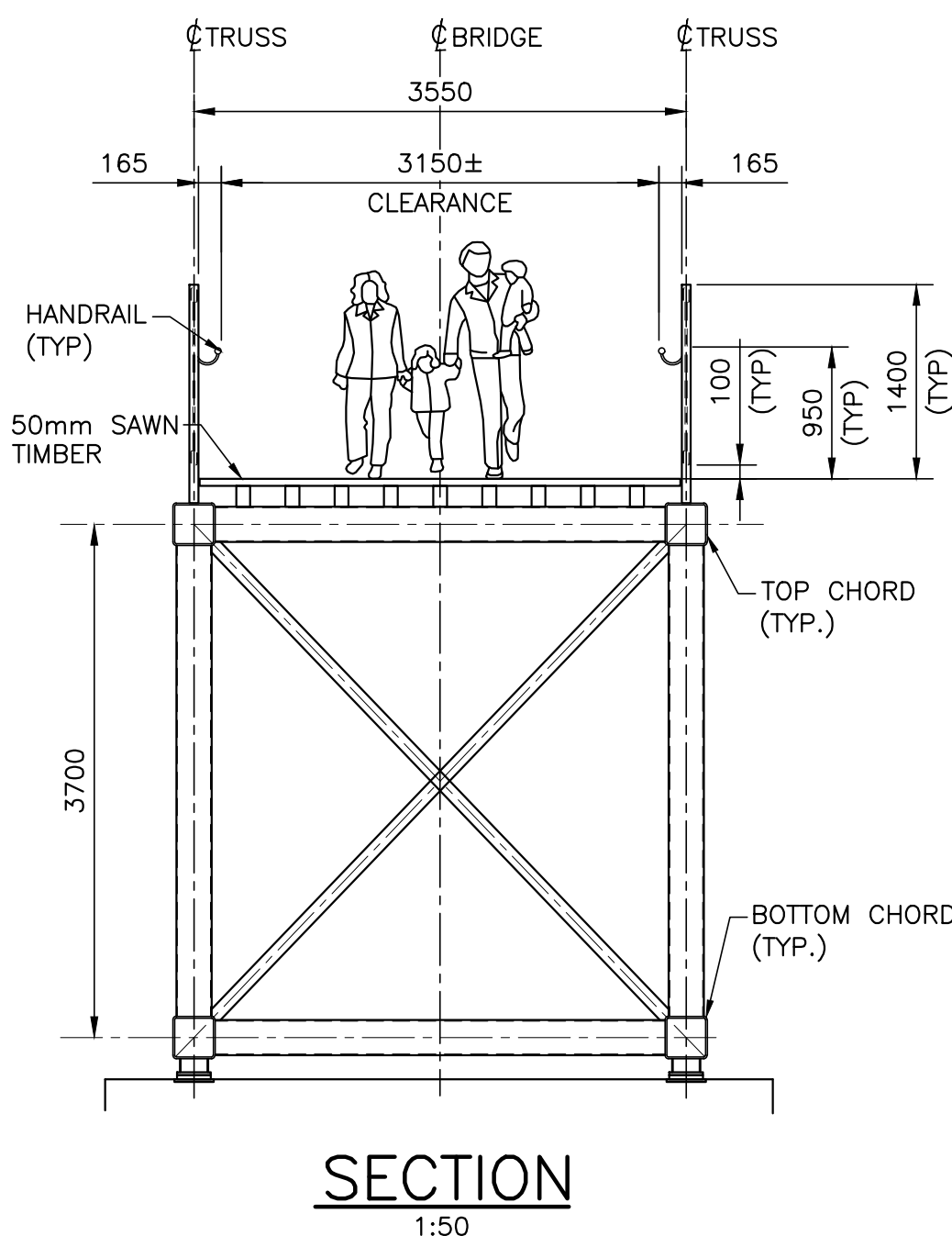
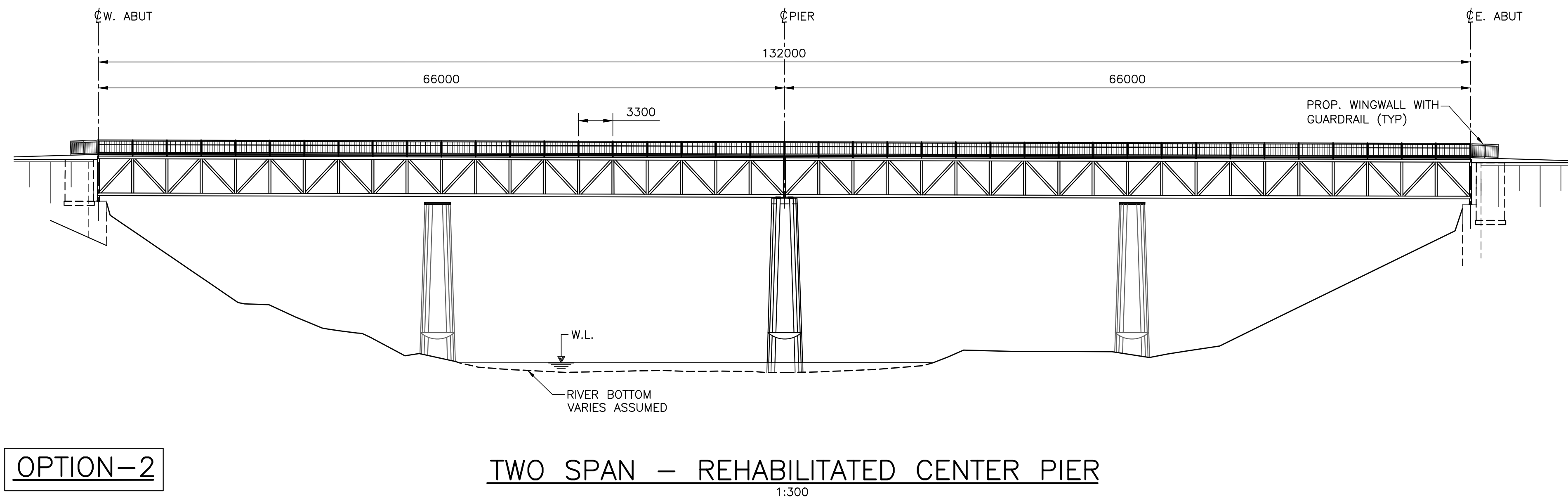


ADVANTAGES:

1. REDUCE WEIGHT OF SUPERSTRUCTURE.
 - SHORTER SPAN
 - LIGHTER STRUCTURE
 - CONTROLLED DESIGN
2. REDUCE COST.
 - SIMPLE SPAN
3. MAINTAINING HERITAGE
 - KEEP ONE CENTER PIER
4. EASE IN CONSTRUCTION
 - INSTALLATION IS LESS COMPLICATED
 - OTHER OPTION OF LAUNCHING CAN BE CONSIDERED
5. POSSIBILITY OF OTHER BRIDGE TYPE
 - PART THROUGH TRUSS
 - THROUGH TRUSS
 - DECK TRUSS

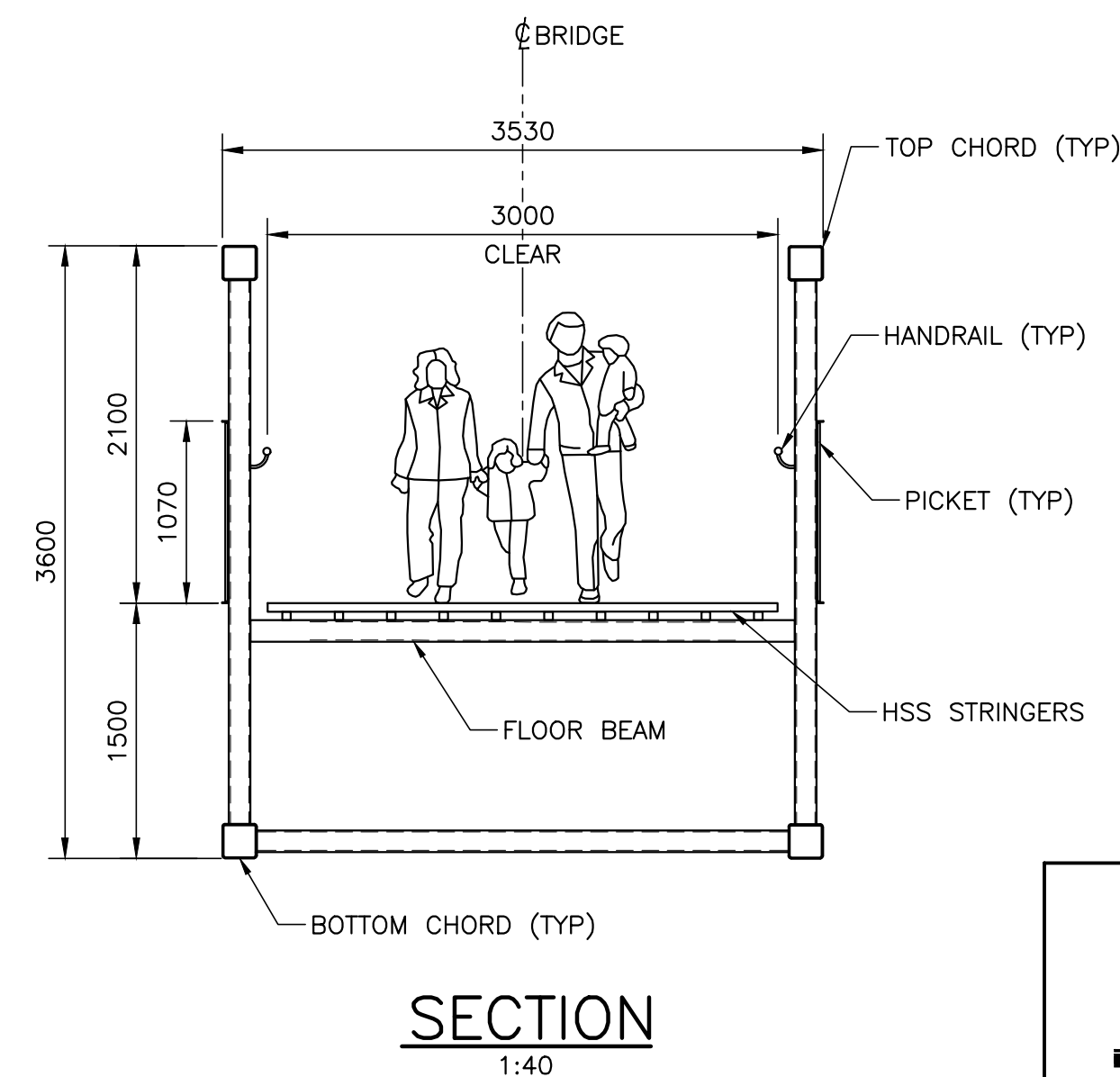
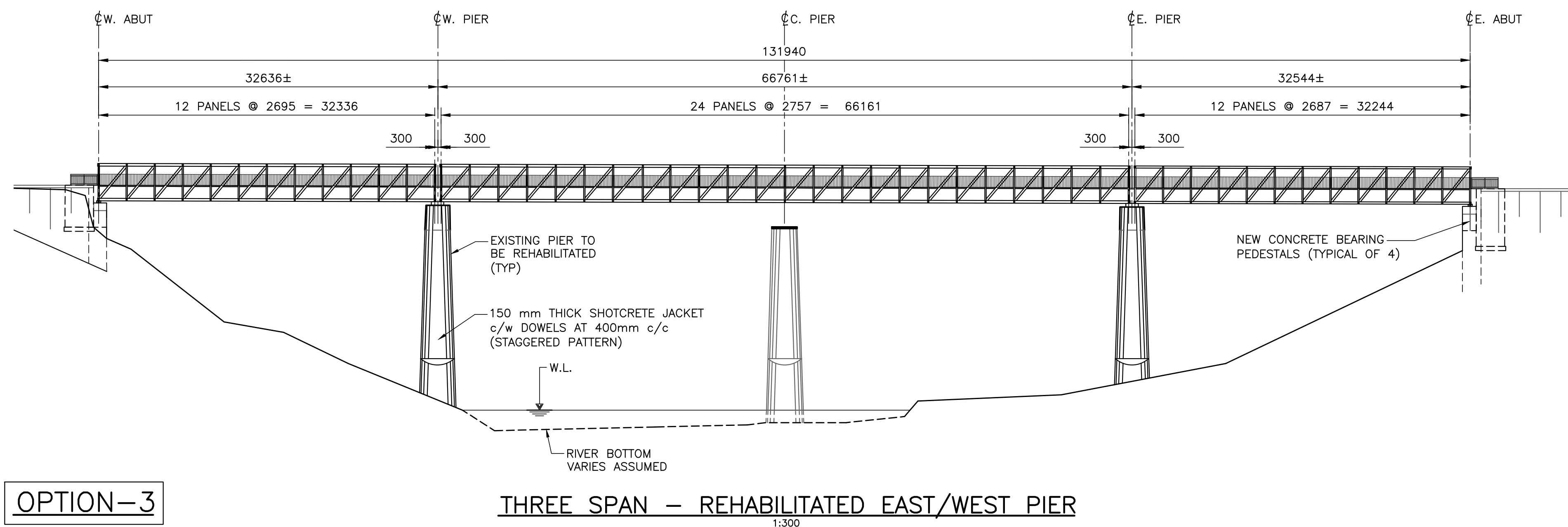
DISADVANTAGES:

1. RISK OF ENVIRONMENT IMPACT.
 - CONSTRUCTION OF NEW PIER



ADVANTAGES:

1. REDUCE WEIGHT OF SUPERSTRUCTURE.
 - SHORTER SPAN
 - LIGHTER STRUCTURE
 - CONTROLLED DESIGN
2. MAINTAINING HERITAGE
 - KEEP CENTER PIER SAME AS EXISTING
 - MIN. REHABILITATION REQUIRED
3. EASE IN CONSTRUCTION
 - INSTALLATION IS LESS COMPLICATED
 - OTHER OPTION OF LAUNCHING CAN BE CONSIDERED
4. POSSIBILITY OF OTHER BRIDGE TYPE
 - PART THROUGH TRUSS
 - THROUGH TRUSS
 - DECK TRUSS
5. LESS ENVIRONMENT IMPACT
 - ONE PIER TO REHABILITATED
 - LESS IN-WATER DISTURBANCE



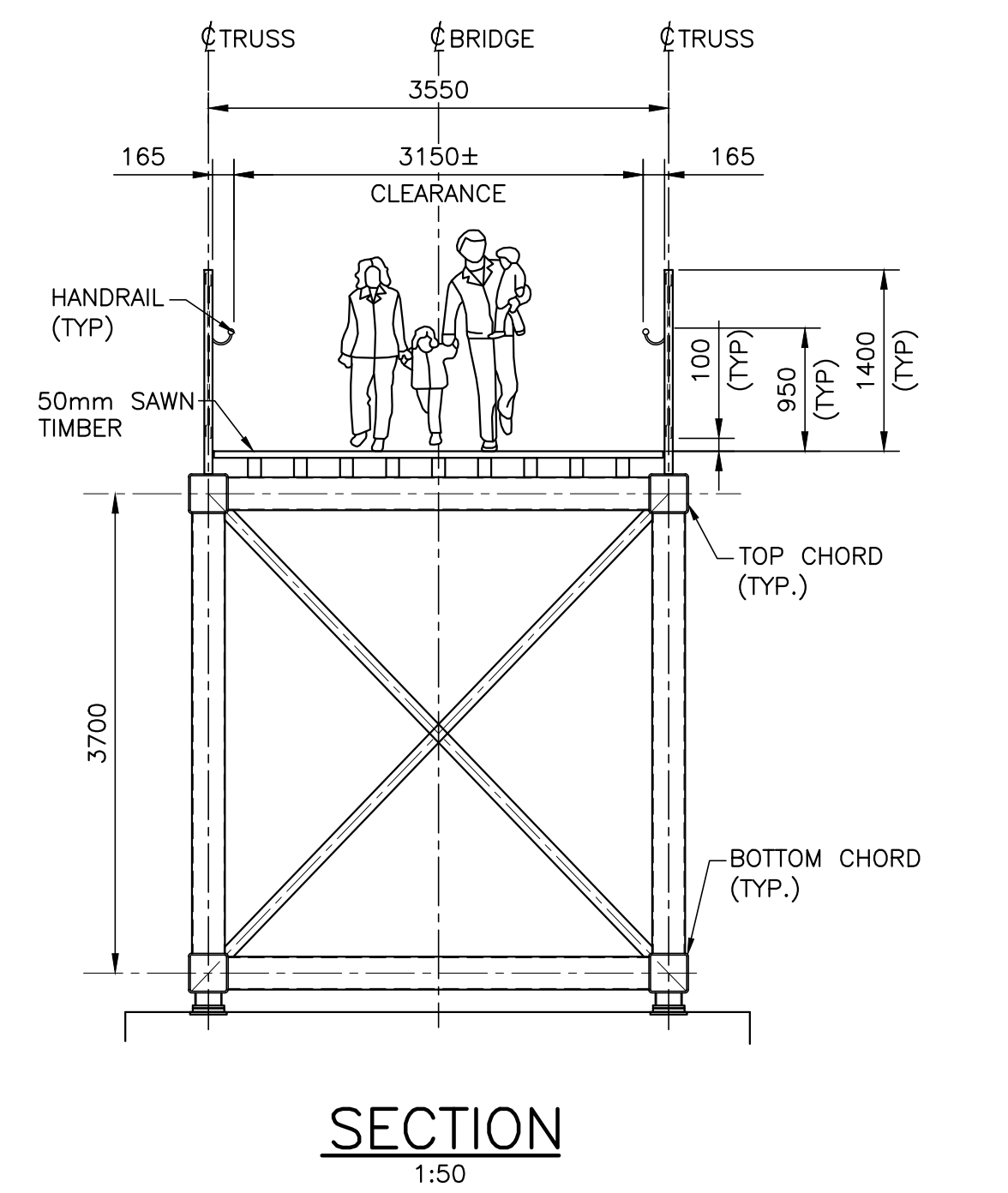
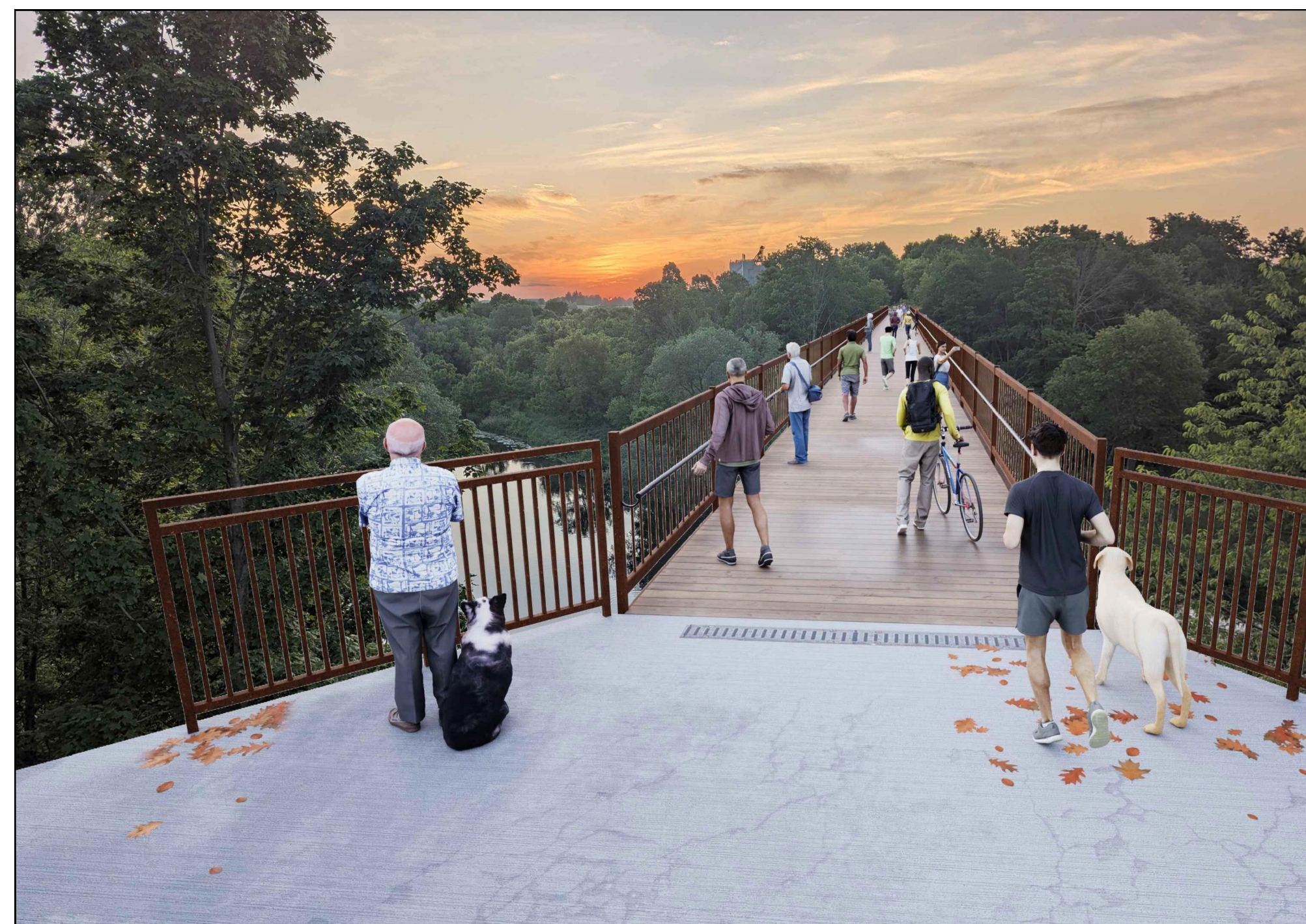
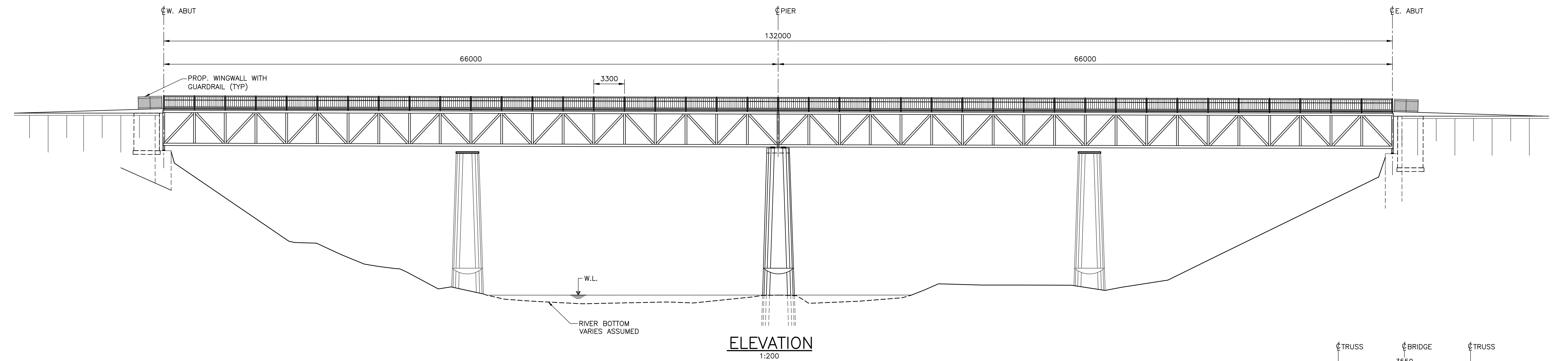
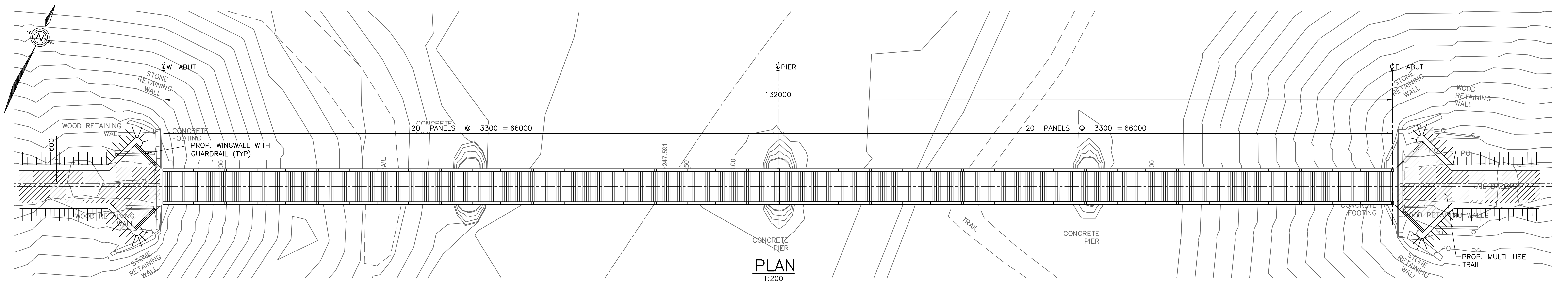
ADVANTAGES:

1. LIGHTER SUPER STRUCTURE.
2. LESS PRONE TO VIBRATION.
3. EFFECTIVE USE OF EXISTING SUPPORTS.
4. CONTROLLED DESIGN

DISADVANTAGES:

1. MORE ENVIRONMENT IMPACT.
2. DISSIMILAR BRIDGE ELEVATION.
3. REPAIR/REHAB TWO EXISTING PIER – COST
4. INCREASE COST OF MAINTENANCE IN FUTURE.
5. ERECTION/INSTALLATION COST FOR THREE SPAN REPAIR ACCESS FROM BOTH SIDES

CAD FILE LOCATION AND NAME: X:\Projects\24-243 Region of Waterloo - Conestoga River Ped Bridge EA and detailed design\DDA CAD files\24-243-01GA_FOR REPORT.dwg
MODIFIED: 10/14/2025 1:21:33 PM BY: NTR/VEDI
DATE PLOTTED: 10/14/2025 1:26:56 PM BY: NARMI TR/VEDI



PREFERRED OPTION



GUELPH TO GODERICH
RAIL TRAIL BRIDGE
CROSSING
TWO SPAN-REHABILITATED
CENTER PIER