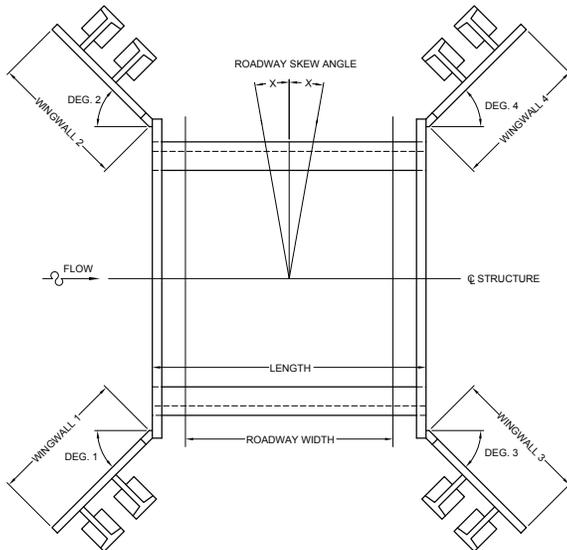
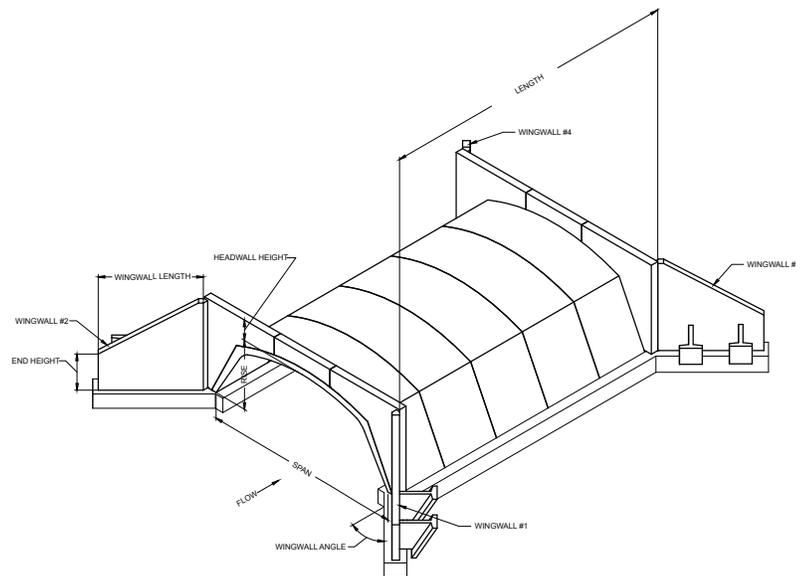


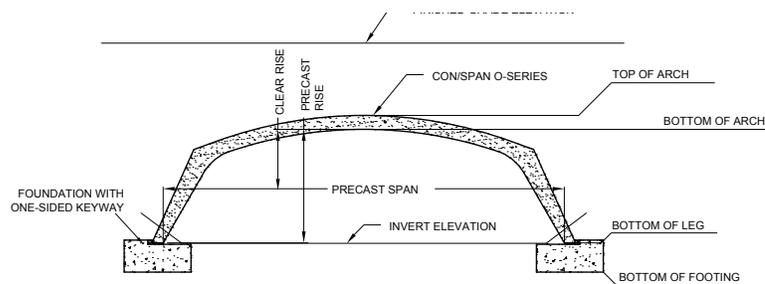
O-Series® Precast Details



BRIDGE PLAN



BRIDGE ISOMETRIC



BRIDGE SECTION

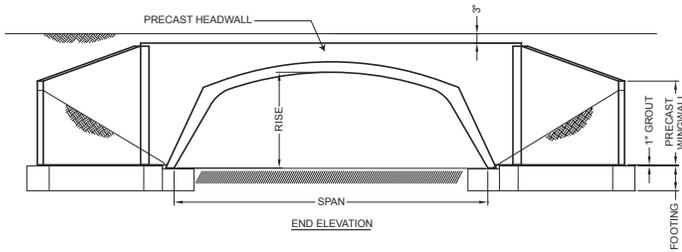
BRIDGE SECTION

DESIGN SPECIFICATIONS

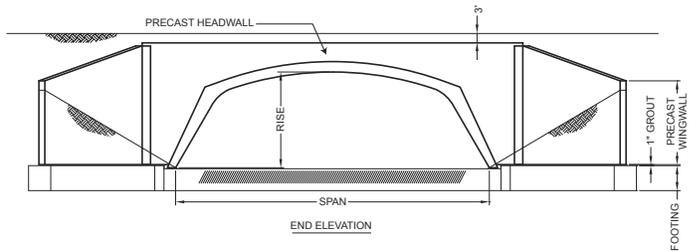
AASHTO:
Standard Specifications for Highway Bridges - Section 16.8
LRFD Bridge Design Specifications - Section 12.14

MANUFACTURING SPECIFICATIONS

ASTM C1504

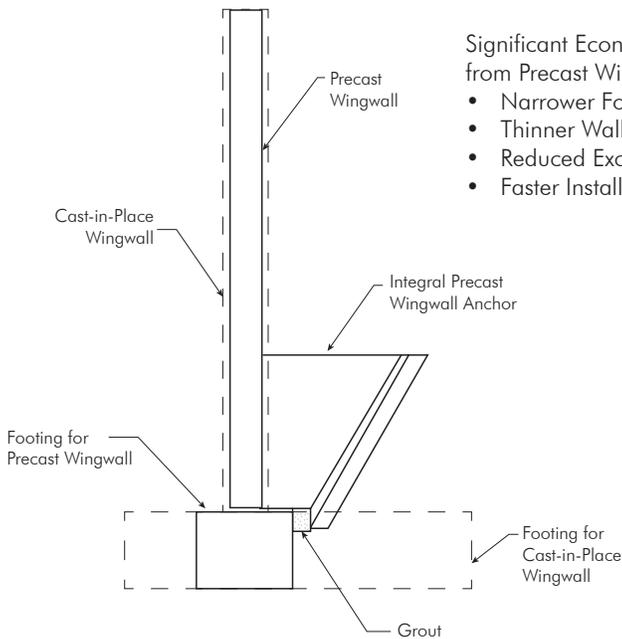


STRIP FOOTING



BASE SLAB

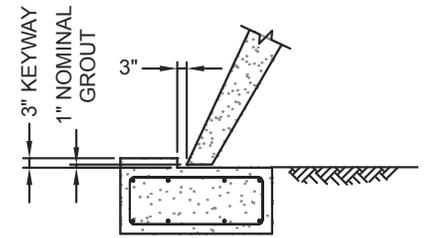
WINGWALL DETAIL



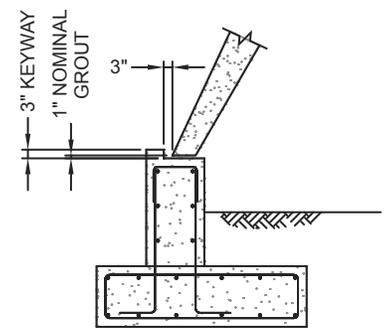
Significant Economic Advantages are gained from Precast Wingwalls through:

- Narrower Footings
- Thinner Walls
- Reduced Excavation
- Faster Installation

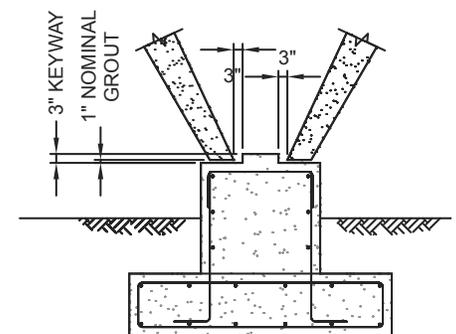
FOOTING DETAILS



STRIP FOOTING

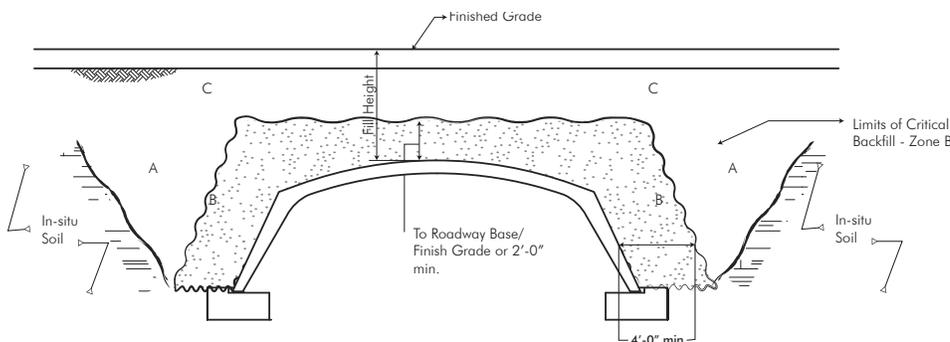


PEDESTAL WALL FOOTING



MULTI CELL PIER FOOTING

O-SERIES BACKFILL REQUIREMENTS



SPAN	FILL HEIGHT	ACCEPTABLE MATERIAL INSIDE ZONE B
≤ 24'-0"	≥ 12'-0"	A1, A3
≤ 24'-0"	< 12'-0"	A1, A2, A3, A4
> 24'-0"	ALL	A1, A3

1. In-situ material must be sufficiently stable to allow support of the precast units
2. Zone A: Embankment or overfill material shall be properly graded and compacted, per project specifications
3. Zone B: Structural backfill material per CON/SPAN O-Series specifications. (Generally, a well-graded angular sand or gravel placed in 8" lifts and compacted to 95% of the maximum dry density, per AASHTO T-99 specification)
4. Zone C: Roadway base and surface materials, per project specifications.