

PROJECT / SOUTH MAPLE STREET BRIDGE



The precast concrete footings were set and aligned with plywood templates to ensure fit-up of the walls over the dowel bars.
Photo: Arborio Corporation.



The wingwalls were 22 ft tall and tapered in thickness from 3 ft 10 in. to 1 ft 6 in. Photo: Arborio Corporation.



Precast abutment and wingwalls were placed and braced. Vertical form boards were clamped over the joints in two locations to grout the shear keys full. Next, the bridge seat beam will be placed on the abutment walls. Photo: Arborio Corporation.



The top edges of the wingwalls had provisions to mount the rail posts and attach the cast-in-place concrete end block. Photo: Hoyle, Tanner & Associates Inc.





The final adjacent box beam was set on the precast concrete beam seat after which the cheek walls were set. Epoxy-coated reinforcement was provided in the tops of the box beams to secure the curbs and sidewalks. Photo: Arborio Corporation.



The handsome new South Maple Street Bridge features an ashlar stone texture cast on the wingwalls. Photo: Hoyle, Tanner & Associates Inc.