

The barrel type of arch was chosen in preference to the beam and slab construction, which has previously been

Half Longitudinal Section of River Arch—This Design  
Has Since Been Modified to Five Spandrel Arches  
Instead of Seven

generally used for the floor system of open spandrel arches. The barrel system was found economical on a count of the present price of steel and labor, although requiring more concrete, as steel and labor are items which have risen in cost to a greater extent than have the constituent materials of concrete. About 350 cu. yds. of cinder fill will be used over the spandrel arches, cinder being used instead of earth or gravel in order to save

Since the approach spans are alternated, small and large on account of the track layout in the yard, the bal-

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weight. The only beam and slab construction in the bridge will be in connection with stairs leading to a baseball field on the west side of the river and for the sidewalk and curbs, underneath which space for public services is provided.