



Boise State University Boise, Idaho

The University's Master Plan identified a need for student, faculty, and visitor parking that would eventually include four large garages. To insure a consistency of appearance and function, a local architectural firm was selected to design a model structure that would blend well with other campus buildings and be cost effective. Sites were identified that would allow construction of a 600-space deck, then when needs and finances would allow, a mirror image parking structure would be built adjacent to this first-phase facility. The two facilities would then complete a 1,200-space facility as shown in the University's Master Plan.

Our charge was to maximize parking spaces and minimize square footage to give the university the most bang for their buck. The final design was a 3-bay single helix, two-way traffic flow and end-bay parking. Security features include emergency phones, bright lighting, and light-toned interior structure. Glass-backed stair/elevator cores, screens at the lower level, and overhead coiling doors at entry/exits add to passive security. All elevator lobbies have Pay-on-foot stations. Post-tensioned beams and slabs were used with 2-foot high upturned beams to resist bumper loads, and steel handrails provide pedestrian safety. This resulted in about 60% open area per level, exceeding the 40% code requirement for an open parking garage.



Photos by Paul Mack

Footprint	Spaces	SF/Space	Superstructure		
184' x 272'	652	305	Post-Tensioned	4-Levels	3-Bays

"CSHQA won a design competition and was chosen by Boise State University to design a parking structure that would be the model for four future garages. We realized we needed a state-of-the-art parking consultant, and we selected Carl Walker, Inc. because of the effort Paul Mack put into the project by coming to Boise for concept designs, Owner meetings, and cost estimating. His planning acumen and broad parking consulting knowledge helped the project come in well under budget."

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Founder Paul Mack, P.E. had significant involvement in phases of this project while at another firm