

Facility: 6th & Cherry Parking Garage

Address: 555 E. Locust Street Date of Survey: 02/02/10 & 02/04/10



The 6th & Cherry parking structure was constructed in 1997. The structure has four parking levels, all of which are accessible via elevators at the SE and NE corners of the structure. This parking structure has a total of 379 parking spaces and therefore, per ADAAG 4.1.2 (5) a. – d., eight total accessible parking spaces are required.

1 ACCESS TO THE SITE AND/OR FACILITY

1.1 Exterior Accessible Route (sidewalks, paths, etc.)

- Replace section of concrete landing slab just outside of the 6th & Cherry lobby entrance doors due to settlement creating a 1" change in level at the door threshold (see photo 1 next page). **Estimated Cost: \$457.00**



Photo 1

1.2 Parking

Note: This parking structure has slab beams that reduce vertical clearance to as low as 85" which is 13" shy of ADAAG 4.6.5 minimum vertical clearance requirement of 98" for van accessible parking spaces; this occurs at all levels except for the ground level. Therefore, the van accessible parking will have to remain at the ground level even though it is being recommended that the other ADA parking spaces be relocated to the 2nd level (6th & Cherry) as the lobby entry landing and sidewalk just outside of the doors have slopes that meet ADAAG requirements (most are below 2%).

- Existing ADA parking spaces located on ground level along the east wall generally have slopes and cross-slopes that are close to the required 2% maximum slope in any direction, but most areas have at least minor issues with slope or cross-slopes up to 3.8%. The bigger issue is that the path to the interior lobby door from the parking spaces has slopes and cross-slopes up to 7.7% and the sidewalk at the exterior lobby doors slopes from the doors all the way down to the corner of 6th & Locust Street from 7% - 8.2%. Because the slopes at the exterior lobby doors at 6th & Cherry Street are mostly 2% or less, that entry/exit to the garage is considered to meet ADA requirements for door landing and access path and therefore, it is recommended that six standard ADA parking spaces be moved from the ground level up to the 2nd level as shown in the plans included with this report. Because the vertical clearance is too low at level 2 for van accessible spaces, I recommend creating two van access parking spaces on the ground level in location shown in plans included with this report. These changes will require re-stripping of spaces in the old locations and in new locations as well as moving the existing parking signs as required. **Estimated Cost: \$1,888.00**

1.3 Curb Cuts & Curb Ramps

- No work at parking structure. Curb ramps at exterior sidewalks at street crossings are not included in this report and will be addressed by a separate right-of-way curb ramp study by others.

1.4 Exterior Ramps

- No work.

1.5 Exterior Stairs

- None exist.

2 SERVICES

2.1 Building Entrances (exterior doors)

- Because of the excessive slope at the exterior lobby doors located at the 6th & Locust pedestrian entrance, it is recommended that one of the doors be automated and infra-red no-touch sensors be used to control door operation so that it is more accessible to wheelchair users who do not have the ADA required level landing at the exterior area of the doors (creation of a level landing at the doors would affect the slopes of all the surrounding concrete sidewalk and appears to be infeasible at this location). **Estimated Cost: \$5,665.00**

2.2 Interior Accessible Route

- No work.

2.3 Interior Ramps

- None exist.

2.4 Interior Stairs

- No work.

2.5 Elevators

- Install accessible pull handle on two elevator car emergency phone compartments. **Estimated Cost: \$100.00**

2.6 Platform (wheelchair) Lifts

- None exist.

2.7 Doors (interior, excluding restroom doors addressed in 3.1 and non-public area doors)

- Remove pair of doors at 6th & Cherry interior lobby and at 6th & Locust interior lobby to allow for better wheelchair access as the slabs at those interior doors are not level as required for door entry areas per ADAAG.

Estimated Cost: \$200.00

2.8 Places of Assembly (auditoriums, meeting rooms, gymnasiums, etc.)

- None exist.

2.9 Seating and Tables

- None exist.

2.10 Restaurant (including dining areas, snack bars & public use kitchens)

- None exist.

2.11 NOT USED

2.12 Business and Mercantile

- Add braille/tactile instructions and button info at two parking payment machines.

Estimated Cost: \$150.00

2.13 Dressing and Fitting Rooms

- None exist.

2.14 NOT USED

2.15 NOT USED

2.16 Libraries

- None exist.

2.17 Storage

- No work.

3 ACCESS TO PUBLIC AMENITIES

3.1 Drinking Fountains

- None exist.

3.2 Restrooms

- None exist.

3.3 Signage

- No work.

3.4 Bathtub & Showers (including locker rooms and dressing rooms)

- None exist.

4 BARRIER REMOVAL - OTHER

4.1 Alarms

- None exist.

4.2 Public Telephones

- None exist.

4.3 Protruding Objects

- Install horizontal rail for proper cane detection (@ max. 27" a.f.f.) or a half-wall at the underside of stairs in each street level lobby (see photo 2 on next page).

Estimated Cost: \$1,155.00

4.4 Work Areas

- None exist.

4.5 Sinks, Other than Lavatories

- None exist.



Photo 2

5 COST ESTIMATE

5.1 Cost Estimate & Notes

- Total facility cost estimate for recommended ADA modifications: **\$9,615.00**

FACILITY SUMMARY		NAME: 6TH & CHERRY PARKING STRUCTURE
SECTION HEADING	COST	COMMENTS

1 Access to the Facility

- 1.1 Exterior Accessible Route
- 1.2 Parking
- 1.3 Curb Ramps
- 1.4 Exterior Ramps
- 1.5 Exterior Stairs

457.00
1,888.00
-
-
-

Replace portion of conc. slab @ entry doors
Relocate access. spaces to 6th & Cherry side

2 Services

- 2.1 Building Entrances
- 2.2 Interior Accessible Route
- 2.3 Interior Ramps
- 2.4 Interior Stairs
- 2.5 Elevators
- 2.6 Platform Lifts
- 2.7 Doors
- 2.8 Places of Assembly
- 2.9 Seating and Tables
- 2.10 Restaurant
- 2.11 NOT USED
- 2.12 Business and Mercantile
- 2.13 Dressing and Fitting Rooms
- 2.14 NOT USED
- 2.15 NOT USED
- 2.16 Libraries
- 2.17 Storage

5,665.00
-
-
-
100.00
-
200.00
-
-
-
-
150.00
-
-
-
-
-

Automate one entry door @ 6th + Locust Entry
Add accessible pull on emerg. phone x 2
Remove 4 interior vestibule doors
Add braille/tactile instructions @ 2 pay machines

3 Access to Public Amenities

- 3.1 Drinking Fountains
- 3.2 Toilet Rooms
- 3.3 Signage
- 3.4 Bathtubs and Showers

-
-
-
-

4 Barrier Removal - Other

- 4.1 Alarms
- 4.2 Public Telephones
- 4.3 Protruding Objects
- 4.4 Work Areas
- 4.5 Sinks, Other than Lavatories

-
-
1,155.00
-
-

Add rail or wall barrier @ underside of 2 stairs

Total Barrier Removal Cost

9,615.00

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NO.	DATE	REV/SN

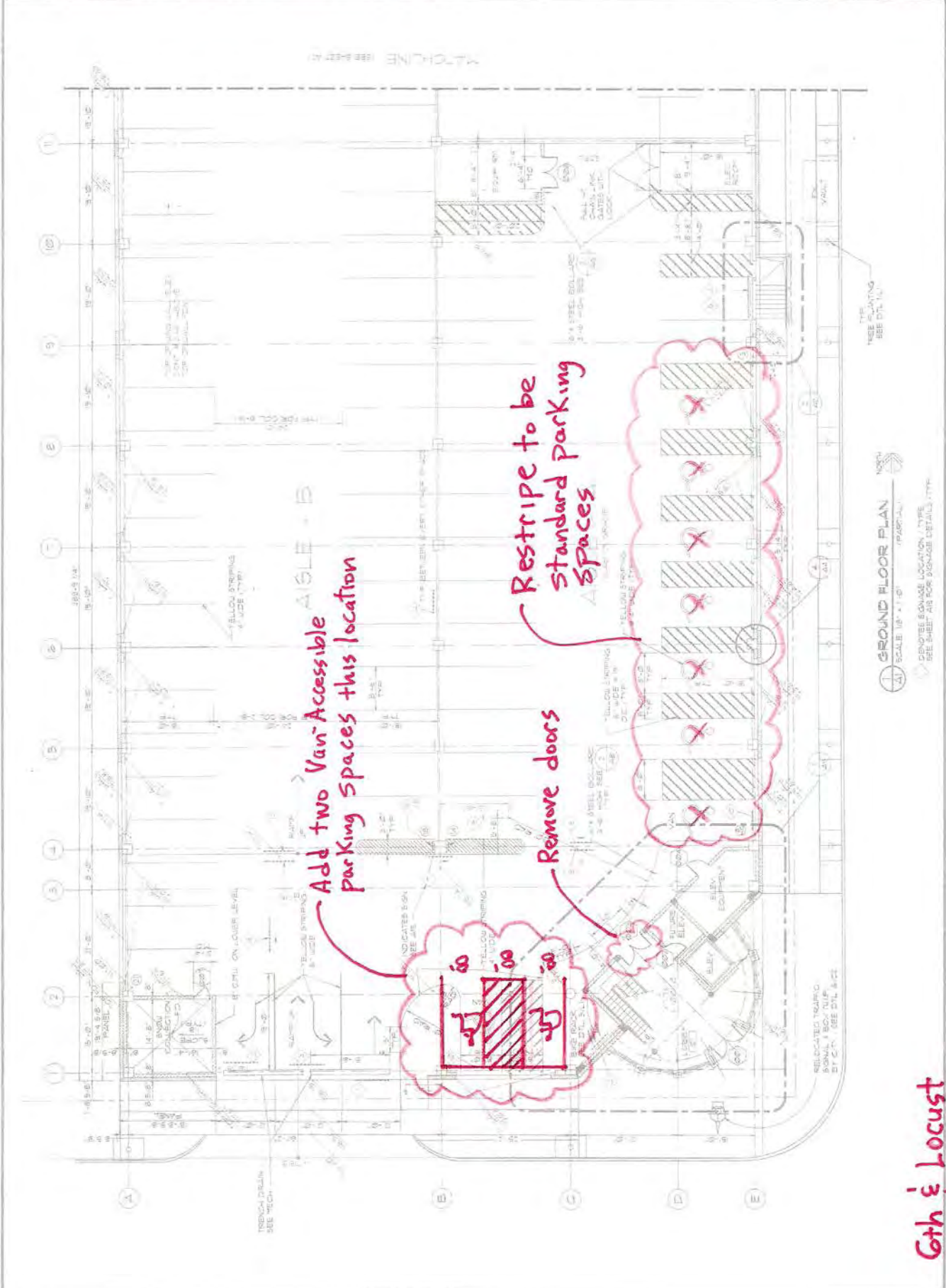


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CITY OF COLUMBIA
 6th & Cherry Parking Structure
 701 E. Broadway / Columbia, Missouri 65205
 GROUND FLOOR PLAN



DATE:	10/11/11
DRAWN:	PKC
CHECKED:	PLP
DATE:	10/11/11
SCALE:	1" = 10'-0"



6th & Locust

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