Campus Disabled Persons (DP) Parking and Access Plan

For
CSU Executive Deans Meeting
Stanislaus Campus
June 2007
Core Team:

- Michael Smith, Director – Office of Design & Construction
- Tom Grayson, Project Manager – Office of Design & Construction
- Paul Miller, Director – Disabled Student Services
- Joe Ferrer, Director – Parking and Transportation Services
- Kent Gordon, CAD Consultant – Office of Design & Construction
- Dalke and Sons – JOC Contractor
Executive Members

• Jay Bond – AVP Facility Management, Chief Building Official
• Bill Barrett – AVP Administration/Parking and Transportation
• Tom Kennedy – Chief Architect, CPDC
• Don Fenlason – Senior Architect, Division of the State Architect, San Diego Office
Project Objectives

- To Promote and Maximize Disability Access to the Campus
- To Speed and Simplify the Plan Check Process for Remodel Projects Through DSA A-Number Approval
- To Meet New Title 24 Requirements and ADA Compliance
  - Detectable Warning Truncated Domes
Project Objectives (Cont’d)

• Redefine Multiple Campus Parking Lots as One Singular Lot
• Develop and Maintain DP Parking Campus Map on Web and in Handouts
• Define, Document and Prioritize All Required Improvements and Costs to Meet Campus-wide Accessibility Standards
Ongoing Objectives

- Keep Campus Survey and Campus-wide Access Plan Current
- Follow Up Feedback From Campus Disability Community
- Integrate New Capital and Parking Projects into Overall Campus-wide Access Plan
- Respond to ADA & DSA Code Changes
- Promote Ongoing Funding Sources for Improvements and Maintenance
Foundations of the Plan

• Accurate Campus Site Information
  – Computer-based survey of surface features, buildings, parking lot striping, pedestrian walkways
  – Campus ongoing survey service contract

• Accurate Parking Space Counts
  – Yearly aerial photos for review and walkthrough audits.
Foundations of the Plan (cont’d)

• CAD Staffing to Build and Maintain Current Campus Computer Survey and Map
• Participation of Parking and Transportation Office to Fund and Maintain Accessible Parking Improvements
• Participation by Campus Disability Community
• Participation by the Office of Design & Construction and Physical Plant for project implementation
Plan Contents

- Summary of Campus Plan and Parking Space Count
- Construction Detail Drawings for All Components of the Accessible Path of Travel and Code Compliance
  - Parking Spaces
  - Curb Cuts
  - Signage
  - Pedestrian Walkways
  - Building Entries
- Overall Campus Plan
- Quadrant Maps for More Detail
Campus Aerial Photo
Disabled Parking & Access Plan

Parking Summary

<table>
<thead>
<tr>
<th>LOT</th>
<th>EXISTING SPACES</th>
<th>2001 CBC REQUIRED SPACES</th>
<th>ACTUAL ACCESSIBLE SPACES</th>
<th>INSTALLED</th>
</tr>
</thead>
<tbody>
<tr>
<td>T-1400</td>
<td>19</td>
<td>1 DP &amp; 1 VAN</td>
<td></td>
<td>1 VAN</td>
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<tr>
<td>Lot A</td>
<td>1757</td>
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<td>Lot A South</td>
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<td>4 DP &amp; 1 VAN</td>
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<td>1 VAN</td>
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<td>23 DP &amp; 6 VAN</td>
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<td>Lot F</td>
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<td>0</td>
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<td>Lot I</td>
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<td></td>
<td>15 DP &amp; 4 VAN</td>
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<tr>
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<tr>
<td>South Campus</td>
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<td>4 DP &amp; 1 VAN</td>
<td></td>
<td>20 DP &amp; 5 VAN</td>
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<tr>
<td>Student Housing</td>
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<td>Titan House</td>
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<td>Misc. Small Lots</td>
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<td><strong>TOTALS</strong></td>
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<td><strong>164 DP &amp; 37 VAN</strong></td>
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<td><strong>164 DP &amp; 37 VAN</strong></td>
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</table>

DP = Disabled Person Space  VAN = Van Accessible Space
Campus Parking Snapshot

• Total Campus Parking Spaces = 10,873
• Total DP Parking Spaces = 201 (1.8%)
  – Total Van Accessible Spaces = 37 (0.3%)

Total DP Spaces = 238 (2.1%)
Disabled Parking & Access Plan

Detail Drawings

Diagonal Accessible Parking (Isolated Condition) - Plan View

Diagonal Accessible Parking (Isolated Condition) - Section View

Path of Travel
Detectable WARNINGS

An "isolated condition" exists where disabled persons move away from the campus core and pass across a detectable warning into an area exclusively used for vehicular access. Such a condition exists at three rows of parking spaces in Lot P. The detectable warnings which occur before entrance into such areas makes further placement of detectable warnings redundant.

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Disabled Parking & Access Plan
Detail Drawings

DISABLED PERSON
PATH OF TRAVEL
WITH LESS THAN
1:15 (8.33%) SLOPE

(WHERE SLOPE EXCEEDS
1:15, A CURB RAMP - PER
DETAIL B - SHALL BE PROVIDED)

34" DEEP, CONTINUOUS YELLOW DETECTABLE WARNING AREA PER 2001 CBC SEC. 1133B.8.5 SEE DETAIL 13

DETACHABLE WARNING TRUNCATED DOMES
SHALL CONTINUE ALONG FLUSH TRANSITION UNTIL A ELEVATION DIFFERENCE BETWEEN WALK AND ROADWAY EXCEEDS 4"

CURB
VEHICULAR DRIVE OR ROADWAY

TYPICAL 12" WIDE WHITE STRIPING WITH DIAGONAL LINES @ 36" O.C.

PATH OF TRAVEL BLENDED TRANSITION - PLAN VIEW
SCALE: 1/8" = 1'-0"

SECTION A-A

EDGE OF DETECTABLE WARNINGS SHALL BE PLACED NOT LESS THAN 4" AND NOT MORE THAN 8" FROM EDGE OF NEAREST CURB FACE

IN-LINE TRUNCATED DOMES - ENLARGED VIEWS
SCALE: 1/8" = 1'-0"

PATH OF TRAVEL BLENDED TRANSITION - SECTION VIEW
SCALE: 1/8" = 1'-0"

Disabled Parking & Access Plan
Detail Drawings

8 CURB RAMP - PLAN VIEW

9 CURB RAMP - SECTION VIEW

11 TOW-AWAY ENTRY WARNING SIGN - ELEVATION VIEW

Disabled Parking & Access Plan
Detail Drawings

Labeled Accessible Building Entries Feature:
1) A 6" square international symbol of accessibility placed 4" from the strike side of a single door, or 4" from the right side of a double door.
2) 90° minimum opening angle
3) 5 lbs. pressure maximum force needed to operate door
4) Door hardware set between 30" to 44" from the floor; lever hardware does not require pinching, grasping or twisting of the wrist
5) Minimum opening height of 6'-8"
6) Minimum opening width of 3'-0"
7) When automatic door closers are used, the closer is set so that there is a minimum of 30 seconds closing duration from a point where the door is at a position of 70° to a position of 3° from the latch.
8) A 5'-0" square landing extending 24" past strike side of door on the exterior, with 2% maximum slope; a 4'-0" square interior landing extending 18" past strike side.
9) Maximum 1/2" threshold with 1/4" maximum vertical rise and the remainder beveled at 1:2 (27%).
10) Compliant exterior entry signage located on the strike side of door. See detail 14.
Overall Campus Accessibility Plan
Quadrant Maps

Disabled Parking & Access Plan
## Approximate Project Costs

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<tr>
<th>Item</th>
<th>Cost</th>
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<td>DP Parking Space</td>
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<tr>
<td>Van Accessible Parking Space</td>
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<tr>
<td>Curb Ramp</td>
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<td>Flush Transition</td>
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<td>Way-finding Sign</td>
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### Project Menu Costs

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<th>Unit Cost</th>
<th>Total Cost</th>
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**Total Bid** $314,806.37
Campus Funding Priorities

Priority 1
Uniform DP Parking Signage

Disabled Parking & Access Plan
Project Progress

• DSA Approval DP Parking and Access Plan – A#04-103795 January 2006
  (Initial Project Begun March 2002)
• Compliant Accessible Parking Spaces Installed in New Building Project Areas:
  – Nutwood Parking Structure (completed)
  – State College Parking Structure (completed)
  – College of Business and Economics (in construction)
  – Student Recreation Center (in construction)
  – Visitor Information Center (in design)
  – Miscellaneous Parking Improvements (ongoing)
State College Parking Structure

Disabled Parking & Access Plan
Surface Parking
Nutwood Parking Structure

Disabled Parking & Access Plan
Surface Lot Improvements

Disabled Parking & Access Plan
We’re Improving Accessibility

Disabled Parking & Access Plan
Questions

This presentation is available at http://d-c.fullerton.edu/
under “project presentations”