

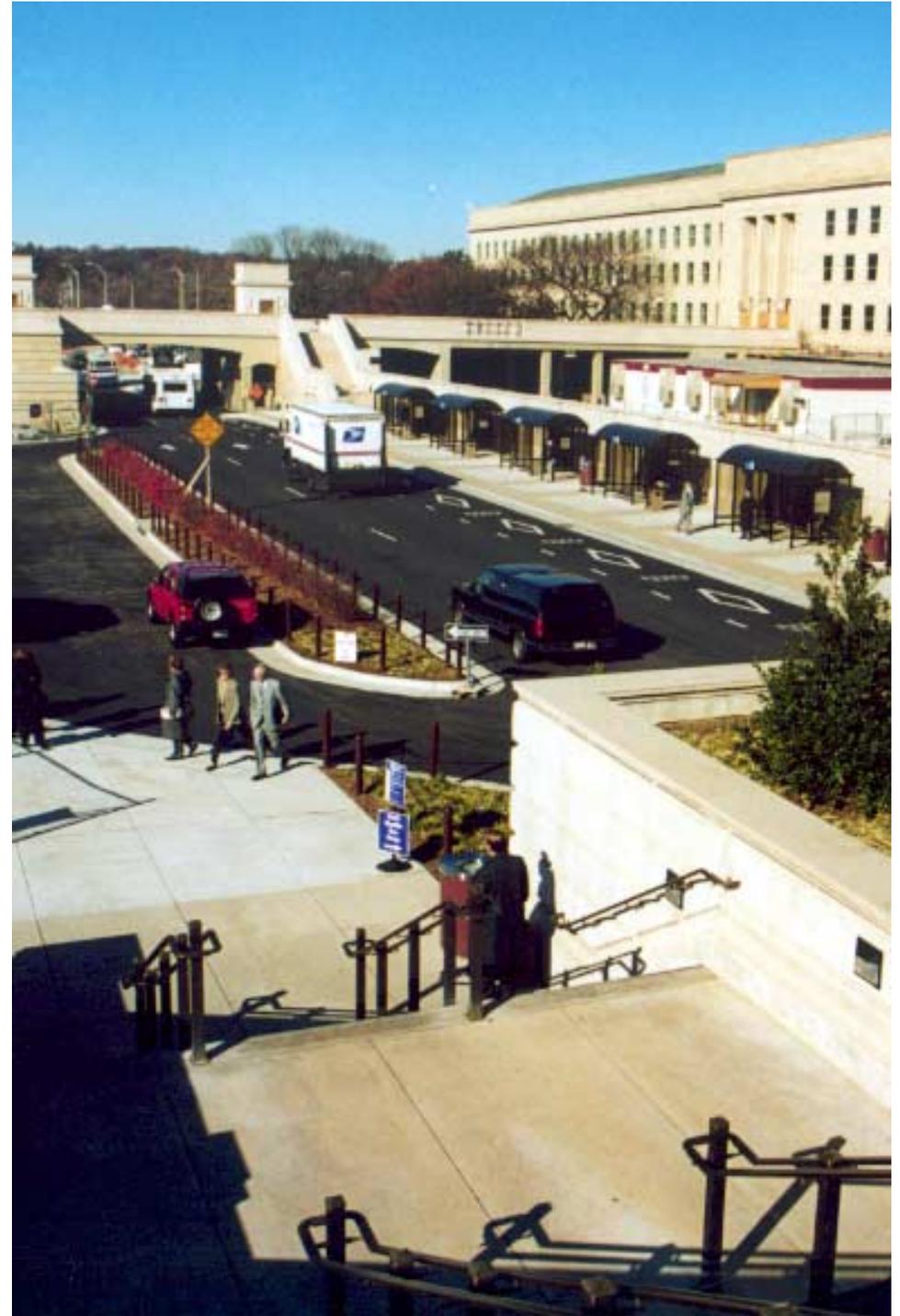
South Terrace Bridges

- Safe access without pedestrian/vehicle conflicts
- Two elevators on each bridge for redundant accessibility



South Terrace Bridges

- New bus shelters
- New kiss-and-drop lane



New Projects to Improve Physical Security

**Remote
Delivery
Facility**



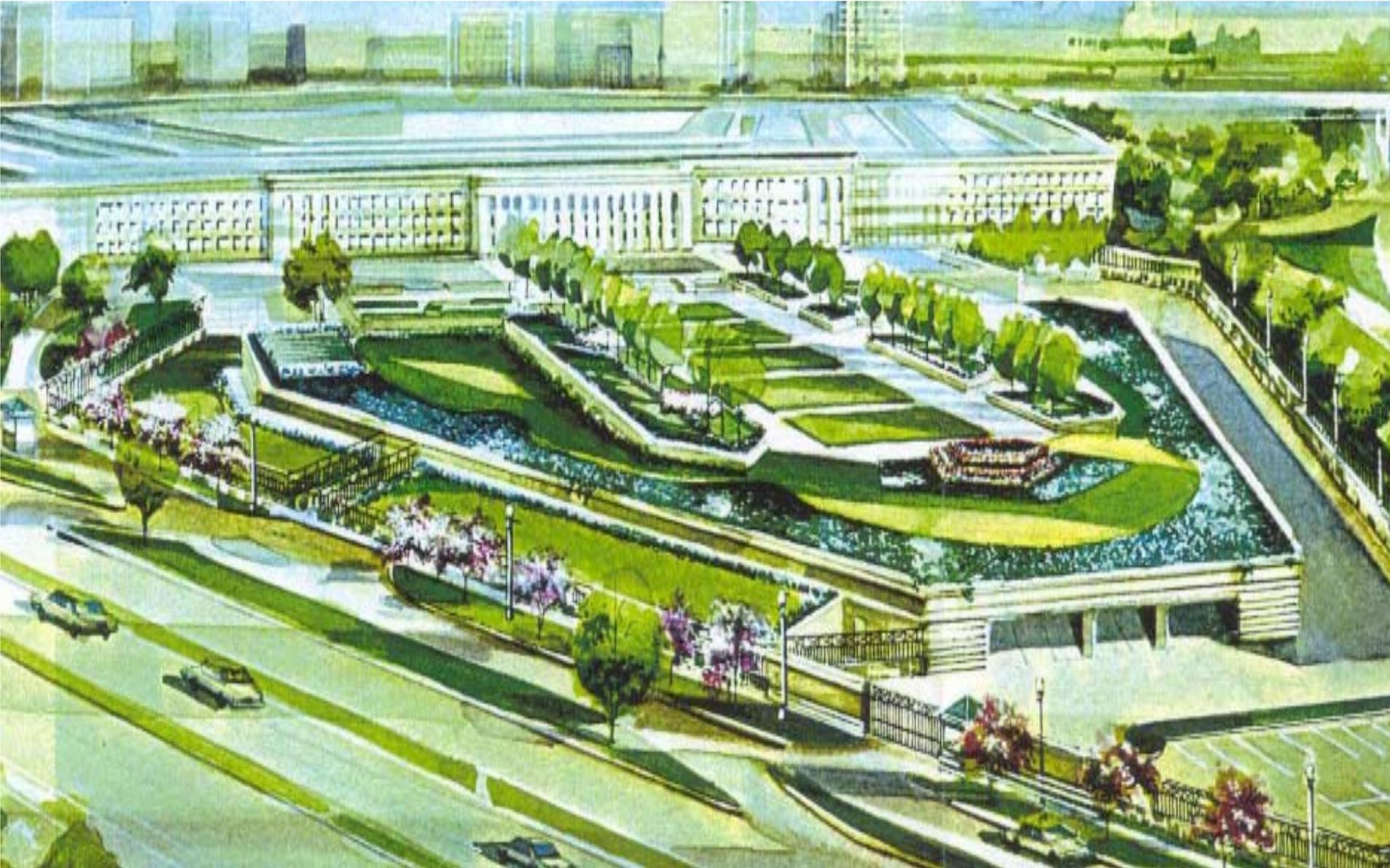
**Pentagon
Metro
Entrance
Facility**



The Problem: Vehicular traffic adjacent to occupied areas



The Solution: A Remote Delivery Facility



The Remote Delivery Facility

- First design-build contract
- Groundbreaking began May 1999



The Remote Delivery Facility

- Secure, consolidated screening facility
- 250 vehicles daily
- 250,000 square feet



The Remote Delivery Facility - July 2001



The Remote Delivery Facility

- Loading docks open Aug 00 precisely on schedule, under budget



The Remote Delivery Facility

- Improved screening procedures



The Pentagon Metro Station - March 2001



The Problem: Close proximity of vehicles to the Pentagon



The Problem: Physical connection between Metro and the Pentagon



The Solution:

- Relocate Metro Bus Facility farther from Pentagon façade
- Eliminate physical connections between Metro Station and Pentagon

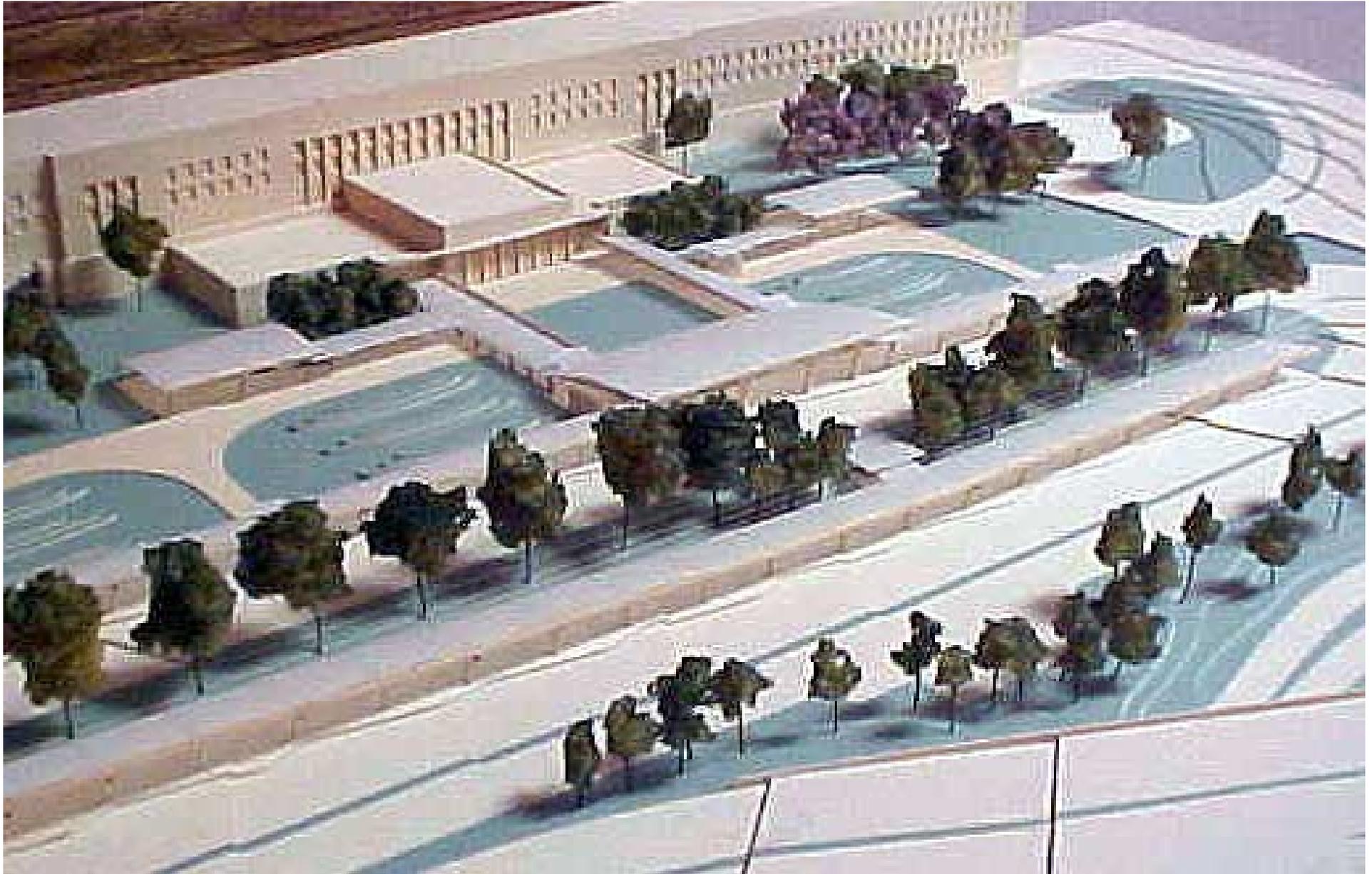


Pentagon Metro Entrance Facility - Bus loop traffic completely separated from South Parking



Pentagon Metro Entrance Facility - November 2002

- Cover over all major paths



Pentagon Metro Entrance Facility

Coordination with customers and stakeholders key to design approval



Pentagon Metro Entrance Facility

- Coordination with persons with disabilities



Pentagon Metro Entrance Facility

- Construction began April 2001 on new bus facility



Pentagon Metro Entrance Facility - Construction on Schedule



July 2001

Pentagon Renovation

On Cost, On Schedule, Built for the Next 50 Years

<http://renovation.pentagon.mil>



Accessibility Issues



Pentagon Metro Entrance Facility Project

Accessibility Issue: Access during construction transitions



- Temporary paths to existing escalators will be fully covered.
- Renovation personnel, signage will assist commuters during transitions.
- Redundant vertical transportation will be in place before old elevators are removed



Accessibility Issue: Reliability, accessibility of existing elevators

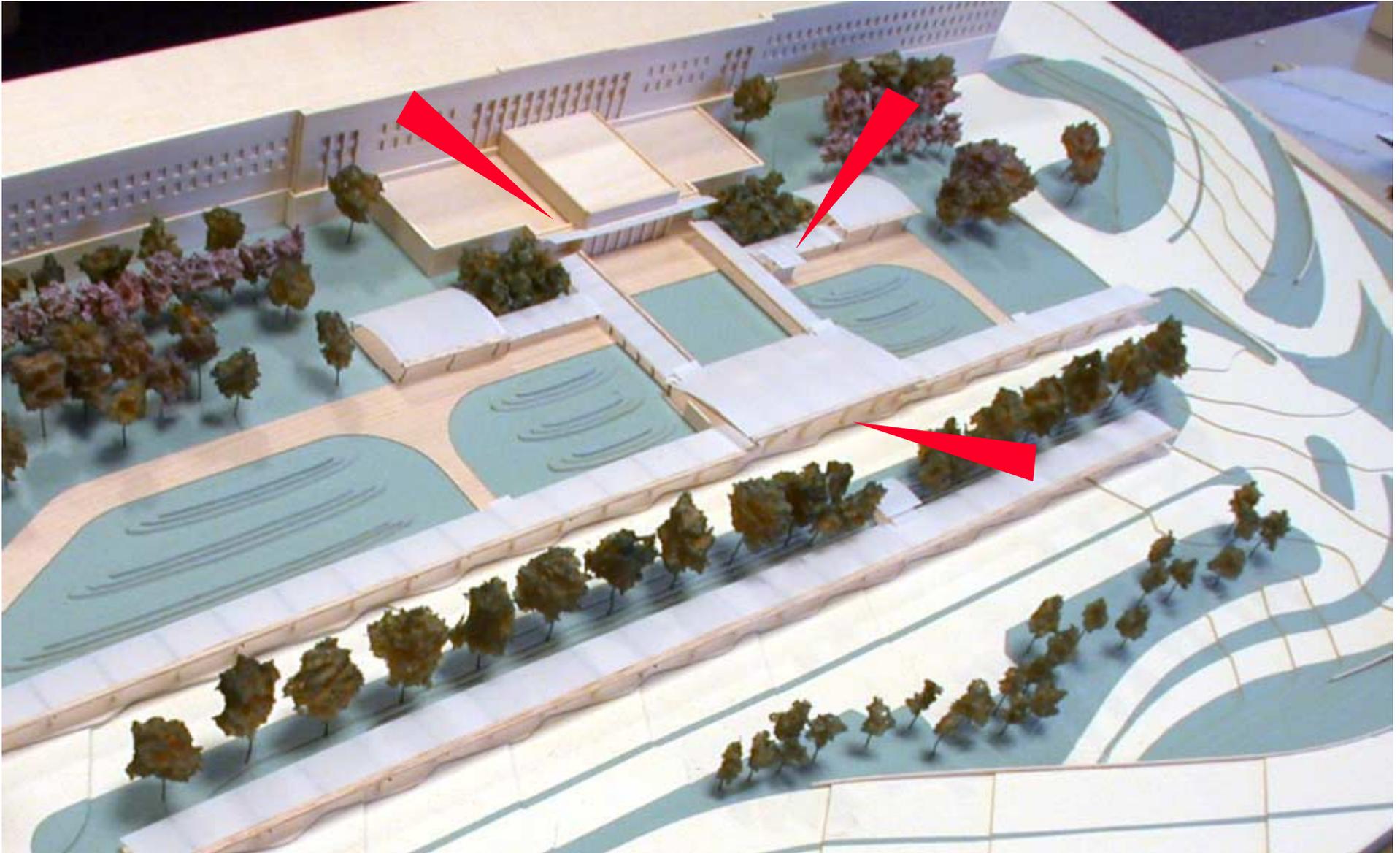


Issue: Elevators remotely located, poorly secured areas



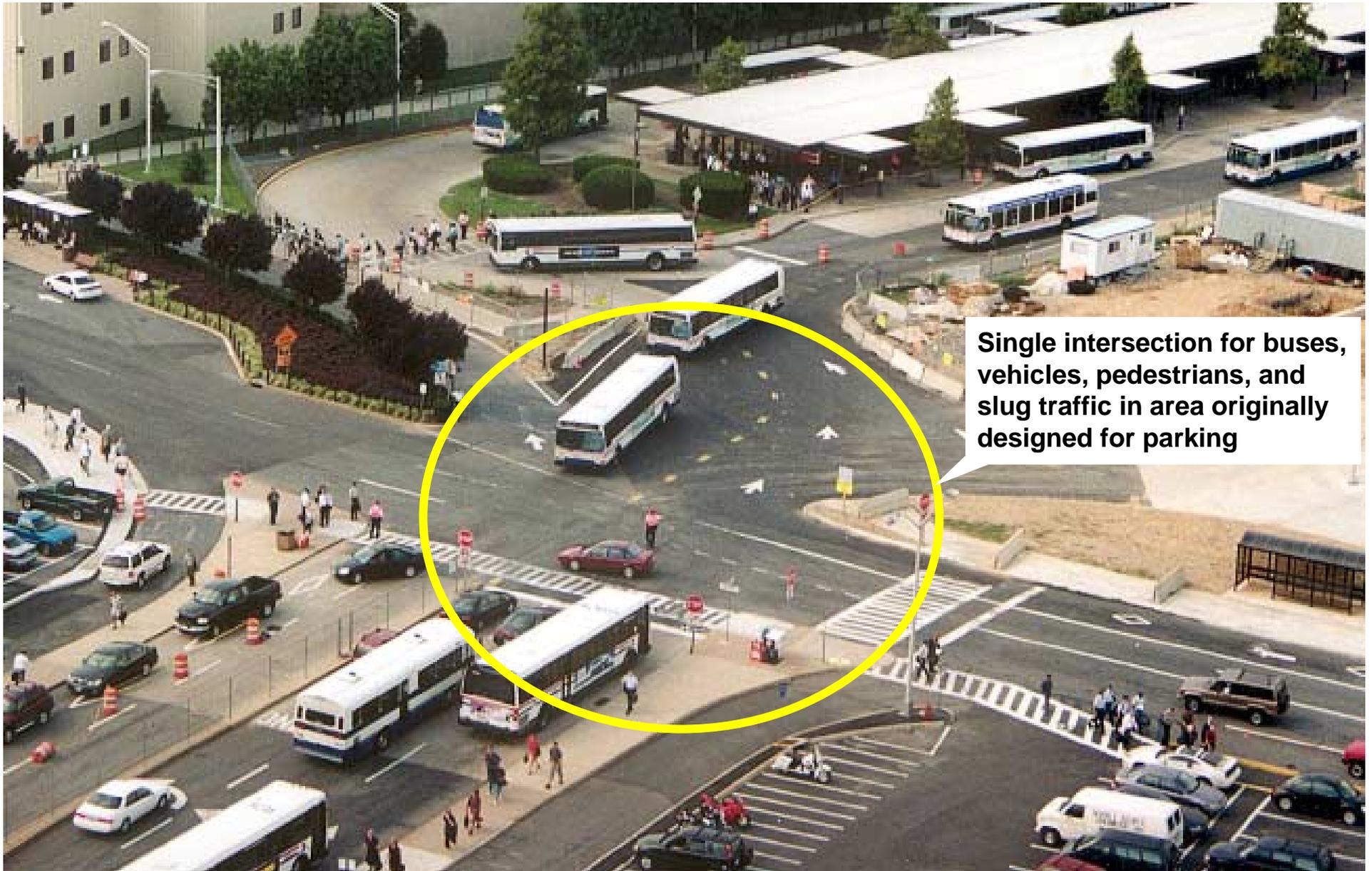
Solution: Pentagon Metro Entrance Facility

- Two elevators, two escalators, and stairs at all vertical transition points
- New elevators will be operational before existing elevators are removed



Pentagon Metro Entrance Facility

Issue: Increase in traffic congestion during construction

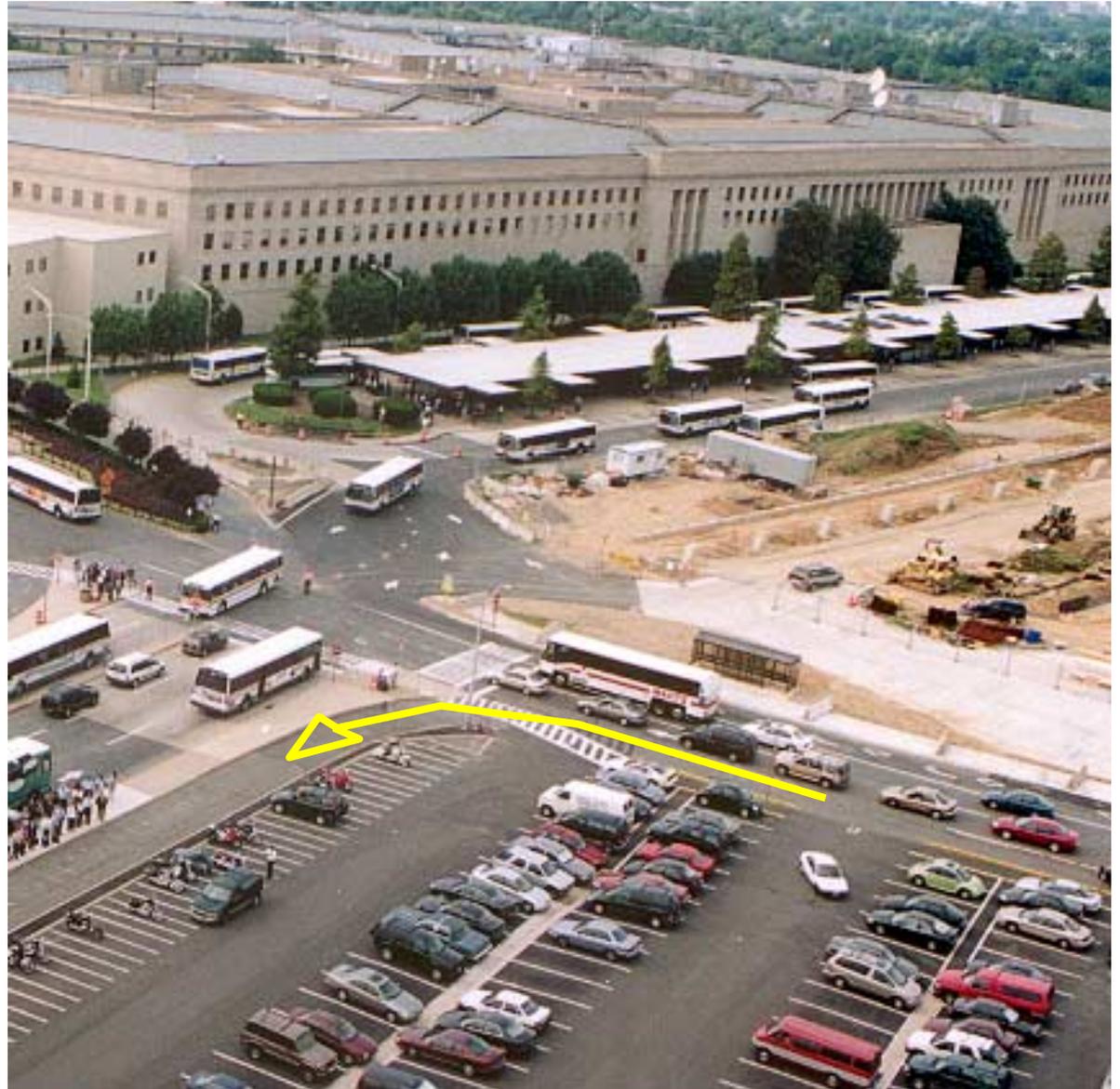


Solution: More police officers present to direct traffic flow



July 12, 2001 5:15 P.M.

- Solution:**
- New “slug” line turn lane
 - Additional studies to determine traffic flow alternatives



Issue: Seating Accessibility in cafeterias - immobile chairs



Solution: - Provide room for free-standing chairs



**Accessibility Issue:
Ramp from Corridor 6 not ADA compliant**

**Ramp is temporary. New ramp from connector tunnel
will be completed during Wedge 2 construction**



Accessibility Issue: Basement restroom accessible stalls need larger turn radius



Accessibility Issue: Wedge 1/Basement - Water fountain operation



**Solution: Possible retro-fit with push-bar units;
include in “lessons learned” for Wedges 2-5 contract**



Issue: Wedge 1 - sink accessibility

Solution: Possible Removal, redesign of pipe cover panel



Issue: Wedges 2-5 - Ramp removal



Issue: South Terrace Pedestrian Bridge elevator reliability

- Elevator reliability has increased steadily. Two elevators provide redundancy.
- No instances of both elevators being down at same time in last year.
- Opening of Corridor 3 Bridge will eliminate congestion.
- No instance of both elevators out of service in past year



Issue: South Terrace Entrance at Corridor 2

- Crowded conditions in vestibule area between doors**
- Reliability of automatic doors**



Solution: Opening of Corridor 3 Bridge will cut pedestrian flow in half and relieve congestion in vestibule area



- Improvements to automatic doors being considered
- Heavy weight is principle cause of failure to operating mechanism.
- Usage will decrease with opening of Corridor 3 Bridge.



Issue: Existing freight elevators present hazards



Solution: 8 passenger-only elevators in each wedge, 40 total



Solution: New apex escalators



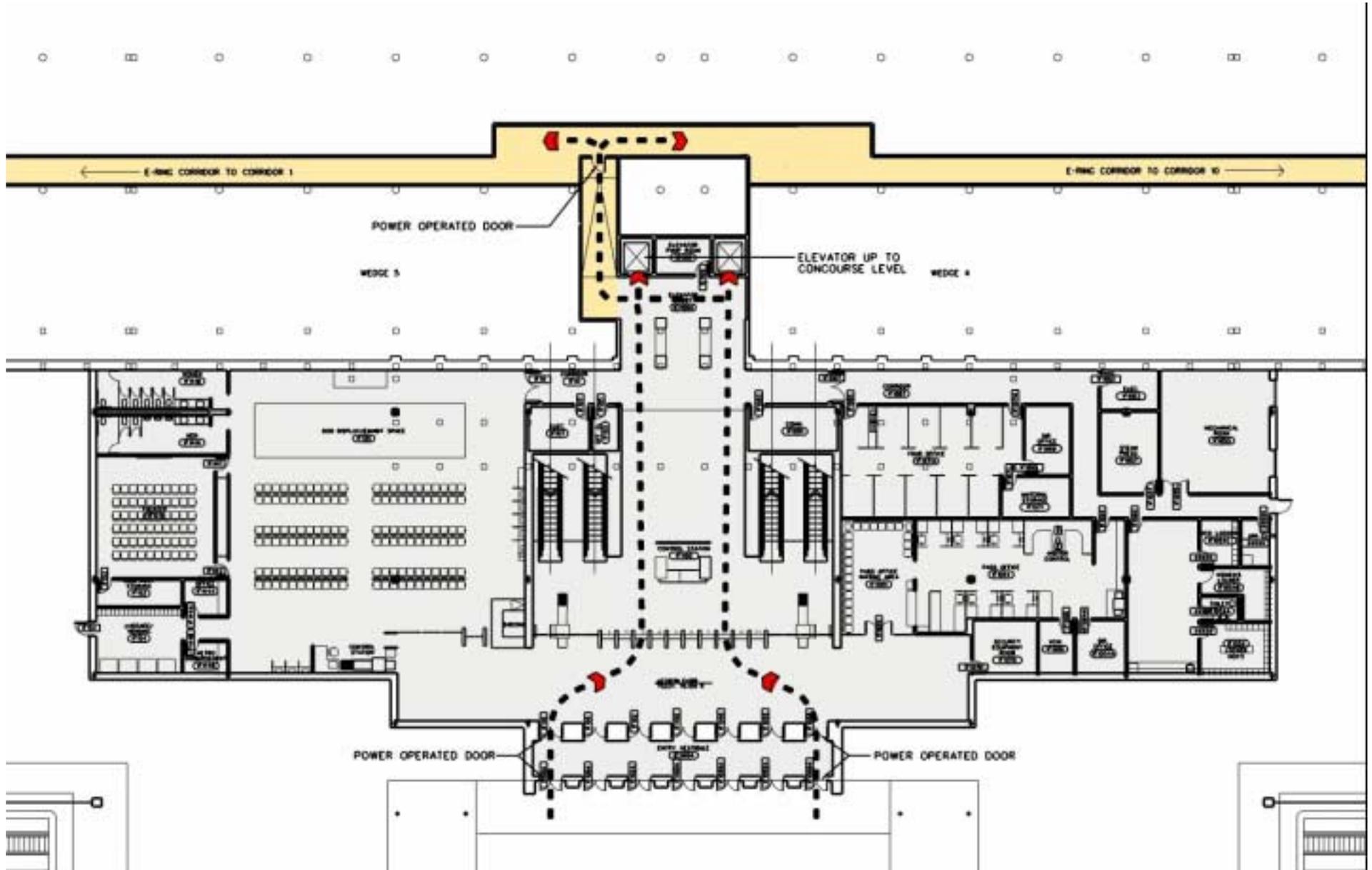
Issue: BMDO Swing Space location presents accessibility obstacles



Solution: Coordination with DoD Disability Manager to determine best possible route and identify obstacles



Solution: Evaluate design options for access to BMDO via new Metro Entrance Facility



Issue: Corridor 8 Entrance Ramp slope not ADA compliant

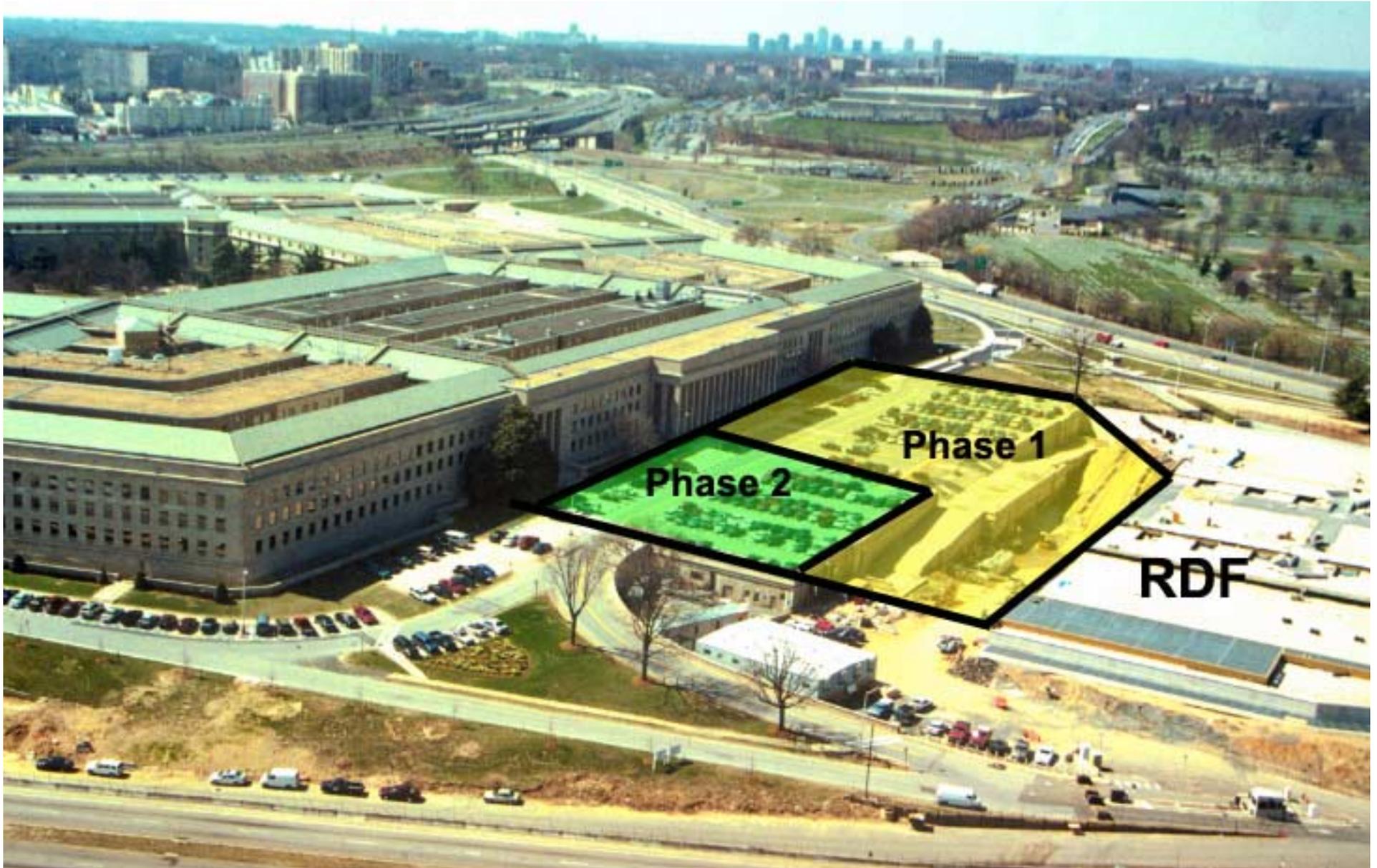


Existing conditions prevent lowering bridge



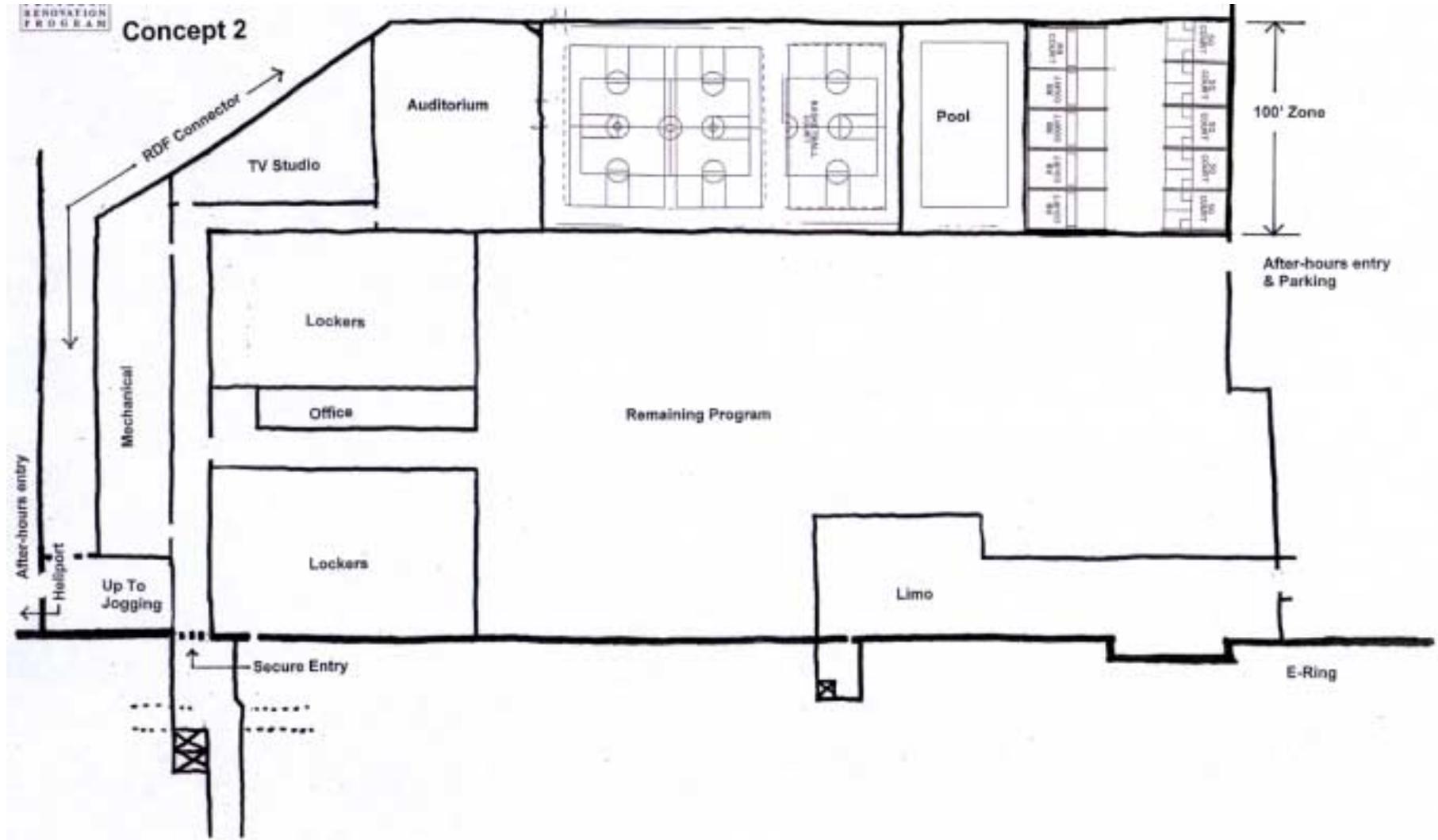
Pentagon Physical Fitness and Readiness Facility

Issue: Accessibility within new facility



Pentagon Physical Fitness and Readiness Facility

- Designed as one-story facility to eliminate vertical transition obstacles.
- Will be fully compliant with ADA.



Issue: Emergency Evacuation Procedures Need Refinement

Recommendations by the DoD Disability Manager, Pentagon:

- Shelters should be constructed outside building and transport available to reach them**
- Emergency personnel need to be aware of and recommend accessible alternatives, e.g., Pentagon City.**
- Use SPVs to help people who don't walk well exit the building.**
- Emergency personnel need to know wheelchair routes out of building (no stairs)**
- Personnel throughout the building should be notified when a partial evacuation occurs**

Issue: Emergency Evacuation Procedures Need Refinement

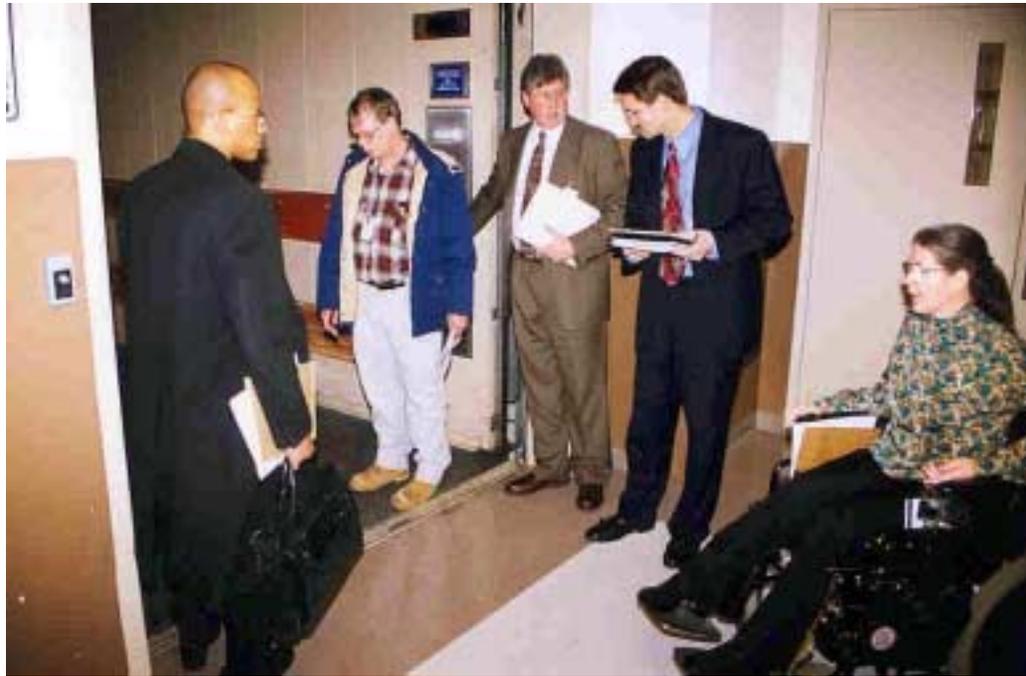
Recommendations by the DoD Disability Manager, Pentagon (cont'd):

- Alternate route need to be determined if ramps are removed and elevators shut down**
- Persons with disabilities must be given priority use of elevators**
- Persons with disabilities must review exit routes periodically in light of potential renovation impacts to corridors and exits**
- Supervisors must be aware of employees that may have difficulty exiting building and take appropriate actions.**
- Policy related to operation of “smoke doors”**

Open Discussion



Renovation Tours for Persons with Disabilities



Wednesday, August 22, 2001, 1:00 PM

Wednesday, August 29, 2001, 1:00 PM

POC: Tom Fontana, (703) 693-8935