

*East Side Access Project*  
*Concrete Operations and Employee Access*

*Community Board 6*  
*March 15, 2010*

## What has happened since December meetings?

- **Coordination with NYCDOT**
  - Traffic Agents will be added as appropriate
- **Coordination with FTA**
  - Technical Memo submitted by ESA and approved by the FTA

## Use of 37<sup>th</sup> Street and Park Avenue

### New Temporary Construction Access

- Personnel Access
- Materials Access
- Concrete Delivery

*Site will be used until March 2012*

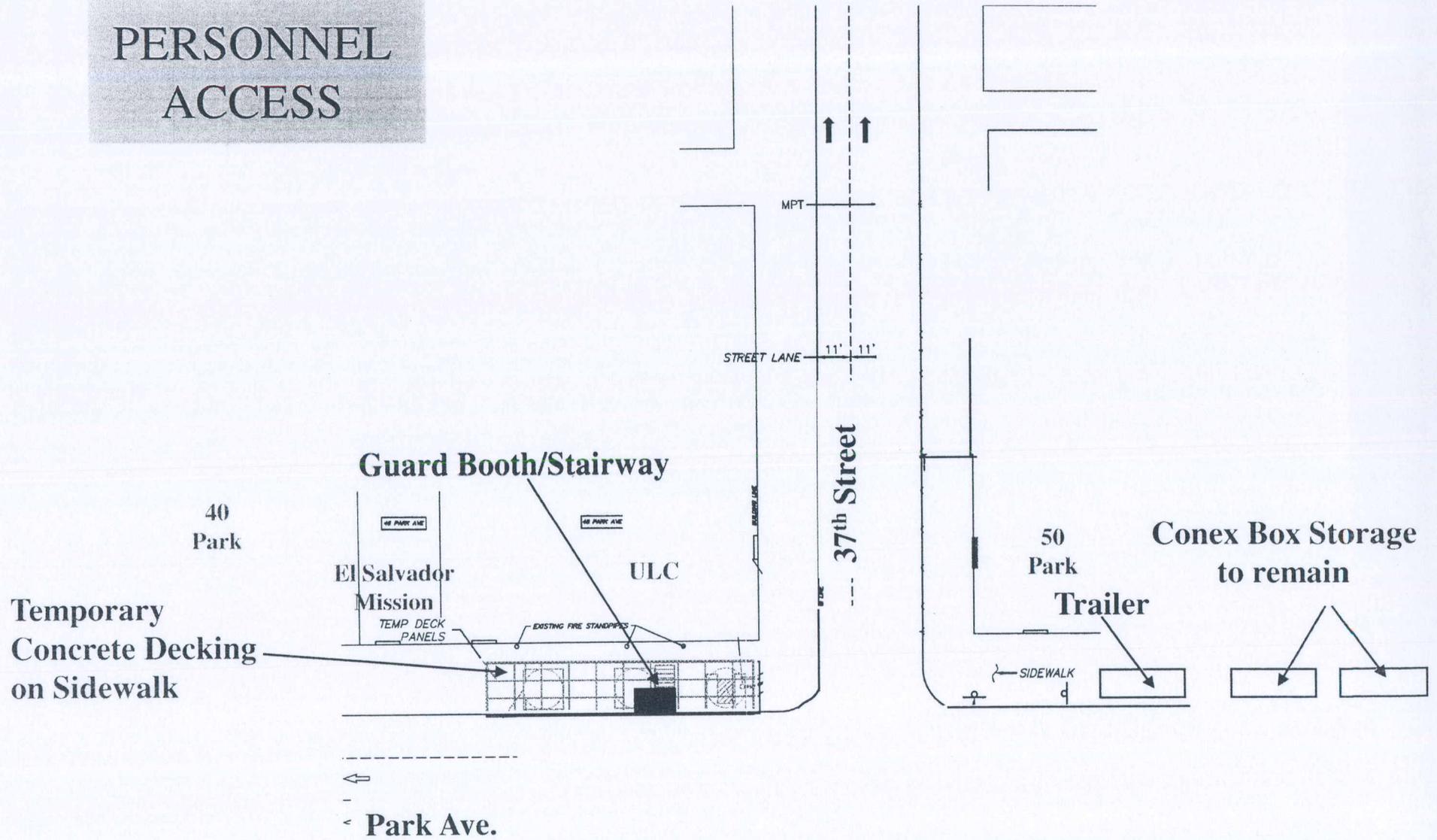
## Contractor's Proposed Site Layout – Personnel Access

- Sidewalk fully open
- Guard at Site during all working hours
- ✱ • Approx. 30 workers per shift – 3 shifts/day (weekdays)

*where are the  
concrete trucks  
when they are  
off site?*

# Contractor's Proposed Site Layout – Personnel Access

PERSONNEL  
ACCESS



## **Contractor's Proposed Site Layout – Deliveries**

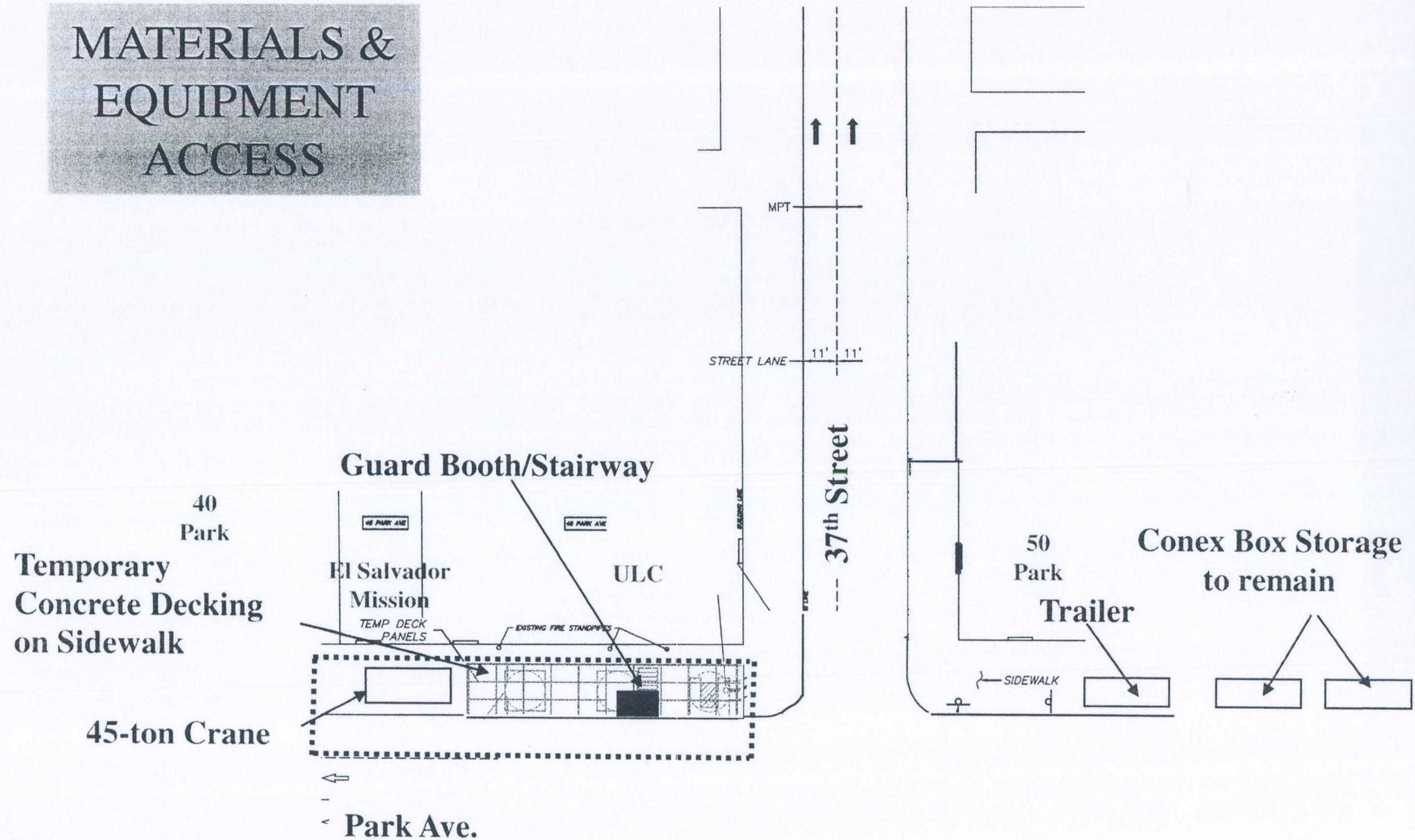
- **5' sidewalk minimum maintained adjacent to Work Area**
- **Deliveries – 8am to 7pm (weekdays only)**
- **45-ton crane will be used to drop deliveries to tunnel level**

## **Contractor's Proposed Site Layout – Deliveries**

- **Crane will be demobilized when not needed on consecutive days**
- **Crane will be located in parking lane or sidewalk**
- **No Material to be stored on sidewalk during non-working hours**

# Contractor's Proposed Site Layout – Deliveries

MATERIALS &  
EQUIPMENT  
ACCESS



## Contractor's Proposed Site Layout – Concrete Operations (Pouring days)

- Minimum 5' Sidewalk will be maintained during concrete pours *mid April*

- Concrete trucks will be at site 8am to 7pm

- Intermittent use over a 20-month period; each pour event will be on average 3 days per week

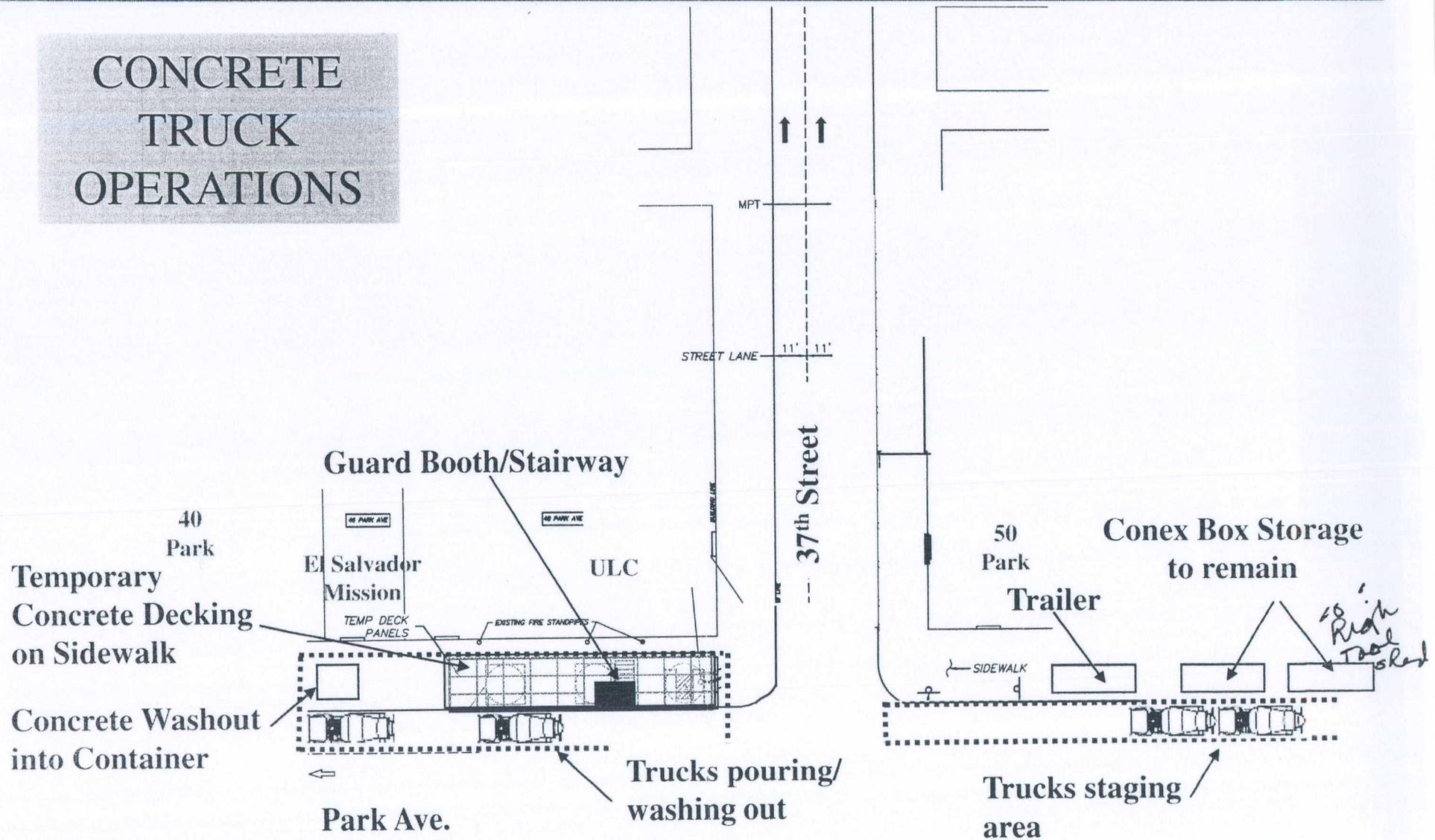
- 10-30 concrete trucks per day depending on volume of concrete needed during each pour event

## **Contractor's Proposed Site Layout – Concrete Operations (Pouring days)**

- **Concrete pump will be moved underground so less space occupied on sidewalk**
- **To prevent trucks “bunching” at site, radio communications will be used to time truck arrivals and departures**
- **Material deliveries will be coordinated with concrete pour events**

# Contractor's Proposed Site Layout – Concrete Operations (Pouring days)

## CONCRETE TRUCK OPERATIONS



## **Planned Schedule – next 3 months**

- **Install Sewer MH #4 and sanitary piping**
- **Install workers elevator (Alimak) and concrete pump**
- **Install Guard Booth on surface**
- **Limited controlled drill & blast excavation for lower chambers**
- **Surface Work demobilization**
- **Start drill and blast excavation of tail track tunnels**

# Timeline for Surface Work & Access

Description	Duration (Months)	2010												2011												2012			
		Jan	Feb	Mar	Apr	May	June	July	Aug	September	October	November	December	Jan	Feb	Mar	April	May	June	July	August	September	October	November	December	Jan	Feb	Mar	
<b>SURFACE WORKS</b>																													
<b>Set-up for Personnel &amp; Material Access</b>																													
Remob and Setup MPT	1 Week	█																											
Install Employee Elevator	2.5		█	█																									
<b>Remaining Utility Work</b>																													
Sewer Inspection/Manhole Replacement	2		█	█																									
Concrete Linings of Shafts and Plenum	5																												
Final Utility Work / Site Restoration	4																												
<b>ACCESS &amp; SUPPORT FOR UNDERGROUND OPERATIONS</b>																													
Access for Underground Operations	25	█	█	█	█	█	█	█	█	█	█	█	█	█	█	█	█	█	█	█	█	█	█	█	█	█	█	█	█
38th Street Ventilation Plant - Excavation	6																												
<b>Concrete Operations</b>																													
Tail Tunnel Concrete	6																												
Miscellaneous Structures (Shotcrete)	4																												
38th Street Ventilation Plant	5 1/2																												
37th Street Raise Chambers	3																												

- █ Street Work / Major Deliveries (Formwork) (weekdays, 8am-7pm)
- █ Personnel Access, Small Tools & Supplies wkdays, 24 hrs (Deliveries req crane: 2-3 times per wk, 8am-7pm) ✖
- █ Concrete Supply (weekdays, 8am - 7pm)
- █ Concrete/Shotcrete Supply (2-3 times per week 8am - 7pm)

*(Schedule as of March 15, 2010)*

## Site Restoration

In last 4 months (December 2011-March 2012)

- Complete utility work (no water shut offs expected)
- Complete plenum construction
- Restore street and sidewalk
  - Heel friendly gratings installation
  - Plant one tree
  - Flagpoles reinstallation
  - Canopy reinstallation to ULC
  - Restore bus stop
- One lane closure will be needed most times