

Memorandum

CS Memorandum No. 1306

To: Distribution
From: Quon Chin, Design Oversight Manager 
Date: December 13, 2012
Reference: Project No. M544.1, Contract No. CS-149 Final Design
Task No. 1-10.16, Safety
Subject: Fire Life Safety Committee Meeting No. 36 Rev 1

Attached please find minutes for Fire Life Safety Committee Meeting No. 36 Revision No. 1, held on June 21, 2012

QC:tw

Attachments:

Fire Life Safety Committee Meeting No. 36 – Rev. 1 Meeting Minutes
Fire Life Safety Committee Meeting No. 36 – Meeting Attendance Sheet
Fire Life Safety Committee Meeting No. 36 – Meeting Agenda

Cc: Jeffrey Davis, FTA/ PMOC (w/ attachments) - jeffrey.s.davis@dot.gov
David Kuehn, FTA/PMOC (w/ attachments) - david.kuehn@stvinc.com
Colleen Sullivan, CPUC (w/attachments) - colleen.sullivan@sfgov.org
John Funghi, SFMTA (w/attachments) – Via Email
Mikail Ali, SFFD (w/attachments)- Via Email
Albert Hoe, SFMTA (w/attachments) – Via Email
Gerald Williams, SFMTA (w/attachments) – via Email
Melvyn Henry, SFMTA (w/attachments) – Via Email
Lang Huey, SFMTA (w/attachments) – Via Email
Tim Lee, SFMTA (w/attachments) – Via Email
Roger Nguyen, SFMTA (w/attachments) – Via Email
Jim Kelly, SFMTA (w/attachments) – Via Email
Ted Unaegbu, SFMTA (w/attachments) – Via Email
Jane Wang, SFMTA (w/attachments) – Via Email
Gulzar Ahmed, PB/Telamon (w/attachments) - ahmed@pbworld.com
Aileen Read, CSDG (w/attachments) – via email
Chuck Morganson, HNTB/B&C (w/attachments) - Via Email
Tom Tolentino, HNTB/B&C (w/attachments) – Via Email
Dave Coury, HNTB/B&C (w/attachments) - Via Email
Jerry Casey, HNTB/B&C (w/attachments) - jcasey@hntb.com

Sean Cassady, HNTB/B&C (w/attachments) - scassady@hntb.com
CS File No. M544.1.5.0910.d

Distribution:

Brad Lebovitz, FTA/PMOC - bradley.lebovitz@stvinc.com

Jimmy Xia, CPUC - jx7@cpuc.ca.gov

Kartik Shah, SFMTA - Via Email

Jaswant Bhatti, SFMTA - Via Email

Michie Wong, SFFD - Michie.Wong@sfgov.org

Brain Ballard, SFFD - Brian.Ballard@sfgov.org

Jon Corbett, SFFD - Jon.Corbett@sfgov.org

Ross Edwards, CSP - Via Email

Quon Chin, CSP - Via Email

Wayne Gilles, CSP - Wayne.Gilles@ch2m.com

Carlos Campillo, CSP - Via Email

Meeting Minutes

DATE: December 12, 2012 (orig. date: September 19, 2012)
 MEETING DATE: **June 21, 2012**
 LOCATION: 821 Howard Street, 2nd Floor
 TIME: 11:00 am
 ATTENDEES: Brad Lebovitz (FTA/PMOC), Brian Ballard (SFFD), Lt. Michie Wong (SFFD), Jon Corbett (SFFD), Jimmy Xia (CPUC), Jaswant Bhatti (SFMTA), Kartik Shah (SFMTA), Ross Edwards (CSP), Wayne Gilles (CSP), H. Quon Chin (CSP), Carlos Campillo (CSP)

via teleconference: Ronnie Dobbs (PMOC) - (972) 998-9568

COPIES TO: Attendees, Jeffrey Davis, (FTA), David Kuehn (FTA/PMOC), Colleen Sullivan, (SFPUC), Chief John Murphy (SFPD), Lea Militello- Commander Mikail Ali (SFPD/HLSSFMTA SED), John Funghi (SFMTA), Albert Hoe (SFMTA), Melvyn Henry (SFMTA), Gerald Williams (SFMTA), Lang Huey (SFMTA), Tim Lee (SFMTA), Roger Nguyen (SFMTA), Jim Kelly (SFMTA), Ted Unaegbu (SFMTA), Jane Wang (SFMTA), H. Quon Chin (CSP), Gulzar Ahmed (PB/Telamon), Aileen Read (CSDG), Chuck Morganson (HNTB); Tom Tolentino (HNTB/B&C), Dave Coury (HNTB/B&C), Jerry Casey (HNTB), Sean Cassady (HNTB), and Central Subway Chron

REFERENCE Project No. M544.1, Contract No. CS-149 Final Design

SUBJECT: Fire Life Safety Committee Meeting No. 36 – Rev. No. 1

RECORD OF MEETING

ITEM #	DISCUSSION	ACTION BY DUE DATE
1	Wayne Gilles called the FLSC meeting to order. Melvyn Henry is the presiding chair of the Fire Life Safety Committee. Wayne Gilles is appointed as the alternate FLSC chair when Melvyn is not attending. a. Welcomed new attendee Brian Ballard – SFFD to the FLSC.	N/R
2	MINUTES a. Minutes of the last (May 2012) FLSC meeting will be sent out separately. b. Formal distribution of FLSC Meeting minutes will be e-mailed to attendees and copy to distribution listed.	Distributed 07/31/12
3	SFFD APPROVAL PROVIDED & CONDITIONAL APPROVAL LETTERS RECEIVED: a. CS Letter 1680: FDC Location for Central Subway Stations – <i>Concurrence</i> 06/13/12 b. CS Letter 1632, Rev. 1: UMS Shaft Enclosure & Protection Requirements– <i>Concurrence provided</i> 06/13/2 c. CS Letter 1635 UMS Glass Roof Walk Deck over North Entrance – <i>Concurrence provided</i> 04/19/12	Concurred Concurred Concurred

ITEM #	DISCUSSION	ACTION BY DUE DATE
4	<p>SFFD CLARIFICATIONS PROVIDED & PENDING CLARIFICATIONS:</p> <ul style="list-style-type: none"> a. None outstanding – for stations b. Systems – Tunnel ARS forthcoming 	n/a new
5	<p>CURRENT & CONTINUING BUSINESS</p> <p>5.1 Working Meeting (05/31/12): Tunnel's Air Replenishment System Design & Other Topics of Discussion w/SFFD</p> <ul style="list-style-type: none"> a. Draft ARS tunnel system schematic overview b. Draft tunnel section with ARS c. Proposed ARS pipe protection measures (w/cover): 2-hr fire resistive rating; 700 degree F stand-off distance; check valves proposed & isolation valves on "top side" d. Discuss emergency response procedure and protocol e. Tunnel ARS piping requested to be interconnected – for feeds from two stations f. Surface panel connections g. 2-minute fill criteria; SFFD compressor truck pressure and flow rate data h. Discuss with manufacturer (Rescue Air) consolidation of air connections to a single panel for stations and tunnels. <p>5.2 Working Meeting (06/12/12): Reviewed UMS (wet system) standpipe riser location at Stair Nos. 3 and 4.</p> <p>5.3 Designer is developing details of the Fire Barrier Wrap Pipe Protection w/Cover in its 65% Design Development of the tunnel's ARS to submit to FLSC & SFFD. Design will show routing of the ARS piping in the tunnel and in the cross-over cavern at Chinatown Station, typical protection details, and location of ARS Panel & defragmentation containment vessels in the cross passages. Specification of fire barrier wrap shall make reference to extensive lab tested performance criteria and not necessarily sole-sourced (3M).</p> <p>5.4 Submit a revised Clarification Letter (#0690, R1) to SFFD <i>on the Locations of ARS Panels in Station – to end of platforms (EOP)</i></p> <p>5.5 Prepare a revised CS Letter No. 1397 – Request for Approval of Variance for Air Replenishment System for the Tunnels. Agreement with SFFD will amend the letter to clarify the fire resistance rated enclosure and frequency of testing.</p> <p>5.6 Submit a revised Clarification Letter (#1260) to SFFD <i>on non-sprinklered emergency plenums and shafts</i></p> <p>5.7 Update CS Letter No. 1349 – local equivalency for photo-luminescent elements.</p> <p>5.8 DBI Permit Drawing: Project Team is to prepare code and variance sheets for purpose of stamping the DBI permit drawings; and for SFFD field inspectors to have included in the permit approved drawing set the pertinent drawings and basis of approvals.</p>	<p>PMCM (CC)</p> <p>Closed</p> <p>PMCM (CC)</p> <p>PMCM (HQC)</p> <p>PMCM (CC)</p> <p>PMCM (HQC)</p> <p>PMCM (HQC)</p> <p>PMCM (HQC)</p>

ITEM #	DISCUSSION	ACTION BY DUE DATE
<p>6</p> <p>6.1</p> <p>6.2</p> <p>6.3</p>	<p>NEW BUSINESS</p> <p>Motion to move the FLSC Meetings to quarterly sessions by Wayne Gilles. Motion seconded by Ross Edwards.</p> <p>Announcement: Central Subway Design Office at 651 Brannan Street has officially closed at the end of June 2012. Design Management staff has relocated to Howard Street with some support staff relocated to 1 South Van Ness Avenue.</p> <p>Contract 1252 (Tunnels) Construction Safety Meeting: Mr. Heard-Boody Hurd <u>BIH Safety Manager</u> & Inspector Arneff-Arnautoff of SFFD will be attending the construction safety meeting on a <u>regular-on-going</u> basis with the Construction Management (CM) team and Resident Engineer (RE) – Sarah Wilson. Sarah Wilson is to contact Lt. Michie Wong <u>to schedule the initial meeting</u>.</p> <p>Post Meeting: Sarah Wilson (RE) was introduced to Lt. Michie Wong <u>at the Howard Street office after the June 21, 2012 FLSC meeting</u>.</p>	<p>Motioned</p> <p>n/a</p> <p>CM</p>
<p>7</p>	<p>There being no further business, meeting adjourned 11:40 am.</p> <p>Next meeting date is September 20, 2012 – the third Thursday of the month, unless otherwise indicated.</p>	<p>None</p>

ACTION ITEMS

ITEM #	MTG DATE	Task #	DESCRIPTION	BIC	DUE DATE	STATUS
5.6	12/15/11		Amend equivalency letter incorporating SFFD e-mailed comments on ARS panel requirement at EOP only (CS Letter #0690, Rev. 1)	CSP	11/24/12	Formalize per 02/24/12
5.2	05/17/12		Amend clarification letter incorporating SFFD conditions on acceptance of non-sprinklered emergency plenum and (CS #1260)	CSP	11/24/12	OPEN
5.3	05/17/12		Amend equivalency letter incorporating SFFD comments on acceptance of photo-luminescent elements at platform level.	CSP	11/24/12	OPEN
5.4	05/17/12		Prepare DBI Permit Drawings incorporating signed SFFD Letters of codes and variances for building permit issuance.	CSP	11/24/12	OPEN
5.3	06/21/12		Prepare 65% design development of air replenishment system in Tunnels including details of a fire barrier wrap pipe protection w/sheet metal cover to submit to SFFD & FLSC for review.	CSP	09/14/12*	Submitted* For Review
5.5	06/21/12		Revise CS Letter #1397 – Request for Approval of Variance for (Tunnels) Air Replenishment System.	CSP	11/24/12	OPEN

* Post Meeting Update: Status reflects post-meeting activities and status update.

FLSC Meeting #36 adjourned at 11:40 am.

These meeting minutes have been prepared by H. Quon Chin and reviewed by Ross Edwards, and are the preparer's interpretation of discussions that took place. If the reader's interpretation differs, please contact the author in writing within four (4) days of receipt of these minutes.

Signed: 

Revision Date: 12/12/2012

Original Issue Date: 09/19/2012

Meeting Agenda

Project No. M544.1, Contract No. M544.1/CS-149

Final Design

Fire and Life Safety Committee Meeting No. 36

June 21, 2012

11:00 am to Noon

Central Subway Office
821 Howard Street, 2nd Floor
Main Conference Room

AGENDA

1. INTRODUCTIONS
2. MINUTES of LAST MEETING – *will send out separately*
3. PREVIOUS BUSINESS
 - 3.1. SFFD Approval, Conditional Approvals & Agreements
 - a. CS Letter 1680: FDC Location for Central Subway Stations – *Concurrence 06/13/12*
 - b. CS Letter 1632, Rev. 1: UMS Shaft Enclosure & Protection Requirements–
Concurrence provided 06/13/12
 - c. CS Letter 1635 UMS Glass Roof Walk Deck over North Entrance –
Concurrence provided 04/19/12
 - 3.2. SFFD Clarifications Provided & Pending Clarifications
 - a. None outstanding
4. CURRENT & CONTINUING BUSINESS
 - a. Working meeting (05/31/12): Tunnel's Air Replenishment System Design & Other Topics of Discussion w/SFFD
 - Draft ARS tunnel system schematic overview
 - Draft tunnel section with ARS
 - Proposed ARS pipe protection measures (w/cover)
 - Discuss emergency response procedure and protocol
 - Tunnel ARS piping requested to be interconnected – for feeds from two stations
 - Surface panel connections
 - 2-minute fill criteria; SFFD compressor truck pressure and flow rate data
 - b. Working meeting (06/12/12): reviewed UMS (wet system) standpipe riser location - Stairs 3 & 4
 - c. Prepared CS Letter – Fire Barrier Wrap Pipe Protection w/Cover to submit to SFFD
 - d. Submit a revised Clarification Letter (#0690, R1) to SFFD
on the Locations of ARS Panels in Station – to end of platforms (EOP)

- e. Submit a revised Clarification Letter (#1260) to SFFD
on non-sprinklered emergency plenums and shafts
- f. Update CS Letter No. 1349 – local equivalency for photo-luminescent elements.
- g. Prepare code and variance sheets for DBI/SFFD permit drawings.

5. NEW BUSINESS

- a. Recommendation to move the FLSC Meetings to quarterly

NOTES

Meeting Attendance Sheet

Project No. M544.1, Contract No. CS-149
 Final Design
 Fire Life Safety Committee Meeting No. 36
 June 21, 2012
 11:00 am to 12:00 pm
 Central Subway Project – Main Office
 821 Howard Street, 2nd Floor
 Main Conference Room

Deliver Meeting Attendance Sheet with original signatures/initials to Document Control.

NAME	AFFILIATION	PHONE	E-MAIL (for minutes)
Wayne Gilles	CSP	714-906-5895	Wayne.gilles@ch2m.com
Lieutenant Bratti	SFMTA	415-581-5173	Lieutenant.Bratti@SFMTA.com
Carlos Campillo	CSE	415-581-5151	Carlos.Campillo@SFMTA.com
Ross Edwards	CSP	415-581-5165	ross.edwards@sfmta.com
Brad Lebovitz	PMOC	510-464-8052	bradley.lebovitz@estvinc.com
Jimmy Xia	CPUC	415-703-2211	JXA@cpuc.ca.gov
Jon Corbett	SFFD	415-575-6929	jon.corbett@sf.gov.org
Michie Wong	Fire	558-3361	Michie.Wong@sf.gov.org
Brian Ballard	SFFD	558-3363	brianballard@sf.gov.org
H. ROON CATN	CSP	581-5152	

central  subway

NAME	AFFILIATION	PHONE	E-MAIL (for minutes)