

SCHEDULE OF INSTRUCTION – 3-7Nov, 2008 – (see page 3 for logistical information)

Course Director

Tom Niedernhofer = TRN

Assistant Dir

Scott Acone

Guest Presenter

Blake Rothfuss = BDR

List of Instructors

Michael Barker = MGB

David Hammond =DJH

Peter Keating = PBK

John O Connell = JOC

B.K. Cooper = BKC

Tom Clark = TC

<u>TIME</u>	<u>ACTIVITY</u>	<u>COMMENTS</u>	<u>INSTRUCT</u>
Day 0 – 2Nov08			
1630 1730	Review of recent activity	Recent Incidents and shoring tests	TBD
1730 1815	Dinner at Site		
1815 1845	Welcome and Introductions	Class Introductions	TRN
1845 1930	US&R Sys Overview & Update	Briefing on US&R System + Intro video	DJH
Day 1 – 3Nov			
0714 0800	Breakfast at site		
0800 0850	Cause of Collapse	SS-1.1 PPT w/Manual	MGB
0900 0950	Materials & Basic Struct Sys + Bldg Characteristics	SS-1-2 PPT w/Manual	PBK
1000 1130	Structural Collapse Patterns	SS-1.3 PPT w/Manual	DJH
1200 1300	Lunch at Site		
1300 1400	Hazard I. D. + intro to Haz Assessment and Mitigation	SS-1.4 PPT & Manual	MGB
1410 1700	Monitoring Tools & Techniques SS-1.5	Review setup & monitoring, 1 hr lecture + 2hr in field (divide into 3 groups) Sta 1 Theodolite & Total Sta Sta 2 WBMS & other Monitoring Equip Sta 3 Building Height Measurements	PBK TRN & PBK DJH MGB
1700 1800	Case Study One	Hazard Assessment & Mitigation at Oklahoma City Bombing Incident	DJH
1800 1845	Dinner at Site		
Day 2 – 4Nov			
0715 0800	Breakfast at site		
0800 0850	The Engineers Role	SS-1.6 PPT - StS Role, use of FOG & StS Equipment	MGB
0900 0950	Rapid Recon, Hazard Asses and FEMA Markings Sys	SS-1.7 PPT	DJH
1000 1050	Rescue Operations Strategy and Tactics	SS-1.9 PPT - TF System and How the Structures Specialist Fit Into It.	JOC
1100 1200	Intro to Basic Timber Design	SS-2-0 PPT & Handout	PBK
1200 1300	Lunch		
1300 1400	Shoring Design & Calcs	SS-2.1 PPT & Manual	MGB
1410 1530	FEMA Shoring Sys	SS-2.2 PPT & Manual	DJH
1540 1640	Shoring Construction	SS-2.3 PPT & Manual	JOC
1650 1730	Examination	Multiple choice exam	All
1730 1815	Case Study Two	Rescue's Role at several Incidents	JOC
1815 1900	Dinner at Site		

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Day 3 – 5Nov				
0715	0800	Breakfast & Safety Message		
0800	1200	Shoring Field Exercise Divide class in 3 groups	Sta 1 Interior Shore, Sta 2 Rakers Sta 3 Sloped FI, Tiebacks, etc	JOC + All
1200	1245	Lunch at Site		
1245	1330	Shoring Exam Review		
1330	1410	Rigging Engineering & HERS	SS-3.1 PPT	DJH
1420	1520	Mobile Crane Basics & Signals	SS-3.2 PPT	PBK
1530	1630	Introduction to Crane Charts	SS-3.3 PPT	DJH
1640	1720	Concrete Anchors	SS-3.6 PPT	MGB
1730	1800	T F Search Capabilities	SS-1-7 PPT & video	DJH
1800	1845	Dinner at site		
Day 4 - 6Nov				
0715	0800	Breakfast at site		
0800	0900	Learning from Crane Accidents & Out of Chart Operations	SS 3.4 PPT with video	BKC, DJH
0910	1010	Intro to Demolition Contractor's Operations & Helicopter Ops	SS-3.5 PPT	DJH, BKC
1020	1120	Calculating Weight & C.G.	PPT + Individual problem	DJH
1120	1215	Rigging Exam	Multiple choice exam	All
1215	1300	Lunch		
1300	1730	Rigging Field Exercise 3 x 90 min	Divide class in 3 groups	
		Station A (A1 & A2)	A1 - Communicating w/Crane A2 - Calc weights & C.G.	BKC, PBK MGB
		Station B (B1 & B2)	B-1 Install Anchors B-2 Test Anchors	DJH Simpson
		Station C (one rigging station)	Lifting Objects: slabs, odd slabs, pipe, groups of pipes & poles	TC, TRN
1745	1830	Dinner at Site		
1900	2000	Case Study Three	Crane and Rigging use at the Puerto Rico Explosion Incident	DJH
Day 5 - 7Nov08				
0715	0800	Breakfast at site		
0800	0850	US&R Strategy & Size-up	SS-4-1 PPT Lecture	PBK
0900	0940	US&R Case Study-Group A + 880	SS-4-2 1985-89 E.Q. Case Studies	DJH
0950	1040	Class Exercise #1 (231 SAA)	SS-4-3 Tabletop Problem w/model	MGB
1040	1120	Class Exercise #2 (CSN)	SS-4-3 Final Problem and Discussion	PBK
1120	1200	Case Study NIH Parking Struct	Secondary collapse & Micro Cracking	DJH, PBK
1200	1245	Lunch at site		
1245	1330	Case Study Four	TF Engineer's Response at WTC	BDR
1340	1430	Case Study Five	State Response by Skype	TBD
1430	1500	Wrap-up		ALL
		Transport to San Jose Airport		

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COURSE LOGISTICAL INFORMATION :

Dates: Nov3 thru Nov 7, 2008 (arrive Nov 2, 08)

Location: Moffett Field, CA (Mountain View, CA)
Rooms at NASA Exchange Lodge and Annex
Bldg 19, N. Akron Rd, Moffett Field, CA 94035.
Phone, 650 603-7100 Reservation Code is US Army Corps of Engineers
(there are 30 rooms in the Main Lodge @ \$55/nite and remaining rooms are in the Annex @ \$45/nite) A map will be provided
Free Wi-Fi Internet is available at the Main Lodge

Moffett Field is 10 miles from San Jose Airport (SJC) & 30 miles from San Francisco Airport (SFO) Shuttle service is available from each:
Atlas Express – 1-888-467-0000
On Time Shuttle 650-207-0221
Best Airport Shuttle 1-866-333-2378
(Supper Shuttle may be used, but has not been too responsive)

Students should arrive at Moffett Field by 1630hrs, Nov 2, 08 for the Kick-off Dinner and information session (Recommended but not mandatory)

All meals from dinner, Nov 2 through lunch, Nov 7 will be provided for cost of \$145 (have check payable to Golden Harvest for \$145 or cash – a receipt will be given)

Training will end at 1530hrs on Nov 7, 2008 and transportation the San Jose Airport will be provided for those departing that evening. Those traveling from the San Francisco Airport on Nov 7, or traveling from either airport on Nov 8, 08 will need to arrange their own shuttles

NOTE: This site is a secure federal government base and temporary passes will be provided. US citizenship and a state drivers license or other appropriate ID is required (proof of citizenship is not required) Transportation to and from the training site and the Main Lodge or Annex will be provided, and all students will be assigned to a “Team Van” for accountability.

Since the NASA Exchange Lodge is not within the most secure boundary, students may travel to the lodge by private automobile. However, all students must travel to and from the Training Site by the Team Vans. There is ample free (surface) parking at the Main Lodge.

Clothing: students may wear casual clothing during the classroom sessions on Monday, Tuesday, and Friday. Task Force Field gear or other long sleeved clothing as well as normal PPE will be required on Wednesday and Thursday for the shoring and rigging exercises.