

microboone

WBS 1.6 - Experiment Infrastructure: LArTF GPP Project Status



Dixon Bogert

Prepared for the

MicroBooNE Collaboration Meeting 03/14/13

LArTF Construction Progress



- Whittaker has made good progress since my last slide presentation prepared for the November Collaboration Meeting. At the end of February Whittaker was 92% complete by a dollarized evaluation of the work accomplished. The basic structure is complete, and the interior insulating liner panels are complete. The HVAC system is almost complete, the fire suppression system is almost complete, the ICW piping is complete, the fire detection system and electrical conduit installation is nearing completion. Wire pulling in the conduits and circuit breaker installation in the panel-tubs has not begun. The overhead crane is installed, but the electrical service is incomplete. Painting is nearing completion. The installation of an alternate communications duct route has begun. Roof access ladders have been delivered.
- Whittaker was never able to recover from the four week delay resulting from the missing pre-cast section. Fortunately, the winter weather was generally favorable, and the open roof situation did not significantly add to the delay.
- The work necessary for Beneficial Occupancy is largely the completion of the electrical work, upon which the commissioning of other systems depends. .

LArTF Construction Progress



- The alternate duct bank route must also be completed so that required telephone and communications links may be brought to the LArTF. The old duct bank was successfully cut into, hand-hole unit with manhole cover was placed, duct bank excavated to AD/timing hand-hole. Snow and ice has interrupted work, no problem in completing ducts with pull ropes in clean ducts. A lot of water is in the ducts.
- Whittaker was successful with their subcontractor management, and the trades were able to work in parallel in cooperation with each other..
- Post beneficial occupancy planning has continued, and the LArTF staff has continued to work with the rest of the project to adapt, support, and provide requested information to permit pre-planning and pre-assembly of cryogenics and electrical work to proceed. A set of concrete piers was requested and has been installed. This should ease the installation of the exterior cryogenic lines.

- Projected B.O. date : Dixon's Probability Table:

March 15	0%	April 5	60%
March 22	5%	April 12	90%
March 29	20%	April 19	100%

Walking Around the outside 3/13/13 #1



Walking Around the outside 3/13/13 #2



Walking Around the outside 3/13/13 #3



Walking Around the outside 3/13/13 #4



Walking Around the outside 3/13/13 #5



Walking Around the outside 2/25/13



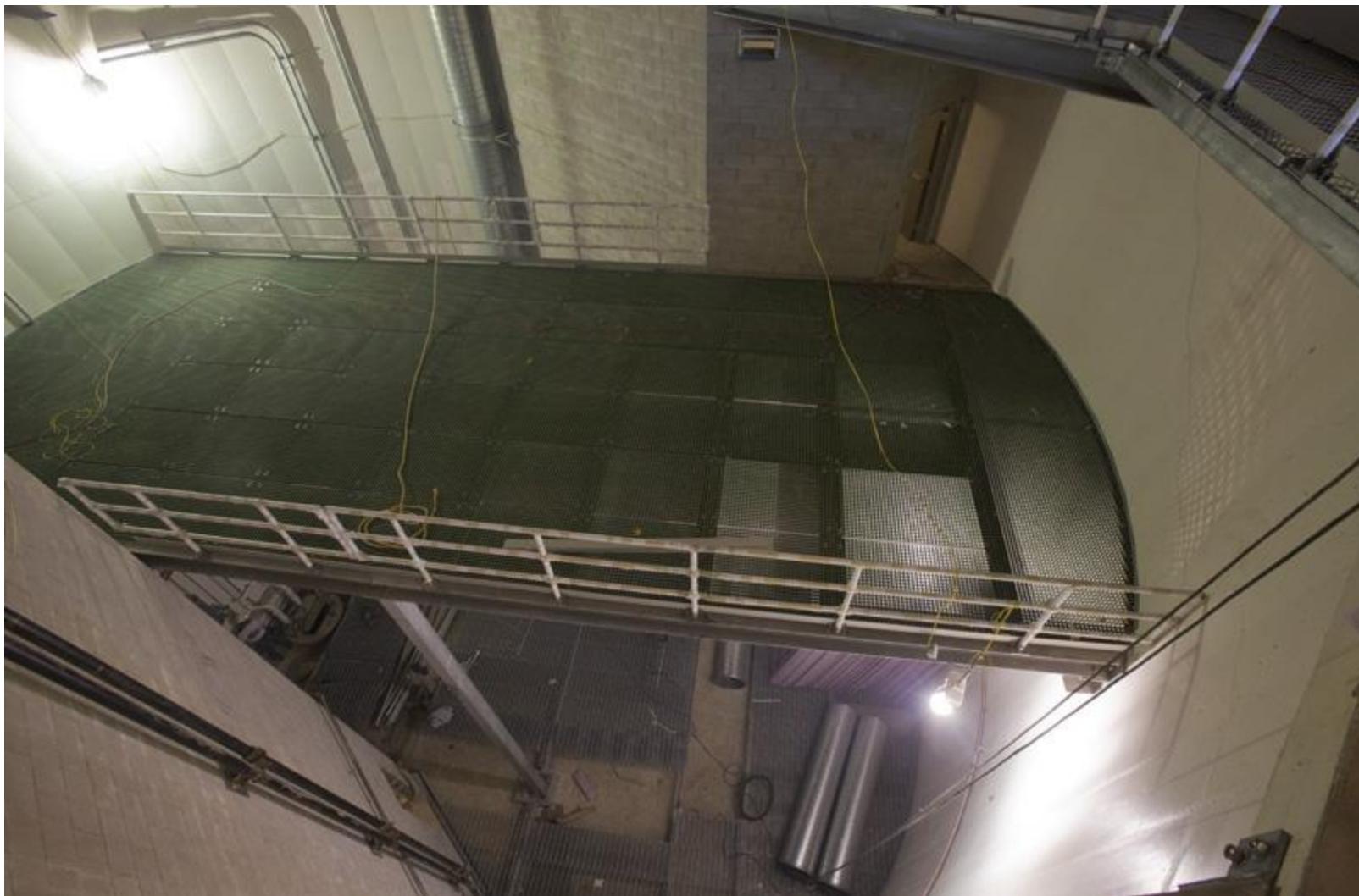
Flying In 1st of 2 Roof Sections 2/14/13



The Two Roof Sections in Place



Interior Structures - Platform



Interior Structures - Platform



Interior Structures - Platform



Interior Structures - Platform



Interior Structures - Platform



Interior Structures – Pit Grating



Interior Structures - Crane



Interior Structures – Crane and Crane way



Interior – HVAC –Emergency Exhaust



Interior – Electronics Room



Electrical Installation – Conduit and Tubs



Electrical Installation – Conduit and Tubs



Electrical Installation – Conduit and Tubs



Electrical Installation – Conduit and Tubs



Exterior – Roof Access Ladders Here



Exterior – Cryo Support Piers Built



Exterior – Cryo Support Piers Built



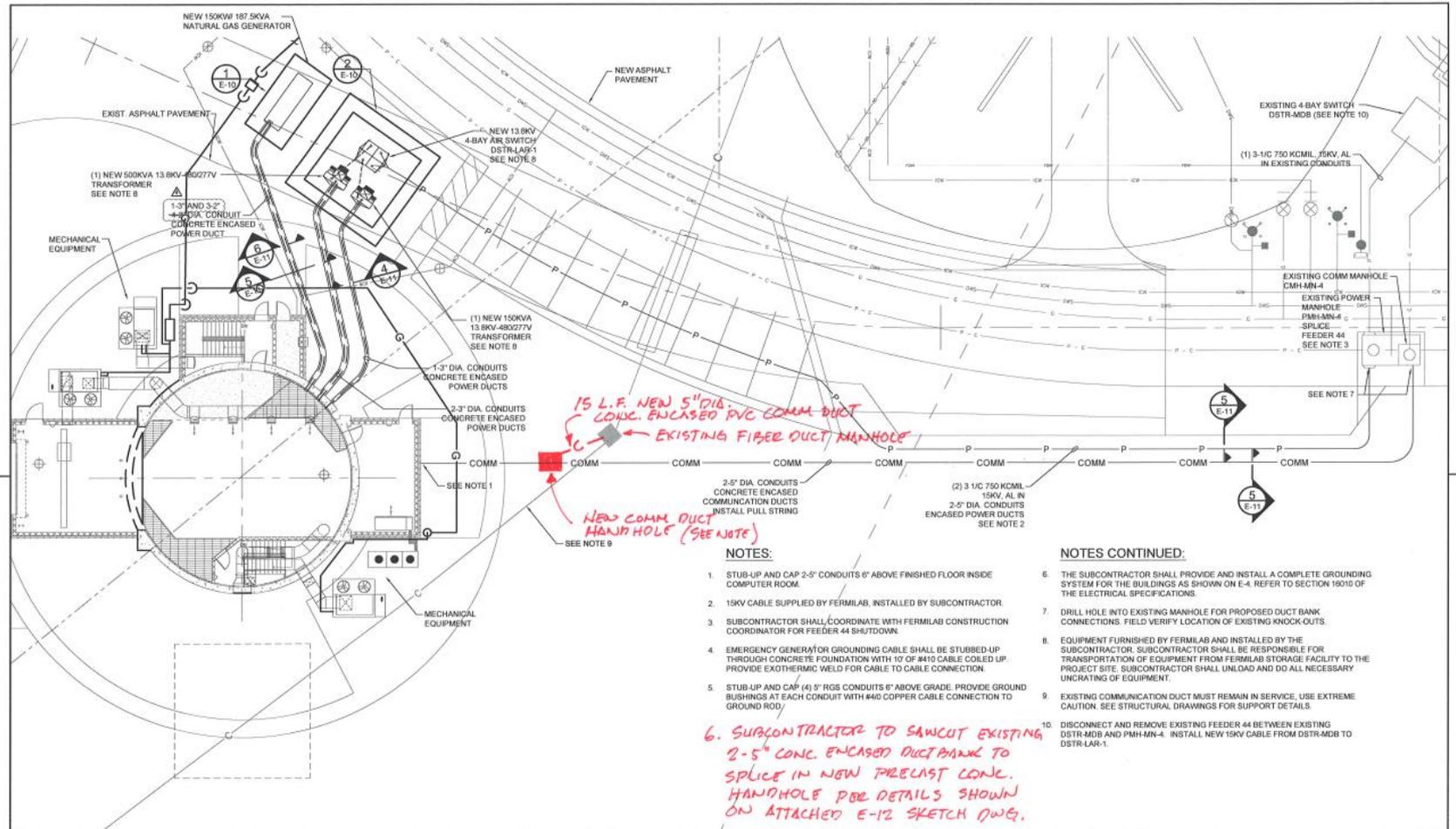
Exterior – Cryo Support Piers Built



Controls Duct Bank 9/25/12



Controls Duct Bank Reroute Required



REV	DATE	DESCRIPTION	REVISIONS
B1712		REVISION CONDUCTOR	
1/15/11		ISSUED FOR CONSTRUCTION	

CMT
 CHARLOTTE WATKINS & TULLY, INC.
 CONSULTING ENGINEERS

300 NORTH COMMONS DRIVE
 SUITE 110
 AURORA, ILLINOIS
 60504
 (630) 655-1033
 (630) 620-8360 FAX

DESIGNED	NAME	DATE
DRAWN	A. BAJWA	08-29-11
CHECKED	A. SCHWEIG	08-29-11
APPROVED	C. FEDEROWICZ	08-29-11
SUBMITTED	R. ONTIGSEN	08-29-11
	R. RAMEIKA	08-17-12

PROJECT NORTH

SCALE:
 1" = 10'-0"
 SCALE

FERMI NATIONAL ACCELERATOR LABORATORY
 UNITED STATES DEPARTMENT OF ENERGY

LArTF
ELECTRICAL SITE PLAN

DRAWING NO. **6-7-82** **E-2** REV 4

29 AUG 2011

Controls Duct Bank Reroute Status 3/13/13



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