



Installation Schedule Constraints

Schedule Constraints
July 18, 2001
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Critical installation schedule constraints (besides component availability) include:

- Most important: Completion of new facility - tunnels and halls [ongoing construction] and service buildings / outfitting [after tunnels and halls].
 - Projected completion range - T&H: 05/02 - 10/02;
Outfit & SB: 06/03 - 02/04
- Main Injector interface:
 - Project low duty cycle power capability for HV101 during '02 to understand compatibility with Recycler. LCW is later.
 - Kickers and Lambertsons: hold currently due to funding profile and also postpone installation of new MI aperture limitations.



Schedule Constraints (continued)

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- NuMI Stub Installation:
 - Need completion of T & H and underground outfitting, as these efforts protected by MI shield wall - wall must be removed to initiate this installation. Then, can be done either during shorter downtimes, as for upstream region, or *much better* during an extended MI shutdown of several months (2004)
- Carrier tunnel:
 - Utilities and vacuum pipe only. Project during outfitting - late 2003. If no MI shutdown, can install from Pre-target side with shield wall in place.
- Pre-target:
 - After beneficial occupancy. Can install during MI operation.
 - Shared shaft crane with critical path target hall installation; ample tunnel space to stage components initially and then install in parallel with target hall.