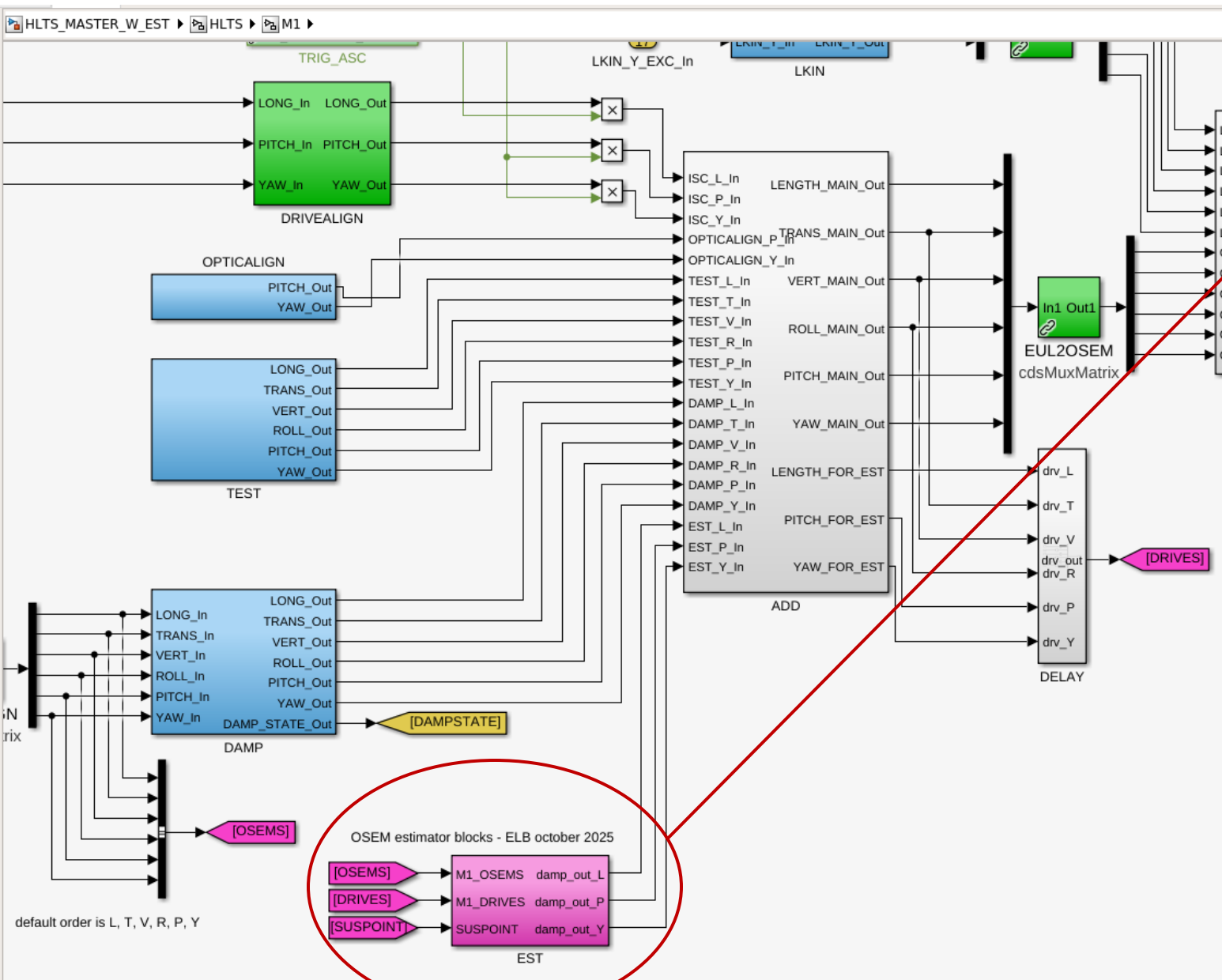
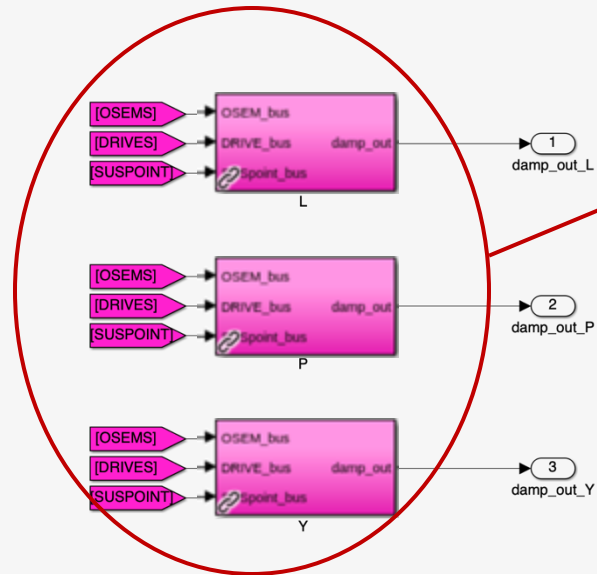
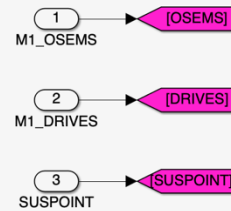




Summary of changes: SIXOSEM_T_STAGE_MASTER_W_EST.mdl

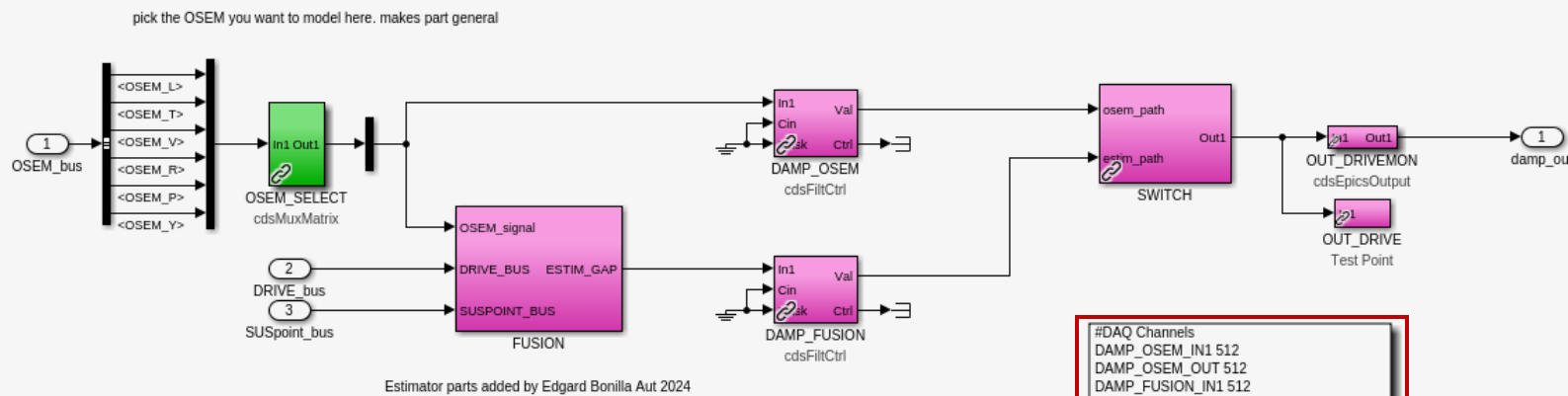
- Added single EST block that houses all estimators.



Summary of changes:

SIXOSEM_T_STAGE_MASTER_W_EST.mdl

- Added single EST block that houses all estimators.
 - Inside the block, there are estimator parts for L, P, and Y.



Summary of changes: SIXOSEM_T_STAGE_MASTER_W_EST.mdl

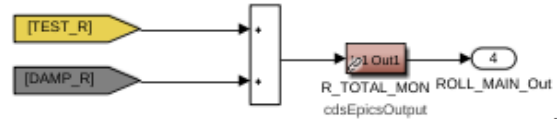
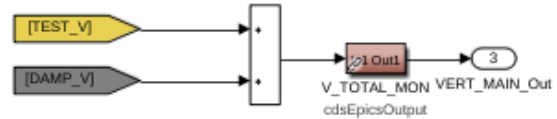
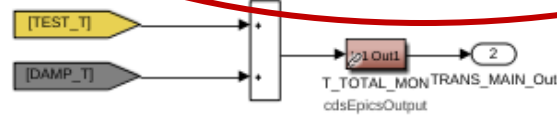
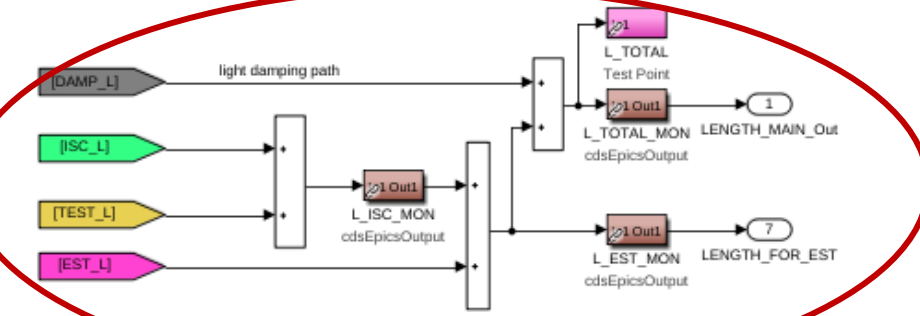
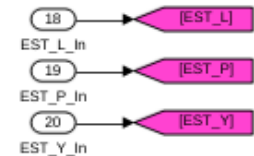
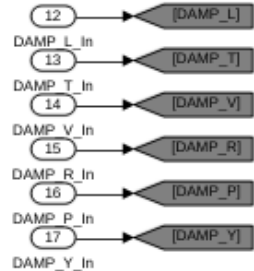
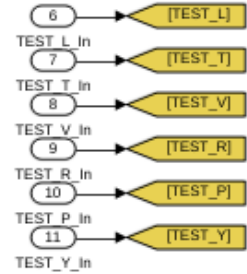
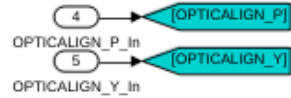
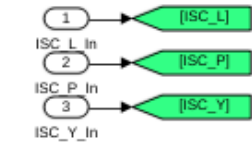
- Added single EST block that houses all estimators.
 - Inside the block, there are estimator parts for L, P, and Y.
 - Since the L part is new, we get extra DQ channels for it.

```
#DAQ Channels
DAMP_OSEM_IN1 512
DAMP_OSEM_OUT 512
DAMP_FUSION_IN1 512
DAMP_FUSION_OUT 512
OUT_DRIVE 512

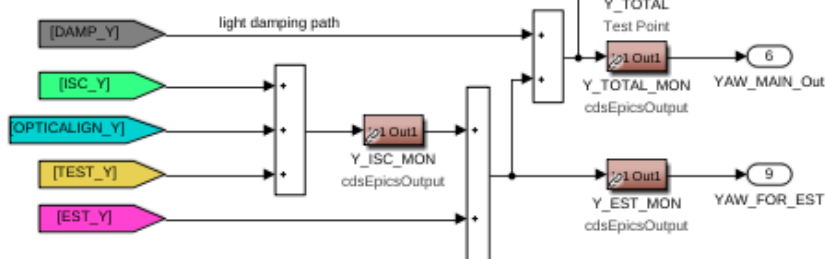
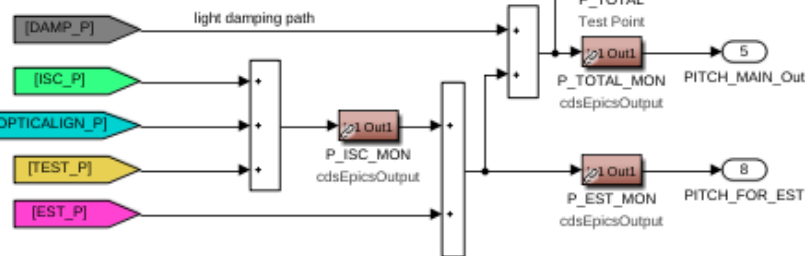
FUSION_MEAS_BP_IN1 512
FUSION_MEAS_BP_OUT 512
FUSION_MODL_BP_IN1 512
FUSION_MODL_BP_OUT 512
FUSION_GAP 512

# drive model channels
FUSION_MODL_DRV_L_2GAP_IN2 512
FUSION_MODL_DRV_L_2GAP_OUT 512
FUSION_MODL_DRV_T_2GAP_IN2 512
FUSION_MODL_DRV_T_2GAP_OUT 512
FUSION_MODL_DRV_V_2GAP_IN2 512
FUSION_MODL_DRV_V_2GAP_OUT 512
FUSION_MODL_DRV_R_2GAP_IN2 512
FUSION_MODL_DRV_R_2GAP_OUT 512
FUSION_MODL_DRV_P_2GAP_IN2 512
FUSION_MODL_DRV_P_2GAP_OUT 512
FUSION_MODL_DRV_Y_2GAP_IN2 512
FUSION_MODL_DRV_Y_2GAP_OUT 512
FUSION_MODL_DRV_SUM 512

# SUSpoint model channels
FUSION_MODL_SUSP_L_2GAP_IN2 512
FUSION_MODL_SUSP_L_2GAP_OUT 512
FUSION_MODL_SUSP_T_2GAP_IN2 512
FUSION_MODL_SUSP_T_2GAP_OUT 512
FUSION_MODL_SUSP_V_2GAP_IN2 512
FUSION_MODL_SUSP_V_2GAP_OUT 512
FUSION_MODL_SUSP_R_2GAP_IN2 512
FUSION_MODL_SUSP_R_2GAP_OUT 512
FUSION_MODL_SUSP_P_2GAP_IN2 512
FUSION_MODL_SUSP_P_2GAP_OUT 512
FUSION_MODL_SUSP_Y_2GAP_IN2 512
FUSION_MODL_SUSP_Y_2GAP_OUT 512
FUSION_MODL_SUSP_SUM 512
```

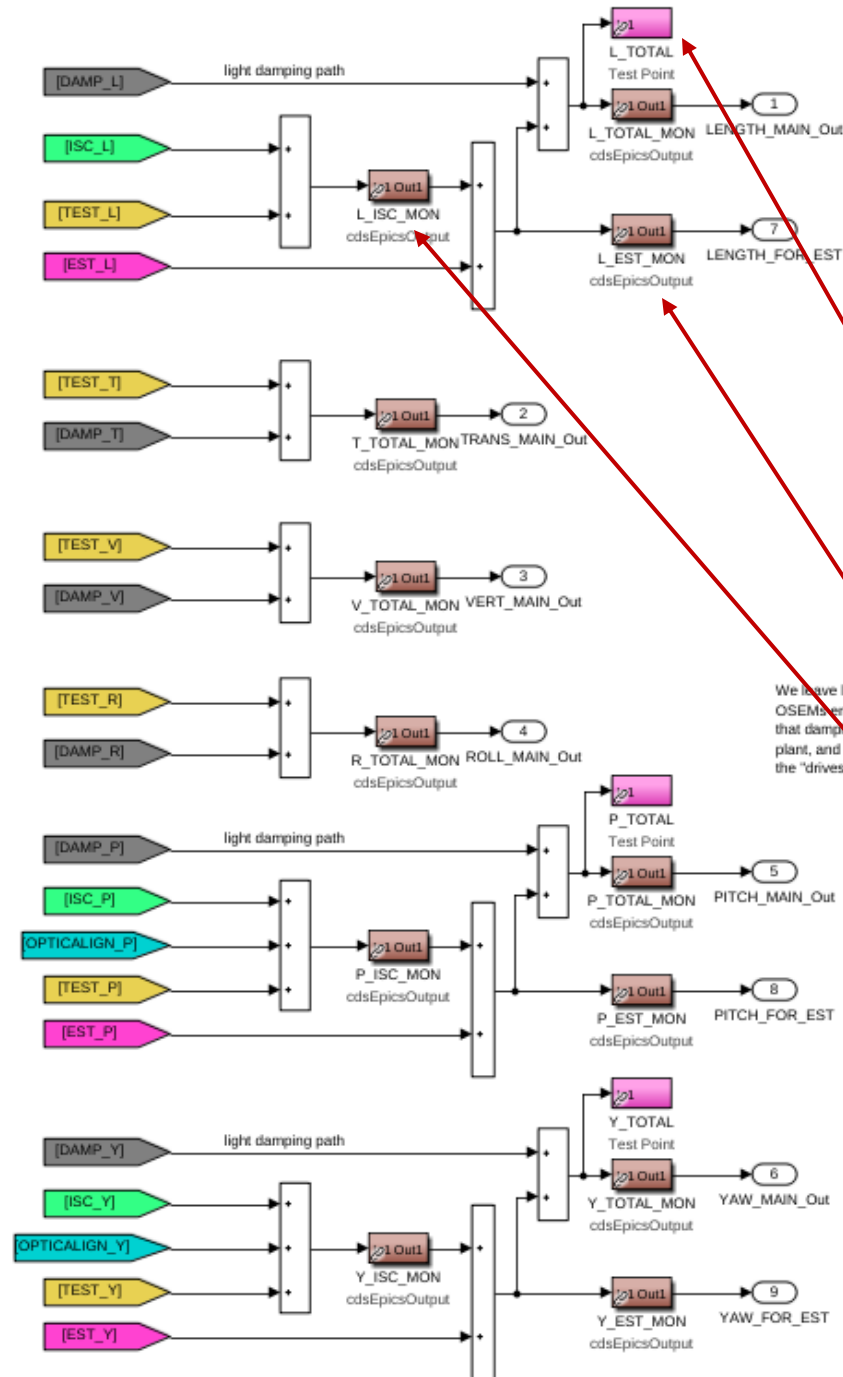
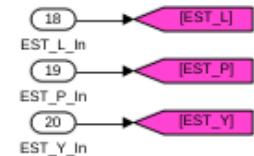
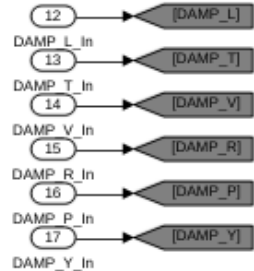
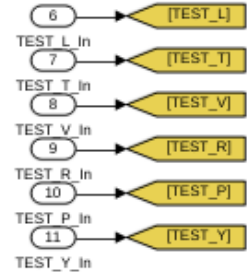
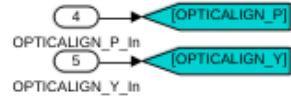
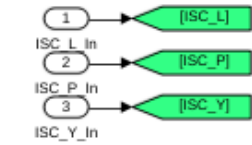


We leave light damping from the OSEMs engaged during the plant ID, so that damping is part of the modelled plant, and should not be monitored by the "drives" applied to the SUS



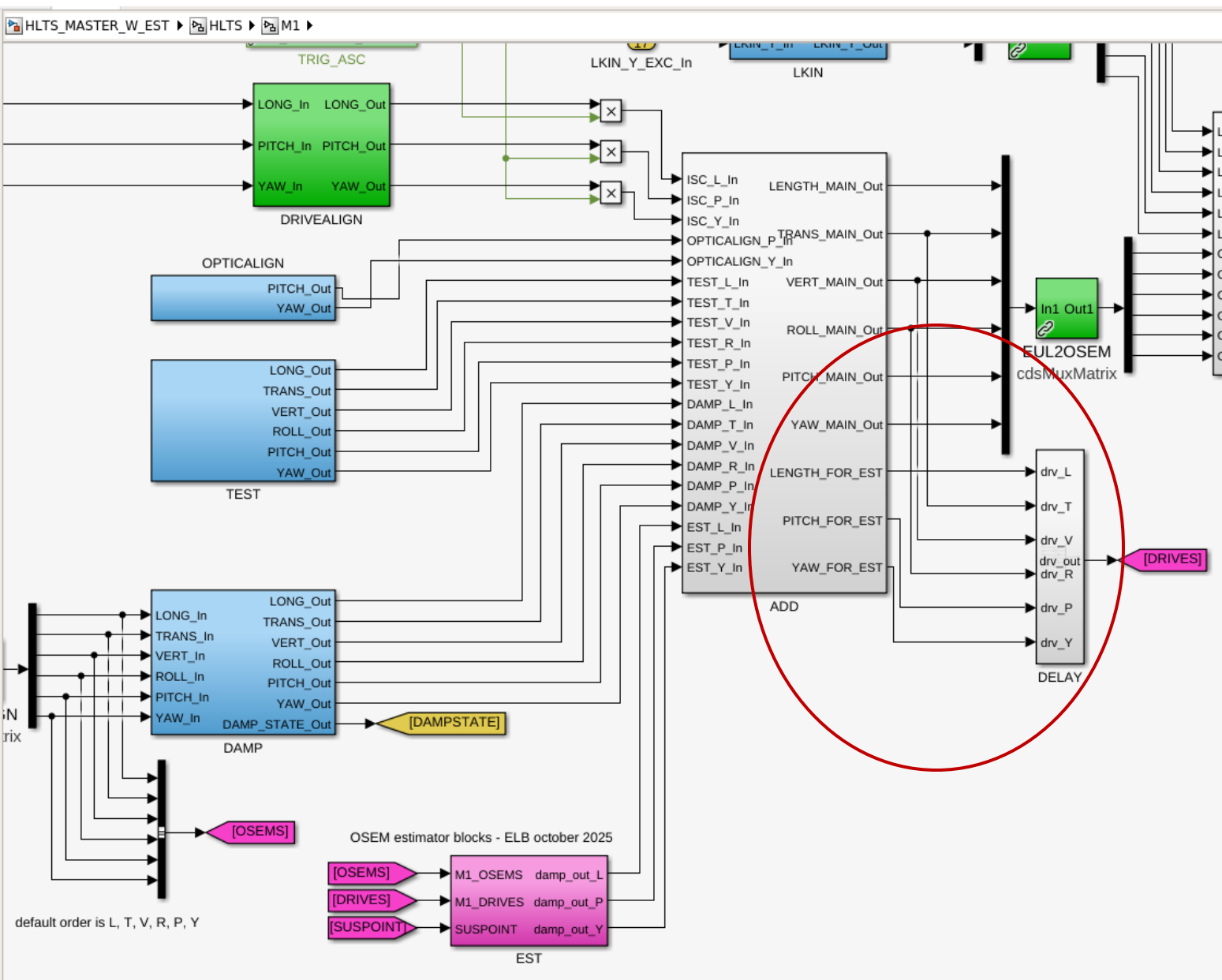
Summary of changes: SIXOSEM_T_STAGE_MASTER_W_EST.mdl

- Added single EST block that houses all estimators.
 - Inside the block, there are estimator parts for L, P, and Y.
 - Since the L part is new, we get extra DQ channels for it.
- Added infrastructure to split the M1_L drive into a 'light damping' and estimator paths inside the ADD block.



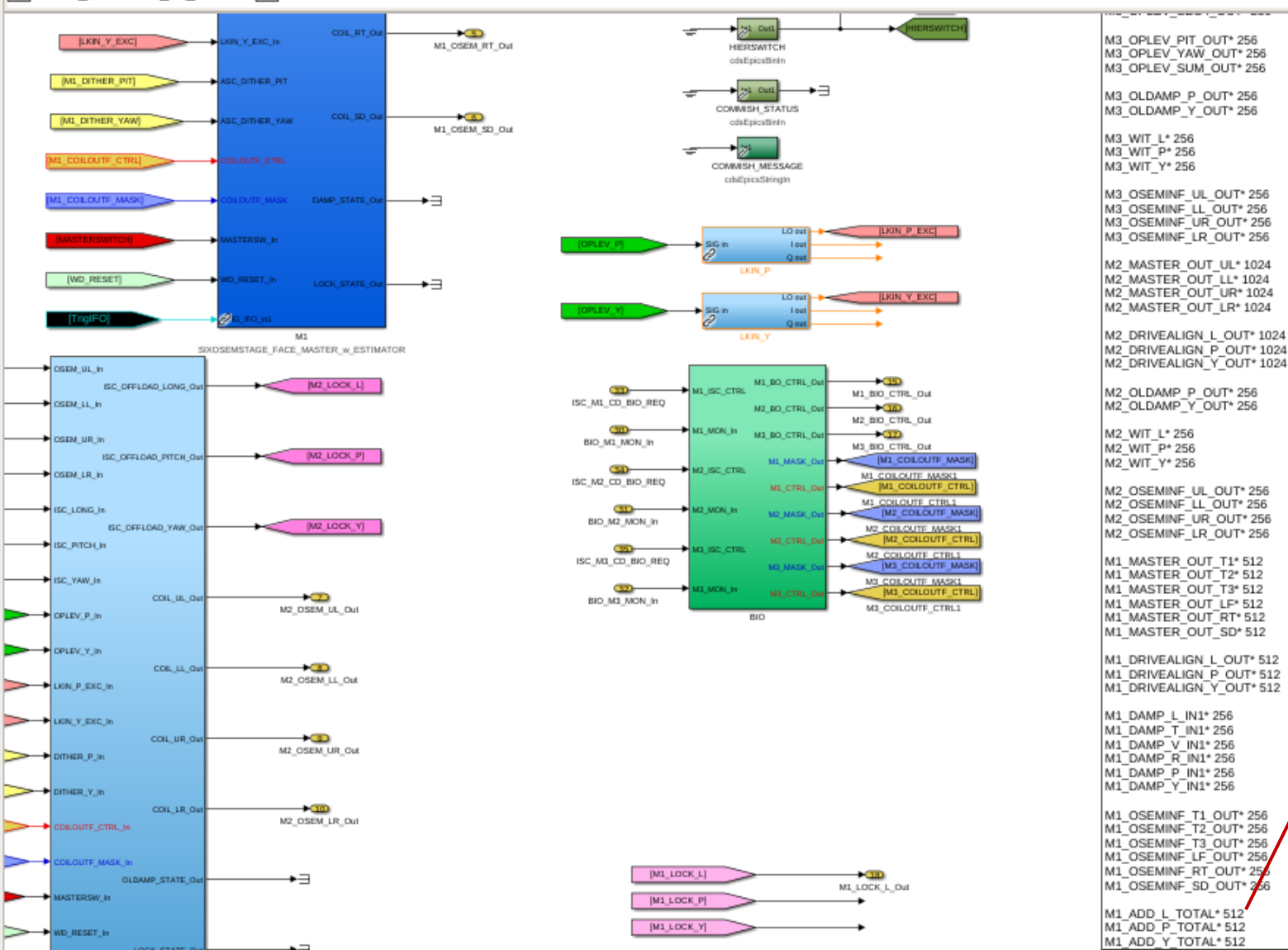
Summary of changes: SIXOSEM_T_STAGE_MASTER_W_EST.mdl

- Added single EST block that houses all estimators.
 - Inside the block, there are estimator parts for L, P, and Y.
 - Since the L part is new, we get extra DQ channels for it.
- Added infrastructure to split the M1_L drive into a 'light damping' and estimator paths inside the ADD block.
- Includes a new testpoint: ADD_L_TOTAL
- Includes two new EPICS monitors: ADD_L_ISC_MON and, L_EST_MON.



Summary of changes: SIXOSEM_T_STAGE_MASTER_W_EST.mdl

- The output that goes to the estimator has been modified. Now LENGTH_FOR_EST goes into the delay block.



Summary of changes: HLTS_MASTER_W_EST.mdl

- Added a 512 Hz DQ channel to the top level: M1_ADD_L_TOTAL_DQ.