Group 1:

* The car has to be able to still have LMS when theres no lane markings-what should happen if the car can’t identify lane markings?
  + There should be a notification to the user that the LMS is turning off and the driver has full control
* How should LMS take control of the system and should the driver be able to take control, and how?
  + There will be a control for the driver to turn the LMS on/off
* What type of vehicles?
  + Consumer vehicles
* How would LMS function on highway speeds compared to roadway speeds
  + Functionality is the same
  + Threshold is 35 mph for when LMS should be activated

Group 2:

* Camera positioning
  + Look at most optimal positioning and cameras should be as minimal as possible
* The subsystems in the doc
  + Camera - assume the camera will tell you where the lane is
  + Image - automatic
  + Path prediction - returning the straight line to help the lane centering system
* Collision detection system?
  + Only meant for side to side and keeping you in the lane
  + Forward collision out of scope
* Communication between driver and LMS
  + Warnings when nearing the edge and not in the center
  + Serious warning when departing the lane
  + When the keeping system is taking over, some signal that the vehicle is in control
* Is the LMS supposed to expect from driver
  + Autonomous system, the driver has the ability to choose if they want to use LMS
* Potential side swipe/lane infringement - discern between infringement or lane departure
  + ??
  + Let the driver know something is happening and allow capability for driver to take over
* Firmware/software updates
  + All software updates should be handled wirelessly
* Transition from having lane lines to no lane lines, how should LKS behave?
  + ??

Group 3:

* Distance from lane markers before LMS kicks in
  + Lane centering provided by path prediction system
    - When it leaves it, it is a trigger to the departure warning
    - .2 meters of the lane line
* LMS activation around curves, should it slow down vehicle?
  + Falls in with out of line warning, tries to move the car back in the lane
    - Might have to control the sped
* Should the system be able to keep track of vehicles trying to come into our lane?
  + Yes, this can help with the proximity sensors
  + If there is a threat like that we should be able to encompass that
  + If this system can help avoid that then that would be good
* Should the system stay on when the car can only see one side of lane markers?
  + No because your path would be off and the lane width is inconspicuous
* If the lane is skinnier how should that affect the LMS?
  + The threshold should change proportionally
* How should the system work at night?
  + Look at hardware/cameras for possible changes, but if the lane is not visible, the LMS should not be working