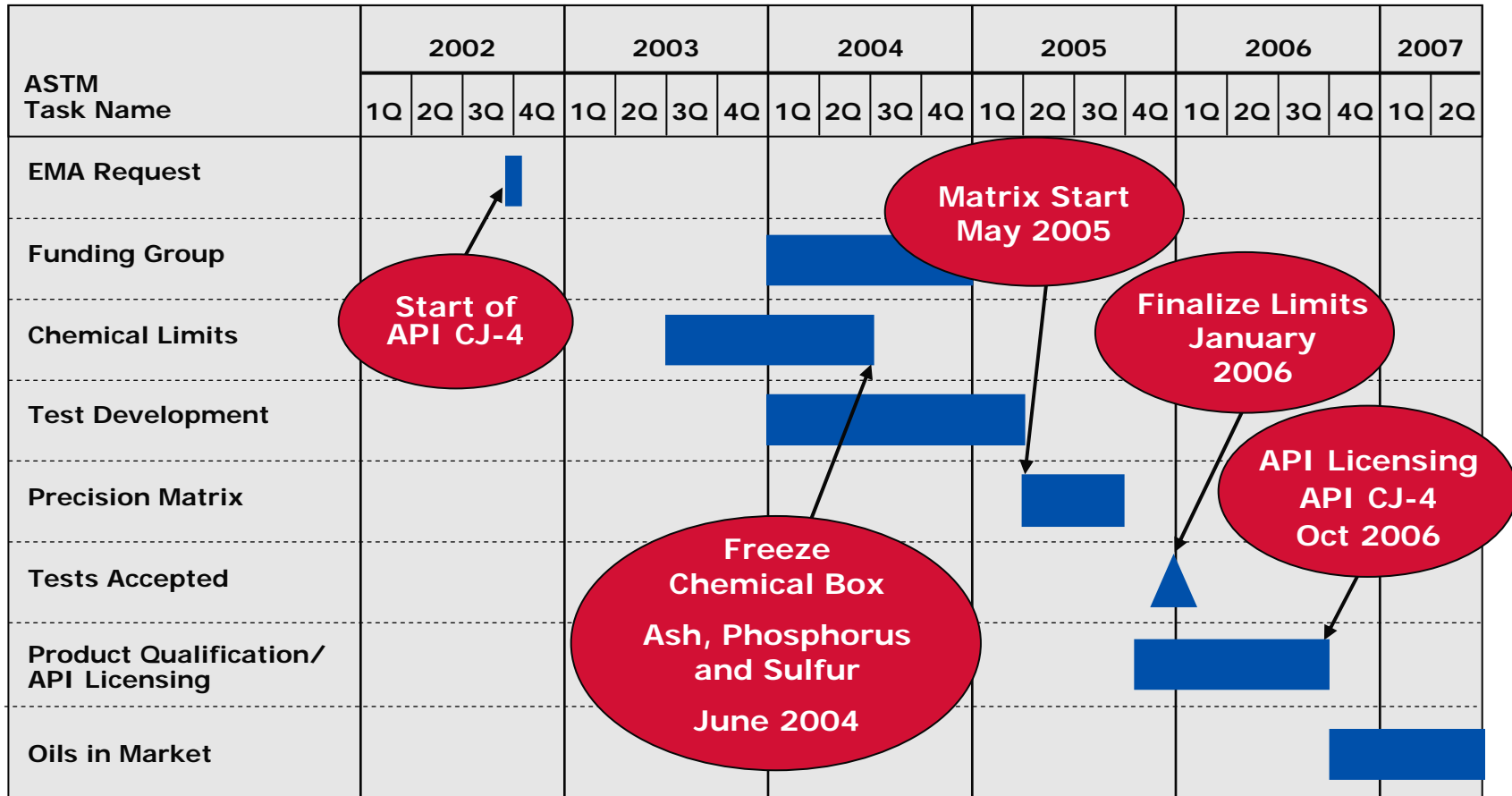




Five Years to Develop API CJ-4



\$5.5 Million Dollars Total Test Cost



Driver for New HDMO Category

- Fuel Economy → Lower J300 HT/HS
- Replacement of Existing Engine Tests
- Biodiesel
- Chemical Box
- Timing – 2014-2015