IRI SMOOTHNESS CRITERIA

New Construction:
Target (**TV**) = 41
XX = 39; **YY** = 43 Incentive Constant (**IC**) = 3750 Disincentive Constant (**DC**) = 1200

Divided Highways and similar roads with at least two leveling operations and final lift is an FC:
Target (**TV**) = 39
XX = 37; **YY** = 49 Incentive Constant (**IC**) = 2700 Disincentive Constant (**DC**) = 1200

All Highways with one leveling operation of an FC:
Target (**TV**) = (0.6) x (Average existing smoothness)
Upper limit of TV = 68 Lower limit of TV = 45
XX = TV – 2; **YY** = TV + 10
Incentive Constant (**IC**) = 2700 Disincentive Constant (**DC**) = 1200

All Highways with mill and FC:
Target (**TV**) = (0.6) x (Average existing smoothness)
Upper limit of TV = 57 Lower limit of TV = 40
XX = TV – 2; **YY** = TV + 10
Incentive Constant (**IC**) = 2700 Disincentive Constant (**DC**) = 1200

Non-Divided highways with at least two leveling operations and final lift is an FC:
Target (**TV**) = 45
XX = 43; **YY** = 55 Incentive Constant (**IC**) = 2700 Disincentive Constant (**DC**) = 1200

Non-Divided highways with at least two leveling operations when the final lift is not an FC:
Target (**TV**) = 51
XX = 49; **YY** = 61 Incentive Constant (**IC**) = 2700 Disincentive Constant (**DC**) = 1200

Non-Divided highways with one leveling operation (not an FC):
Target (TV) = 62
XX = 60; YY = 72 Incentive Constant (IC) = 2700 Disincentive Constant (DC) = 1200

Correction Value (CV) = TV + 45

MAX: A single dollar amount which is determined and specified as the total smoothness incentive for the project.

LMAX: New Construction ≤ $11,000 per tested lane-mile (≤ $1.56 /SY)
2 leveling operations ≤ $9,000 per tested lane-mile (≤ $1.28 /SY)
1 leveling operations ≤ $7,000 per tested lane-mile (≤ $0.99 /SY)

NOTE:

TV, XX, and YY values may need to be adjusted for a specific project based on the work being done, roadway geometrics, and the existing smoothness levels. When FC is shown, it indicates either an AR-ACFC or ACFC. Special provisions will only show the values for XX, YY, IC, DC, CV, and MAX or LMAX. Determination of existing smoothness level and the resulting TV, XX, and YY values are done prior to contract and shall not be subject to adjustment or dispute after project award.