## Attachment 2:

## Microsoft SQL Server Code Used to Implement the Regression Equation

```
SELECT T1.CLLI,
        T1.TotalLocations,
        EXP( P.Intercept
            + P.LOG_CLLIRoadft*T1.LOG_CLLIRoadft
            + P.LOG_BizLocs_SQ*T1.LOG_BizLocs_SQ
            + P.LOG_LocDensity*T1.LOG_LocDensity
            + P.LOG_NearestCOft * T1.LOG_NearestCOft
            + P.LOG_TOTAL_LOCS * T1.LOG_TOTAL_LOCS
            + P.LOG_TOTAL_LOCS_SQ * T1.LOG_TOTAL_LOCS_SQ)-1
         TotalCost

FROM (
SELECT   CLLI
        ,HH+BusinessLocations as TotalLocations
        ,LOG(BusinessLocations+1)*LOG(BusinessLocations+1) LOG_BizLocs_SQ
        ,LOG(CLLIRoadft+1) LOG_CLLIRoadft
        ,LOG(LocationDensity+1) LOG_LocDensity
        ,Case WHen NearestCOFt IS null Then 0 Else LOG(IND.NearestCOft+1) end
    LOG_NearestCOft
        ,LOG(TotalLocs+1) LOG_TOTAL_LOCS
            ,LOG(TotalLocs+1)*LOG(TotalLocs+1) LOG_TOTAL_LOCS_SQ
FROM (
SELECT IND.CLLI
      ,CLLIRoadft
      ,HH
      ,BusinessLocations
      ,LocationDensity
      ,IND.NearestCOft
      ,(HH+BusinessLocations) TotalLocs
FROM HCPM_Regression.dbo.Independent_TA700 IND
    ) IND
) T1
CROSS JOIN HCPM_Regression.dbo.tblParameters_D P
```