**Life Cycle Maintenance Plan**

It is anticipated that the installation of the ITS infrastructure along the Fry Road corridor will greatly reduce the overall maintenance requirement of the signal operation systems. The combination of the fiber optic connectivity and advance transportation management system, technicians and operators will be able to quickly identify potential issues and resolve it before it exacerbates and affect other components of the overall signal operation.

The overall maintenance plan for the ITS infrastructures is shown in the table below, projected 5 years after installation. It is anticipated that the infrastructure life span will be greater than 5 years and the maintenance plan will continue as shown for the entire life cycle.

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Operating/Maintenance Expenditures** | **Fiscal Year (Sept 1 - Aug 31)** | | | | | **Project Total** |
| 2021 | 2022 | 2023 | 2024 | 2025 |
| Traffic Signal System | $25,000 | $25,000 | $25,000 | $25,000 | $25,000 | **$125,000** |
| Communication Network | $15,000 | $15,000 | $15,000 | $15,000 | $15,000 | **$75,000** |
|  |  |  |  |  |  | **---** |
|  |  |  |  |  |  | **---** |
| **Total Expenditures** | $40,000 | $40,000 | $40,000 | $40,000 | $40,000 | **$200,000** |
| **$200,000** | | | | |
| **Revenues** |  | | | | | |
|  |  |  |  |  |  | **---** |
|  |  |  |  |  |  | **---** |
|  |  |  |  |  |  | **---** |
|  |  |  |  |  |  |  |
| ***REQUESTED (H-GAC/TxDOT)*** |  |  |  |  |  | ***---*** |
| **Total Revenues** | --- | --- | --- | --- | --- | **---** |
| **---** | | | | |