

# 2017 CMP IMPLEMENTATION MATRIX

|  |  |   |                               | STRATEGIES: Demand Management (Programmatic), Transportation & Land Use Policy     |                       |                     |                  |                              |                               |   |   | STRATEGIES: TRANSIT                |                               |                                   |                            |                        | STRATEGIES: ITS & Access Management - Active Roadway Management |             |   |  |  | STRATEGIES: Physical Roadway Capacity Enhancement |  |                   |                           |   | STRATEGIES: Bicycle & Pedestrian Facilities |                                   |                                    |                                 |                                 |  |                              |  |  |  |
|--|--|---|-------------------------------|--|-----------------------|---------------------|------------------|------------------------------|-------------------------------|---|---|------------------------------------|-------------------------------|-----------------------------------|----------------------------|------------------------|---|-------------|---|--|--|---|--|-------------------|---------------------------|---|---|-----------------------------------|------------------------------------|---------------------------------|---------------------------------|--|------------------------------|--|--|--|
|  |  |   |                               | Improved incident management   | Carpooling Assistance | Flexible Work Hours | Transit Vouchers | Transit Oriented Development | Jobs/Housing Regional Balance | Implement Complete Streets Policy All New Development | High-Density & Mixed-Use Fixed Route Corridor | Amenities to Attract New Ridership | MPO transit service expansion | Regional Transit system Expansion | Bus rapid transit corridor | Park & Ride facilities | Intermodal Hubs   | Transit ITS | Expanded traffic signal timing & coordination - ITS | Traffic Center Operations Enhancements | Traffic signal equipment modernization - ITS | Traveler information devices - ITS                | Communications networks & roadway surveillance - ITS | Access management | Intersection Improvements | Replace intersections with roundabouts & other innovative designs | Deceleration lanes                          | New grade-separated intersections | New travel lanes (general purpose) | New roadway network connections | New off-street multi-use trails | Integrated into TODs, High Density Corridors | Regional Bike/Ped Facilities | Complete Streets on New Facilities & Retrofit or new on-street bicycle |  |  |
| CMS/ITS PROJECTS ALL OR PARTIALLY FUNDED IN 2040 COST FEASIBLE PLAN  |  | 2040 LRTP NEEDS PLAN (cross-referenced in COST FEASIBLE PLAN)           | ESTIMATED TOTAL PROJECT COSTS | FUNDING SOURCE (CMS/ITS PER THE 2040 LRTP)   |                       |                     |                  |                              |                               |   |   |                                    |                               |                                   |                            |                        |   |             |   |  |  |   |  |                   |                           |   |   |                                   |                                    |                                 |                                 |  |                              |  |  |  |
| US41 N of Immokalee Rd   |  | CMS - Intersection Improvement  | \$ 1,000,000                  | Non-CMS/ITS Box Funds  |                       |                     |                  |                              |                               |   |   |                                    |                               |                                   |                            |                        |   |             |   |  |  |   |  |                   |                           |   |   |                                   |                                    |                                 |                                 |  |                              |  |  |  |
| US 41 at Golden Gate Parkway   |  | CMS - Intersection Improvement  | \$ 1,000,000                  | Non-CMS/ITS Box Funds  |                       |                     |                  |                              |                               |   |   |                                    |                               |                                   |                            |                        |   |             |   |  |  |   |  |                   |                           |   |   |                                   |                                    |                                 |                                 |  |                              |  |  |  |
| Airport-Pulling Rd at Pine Ridge Rd  |  | CMS - Intersection Improvement  | \$ 1,000,000                  | Non-CMS/ITS Box Funds  |                       |                     |                  |                              |                               |   |   |                                    |                               |                                   |                            |                        |   |             |   |  |  |   |  |                   |                           |   |   |                                   |                                    |                                 |                                 |  |                              |  |  |  |
| Livingston Rd at Immokalee Rd  |  | CMS - Intersection Improvement  | \$ 1,000,000                  | Non-CMS/ITS Box Funds  |                       |                     |                  |                              |                               |   |   |                                    |                               |                                   |                            |                        |   |             |   |  |  |   |  |                   |                           |   |   |                                   |                                    |                                 |                                 |  |                              |  |  |  |
| Livingston Rd at Pine Ridge Rd   |  | CMS - Intersection Improvement  | \$ 1,000,000                  | Non-CMS/ITS Box Funds  |                       |                     |                  |                              |                               |   |   |                                    |                               |                                   |                            |                        |   |             |   |  |  |   |  |                   |                           |   |   |                                   |                                    |                                 |                                 |  |                              |  |  |  |
| US41 at San Marco Rd (CR-92)   |  | CMS - Intersection Improvement  | \$ 500,000                    | Non-CMS/ITS Box Funds  |                       |                     |                  |                              |                               |   |   |                                    |                               |                                   |                            |                        |   |             |   |  |  |   |  |                   |                           |   |   |                                   |                                    |                                 |                                 |  |                              |  |  |  |
| SR29 at US41   |  | CMS - Intersection Improvement  | \$ 500,000                    | Non-CMS/ITS Box Funds  |                       |                     |                  |                              |                               |   |   |                                    |                               |                                   |                            |                        |   |             |   |  |  |   |  |                   |                           |   |   |                                   |                                    |                                 |                                 |  |                              |  |  |  |
| Livingston Rd at Radio Rd  |  | CMS - Intersection Improvement  | \$ 1,000,000                  | Non-CMS/ITS Box Funds  |                       |                     |                  |                              |                               |   |   |                                    |                               |                                   |                            |                        |   |             |   |  |  |   |  |                   |                           |   |   |                                   |                                    |                                 |                                 |  |                              |  |  |  |
| Livingston Rd at Vanderbilt Beach Rd   |  | CMS - Intersection Improvement  | \$ 1,000,000                  | Non-CMS/ITS Box Funds  |                       |                     |                  |                              |                               |   |   |                                    |                               |                                   |                            |                        |   |             |   |  |  |   |  |                   |                           |   |   |                                   |                                    |                                 |                                 |  |                              |  |  |  |
| Airport-Pulling Rd at US 41  |  | CMS - Intersection Improvement  | \$ 1,000,000                  | Non-CMS/ITS Box Funds  |                       |                     |                  |                              |                               |   |   |                                    |                               |                                   |                            |                        |   |             |   |  |  |   |  |                   |                           |   |   |                                   |                                    |                                 |                                 |  |                              |  |  |  |
| Airport-Pulling Rd at Vanderbilt Beach Rd  |  | CMS - Intersection Improvement  | \$ 1,000,000                  | Non-CMS/ITS Box Funds  |                       |                     |                  |                              |                               |   |   |                                    |                               |                                   |                            |                        |   |             |   |  |  |   |  |                   |                           |   |   |                                   |                                    |                                 |                                 |  |                              |  |  |  |
| Golden Gate Blvd at Wilson Blvd  |  | CMS-Intersection Improvement  | TBD                           | Non-CMS/ITS Box Funds  |                       |                     |                  |                              |                               |   |   |                                    |                               |                                   |                            |                        |   |             |   |  |  |   |  |                   |                           |   |   |                                   |                                    |                                 |                                 |  |                              |  |  |  |
| <b>SUBTOTAL</b>  |  |   | <b>\$ 10,000,000</b>          |  |                       |                     |                  |                              |                               |   |   |                                    |                               |                                   |                            |                        |   |             |   |  |  |   |  |                   |                           |   |   |                                   |                                    |                                 |                                 |  |                              |  |  |  |
| CMS/ITS OPERATIONS - UNFUNDED PRIORITIES IDENTIFIED THROUGH FY 22/23   |  | CMS/ITS COMMITTEE 2016 PRIORITIES                                       | ESTIMATED PROJECT COSTS       | FUNDING SOURCE   |                       |                     |                  |                              |                               |   |   |                                    |                               |                                   |                            |                        |   |             |   |  |  |   |  |                   |                           |   |   |                                   |                                    |                                 |                                 |  |                              |  |  |  |
| Collier County TMC Expansion   |  | Prioritized by Committee but need to look at additional funding sources | \$ 3,611,000                  | CMS/ITS Box & Local/County   |                       |                     |                  |                              |                               |   |   |                                    |                               |                                   |                            |                        |   |             |   |  |  |   |  |                   |                           |   |   |                                   |                                    |                                 |                                 |  |                              |  |  |  |
| <b>SUBTOTAL</b>  |  |   | <b>\$ 3,611,000</b>           |  |                       |                     |                  |                              |                               |   |   |                                    |                               |                                   |                            |                        |   |             |   |  |  |   |  |                   |                           |   |   |                                   |                                    |                                 |                                 |  |                              |  |  |  |
| 2017 CMP UPDATE - NEW STUDIES  |  | NEW CMP 2017 PRIORITIES   | ESTIMATED PROJECT COSTS       | FUNDING SOURCE   |                       |                     |                  |                              |                               |   |   |                                    |                               |                                   |                            |                        |   |             |   |  |  |   |  |                   |                           |   |   |                                   |                                    |                                 |                                 |  |                              |  |  |  |
| Investigate TDM Opportunities, Cost/Benefit  |  | Scope TBD   | TBD                           | UPWP, Grants   |                       |                     |                  |                              |                               |   |   |                                    |                               |                                   |                            |                        |   |             |   |  |  |   |  |                   |                           |   |   |                                   |                                    |                                 |                                 |  |                              |  |  |  |
| Full Build-Out Scenario Testing  |  | Scope TBD   | TBD                           | UPWP, Grants   |                       |                     |                  |                              |                               |   |   |                                    |                               |                                   |                            |                        |   |             |   |  |  |   |  |                   |                           |   |   |                                   |                                    |                                 |                                 |  |                              |  |  |  |
| Regional Park & Ride Study   |  | Scope TBD   | TBD                           | UPWP, Grants   |                       |                     |                  |                              |                               |   |   |                                    |                               |                                   |                            |                        |   |             |   |  |  |   |  |                   |                           |   |   |                                   |                                    |                                 |                                 |  |                              |  |  |  |
| Conduct Biennial Transportation System Performance Report beginning in 2018  |  | Scope TBD   | \$ 90,000                     | UPWP, CMS/ITS Box  |                       |                     |                  |                              |                               |   |   |                                    |                               |                                   |                            |                        |   |             |   |  |  |   |  |                   |                           |   |   |                                   |                                    |                                 |                                 |  |                              |  |  |  |
| Current Practices, additional analysis needed, to Determine Viable Performance Measures, incorporate in Future CMP Updates |  | Scope TBD   | TBD                           | UPWP, Grants   |                       |                     |                  |                              |                               |   |   |                                    |                               |                                   |                            |                        |   |             |   |  |  |   |  |                   |                           |   |   |                                   |                                    |                                 |                                 |  |                              |  |  |  |
| 2017 CMP UPDATE  |  | Reoccurring/Annual Program  | CMS/ITS Box                   | LEGEND - SCHEDULE  |                       |                     |                  |                              |                               |   |   |                                    |                               |                                   |                            |                        |   |             |   |  |  |   |  |                   |                           |   |   |                                   |                                    |                                 |                                 |  |                              |  |  |  |
| Signal timing optimization - County  |  | annual (approx 200 signals)   | \$ 400,000                    | In TIP or UPWP   |                       |                     |                  |                              |                               |   |   |                                    |                               |                                   |                            |                        |   |             |   |  |  |   |  |                   |                           |   |   |                                   |                                    |                                 |                                 |  |                              |  |  |  |
| Keeping Current - Technology Upgrades -County  |  | annual (approx. 200 signals)  | \$ 400,000                    | In LTRTP Needs Plan/Cross-Referenced in Cost Feasible Plan, TD Plan, Pathways Plan |                       |                     |                  |                              |                               |   |   |                                    |                               |                                   |                            |                        |   |             |   |  |  |   |  |                   |                           |   |   |                                   |                                    |                                 |                                 |  |                              |  |  |  |
| Signal timing optimization - City  |  | annual (approx. 50 signals)   | 80,000                        | In LTRTP Needs Plan/Cross-Referenced in Cost Feasible Plan, TD Plan, Pathways Plan |                       |                     |                  |                              |                               |   |   |                                    |                               |                                   |                            |                        |   |             |   |  |  |   |  |                   |                           |   |   |                                   |                                    |                                 |                                 |  |                              |  |  |  |
| Technology Upgrades - City   |  | annual (approx. 50 signals)   | \$ 80,000                     | In LTRTP Needs Plan/Cross-Referenced in Cost Feasible Plan, TD Plan, Pathways Plan |                       |                     |                  |                              |                               |   |   |                                    |                               |                                   |                            |                        |   |             |   |  |  |   |  |                   |                           |   |   |                                   |                                    |                                 |                                 |  |                              |  |  |  |
| Bus Shelters - 6 Countywide or Transit ITS Projects  |  | annual  | \$ 210,000                    | In LRTP Unfunded Needs Plan  |                       |                     |                  |                              |                               |   |   |                                    |                               |                                   |                            |                        |   |             |   |  |  |   |  |                   |                           |   |   |                                   |                                    |                                 |                                 |  |                              |  |  |  |
| Ped/Bike Improvements at Transit Hub - City or County  |  | annual  | \$ 290,000                    | In LRTP Unfunded Needs Plan  |                       |                     |                  |                              |                               |   |   |                                    |                               |                                   |                            |                        |   |             |   |  |  |   |  |                   |                           |   |   |                                   |                                    |                                 |                                 |  |                              |  |  |  |
| Special projects/studies & for cost over runs  |  | annual  | \$ 193,600                    | Candidate for Future Study   |                       |                     |                  |                              |                               |   |   |                                    |                               |                                   |                            |                        |   |             |   |  |  |   |  |                   |                           |   |   |                                   |                                    |                                 |                                 |  |                              |  |  |  |
| <b>Total Annual Program</b>  |  |   | <b>\$ 1,653,600</b>           |  |                       |                     |                  |                              |                               |   |   |                                    |                               |                                   |                            |                        |   |             |   |  |  |   |  |                   |                           |   |   |                                   |                                    |                                 |                                 |  |                              |  |  |  |