

# Cycle 6 NPS / RIP Route ID Report

(Numerical By Summary Route and Subcomponent #)



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## KIMO Kings Mountain National Military Park

### ROAD INVENTORY (1100 SERIES FMSS LOCATIONS)

| Route No. | Cycle Collected | Iteration Collected | FMSS Number | Concession | Route Description          |  | Maintenance District   | FLTP | Paved Miles | Unpaved Miles | Total Mileage | Functional Class | Area (SQ FT) | Surf. Type | Area Map |   |
|-----------|-----------------|---------------------|-------------|------------|----------------------------|--|--|------|-------------|---------------|---------------|------------------|--------------|------------|----------|---|
|           |                 |                     |             |            | From                       | To   |  |      |             |               |               |                  |              |            |          |   |
| 0010      | 6               | 1                   | 42951       |            | MAIN PARK DRIVE            | FROM WEST PARK BOUNDARY AT PAVEMENT CHANGE / END OF ROUTE 5216 (NORTH CAROLINA 216 S / SOUTH CAROLINA S-11-85) | TO EAST PARK BOUNDARY AT PAVEMENT CHANGE / BEGINNING OF ROUTE 5021 (PARK ROAD) |      | YES         | 2.82          | 0.00          | 2.82             | 1            |            | AS       | 1 |
| 0100      | NC              |                     | 54279       |            | EAST YORK-SHELBYVILLE ROAD | FROM ROUTE 0010 (MAIN PARK DRIVE)  | TO ROUTE 0102 (HUFFMAN ROAD) AND ROUTE 0103 (VAN DYKE ROAD)                    |      | NO          | 0.00          | 0.93          | 0.93             | 6            |            | NV       | 1 |
| 0101      | 6               | 1                   | 54280       |            | PIEDMONT ROAD              | FROM ROUTE 0010 (MAIN PARK DRIVE)  | TO PARK BOUNDARY   |      | NO          | 0.00          | 1.09          | 1.09             | 1            |            | GR       | 1 |
| 0102      | NC              |                     | 54281       |            | HUFFMAN ROAD               | FROM ROUTE 0100 (EAST YORK-SHELBYVILLE ROAD)   | TO PARK BOUNDARY   |      | NO          | 0.00          | 0.26          | 0.26             | 6            |            | NV       | 1 |
| 0103      | NC              |                     | 54282       |            | VAN DYKE ROAD              | FROM ROUTE 0100 (EAST YORK-SHELBYVILLE ROAD)   | TO PARK BOUNDARY   |      | NO          | 0.00          | 0.22          | 0.22             | 6            |            | NV       | 1 |
| 0400      | NC              |                     | 54283       |            | WEST YORK-SHELBYVILLE ROAD | FROM ROUTE 0010 (MAIN PARK DRIVE)  | TO PARK BOUNDARY   |      | NO          | 0.00          | 0.99          | 0.99             | 6            |            | NV       | 1 |
| 0401      | NC              |                     | 54285       |            | DELLINGHAM ROAD            | FROM ROUTE 0402 (HOWSER HOUSE ROAD)  | TO LOOKOUT TOWER ROAD  |      | NO          | 0.00          | 0.96          | 0.96             | 6            |            | NV       | 1 |
| 0402      | NC              |                     | 54284       |            | HOWSER HOUSE ROAD          | FROM ROUTE 5000 (S-11-86 / ROCK HOUSE ROAD)  | TO PARK BOUNDARY   |      | NO          | 0.00          | 0.47          | 0.47             | 6            |            | NV       | 1 |
| 0405      | NC              |                     | 54286       |            | BROWNS MOUNTAIN ROAD       | FROM LOOKOUT TOWER ROAD  | TO BROWNS MOUNTAIN   |      | NO          | 0.00          | 0.89          | 0.89             | 6            |            | NV       | 1 |
| 0406ZZ    | NC              |                     | 54291       |            | SEWER PLANT ROAD           | FROM ROUTE 0900 (VISITOR CENTER PARKING)   | TO SEWER PLANT   |      | NO          | 0.00          | 0.27          | 0.27             | 6            |            | GR       | 1 |
| 0407      | NC              |                     | 54292       |            | WHITWORTH FIRE ROAD        | FROM ROUTE 0010 (MAIN PARK DRIVE) AT MP 1.36 ON RIGHT  | TO PARK BOUNDARY   |      | NO          | 0.00          | 0.30          | 0.30             | 6            |            | NV       | 1 |
| 0408      | NC              |                     | 54293       |            | HORSE TRAIL ACCESS ROAD    | FROM ROUTE 0010 (MAIN PARK DRIVE) AT MP 2.08 ON RIGHT  | TO PARK BOUNDARY   |      | NO          | 0.00          | 0.62          | 0.62             | 6            |            | NV       | 1 |
| 0410      | NC              |                     | 54295       |            | GORDON CEMETERY ROAD       | FROM ROUTE 0101 (PIEDMONT ROAD)  | TO END OF LOOP   |      | NO          | 0.00          | 0.44          | 0.44             | 6            |            | NV       | 1 |

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## KIMO Kings Mountain National Military Park

### ROAD INVENTORY (1100 SERIES FMSS LOCATIONS)

| Route No. | Cycle Collected | Iteration Collected | FMSS Number | Concession | Route Name                    | Route Description                                     |                                   | Maintenance District | FLTP | Paved Miles | Unpaved Miles | Total Mileage | Functional Class | Area (SQ FT) | Surf. Type | Area Map |
|-----------|-----------------|---------------------|-------------|------------|-------------------------------|---|-----------------------------------|----------------------|------|-------------|---------------|---------------|------------------|--------------|------------|----------|
|           |                 |                     |             |            |                               | From  | To                                |                      |      |             |               |               |                  |              |            |          |
| 0413      | NC              |                     | 54298       |            | LEAD LINE ROAD                | FROM ROUTE 0101 (PIEDMONT ROAD)                       | TO END                            |                      | NO   | 0.00        | 1.05          | 1.05          | 6                |              | NV         | 1        |
| 0415      | NC              |                     | 54299       |            | RESERVOIR ROAD                | FROM ROUTE 0010 (MAIN PARK DRIVE) AT MP 1.13 ON RIGHT | TO RESERVOIR                      |                      | NO   | 0.00        | 0.21          | 0.21          | 6                |              | GR         | 1        |
| 0416      | NC              |                     | 54302       |            | ENVIRONMENTAL STUDY ROAD      | FROM ROUTE 0400 (WEST YORK-SHELBYVILLE ROAD)          | TO ROUTE 0402 (HOWSER HOUSE ROAD) |                      | NO   | 0.00        | 0.55          | 0.55          | 6                |              | NV         | 1        |
| 0417      | NC              |                     | 54303       |            | BATTLEFIELD TRAIL ACCESS ROAD | FROM PUMP HOUSE ROAD                                  | TO FIRE ROAD                      |                      | NO   | 0.00        | 0.11          | 0.11          | 6                |              | NV         | 1        |

### NON-NPS ROADS INVENTORY

| Route No. | Cycle Collected | Iteration Collected | FMSS Number | Concession | Route Name                                    | Route Description   |   | Maintenance District | FLTP | Paved Miles | Unpaved Miles | Total Mileage | Functional Class | Area (SQ FT) | Surf. Type | Area Map |
|-----------|-----------------|---------------------|-------------|------------|---|---|---|----------------------|------|-------------|---------------|---------------|------------------|--------------|------------|----------|
|           |                 |                     |             |            |   | From  | To  |                      |      |             |               |               |                  |              |            |          |
| 5000      | 5               | 1                   |             |            | S-11-86 / ROCK HOUSE ROAD                     | FROM ROUTE 5216 (NORTH CAROLINA 216 S / SOUTH CAROLINA S-11-85)                         | TO STATE HIGHWAY S-11-21 (ANTIOCH ROAD)                     |                      | NO   | 1.99        | 0.00          | 1.99          |                  |              | AS         | 1        |
| 5021      | 5               | 1                   |             |            | PARK ROAD                                     | FROM END OF ROUTE 0010 (MAIN PARK DRIVE) AT EAST PARK BOUNDARY                          | TO SOUTH CAROLINA STATE HIGHWAY 161                         |                      | NO   | 2.87        | 0.00          | 2.87          |                  |              | AS         | 1        |
| 5216      | 5               | 1                   |             |            | NORTH CAROLINA 216 S / SOUTH CAROLINA S-11-85 | FROM INTERSECTION OF NB INTERSTATE 85 RAMP AND NORTH CAROLINA 216 S (BATTLEGROUND ROAD) | TO BEGIN ROUTE 0010 (MAIN PARK DRIVE) AT WEST PARK BOUNDARY |                      | NO   | 2.09        | 0.00          | 2.09          |                  |              | AS         | 1        |

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### PARKING AREA INVENTORY (1300 SERIES FMSS LOCATIONS)

| Route No. | Cycle Collected | Iteration Collected | FMSS Number | Concession | Route Name               | Route Description                          |                                 | Maintenance District | FLTP | Access Level | Area (SQ FT) | Surf. Type | Area Map |
|-----------|-----------------|---------------------|-------------|------------|--------------------------|--|---------------------------------|----------------------|------|--------------|--------------|------------|----------|
|           |                 |                     |             |            |                          | From                                       | To                              |                      |      |              |              |            |          |
| 0900      | 6               | 1                   | 54287       |            | VISITOR CENTER PARKING   | FROM ROUTE 0010 (MAIN PARK DRIVE)          | TO ROUTE 0010 (MAIN PARK DRIVE) |                      | YES  | PUBLIC       | 46,317       | AS         | 1        |
| 0901      | 6               | 1                   | 54288       |            | MAINTENANCE AREA PARKING | FROM ROUTE 0010 (MAIN PARK DRIVE)          | TO MAINTENANCE AREA             |                      | NO   | NONPUBLIC    | 15,648       | AS         | 1        |
| 0902      | 6               | 1                   | 54289       |            | RESIDENCE PARKING        | FROM ROUTE 0901 (MAINTENANCE AREA PARKING) | TO RESIDENCE                    |                      | NO   | NONPUBLIC    | 10,473       | AS         | 1        |
| 0903      | 6               | 1                   | 54290       |            | HEADQUARTERS PARKING     | FROM ROUTE 0010 (MAIN PARK DRIVE)          | TO PARKING                      |                      | YES  | PUBLIC       | 7,967        | AS         | 1        |

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## Cycle 6 Summary Totals for Kings Mountain National Military Park

| Cycle 6 Route Totals                               |                |                           |             |
|--|----------------|---------------------------|-------------|
|  | NPS Maintained | Concessionaire Maintained | Park Totals |
| Paved Roads, Data Collection Vehicle Rated (Miles) | 2.82           | 0                         | 2.82        |
| Paved Roads, Manually Rated Length (Miles)         | 0              | 0                         | 0           |
| Paved Roads, Manually Rated Area (Sq. Ft.)         | 0              | 0                         | 0           |
| Unpaved Roads (Miles)                              | 9.34           | 0                         | 9.34        |
| Paved Parking (Sq. Ft.)                            | 80,405         | 0                         | 80,405      |
| Unpaved Parking (Sq. Ft.)                          | 0              | 0                         | 0           |

| Cycle 6 Lane Miles and Overall Pavement Condition |              |                             |
|---|--------------|-----------------------------|
|   | Lanes Miles* | Pavement Condition Rating** |
| Data Collection Vehicle Routes                    | 5.49         | 98                          |
| Manually Rated Roads                              | 0            | N/A                         |
| Parking Areas                                     | 1.38         | 86                          |

\* Equivalent Lane Miles are calculated by route using the following equations:  
 - DCV and MRLs =  $(PAVE\_WIDTH \times PAVED\_MI) / 11$  foot lane  
 - MRPs and PKGs =  $SQ\_FEET / 5280 / 11$  foot lane

\*\*Parking and Manually Rated Routes are assigned the following PCR values based on the type of observed distresses:  
 -Excellent = 97      -Good = 90      -Fair = 73  
 -Poor = 53, 30, or 0      -Construction / Not Rated = -1

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## General Park Road Functional Classification (FC) Table

| FC  | Type   | User Access | Description  | Route Numbers              | Surface Types   |
|-----|--|-------------|--|----------------------------|---|
| 1   | Principal Park Road<br>Rural Parkway               | Public      | Roads which constitute the main access route, circulatory tour, or thoroughfare for park visitors. Rural Parkways (e.g. Natchez Trace) are numbered 0001 - 0009.   | 0001 - 0009<br>0010 - 0099 | AS - Asphaltic Concrete Pavement                              |
| 2   | Connector<br>Park Road                             | Public      | Roads which provide access within a park to areas of scenic, scientific, recreational or cultural interest, such as overlooks, campgrounds, etc.   | 0100 - 0199                | BR - Brick or Pavers Road Bed<br>CB - Cobble Stone Road Bed   |
| 3   | Special Purpose<br>Park Road                       | Public      | Roads which provide circulation within public areas, such as campgrounds, picnic areas, visitor center complexes, concessionaire facilities, etc. These roads generally serve low-speed traffic and are often designed for one-way circulation.  | 0200 - 0299                | CO - Portland Cement Concrete Pavement                        |
| 4   | Primitive<br>Park Road                             | Public      | Roads which provide circulation through remote areas and/or access to primitive campgrounds and undeveloped areas. These roads frequently have no minimum design standards and their use may be limited to specially equipped vehicles. Note: Functional Classes 3 and 4 have the same route numbers because, historically, they were numbered similarly.  | 0200 - 0299                | GR - Gravel Road Bed<br>NV - Native or Dirt Material Road Bed |
| 5   | Administrative<br>Park Road                        | Public      | All public roads intended for access to administrative developments or structures such as park offices, employee quarters, or utility areas.   | 0400 - 0499                | OT - Other Materials Road Bed                                 |
| 6   | Administrative<br>Park Road<br>(Restricted Access) | Nonpublic   | All roads normally closed to the public, including patrol roads, truck trails, and other similar roads. Note: Functional Classes 5 and 6 have the same route numbers because historically they were numbered similarly and often there is little distinction between these routes. For example, because utility areas and employee housing are often closed to the public, this restriction would result in classification of FC 6 rather than FC 5. | 0400 - 0499                |   |
| 7   | Urban<br>Parkway                                   | Public      | These facilities serve high volumes of park and non-park related traffic and are restricted, limited-access facilities in an urban area. This category of roads primarily encompasses the major parkways which serve as gateways to our nation's capital. Other major park roads or portions thereof, however, may be included in this category.   | 0001 - 0009                |   |
| 8   | City Street  | Public      | City streets are usually extensions of the adjoining street system that are owned and maintained by the National Park Service. The construction and/or reconstruction should conform with accepted local engineering practice and local conditions.  | 0600 - 0699                |   |
| N/A | Non-NPS<br>Roads                                   | Public      | State, County, or City owned roads which border, traverse, or provide access to Park Facilities or Locations. Non-NPS roads are not assigned functional classes and are driven for GPS and Video Log only.   | 5000 - 5999                |   |

A park road system contains those roads within or giving access to a park or other unit of the NPS which are administered by the NPS, or by the Service in cooperation with other agencies. The assignment of a functional classification (FC) to a park road is not based on traffic volumes or design speed, but on the intended use or function of that road or route.

The historic route numbering system also included a 300 series for interpretive roads, and a 500 series for one-way roads. There are approximately 250 roads nationwide which are designated by the 300 and 500 series. The numbers for these roads will be maintained for reporting consistency. However, since these interpretive and one-way routes are not as clearly tied to a specific functional class, the 300 and 500 series will be discontinued for future use.

# NPS / RIP Subcomponent Details for KIMO

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### SUMMARY ROUTE INVENTORY FOR ROADS (1100 SERIES FMSS LOCATIONS)

| Route Number | FMSS Number | Cycle Collected | Iteration Collected | Concession | Route Name       | Route Description                        |                | FLTP | Paved Miles | Unpaved Miles | Total Mileage | Functional Class | Area (SQ FT) |
|--------------|-------------|-----------------|---------------------|------------|------------------|--|----------------|------|-------------|---------------|---------------|------------------|--------------|
|              |             |                 |                     |            |                  | From                                     | To             |      |             |               |               |                  |              |
| 0406ZZ       | 54291       |                 |                     |            | SEWER PLANT ROAD | FROM ROUTE 0900 (VISITOR CENTER PARKING) | TO SEWER PLANT | NO   | 0.00        | 0.27          | 0.27          | 6                |              |

### KIMO-0406ZZ Subcomponent Breakdown

| Route Number | FMSS Number | Cycle Collected | Iteration Collected | Concession | Route Name         | Route Description                        |                | FLTP | Paved Miles | Unpaved Miles | Total Mileage | Functional Class | Area (SQ FT) |
|--------------|-------------|-----------------|---------------------|------------|--------------------|--|----------------|------|-------------|---------------|---------------|------------------|--------------|
|              |             |                 |                     |            |                    | From                                     | To             |      |             |               |               |                  |              |
| 0406AZ       | 54291       |                 |                     |            | SEWER PLANT ROAD A | FROM ROUTE 0900 (VISITOR CENTER PARKING) | TO SEWER PLANT | NO   | 0.00        | 0.17          | 0.17          | 6                |              |
| 0406BZ       | 54291       |                 |                     |            | SEWER PLANT ROAD B | FROM ROUTE 0406AZ (SEWER PLANT ROAD A)   | TO END         | NO   | 0.00        | 0.10          | 0.10          | 6                |              |