

Appendix D

PTG Rebased Model

Guam Travel Demand Model Validation Check

The Haul Road Network traffic analysis utilized the Travel Demand Model that was developed for the *Guam 2020 Highway Master Plan*.¹ This model was calibrated to a set of 2003 base year planning variables and traffic counts collected at 100 locations throughout the island.

The 2003 set of planning variables was based on counts of employees compiled by the Guam Department of Labor, Economic Research Center; counts of school enrollment by the Government of Guam Department of Education plus other private public entities; and estimates of population and households developed by Dueñas & Associates, Inc. The estimates of population for 2003 assumed a 12 percent decrease in population from Year 2000 Census counts, based on local knowledge of Guam and various economic indicators available as of December 2002. The rationale for assuming a reduction in population from 2000 to 2003 was thoroughly documented in Technical Report No. 1 of the *Guam 2020 Highway Master Plan*, issued June 4, 2003.

The Guam Travel Demand Model trip generation models were thus predicated on a 2003 base year population of 136,213, which was approximately 12 percent less than the Year 2000 Census count of 154,805.

Without an actual census count taken in 2003, no one can say with certainty what the population actually was in 2003. Nevertheless, for consistency, *Guam 2020 Highway Master Plan* future year population estimates were based on this 136,213 base level of population for 2003 and a compound growth rate of two percent annually thereafter to 2020.

Subsequent to the 2003 *Guam 2020 Highway Master Plan* effort, the U.S. Census Bureau, International Programs Center, issued population forecasts for Guam covering 2001 and thereafter to 2050. These estimates and forecasts did not reflect a decrease in population from 2000 to 2003, and in fact, reflected an increase in population. Table 1 lists the U.S. Census Bureau estimates and forecasts of population for Guam alongside those used for the *Guam 2020 Highway Master Plan*.

Current, ongoing planning efforts on Guam are utilizing the U.S. Census Bureau estimates and forecasts of population for prior, current, and future year analysis. To be consistent with these forecasts, the Guam Travel Forecast Model trip generation and attraction models were “rebased” to reflect the Census Bureau 2003 population estimate of 163,593 rather than 136,213 as assumed by Dueñas & Associates, Inc. for the model calibration effort. This was easily accomplished by applying a straightforward ratio of 136,213/163,593 to all trip production and attraction rates involving population (e.g., households); and applying a straightforward ratio of 163,593/136,213 to all traffic analysis zone estimates of households. Table 2 lists the revised trip generation rates along with the original rates.

¹ *Guam 2020 Highway Master Plan*, Technical Report No. 2, August 6, 2003, Dueñas & Associates, Inc. in Association with Wilbur Smith Associates.

Guam Travel Demand Model Validation Check

Table 1: Guam Population Projections

Year	Guam 2020 Highway Master Plan*	U.S. Census Bureau**
2000	154,805	154,805
2001	NA	158,330
2002	NA	161,057
2003	136,213	163,593
2004	138,953	166,090
2005	141,732	168,564
2006	144,567	171,019
2007	147,458	173,456
2008	150,407	175,877
2009	153,415	178,287
2010	156,484	180,692
2011	159,614	183,080
2012	162,806	185,435
2013	166,062	187,752
2014	169,383	190,040
2015	172,771	192,300
2016	176,226	194,539
2017	179,751	196,755
2018	183,346	198,940
2019	187,013	201,093
2020	190,753	203,214

*Guam 2020 Highway Master Plan, Technical Report No. 2, pg 4-8, August 6, 2003, Dueñas & Associates, Inc.

**U.S. Census Bureau, International Programs Center, Guam 2005 Statistical Yearbook, 2006, Bureau of Statistics and Plans, Office of the Governor.

Table 2: 2003 Trip Rates

Coefficient Name	Output Variable Name	Zonal Field	Rebased	Original
hbw_trip_production_rate_1to2_person	HBW_P	HH12_03	1.2981	1.5590
hbo_trip_production_rate_1to2_person	HBO_P	HH12_03	1.8726	2.2490
hbw_trip_production_rate_3to4_person	HBW_P	HH34_03	2.1748	2.6120
hbo_trip_production_rate_3to4_person	HBO_P	HH34_03	3.9833	4.7840
hbw_trip_production_rate_5plus_person	HBW_P	HH5_03	3.0041	3.6080
hbo_trip_production_rate_5plus_person	HBO_P	HH5_03	6.5611	7.8800
hbw_trip_production_rate_inst	HBW_P	GRPTOT_03	1.5590	1.5590
hbo_trip_production_rate_inst	HBO_P	GRPTOT_03	2.2490	2.2490
hbw_trip_attraction_total_employment	HBW_A	TOTEMP_03	1.0000	1.0000
hbo_trip_attraction_total_households	HBO_A	HH_03	0.3355	0.4030
hbo_trip_attraction_school_enrollement	HBO_A	SCHOOL_03	0.6000	0.6000
hbo_trip_attraction_retail_employment	HBO_A	RETAILEMP_03	2.1800	2.1800
hbo_trip_attraction_hotel_employment	HBO_A	HOTELEMP_03	0.7030	0.7030
hbo_trip_attraction_other_employment	HBO_A	OTHEMP_03	0.7030	0.7030

Guam Travel Demand Model Validation Check

Coefficient Name	Output Variable Name	Zonal Field	Rebased	Original
nhb_trip_production_total_households	NHB_P	HH_03	0.5903	0.7090
nhb_trip_production_school_enrollement	NHB_P	SCHOOL_03	0.1370	0.1370
nhb_trip_production_retail_employment	NHB_P	RETAILEMP_03	6.6720	6.6720
nhb_trip_production_hotel_employment	NHB_P	HOTELEMP_03	3.4000	3.4000
nhb_trip_production_other_employment	NHB_P	OTHEMP_03	1.2900	1.2900
nhb_trip_attraction_total_households	NHB_A	HH_03	0.5903	0.7090
nhb_trip_attraction_school_enrollement	NHB_A	SCHOOL_03	0.1370	0.1370
nhb_trip_attraction_retail_employment	NHB_A	RETAILEMP_03	6.6720	6.6720
nhb_trip_attraction_hotel_employment	NHB_A	HOTELEMP_03	3.4000	3.4000
nhb_trip_attraction_other_employment	NHB_A	OTHEMP_03	1.2900	1.2900
cv_trip_production_total_households	CV_P	HH_03	0.0874	0.1050
cv_trip_production_retail_employment	CV_P	RETAILEMP_03	0.2020	0.2020
cv_trip_production_hotel_employment	CV_P	HOTELEMP_03	0.0620	0.0620
cv_trip_production_other_employment	CV_P	OTHEMP_03	0.0620	0.0620
cv_trip_attraction_total_households	CV_A	HH_03	0.0874	0.1050
cv_trip_attraction_retail_employment	CV_A	RETAILEMP_03	0.2020	0.2020
cv_trip_attraction_hotel_employment	CV_A	HOTELEMP_03	0.0620	0.0620
cv_trip_attraction_other_employment	CV_A	OTHEMP_03	0.0620	0.0620

Trip rates that were revised

The result of this “rebased population” model was to produce nearly identical traffic assignments on all links of the highway network, thereby maintaining complete consistency with the 2003 model calibration effort. Statistical tables and traffic assignment plots showing “Original” and “Rebased” model results are appended to this document for reference.

To test the validity of this approach, an abbreviated model validation check was performed by comparing traffic model forecasts with traffic counts collected in 2008. As link level traffic counts were collected at only 18 locations in 2008, this was not a comprehensive model validation check as the sampling of traffic counts was relatively small. Also, the growth in households and jobs by TAZ were interpolated between the 2003 and 2013 planning variable data sets; thus, the check was more of an indicator rather than a detailed statistical analysis.

Given these qualifiers, the 2003 base model forecast was two percent higher than the sum of the traffic counts selected for the validation check. The 2008 model forecast, using the “rebased” trip generation rates, was 16 percent higher than the sum of the traffic counts collected in 2008. This difference could be due to the level of population assumed for 2008 (the Census Bureau estimate), a reduction in trip making due to high fuel prices, or some combination of these factors. The 2008 model forecast using the original (2003 model) trip generation rates was 32 percent higher than the sum of the traffic counts collected in 2008. These comparisons of traffic counts to model forecasts are reported in Table 3.

Guam Travel Demand Model Validation Check

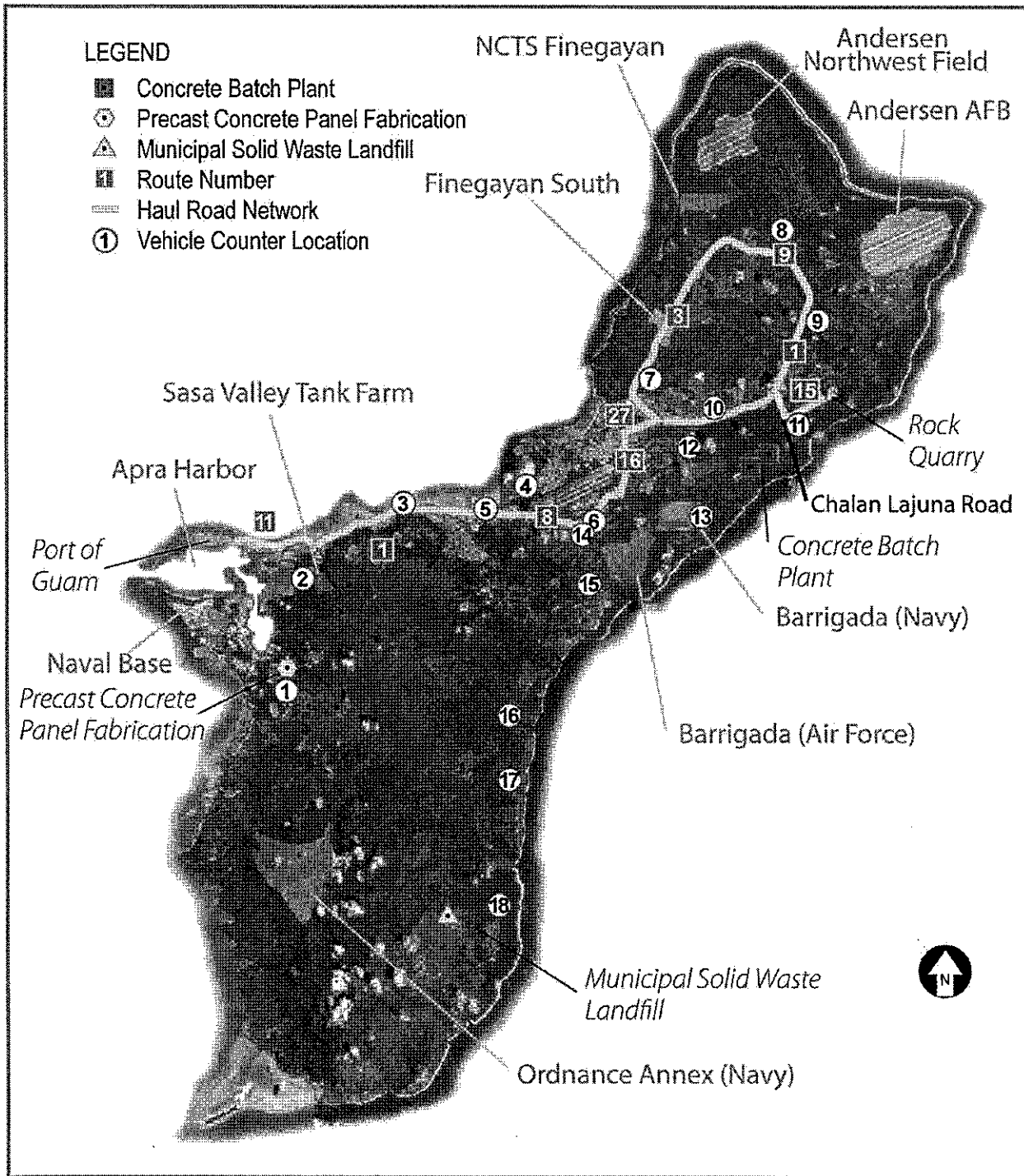
Table 3: Comparison of Traffic Counts with Travel Model Forecasts

Location	No.	Route	Village	ADT Traffic Counts				Base 2003 Model Forecast	Rebased Population 2008 Forecast	Unadjusted 2008 Forecast
				1991	1997	2003	2008*			
1	350.00	Route 5	Apra Heights	NA	NA	7,731	7,495	10,933	11,758	13,501
2	12.01	Route 1	Piti	26,059	31,116	26,513	22,901	28,893	31,117	35,031
3	32.00	Route 1	Asan	30,291	27,084	30,631	31,221	35,764	37,649	41,679
4	53.00	Route 1	Maite	66,499	79,403	56,257	50,884	67,372	70,994	77,756
5	263.00	Route 8	Barrigada	38,354	45,797	40,227	36,665	29,700	31,272	35,109
6	241.01	Route 16	Tamuning	40,986	NA	38,823	39,474	35,741	38,396	47,245
7	280.01	Route 3	Dededo	15,169	18,072	18,520	21,761	19,784	20,754	25,089
8	302.00	Route 9	Yigo	3,085	3,684	4,116	4,753	3,939	4,443	5,297
9	130.02	Route 1	Yigo	8,129	9,706	12,404	14,686	12,991	14,187	15,987
10	110.01	Route 1	Dededo	31,619	NA	36,094	33,754	33,669	37,022	42,477
11	400.00	Route 15	Mangilao	3,517	4,199	4,600	7,164	5,993	6,864	8,382
12	501.00	Route 26	Barrigada	17,946	24,393	18,560	22,950	13,599	15,143	16,364
13	393.01	Route 15	Mangilao	10,056	12,007	9,666	10,061	13,454	15,073	16,430
14	232.00	Route 10	Barrigada	29,745	35,517	33,843	27,725	33,199	37,550	43,782
15	223.02	Route 10	Mangilao	36,665	43,780	37,467	29,104	38,778	44,181	50,205
16	201.02	Route 4	Yona	17,836	12,142	15,954	15,010	13,828	15,258	17,865
17	192.00	Route 4	Yona	6,627	6,332	5,792	5,409	7,412	8,136	9,508
18	183.04	Route 4	Talofoto	4,630	5,528	4,012	3,948	5,846	6,238	7,296

*Passenger car equivalents

Guam Travel Demand Model Validation Check

TRAFFIC COUNT LOCATIONS

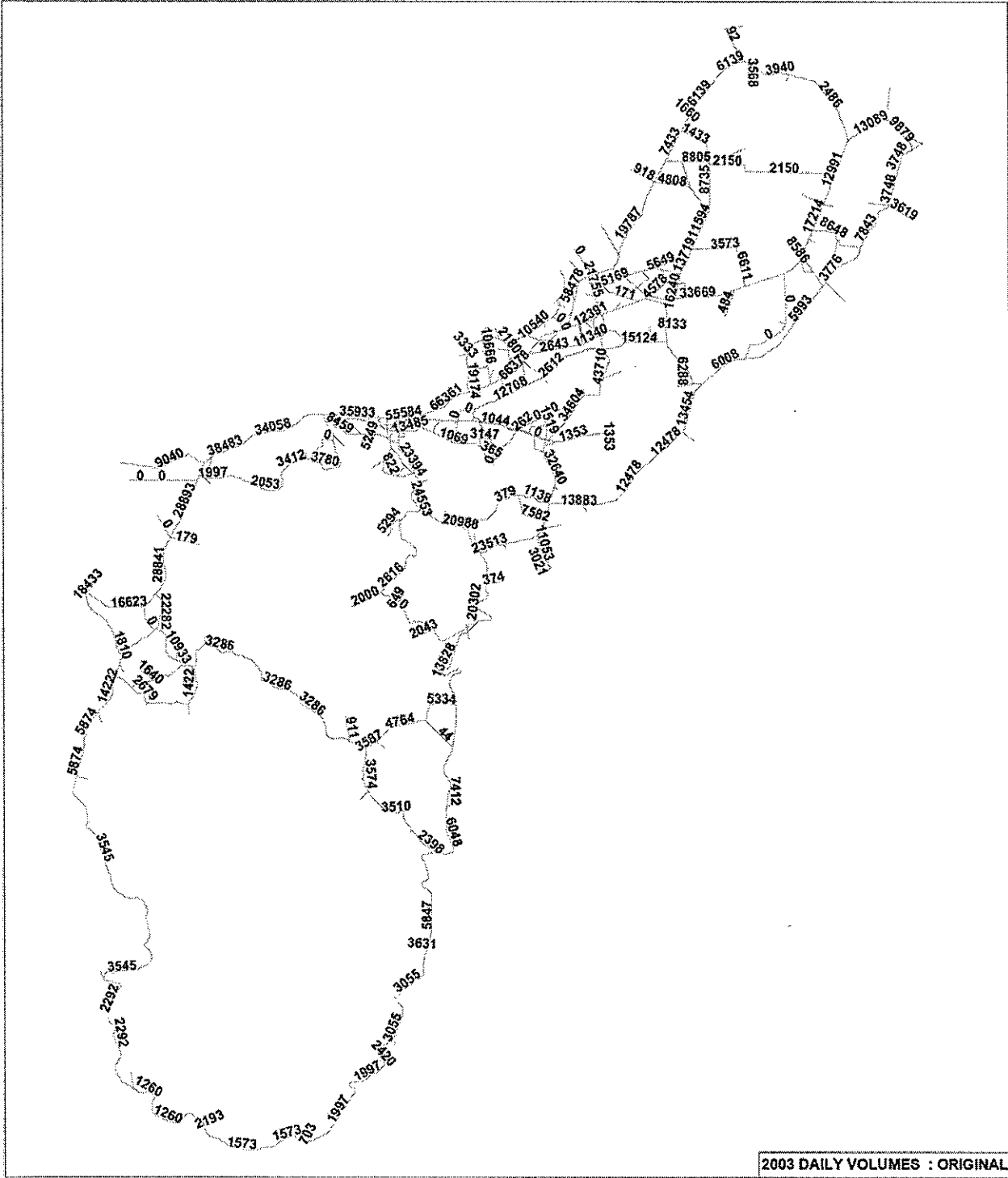


Guam Travel Demand Model Validation Check

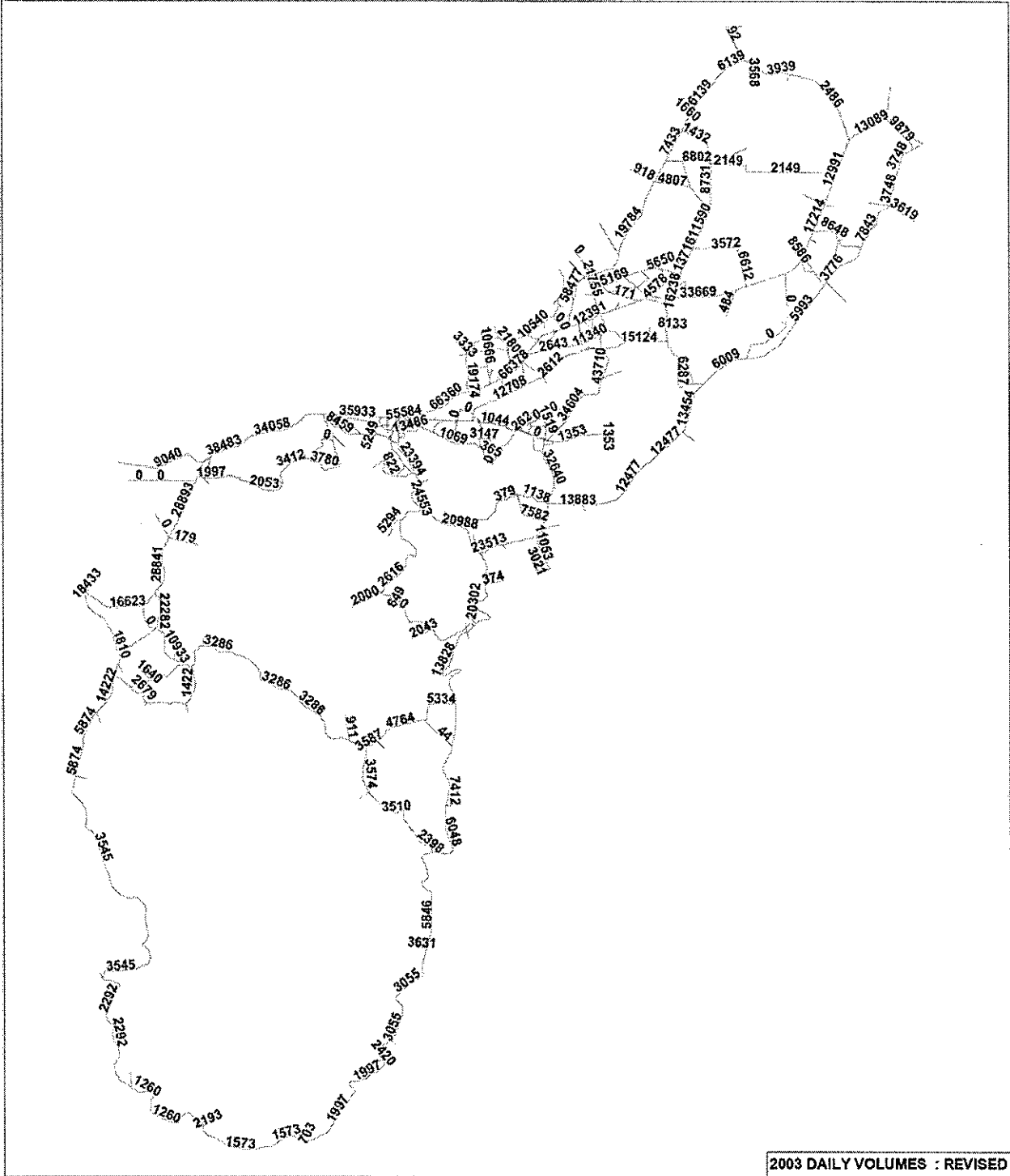
COMPARISON OF 2003 MODEL DIAGNOSTIC DATA

Purpose	2003 Original	2003 Revised
HBW_PA	89,368	89,368
HBO_PA	169,403	169,404
NHB_PA	177,229	177,229
CV_PA	10,024	10,023
HBW_PA_TP	89,368	89,368
HBO_PA_TP	169,403	169,404
NHB_PA_TP	177,229	177,229
CV_PA_TP	10,024	10,023
HBW_024_OD	89,368	89,368
HBO_024_OD	169,403	169,404
NHB_024_OD	177,229	177,229
CV_024_OD	10,024	10,023
HBW_AM_PEAK	8,579	8,579
HBW_AM_PEAK	858	858
HBW_AM_PEAK	9,437	9,437
HBO_AM_PEAK	14,738	14,738
HBO_AM_PEAK	3,574	3,574
HBO_AM_PEAK	18,312	18,313
NHB_AM_PEAK	2,446	2,446
NHB_AM_PEAK	2,446	2,446
NHB_AM_PEAK	4,892	4,892
CV_AM_PEAK	238	238
CV_AM_PEAK	238	238
CV_AM_PEAK	475	475
HBW_PM_PEAK	983	983
HBW_PM_PEAK	8,079	8,079
HBW_PM_PEAK	9,062	9,062
HBO_PM_PEAK	6,437	6,437
HBO_PM_PEAK	10,757	10,757
HBO_PM_PEAK	17,194	17,195
NHB_PM_PEAK	5,193	5,193
NHB_PM_PEAK	5,193	5,193
NHB_PM_PEAK	10,386	10,386
CV_PM_PEAK	256	256
CV_PM_PEAK	256	256
CV_PM_PEAK	511	511
HBW_OFF_PEAK	52,370	52,370
HBO_OFF_PEAK	98,389	98,390
NHB_OFF_PEAK	146,675	146,675
CV_OFF_PEAK	8,051	8,050
AM_AUTO_ADD	0	0
PM_AUTO_ADD	0	0
OP_AUTO_ADD	0	0
AM_BUS_ADD	0	0
PM_BUS_ADD	0	0
OP_BUS_ADD	0	0
AM_TRUCK_ADD	0	0
PM_TRUCK_ADD	0	0
OP_TRUCK_ADD	0	0
HAUL_ROUTE	169	169
RES_AUTO_AM	34,052	34,052
RES_HAUL_AM	5	5
MIL_AUTO_AM	0	0
MIL_HAUL_AM	0	0
RES_AUTO_PM	38,160	38,160
RES_HAUL_PM	5	5
MIL_AUTO_PM	0	0
MIL_HAUL_PM	0	0
RES_AUTO_OP	321,336	321,334
RES_HAUL_OP	84	84
MIL_AUTO_OP	0	0
MIL_HAUL_OP	0	0
RES_AUTO_DAILY	465,758	465,756
RES_HAUL_DAILY	105	105
MIL_AUTO_DAILY	0	0
MIL_HAUL_DAILY	0	0
TOTAL - DAILY	465,863	465,861

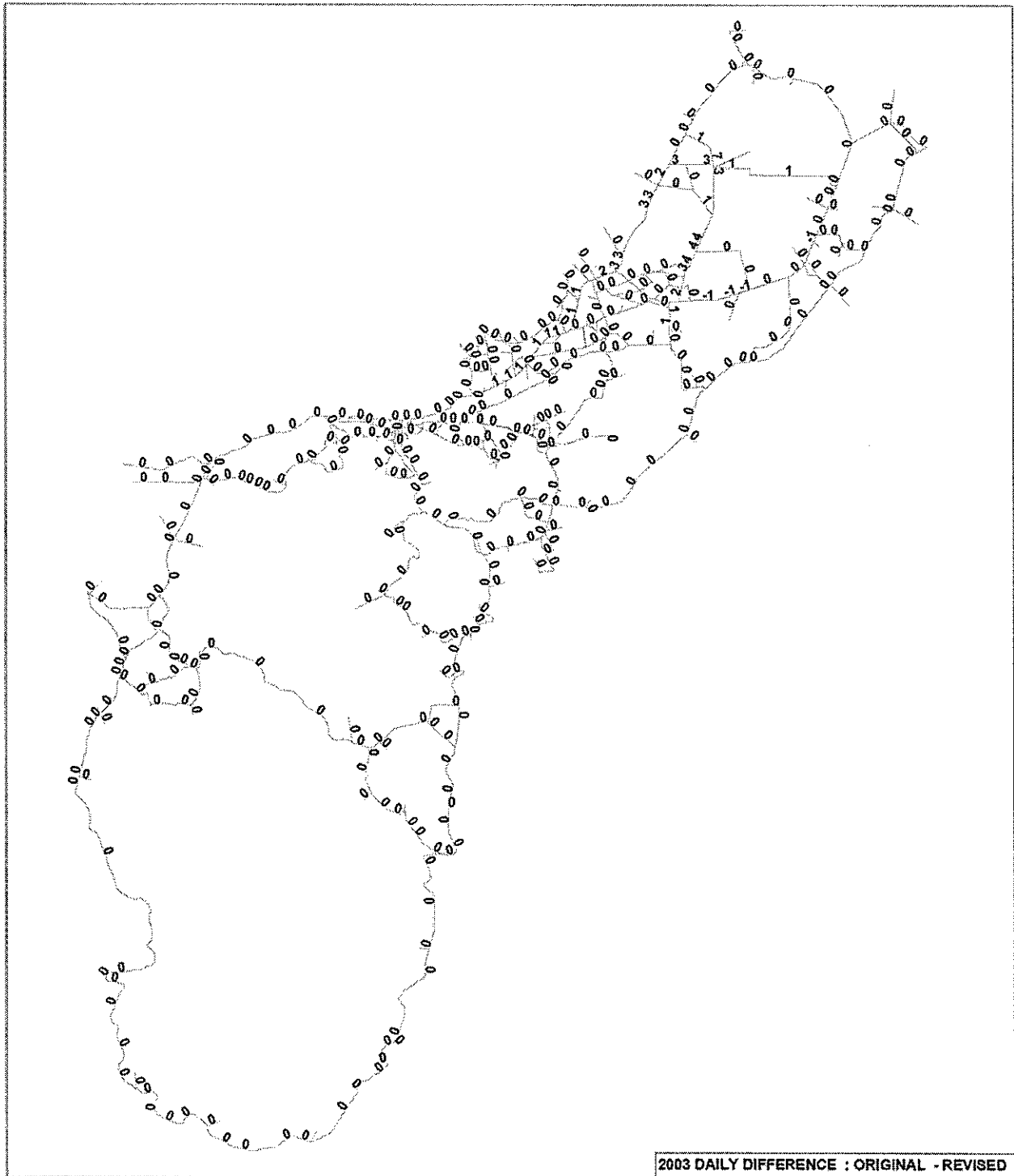
Guam Travel Demand Model Validation Check



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Guam Travel Demand Model Validation Check



Appendix E

Data Needs Worksheet

Data Needs for Guam Long Range Transportation Plan
Military Data Needed
Amended January 24, 2008

#	Type of Military Data	Answer
1	Average number of off-base trips/day/service member	<p>Unaccompanied personnel bus trips (weekday):</p> <ul style="list-style-type: none"> • See Question #3a. <p>Work commute POV trips, South Finegayan or NCTS Finegayan-AAFB North Ramp:</p> <ul style="list-style-type: none"> • Weekday, peak a.m.: 633 trips • Weekday, peak p.m.: 633 trips • Weekday, off hours (round trips): 106 • Weekend (round trips): 106 <p>DoD civilian work commute POV trips from offbase (unknown locations) to onbase:</p> <ul style="list-style-type: none"> • Weekday, peak a.m.: 141 South Finegayan, 2,391 NCTS Finegayan, 281 AAFB • Weekday, peak p.m.: 141 South Finegayan, 2,391 NCTS Finegayan, 281 AAFB • Weekday, off hours (round trips): 23 South Finegayan, 398 NCTS Finegayan, 47 AAFB • Weekend (round trips): 23 South Finegayan, 398 NCTS Finegayan, 47 AAFB <p>Miscellaneous daily POV trips from NCTS Finegayan, random days/times:</p> <ul style="list-style-type: none"> • South Finegayan 10 • AAFB 30 • Andersen South 10 • AF/Navy Barrigada 10 • Ordnance Annex 5 • Naval Hospital 5 • Naval Base 30 <p>School trips (weekdays unless otherwise noted):</p> <ul style="list-style-type: none"> • Finegayan South-NCTS Finegayan: 3 bus trips peak a.m., 3 bus trips peak p.m. • Finegayan South-NCTS Finegayan: 170 car trips peak a.m., 170 car trips peak p.m. • Finegayan South-NCTS Finegayan: 20 car trips between peak, 20 car trips off peak
2	Characteristics of supply transport between ports and depots (e.g., ordnance) to military installations. Need vehicle types (e.g., # axles), how many vehicles, # trips, EASLS and delivery points.	<p>Assume 3-axle tractor-trailer with 60,000-gross weight. Distribution:</p> <ul style="list-style-type: none"> • Port-Naval Base (random times 0600-1800): X trips/day • Naval Base-NCTS Finegayan (random times 0600-1800): X trips/day • NCTS Finegayan to following locations (random times 0600-1800): AAFB (via new gate) X trips/day, Andersen South X trips/day, Barrigadas (Navy/AF) X trips/day, Ordnance Annex X trips/day <p>Existing Ordnance Transport:</p> <ul style="list-style-type: none"> • Trailer trucks (2-axle) Naval Base to Ordnance Annex: X trips/month, weekday, (random times) • Trailer trucks (2-axle) Naval Base to AAFB: X trips/month, weekday, (random times) <p>Proposed Ordnance Transport:</p> <ul style="list-style-type: none"> • Trailer trucks (2-axle) Naval Base to Ordnance Annex: X% of existing frequency • Trailer trucks (2-axle) Naval Base to AAFB: X% of existing frequency • Trailer trucks (2-axle) Naval Base to Andersen South (Alt. A1): X trips/month, weekday, (random times)
3a	DOD plans for transit or shuttle service, including plans for on-base and between base services	<p>Potential bus routes, unaccompanied personnel (weekday):</p> <ul style="list-style-type: none"> • NCTS Finegayan to AAFB (North Ramp via new gate): 16 trips peak a.m., 16 trips peak p.m., 28 trips between peak, 26 trips off peak • NCTS Finegayan to Andersen South (Alt. A1): 4 trips peak a.m., 4 trips peak p.m. • NCTS Finegayan to AAFB (Alt. C2): 4 trips peak a.m., 4 trips peak p.m. • NCTS Finegayan to Naval Base (incl. Naval Hospital): 4 trips peak a.m., 4 trips peak p.m., 14 trips between peak, 13 trips off peak

Data Needs for Guam Long Range Transportation Plan
Military Data Needed
Amended January 24, 2008

#	Type of Military Data	Answer
3b	ALTERNATIVE A1 (TRAINING RANGES AT ANDERSEN SOUTH): DOD plans for transit or shuttle service, including plans for on-base and between base services	AAV Training - 4 times/year, 3 weeks each, weekday training: <ul style="list-style-type: none"> • NCTS Finegayan-Naval Base (Polaris Point): 4 bus trips and 30 POV trips per day, peak a.m./p.m. • NCTS Finegayan-Naval Base (Polaris Point): 4 bus trips and 30 POV trips per day, peak a.m./p.m. • NCTS Finegayan-Naval Base (Polaris Point): 12 tractor trailer trips per event, first trip weekday, pre-peak a.m., return trip weekday post-peak p.m. • Tractor trailer weight = 70,000 lbs. approx. (tractor 12,000 + AAV 46,000 + trailer 10,000) LCAC Training - 2 times/year, 3 weeks each, weekday training: <ul style="list-style-type: none"> • NCTS Finegayan-Naval Base (Polaris Point): 2 bus trips and 0 POV trips per day, peak a.m./p.m. • NCTS Finegayan-Naval Base (Polaris Point): 0 tractor trailer trips per event (LCACs transported via ship to Apra Harbor) MOUT Training - each week, weekday training: <ul style="list-style-type: none"> • NCTS Finegayan-Andersen South (Bivouac - stay for 5 days): 23 bus trips (Monday, peak a.m.), 23 bus trips (Friday, peak p.m.), and 20 POV trips per day, (peak a.m./p.m.) • NCTS Finegayan-Andersen South (OPFOR - stay for 5 days): 1 bus trip (Monday, peak a.m.), 1 bus trip (Friday, peak p.m.), and 10 POV trips per day, (peak a.m./p.m.)
3c	ALTERNATIVE C2 (TRAINING RANGES AT AAFB): DOD plans for transit or shuttle service, including plans for on-base and between base services	AAV, LCAC, and MOUT Training: <ul style="list-style-type: none"> • Same as Alternative A1 (see answer to question #3b) General Training at AAFB: <ul style="list-style-type: none"> • Access via new gate • Same frequency as Alternative A1 (see answer to question #3b) • All trips NCTS Finegayan-AAFB (via new gate)
4	DOD policy on permitting military personnel to travel between installations using civilian transit	All military personnel are allowed to use public transportation. This is true currently for Okinawa, primarily consisting of Green Line shuttle transport or taxis.
5	How often military personnel are permitted to travel off-base for recreation, personal business, etc.	Unaccompanied personnel bus trips: <ul style="list-style-type: none"> • Included in data for question #3a. Accompanied personnel car trips/day: <ul style="list-style-type: none"> • Weekend day: 1,107 trips (0800-2000) • Weekday: 63 trips (0800-2000) • Origin: 17% Finegayan South, 83% NCTS Finegayan • Destination: unknown CVN Visits (3 times/year, 21 days per visit): <ul style="list-style-type: none"> • Up to 5,680 personnel on CVN • Polaris Point-Naval Base: 2 bus trips/hour, 0600-2400 • Naval Base (Polaris Point)-Tumon Bay: 4 bus trips/hour, 0600-2400
6	Number of direct new civilian construction jobs expected from the military build-up	<ul style="list-style-type: none"> • 2010: 4,555 • 2011: 7,739 • 2012: 8,290 • 2013: 15,913 • 2014: 13,385 • 2015: 6,240 • 2016: 1,673
7	Number of direct new military and DoD civilian jobs expected by the military build-up	Direct military jobs from AIP+: <ul style="list-style-type: none"> • USMC: 13,235 • Army: 630 Direct DoD civilian jobs: <ul style="list-style-type: none"> • USMC: 5,000 • Army: unknown • Assume 75% live offbase, 25% are dependents living onbase
8	Number of direct new military dependents expected by location	Dependents of military personnel from AIP+: <ul style="list-style-type: none"> • USMC: 10,653 at NCTS Finegayan and Finegayan South • Army: 950 at unknown location • Unknown # dependents for DoD civilian personnel, living at unknown locations offbase
9	Number of indirect jobs expected by the military build-up and their distribution.	Est. # indirect jobs / # employees from off Guam: <ul style="list-style-type: none"> • 2010: 9,094 / 4,544 • 2011: 12,863 / 8,313 • 2012: 15,752 / 11,202 • 2013: 20,095 / 15,545 • 2014: 12,583 / 8,033 • 2015 and on (steady state): 14,354 / 9,804

**Data Needs for Guam Long Range Transportation Plan
Military Data Needed
Amended January 24, 2008**

#	Type of Military Data	Answer
10	Number of supply vehicles to and from depots and military installations	See question #2.
11	Number of troops by service branch by home location and destination, current and projected	<p>Is this the same as the info being gathered for question #7?</p> <p>Baseline as of 31 Mar 2005 (Active Duty / Dependents):</p> <ul style="list-style-type: none"> • USMC: 3 / 2 • Army: 30 / 50 • Navy: 4,350 / 5,230 (Naval Base, NCTS Finegayan, Ordnance Annex, Navy Barrigada) • Air Force: 1,930 / 2,280 (AAFB) • USCG: 140 / 180 (Naval Base) • SOF: 0 / 0 <p>AIP+ Notional Increase as of 18 Jan 2008 (Active Duty/Dependents):</p> <ul style="list-style-type: none"> • USMC: 13,235 / 10,653 (Finegayan South, NCTS Finegayan) • Army: 630 / 950 • Navy (non-project): 1,250 / 50 (Naval Base, other?) • Air Force (non-project): 2,630 / 1,450 (AAFB) • USCG (non-project): 30 / 50 (Naval Base) • SOF (non-project): 350 / 630 (?)
12	Percent of military personnel arriving or departing via civilian aircraft	<p>All PCS personnel will arrive on commercial airlines with dependents at WPIAP:</p> <ul style="list-style-type: none"> • PCS personnel = 10,120 • PCS on 2-year rotations • Average of 2/3 arrive June-August, 1/3 arrive rest of year <p>UDP rotations every 6 months, charter aircraft at AAFB:</p> <ul style="list-style-type: none"> • UDP personnel = 3,115 • Average of 1 charter flight/week. Transport via 2 busses from AAFB North Ramp to NCTS Finegayan, random times
13	Percent of off-base trips/day/service member that will be to non-military locations	<p>Other:</p> <ul style="list-style-type: none"> • Unknown
14	Percent of the military dependents likely to be living off-base	Current Master Plan assumption is 0% of military personnel and dependents living off-base
15	Percent of the military population that will live or be permitted to live off-base	Current Master Plan assumption is 0% of military personnel and dependents living off-base
16	Percent of troops by branch of service by location, current and projected that will be temporary duty (TDY)	<p>USMC:</p> <ul style="list-style-type: none"> • "Transient" USMC personnel = 3,747. These personnel are on rotations lasting 6 months. • "Transient" Navy personnel on each CVN visit = up to 5,680. CVN visits would be up to 3 times/year, 21 days per visit.
17	Size, weight, width and types of military vehicles that will use offbase roadways	<ul style="list-style-type: none"> • Typical military roadway vehicle sizes: POVs, trucks, and tractor trailers carrying heavy equipment and supplies. Tractor trailers are 3-axle: 1 single axle + 2 tandem axles. Typical tractor trailer weight is 75% of 80,000-lb. DOT maximum = 60,000 lbs. • Available vehicle type/sizes are provided in responses to relevant questions.
18	Summary of past military build-up related public involvement activities	<p>Public Involvement Timeline Summary:</p> <ul style="list-style-type: none"> • March 7, 2007: Notice of Intent for EIS/OEIS • April 2007: EIS/OEIS Public Scoping Meetings • June 2007: Stakeholder Partnering Meetings (#1) • October 2007: Stakeholder Partnering Meetings (#2) • February 2008: Stakeholder Partnering Meetings (#3)

Summary of Assumptions for Traffic Data

Question # Assumptions

General Peak a.m. = 0600-0800, peak p.m. = 1500-1700
75% workers have regular weekday workday schedule
Training occurs primarily weekdays

1

Transit system offbase (primarily for UDP):
Offbase bus/transit system similar to Green Line in Okinawa
3 lines with 40-person busses:
1) Between housing areas and AAFB (new gate): every 15 minutes in peak a.m./p.m., every 30 minutes 0800-1500, and every hour 1500-0600
2) Between housing areas and ranges
3) Between housing areas and Naval Hospital and Naval Base: every hour 0600-1500, every two hours 1700-0800

PCS vs. UDP personnel (Marines)
PCS = 10,120, UDP = 3,115

Housing

Total Military Loading Increase = 13,865 (Marines 13,235 + Army 630)
100% housing onbase
3,520 family housing units (for 3,520 accompanied personnel)
Family housing units, South Finegayan (25%) = 880
Family housing units, NCTS (75%) = 2,640
100% of BEQ housing in NCTS
Personnel in BEQ (13,865 - 3,520) = 10,345

Workplace

Range support personnel accounted for in Training Range trip numbers
Majority of personnel work on Main Base at NCTS Finegayan
1,875 ACE personnel; assume 90% (1,688) work at AAFB North Ramp
DoD civilian jobs distributed : 85% NCTS Finegayan, 10% AAFB, 5% South Finegayan

Miscellaneous POV trips

No data available
Used general assumption of 100 POV trips per day from NCTS Finegayan
Approximate distribution: South Finegayan 10%, AAFB 30%, Andersen South 10%, AF/Navy Barrigada 10%, Ordnance Annex 5%, Naval Hospital 5%

Schools

School-age dependents living in family housing units
Elementary/Middle Schools where families live (no offbase transportation)
High School at NCTS
High School population: 675
25% of High School population from South Finegayan = 169

50% of students to high school via car (avg. 1 student/car), 50% via bus
3 40-student busses one way (South Finegayan-NCTS) during peak a.m., 3 busses returning one way during peak p.m.
85 cars round trip (South Finegayan-NCTS-South Finegayan) during peak a.m., 85 cars round trip during peak p.m.
Assume miscellaneous round trips: 10 between peak, 10 off peak, 5 per weekend day

2

Supplies distribution

Containerized materials entering the civilian port will be transported to Naval Base for break out.
Large delivery trucks will be used to move goods to NCTS Finegayan for distribution to other locations.
Distribution % from NCTS Finegayan: AAFB (via new gate) X%, Andersen South X%, Barrigadas (Navy/AF) X%, Ordnance Annex X%

3b

Tractor-trailer weight assumptions:

Empty Tractor: 12,000 lbs.
Trailer: 10,000 lbs.

AAV Training

AAV Weight (unloaded): 46,314 pounds (<http://www.globalsecurity.org/military/systems/ground/aavp7a1-specs.htm>)
4 times/year for 3-week duration
12 AAVs transported on typical flatbed trailers
Vehicles transported from NCTS Finegayan-Polaris Point (once there, once back)
AAV transport time: NCTS-Polaris pre-peak a.m.; Polaris-NCTS post peak p.m.

MEU Training

2 times/year

5

CVN visits

3 visits/year, 21 days each visit
Shuttles from Polaris Point to Naval Base: 1/hour each direction, 0600-2400
Busses from Naval Base-Tumon Bay: 4/hour each direction, 0600-2400

General Recreation

75% Marines work weekdays, normal work hours
UDP Marines use shuttle (see Question #1)
Accompanied Marines travel offbase in POV

8

DoD civilian personnel

No DoD civilian personnel loading data available
Assume 25-35% DoD civilian personnel for total number of military personnel, based on existing Naval Base & AAFB numbers
Rough estimate of 5,000 DoD civilian personnel
Source of DoD civilian employee: 25% dependents (living onbase), 25% stateside (living offbase), 50% Guam (living offbase)

#1) Service Member Trips/Day - Unaccompanied (via transit)

*Note: peak a.m. = 0600-0800, peak p.m. = 1500-1700

Transit

Line	Time	# busses per hour	# hours	Directions	# trips/day
#1	peak a.m.	4	2	2	16
#1	peak p.m.	4	2	2	16
#1	between peak	2	7	2	28
#1	Off hours	1	13	2	26
#2	peak a.m.	1	2	2	4
#2	peak p.m.	1	2	2	4
#2	between peak	0			0
#2	Off hours	0			0
#3	peak a.m.	1	2	2	4
#3	peak p.m.	1	2	2	4
#3	between peak	1	7	2	14
#3	Off hours	0.5	13	2	13

School

Bus	peak a.m.	3	1	1	3
	peak p.m.	3	1	1	3
	between peak	0	0	0	0
	Off hours	0	0	2	0
Car (via dropoff)	peak a.m.	85	1	2	170
	peak p.m.	85	1	2	170
	between peak	10	1	2	20
	Off hours	10	1	2	20
	Weekend day	5	1	2	10

Work at AAFB North Ramp

ACE personnel @ North Ramp	1,688
% ACE personnel commuting with POVs	50%
# ACE personnel commuting with POVs	844
	POV trips
Working weekday normal hours	75% 633
Working weekday off hours	13% 106
Working weekends	13% 106

DoD Civilian Jobs

Total # jobs	5,000
% from offbase	75%
% commuting with POVs	100%
# commuting with POVs	3,750

Work locations	South Finegayan	NCTS	AAFB
% distribution at work locations	5%	85%	10%
POV trips			
Working weekday normal hours	75% 141	2,391	281
Working weekday off hours	13% 23	398	47
Working weekends	13% 23	398	47

Miscellaneous POV Trips from NCTS Finegayan

Approximate daily trips, random times/days	100
	POV trips
South Finegayan	10%
AAFB	30%
Andersen South	10%
AF/Navy Barrigada	10%
Ordnance Annex	5%
Naval Hospital	5%
Naval Base	30%

#1) Recreation trips

		# days	trips/day
# PCS personnel	10,120		
% PCS personnel with POVs	50%		
# PCS personnel with POVs	5,060		
% in South Finegayan	17%		
% in NCTS Finegayan	83%		
Working normal hours	75%	3,795	
Working weekday off hours	13%	633	
Working weekends	13%	633	
# POV recreation trips/PCS personnel per week		0.5	
Weekend - # POV recreation trips (regular + off-hour workers)		2,214	2 1,107
Weekday - # POV trips (weekend workers)		316	5 63

#9) Indirect jobs calculations

New Jobs in Guam Economy; Does not include workers in workforce housing, military, or military dependent populations. Annual figures are not additive.

	2010	2011	2012	2013	2014	2015 on
New Jobs	9,094	12,863	15,752	20,095	12,583	14,354
Number of unemployed (March, 2006)	4,550	4,550	4,550	4,550	4,550	4,550
New Guam Residents	4,544	8,313	11,202	15,545	8,033	9,804

*Note: these figures are preliminary; they are based on multiple unverified assumptions. As further research is completed, figures may change. Furthermore, labor conditions are uncertain; it is undetermined whether new capacity for labor will be filled by in-migrants

All impacts are impacts to Guam's economy related to new military activity

Three types of impacts:

1. Impacts of Guam residents working for the military
2. Impacts of military purchases in the Guam economy'
3. impacts of military related personnel visitor spending in Guam's economy

Avg. construction worker wage = \$27,893 (assumed proportion of overhead cost included in non-wage spending on Guam)

Avg. Military wage = \$50,000

% of total dollars spent in Guam economy = 17.2% - this number is based on % of total Guam contracts actioned by Guam based companies in 2006. This % is used for both construction and operations; further research must be done to substantiate these figures.

	2010	2011	2012	2013	2014
*total construction spending	\$1,573,341,114	\$2,148,619,423	\$2,671,805,946	\$3,102,776,352	\$1,733,276,634
Non-Wage Construction spending	\$1,446,285,848	\$2,021,564,156	\$2,544,750,680	\$2,975,721,086	\$1,606,221,367
% spent on Guam	17.2%	17.2%	17.2%	17.2%	17.2%
Milcon Purchases on Guam	\$248,063,140	\$346,733,361	\$436,468,935	\$510,387,844	\$275,494,859

Annual operational spending = 395M in 2007 and 1.15B in 2015. 2007 figure based on total value of Guam contracts in 2006 (adjusted to 2007). 2015 figure is 2007 figure adjusted upward based on military & dependent population increase. 17.2% of this \$ is spent on Guam.

90% of construction workforce assumed to live in workforce housing, these individuals are treated as part of the military economy.

Workforce housing residents spend between 5% and 9% in the Guam economy - the spending vector is preliminary (just my best guess). Military and dependents spend 10% of their income in Guam economy, again, spending vector is preliminary.

Appendix F

TAZ Boundaries

TAZ	VILLAGE	Total Population_03	Total HHs_03	Total GroupQuarters_03	School Enrollment_03	Total Emp_03	Retail_03	Hotel_03	Other_03	Military_03
1	YIGO	1026.87	257.02	156.00	0.00	1153.00	30.00	0.00	121.00	1002.00
2	YIGO	3705.16	990.84	304.00	0.00	2180.00	266.00	0.00	1092.00	698.00
3	YIGO	1986.49	428.77	0.00	351.00	50.00	10.00	0.00	40.00	0.00
4	YIGO	1334.34	300.26	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5	YIGO	2247.11	497.22	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6	YIGO	1340.34	307.46	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7	YIGO	1077.32	245.01	0.00	651.00	105.00	21.00	0.00	84.00	0.00
8	YIGO	175.35	51.64	0.00	0.00	35.00	7.00	0.00	28.00	0.00
9	YIGO	4061.86	918.78	4.00	3423.00	316.00	62.00	0.00	254.00	0.00
10	YIGO	451.58	100.89	0.00	0.00	105.00	71.00	0.00	34.00	0.00
11	YIGO	638.94	212.58	0.00	0.00	35.00	7.00	0.00	28.00	0.00
12	YIGO	1902.42	427.56	0.00	683.00	105.00	21.00	0.00	84.00	0.00
13	YIGO	635.34	157.33	0.00	0.00	0.00	0.00	0.00	0.00	0.00
14	YIGO	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
15	DEDEDO	10.81	0.00	9.00	0.00	0.00	0.00	0.00	0.00	0.00
16	DEDEDO	486.41	118.90	121.00	0.00	193.00	0.00	0.00	0.00	193.00
17	DEDEDO	1569.74	338.69	0.00	0.00	63.00	12.00	0.00	51.00	0.00
18	DEDEDO	6250.12	1443.63	26.00	1091.00	126.00	25.00	0.00	101.00	0.00
19	DEDEDO	1776.31	385.53	2.00	0.00	63.00	12.00	0.00	51.00	0.00
20	DEDEDO	1306.71	371.12	0.00	0.00	0.00	0.00	0.00	0.00	0.00
21	DEDEDO	3448.14	729.02	0.00	634.00	126.00	25.00	0.00	101.00	0.00
22	DEDEDO	56.45	9.61	0.00	0.00	0.00	0.00	0.00	0.00	0.00
23	DEDEDO	3832.46	851.53	0.00	754.00	126.00	25.00	0.00	101.00	0.00
24	DEDEDO	2887.26	695.39	3.00	0.00	252.00	49.00	0.00	203.00	0.00
25	DEDEDO	1346.35	305.06	4.00	2624.00	315.00	62.00	0.00	253.00	0.00
26	DEDEDO	2496.93	541.66	15.00	0.00	63.00	12.00	0.00	51.00	0.00
27	DEDEDO	6609.23	1461.64	48.00	0.00	63.00	12.00	0.00	51.00	0.00
28	DEDEDO	1692.24	408.35	23.00	0.00	944.00	785.00	0.00	159.00	0.00
29	DEDEDO	169.34	43.24	0.00	0.00	63.00	12.00	0.00	51.00	0.00
30	DEDEDO	3942.96	933.19	26.00	0.00	31.00	6.00	0.00	25.00	0.00
31	DEDEDO	946.41	231.80	0.00	0.00	31.00	6.00	0.00	25.00	0.00
32	DEDEDO	1070.11	296.65	0.00	699.00	252.00	49.00	0.00	203.00	0.00
33	DEDEDO	2549.77	618.53	1.00	0.00	252.00	49.00	0.00	203.00	0.00
34	DEDEDO	130.91	33.63	0.00	0.00	157.00	81.00	0.00	76.00	0.00
35	DEDEDO	3147.88	841.92	3.00	0.00	157.00	31.00	0.00	126.00	0.00
36	DEDEDO	0.00	0.00	0.00	0.00	63.00	12.00	0.00	51.00	0.00
37	TAMUNING	72.06	14.41	1.00	0.00	123.00	24.00	0.00	99.00	0.00
38	TAMUNING	982.44	320.67	0.00	0.00	123.00	24.00	0.00	99.00	0.00
39	TAMUNING	869.54	270.23	25.00	550.00	1234.00	424.00	0.00	810.00	0.00
40	TAMUNING	31.23	9.61	0.00	0.00	0.00	0.00	0.00	0.00	0.00
41	TAMUNING	414.35	128.51	0.00	1152.00	617.00	121.00	0.00	496.00	0.00

TAZ	VILLAGE	Total Population_03	Total HHs_03	Total GroupQuarters_03	School Enrollment_03	Total Emp_03	Retail_03	Hotel_03	Other_03	Military_03
42	TAMUNING	891.16	289.45	0.00	0.00	123.00	24.00	0.00	99.00	0.00
43	TAMUNING	14.41	7.21	0.00	0.00	624.00	122.00	475.00	27.00	0.00
44	TAMUNING	82.87	46.84	2.00	0.00	702.00	122.00	537.00	43.00	0.00
45	TAMUNING	110.49	37.23	0.00	0.00	312.00	76.00	0.00	236.00	0.00
46	TAMUNING	797.48	299.05	0.00	0.00	445.00	121.00	7.00	317.00	0.00
47	TAMUNING	230.60	138.12	3.00	0.00	624.00	122.00	140.00	362.00	0.00
48	TAMUNING	648.55	301.46	0.00	0.00	546.00	122.00	0.00	424.00	0.00
49	TAMUNING	295.45	94.88	0.00	0.00	858.00	153.00	690.00	15.00	0.00
50	TAMUNING	8.41	6.01	0.00	0.00	1325.00	229.00	1042.00	54.00	0.00
51	TAMUNING	731.42	330.28	0.00	0.00	780.00	353.00	261.00	166.00	0.00
52	TAMUNING	31.23	12.01	0.00	500.00	624.00	153.00	0.00	471.00	0.00
53	TAMUNING	60.05	30.03	0.00	0.00	1403.00	275.00	0.00	1128.00	0.00
54	TAMUNING	2468.10	719.41	42.00	0.00	378.00	74.00	0.00	304.00	0.00
55	TAMUNING	1636.99	545.26	0.00	0.00	1234.00	242.00	0.00	992.00	0.00
56	TAMUNING	969.23	447.98	0.00	0.00	1234.00	42.00	853.00	339.00	0.00
57	TAMUNING	3968.18	1189.01	0.00	0.00	1234.00	542.00	0.00	692.00	0.00
58	TAMUNING	146.52	64.86	0.00	0.00	617.00	121.00	0.00	496.00	0.00
59	TAMUNING	136.92	44.44	15.00	0.00	617.00	121.00	0.00	496.00	0.00
60	TAMUNING	226.99	60.05	2.00	0.00	617.00	121.00	0.00	496.00	0.00
61	TAMUNING	192.16	48.04	3.00	0.00	617.00	121.00	0.00	496.00	0.00
62	TAMUNING	199.37	50.44	0.00	0.00	617.00	271.00	0.00	346.00	0.00
63	TAMUNING	16.81	4.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00
64	TAMUNING	546.47	157.33	9.00	0.00	1234.00	242.00	0.00	992.00	0.00
65	TAMUNING	626.93	246.21	0.00	0.00	1234.00	242.00	0.00	992.00	0.00
66	TAMUNING	330.28	79.27	37.00	0.00	247.00	48.00	0.00	199.00	0.00
67	TAMUNING	114.10	9.61	74.00	0.00	2269.00	594.00	0.00	1675.00	0.00
68	TAMUNING	709.80	166.94	130.00	0.00	3025.00	93.00	0.00	2932.00	0.00
69	TAMUNING	481.61	117.70	11.00	0.00	1891.00	170.00	0.00	1721.00	0.00
70	TAMUNING	0.00	0.00	0.00	0.00	600.00	295.00	0.00	305.00	0.00
71	BARRIGADA	0.00	0.00	0.00	0.00	16.00	3.00	0.00	13.00	0.00
72	BARRIGADA	2045.34	528.45	24.00	0.00	647.00	177.00	0.00	470.00	0.00
73	BARRIGADA	13.21	6.01	0.00	0.00	308.00	0.00	0.00	308.00	0.00
74	BARRIGADA	1677.83	416.75	50.00	950.00	307.00	60.00	0.00	247.00	0.00
75	BARRIGADA	3377.28	769.86	10.00	797.00	100.00	20.00	0.00	80.00	0.00
76	BARRIGADA	1531.30	363.91	8.00	1602.00	647.00	127.00	0.00	520.00	0.00
77	BARRIGADA	0.00	0.00	0.00	0.00	152.00	0.00	0.00	0.00	152.00
78	MANGILAO	4171.15	1013.66	16.00	0.00	136.00	27.00	0.00	109.00	0.00
79	MANGILAO	15.61	4.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00
80	MANGILAO	1633.39	360.31	4.00	0.00	272.00	53.00	0.00	219.00	0.00
81	MANGILAO	599.31	138.12	0.00	0.00	27.00	5.00	0.00	22.00	0.00
82	MANGILAO	1014.86	236.60	0.00	0.00	109.00	21.00	0.00	88.00	0.00

TAZ	VILLAGE	Total Population_03	Total HHs_03	Total GroupQuarters_03	School Enrollment_03	Total Emp_03	Retail_03	Hotel_03	Other_03	Military_03
124	PITI	127.31	24.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00
125	YONA	4.80	1.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
126	YONA	114.10	45.64	0.00	0.00	290.00	14.00	0.00	276.00	0.00
127	YONA	1035.28	217.39	18.00	0.00	0.00	0.00	0.00	0.00	0.00
128	YONA	911.58	172.95	0.00	0.00	142.00	28.00	0.00	114.00	0.00
129	YONA	1120.55	230.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00
130	YONA	719.41	170.55	2.00	799.00	106.00	21.00	0.00	85.00	0.00
131	YONA	805.89	182.56	24.00	0.00	0.00	0.00	0.00	0.00	0.00
132	YONA	134.51	49.24	0.00	164.00	50.00	10.00	0.00	40.00	0.00
133	YONA	1545.72	377.12	0.00	0.00	18.00	3.00	0.00	15.00	0.00
134	YONA	459.99	114.10	0.00	0.00	18.00	3.00	0.00	15.00	0.00
135	SANTA RITA	2574.99	631.74	578.00	0.00	4888.00	436.00	0.00	2301.00	2151.00
136	SANTA RITA	1369.17	356.70	0.00	0.00	15.00	3.00	0.00	12.00	0.00
137	SANTA RITA	1633.39	422.76	0.00	1860.00	335.00	0.00	0.00	255.00	0.00
138	SANTA RITA	726.62	176.55	0.00	0.00	15.00	3.00	0.00	12.00	0.00
139	SANTA RITA	1273.08	295.45	0.00	118.00	30.00	6.00	0.00	24.00	0.00
140	SANTA RITA	0.00	0.00	0.00	0.00	15.00	3.00	0.00	12.00	0.00
141	AGAT	438.37	109.29	1.00	0.00	25.00	5.00	18.00	2.00	0.00
142	AGAT	4214.39	958.42	19.00	1166.00	200.00	39.00	0.00	161.00	0.00
143	AGAT	1324.73	307.46	0.00	0.00	25.00	5.00	0.00	20.00	0.00
144	TALOFOFO	31.23	10.81	0.00	0.00	0.00	0.00	0.00	0.00	0.00
145	TALOFOFO	1466.45	312.27	0.00	352.00	59.00	11.00	0.00	48.00	0.00
146	TALOFOFO	893.56	245.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00
147	TALOFOFO	1006.46	213.78	20.00	235.00	59.00	11.00	0.00	48.00	0.00
148	UMATAC	938.00	170.55	0.00	97.00	50.00	10.00	0.00	40.00	0.00
149	INARAJAN	330.28	80.47	0.00	0.00	8.00	2.00	0.00	6.00	0.00
150	INARAJAN	2171.45	457.59	14.00	0.00	0.00	0.00	0.00	0.00	0.00
151	INARAJAN	493.62	96.08	0.00	716.00	101.00	20.00	0.00	81.00	0.00
152	INARAJAN	231.80	45.64	0.00	333.00	47.00	9.00	0.00	38.00	0.00
153	MERIZO	1065.31	229.40	0.00	283.00	44.00	9.00	0.00	35.00	0.00
154	MERIZO	1220.24	269.03	0.00	0.00	44.00	9.00	0.00	35.00	0.00
155	SANTA RITA	349.50	0.00	291.00	0.00	1128.00	11.00	0.00	45.00	1072.00
156	BARRIGADA	0.00	0.00	0.00	0.00	300.00	0.00	0.00	300.00	0.00
157	BARRIGADA	0.00	0.00	0.00	0.00	300.00	0.00	0.00	300.00	0.00

TAZ	VILLAGE	Total Population_08	Total HHs_08	Group Quarters_08	School Enrollment_08	Total Employment_08	Retail_08	Hotel_08	Other_08	Military_08
1	YIGO	149.93	28.92	46.62	0.00	16.55	0.00	0.00	0.00	0.00
2	YIGO	2780.02	623.66	1113.24	0.00	4971.63	436.00	0.00	2301.00	2356.83
3	YIGO	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4	YIGO	7.04	0.71	4.86	0.00	880.00	72.00	0.00	808.00	0.00
5	YIGO	801.71	211.00	0.00	834.40	334.69	69.00	0.00	283.00	0.00
6	YIGO	2154.73	470.44	15.79	0.00	2.53	0.00	0.00	0.00	0.00
7	YIGO	1083.68	231.05	20.90	232.20	60.77	11.00	0.00	48.00	0.00
8	YIGO	1011.21	276.91	1.79	0.00	9.10	0.00	0.00	0.00	0.00
9	YIGO	534.90	110.14	0.90	0.00	9.26	2.00	0.00	6.00	0.00
10	YIGO	530.52	103.41	0.00	708.00	90.64	20.00	0.00	81.00	0.00
11	YIGO	248.99	49.06	0.00	329.40	43.46	9.00	0.00	38.00	0.00
12	YIGO	1287.53	289.06	0.00	0.00	40.21	9.00	0.00	35.00	0.00
13	YIGO	1477.45	385.05	0.00	0.00	15.38	3.00	0.00	12.00	0.00
14	YIGO	1835.55	466.22	0.00	2143.56	305.69	0.00	0.00	255.00	0.00
15	DEDEDO	345.91	0.00	338.52	0.00	1150.49	11.00	0.00	45.00	1174.60
16	DEDEDO	709.89	180.42	0.00	0.00	15.38	3.00	0.00	12.00	0.00
17	DEDEDO	2.78	0.71	0.00	0.00	0.00	0.00	0.00	0.00	0.00
18	DEDEDO	366.91	97.49	0.00	0.00	29.30	5.00	0.00	20.00	0.00
19	DEDEDO	159.28	50.15	0.10	0.00	1.52	0.00	0.00	0.00	0.00
20	DEDEDO	934.03	299.35	0.00	0.00	3.92	0.00	0.00	0.00	0.00
21	DEDEDO	0.00	0.00	0.00	0.00	408.83	81.00	0.00	332.00	0.00
22	DEDEDO	337.00	72.60	0.00	165.18	59.76	2.00	0.00	7.00	0.00
23	DEDEDO	33.11	11.71	0.00	0.00	3.92	0.00	0.00	0.00	0.00
24	DEDEDO	1009.00	178.09	0.00	134.19	47.47	10.00	0.00	40.00	0.00
25	DEDEDO	1727.71	379.67	0.00	38.39	37.38	5.00	0.00	20.00	0.00
26	DEDEDO	1441.94	384.43	0.00	0.00	23.56	3.00	0.00	15.00	0.00
27	DEDEDO	1524.69	333.02	1.79	348.00	60.52	11.00	0.00	48.00	0.00
28	DEDEDO	1169.02	254.59	0.00	394.98	40.46	9.00	0.00	35.00	0.00
29	DEDEDO	951.22	220.78	20.41	0.00	15.16	0.00	0.00	0.00	0.00
30	DEDEDO	664.41	169.28	0.00	76.79	31.01	3.00	0.00	15.00	0.00
31	DEDEDO	0.00	0.00	0.00	0.00	15.38	3.00	0.00	12.00	0.00
32	DEDEDO	4227.34	985.65	17.21	1153.20	199.62	39.00	0.00	161.00	0.00
33	DEDEDO	471.44	116.95	1.00	0.00	30.31	5.00	16.68	2.00	0.00
34	DEDEDO	1372.93	318.58	0.00	116.40	30.88	6.00	0.00	24.00	0.00
35	DEDEDO	0.00	0.00	0.00	0.00	22.54	4.00	0.00	15.00	0.00
36	DEDEDO	1.80	0.00	0.93	0.00	0.00	0.00	0.00	0.00	0.00
37	TAMUNING	81.21	70.27	12.52	0.00	199.82	0.00	0.00	0.00	227.20
38	TAMUNING	218.17	219.31	0.00	0.00	0.00	0.00	0.00	0.00	0.00
39	TAMUNING	1198.15	261.51	393.59	0.00	1141.13	30.00	0.00	121.00	1038.10
40	TAMUNING	760.21	184.64	2.00	790.20	104.86	21.00	0.00	85.00	0.00
41	TAMUNING	1188.32	251.62	0.00	76.79	15.03	0.00	0.00	0.00	0.00

TAZ	VILLAGE	Total Population_08	Total HHs_08	Group Quarters_08	School Enrollment_08	Total Employment_08	Retail_08	Hotel_08	Other_08	Military_08
42	TAMUNING	65.91	26.97	0.00	0.00	279.51	14.00	129.04	276.00	0.00
43	TAMUNING	1133.57	245.04	21.59	0.00	15.16	0.00	0.00	0.00	0.00
44	TAMUNING	201.03	56.91	0.00	162.40	49.49	10.00	0.00	40.00	0.00
45	TAMUNING	1200.67	361.30	0.00	0.00	134.62	24.00	50.04	99.00	0.00
46	TAMUNING	947.33	455.76	0.00	0.00	1222.38	42.00	658.78	339.00	0.00
47	TAMUNING	179.50	58.37	0.00	0.00	626.73	121.00	0.00	496.00	0.00
48	TAMUNING	248.48	68.99	0.21	0.00	682.80	122.00	448.78	43.00	0.00
49	TAMUNING	34.69	13.26	0.90	0.00	611.75	122.00	407.19	27.00	0.00
50	TAMUNING	397.42	60.49	9.86	0.00	30.82	0.00	0.00	0.00	0.00
51	TAMUNING	1498.90	216.34	137.17	0.00	31.20	0.00	0.00	0.00	0.00
52	TAMUNING	1056.00	162.32	1.00	0.00	150.29	24.00	204.10	99.00	0.00
53	TAMUNING	883.31	214.87	0.00	0.00	8.72	0.00	0.00	0.00	0.00
54	TAMUNING	1373.37	316.18	0.00	643.80	103.48	21.00	0.00	84.00	0.00
55	TAMUNING	3586.06	963.91	499.45	453.53	2168.88	266.00	0.00	1092.00	723.97
56	TAMUNING	1774.22	393.31	4.00	0.00	279.96	53.00	0.00	219.00	0.00
57	TAMUNING	661.18	249.27	16.93	544.00	1253.58	424.00	0.00	810.00	0.00
58	TAMUNING	3784.80	1200.05	9.86	102.78	1254.34	542.00	0.00	692.00	0.00
59	TAMUNING	1013.88	230.42	22.45	0.00	1242.34	242.00	102.05	992.00	0.00
60	TAMUNING	555.84	154.07	0.00	1139.20	626.73	121.00	0.00	496.00	0.00
61	TAMUNING	1085.04	326.08	0.00	0.00	125.02	24.00	0.00	99.00	0.00
62	TAMUNING	103.11	38.36	0.00	0.00	325.64	76.00	40.82	236.00	0.00
63	TAMUNING	89.16	103.30	1.21	0.00	636.13	122.00	425.08	362.00	0.00
64	TAMUNING	532.76	282.45	0.00	0.00	556.74	122.00	126.41	424.00	0.00
65	TAMUNING	71.05	21.55	0.90	0.00	1352.41	229.00	1189.48	54.00	0.00
66	TAMUNING	4805.90	990.80	1.79	746.00	130.04	25.00	0.00	101.00	0.00
67	TAMUNING	1393.81	382.03	19.41	0.00	942.99	785.00	0.00	159.00	0.00
68	TAMUNING	216.65	343.91	18.83	0.00	1253.45	242.00	0.00	992.00	0.00
69	TAMUNING	3874.54	796.51	0.00	626.80	130.04	25.00	0.00	101.00	0.00
70	TAMUNING	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
71	BARRIGADA	731.44	247.93	0.00	0.00	34.37	7.00	0.00	28.00	0.00
72	BARRIGADA	1865.15	431.42	0.00	675.40	103.48	21.00	0.00	84.00	0.00
73	BARRIGADA	4466.82	1094.38	17.79	0.00	139.92	27.00	0.00	109.00	0.00
74	BARRIGADA	6.36	2.84	0.00	0.00	0.00	0.00	0.00	0.00	0.00
75	BARRIGADA	661.08	283.08	0.00	0.00	473.68	121.00	6.34	317.00	0.00
76	BARRIGADA	246.18	55.80	2.10	0.00	624.45	121.00	0.00	496.00	0.00
77	BARRIGADA	141.88	45.35	1.79	0.00	627.11	271.00	0.00	346.00	0.00
78	MANGILAO	183.66	55.94	2.00	0.00	626.73	121.00	0.00	496.00	0.00
79	MANGILAO	184.69	81.02	0.00	0.00	839.43	153.00	582.69	15.00	0.00
80	MANGILAO	326.50	48.41	0.90	494.40	662.40	153.00	0.00	471.00	0.00
81	MANGILAO	342.52	45.36	39.93	0.00	2197.24	594.00	0.00	1675.00	0.00
82	MANGILAO	773.36	350.62	0.00	0.00	892.81	353.00	910.16	166.00	0.00

TAZ	VILLAGE	Total Population_08	Total HHs_08	Group Quarters_08	School Enrollment_08	Total Employment_08	Retail_08	Hotel_08	Other_08	Military_08
83	MANGILAO	269.80	87.28	1.79	115.18	1436.86	275.00	0.00	1128.00	0.00
84	MANGILAO	937.06	168.95	117.69	0.00	1841.23	170.00	0.00	1721.00	0.00
85	MANGILAO	3219.55	864.46	34.83	0.00	383.56	74.00	3.95	304.00	0.00
86	MANGILAO	2365.56	644.10	3.00	0.00	259.45	49.00	0.00	203.00	0.00
87	MANGILAO	3649.76	921.25	15.24	0.00	32.14	6.00	0.00	25.00	0.00
88	MANGILAO	251.53	55.41	1.79	0.00	64.64	12.00	0.00	51.00	0.00
89	MONGMONG-TOTO-MAITE	0.00	0.00	0.00	696.70	102.41	12.00	0.00	51.00	0.00
90	MONGMONG-TOTO-MAITE	2106.29	508.26	67.90	0.00	65.40	12.00	0.00	51.00	0.00
91	MONGMONG-TOTO-MAITE	7981.05	1663.45	53.38	0.00	78.79	12.00	0.00	51.00	0.00
92	MONGMONG-TOTO-MAITE	1568.48	345.12	2.21	2594.80	314.24	62.00	0.00	253.00	0.00
93	MONGMONG-TOTO-MAITE	6490.77	1508.41	12.55	1078.60	130.04	25.00	0.00	101.00	0.00
94	AGANA	2415.22	529.49	0.00	347.00	49.12	10.00	0.00	40.00	0.00
95	MONGMONG-TOTO-MAITE	3527.01	916.81	2.10	0.00	161.67	31.00	0.00	126.00	0.00
96	MONGMONG-TOTO-MAITE	2190.09	595.00	1.00	0.00	259.45	49.00	0.00	203.00	0.00
97	SINAJANA	2383.04	627.26	131.59	0.00	636.89	177.00	0.00	470.00	0.00
98	AGANA	1250.79	322.56	4.48	691.00	259.45	49.00	0.00	203.00	0.00
99	AGANA	7.47	3.55	0.00	0.00	329.35	0.00	0.00	308.00	0.00
100	AGANA	0.00	0.00	0.00	0.00	24.26	0.00	0.00	0.00	0.00
101	AGANA	0.00	0.00	0.00	0.00	44.42	3.00	0.00	13.00	0.00
102	AGANA	10.66	98.65	13.45	0.00	3070.98	93.00	5.93	2932.00	0.00
103	SINAJANA	0.00	0.00	0.00	0.00	568.16	295.00	0.00	305.00	0.00
104	AGANA	640.28	143.79	25.34	0.00	427.53	48.00	0.00	199.00	0.00
105	AGANA	9.41	145.50	0.00	0.00	1220.36	242.00	0.00	992.00	0.00
106	AGANA HEIGHTS	172.64	39.92	0.90	0.00	163.82	81.00	0.00	76.00	0.00
107	AGANA HEIGHTS	1364.25	296.10	8.07	0.00	32.14	6.00	0.00	25.00	0.00
108	AGANA HEIGHTS	56.45	19.22	10.00	0.00	283.00	105.00	0.00	178.00	0.00
109	ASAN	105.69	31.23	9.00	0.00	707.00	188.00	0.00	519.00	0.00
110	ASAN	1900.88	594.93	36.59	12165.93	1401.75	139.00	0.00	1255.00	9.90
111	ASAN	1145.09	351.24	16.14	0.00	221.04	43.00	66.02	106.00	0.00
112	ASAN	911.23	236.78	19.34	0.00	76.99	11.00	0.00	43.00	0.00
113	ORDOT	1626.32	375.59	86.31	0.00	28.68	0.00	0.00	0.00	0.00
114	ORDOT	504.20	180.50	2.21	0.00	344.23	70.00	0.00	288.00	0.00
115	YONA	1574.76	484.21	57.38	0.00	93.11	16.00	0.00	67.00	0.00
116	ORDOT	902.79	246.33	0.90	0.00	51.38	10.00	0.00	41.00	0.00
117	ORDOT	1845.70	478.67	26.97	395.60	51.25	10.00	0.00	41.00	0.00
118	ORDOT	1866.78	249.23	806.00	647.80	647.16	133.00	0.00	546.00	0.00
119	PITI	921.89	220.81	0.00	0.00	112.16	21.00	0.00	88.00	0.00
120	PITI	1242.96	312.30	58.86	1405.00	104.13	20.00	0.00	84.00	0.00
121	PITI	854.33	255.17	1.00	0.00	10.11	0.00	0.00	0.00	0.00
122	PITI	2387.44	591.16	2.00	585.60	292.34	58.00	0.00	238.00	0.00
123	PITI	81.67	20.42	3.00	0.00	2331.00	457.00	0.00	1874.00	0.00

TAZ	VILLAGE	Total Population_08	Total HHs_08	Group Quarters_08	School Enrollment_08	Total Employment_08	Retail_08	Hotel_08	Other_08	Military_08
124	PITI	2504.64	600.22	10.90	0.00	57.12	11.00	0.00	47.00	0.00
125	YONA	108.09	46.84	1.00	0.00	1399.00	174.00	19.00	1206.00	0.00
126	YONA	13.21	2.40	9.00	0.00	1399.00	174.00	0.00	1225.00	0.00
127	YONA	1460.80	351.81	29.59	627.80	74.87	15.00	0.00	60.00	0.00
128	YONA	1491.04	435.01	7.00	0.00	41.62	6.00	0.00	24.00	0.00
129	YONA	106.19	39.04	0.00	0.00	499.99	105.00	0.00	432.00	0.00
130	YONA	2384.44	688.55	0.00	0.00	35.76	7.00	0.00	28.00	0.00
131	YONA	696.33	163.43	0.00	0.00	38.24	5.00	0.00	22.00	0.00
132	YONA	3593.41	841.50	10.90	788.20	118.95	20.00	0.00	80.00	0.00
133	YONA	1069.04	298.97	1.90	38.39	81.37	16.00	0.00	66.00	0.00
134	YONA	944.82	231.03	0.00	0.00	47.81	8.00	0.00	34.00	0.00
135	SANTA RITA	552.47	158.54	17.00	0.00	721.00	138.00	0.00	569.00	14.00
136	SANTA RITA	13.21	2.40	4.00	0.00	1399.00	274.00	0.00	1125.00	0.00
137	SANTA RITA	1736.19	533.75	7.00	640.98	112.47	23.00	0.00	92.00	0.00
138	SANTA RITA	236.31	74.51	55.86	0.00	562.64	4.00	0.00	15.00	512.90
139	SANTA RITA	233.00	0.00	10.00	400.00	1865.00	115.00	0.00	1750.00	0.00
140	SANTA RITA	786.32	153.74	8.07	0.00	132.78	28.00	0.00	114.00	0.00
141	AGAT	0.00	0.00	0.00	0.00	167.41	0.00	0.00	0.00	144.40
142	AGAT	3.42	0.71	0.00	0.00	0.00	0.00	0.00	0.00	0.00
143	AGAT	0.00	0.00	0.00	0.00	316.55	0.00	0.00	300.00	0.00
144	TALOFOFO	1554.19	379.08	7.10	1584.40	599.25	127.00	0.00	520.00	0.00
145	TALOFOFO	1793.85	458.17	54.48	939.60	301.69	60.00	0.00	247.00	0.00
146	TALOFOFO	1505.08	376.80	0.00	172.77	63.57	9.00	0.00	36.00	0.00
147	TALOFOFO	0.00	0.00	0.00	0.00	318.32	0.00	0.00	300.00	0.00
148	UMATAC	319.22	68.39	5.14	0.00	626.73	121.00	0.00	496.00	0.00
149	INARAJAN	27.83	7.75	0.00	0.00	5.68	0.00	0.00	0.00	0.00
150	INARAJAN	1823.20	380.95	6.28	0.00	65.40	12.00	0.00	51.00	0.00
151	INARAJAN	1852.46	429.17	0.00	0.00	17.43	0.00	0.00	0.00	0.00
152	INARAJAN	2520.79	483.89	11.86	0.00	78.79	12.00	0.00	51.00	0.00
153	MERIZO	2143.60	491.81	0.00	0.00	17.43	0.00	0.00	0.00	0.00
154	MERIZO	1548.89	354.15	0.00	0.00	17.43	0.00	0.00	0.00	0.00
155	SANTA RITA	554.32	125.88	0.00	0.00	103.99	71.00	0.00	34.00	0.00
156	BARRIGADA	3850.88	900.06	1.31	3385.01	311.20	62.00	0.00	254.00	0.00
157	BARRIGADA	125.29	37.47	0.00	0.00	34.37	7.00	0.00	28.00	0.00

TAZ	VILLAGE	Total Population_13NoBuild	Total HHs_13NoBuild	GroupQuarters_13NoBuild	School Enrollment_13NoBuild	Total Employment_13NoBuild	Retail_13NoBuild	Hotel_13NoBuild	Other_13NoBuild	Military_13NoBuild
1	YIGO	1437.00	271.00	421.00	0.00	1059.00	0.00	0.00	0.00	1059.00
2	YIGO	3535.00	927.00	522.00	1144.00	2092.00	261.00	0.00	1092.00	739.00
3	YIGO	2999.00	674.00	0.00	345.00	43.00	9.00	0.00	34.00	0.00
4	YIGO	1850.00	431.00	0.00	0.00	138.00	10.00	0.00	128.00	0.00
5	YIGO	2073.00	483.00	0.00	0.00	138.00	10.00	0.00	128.00	0.00
6	YIGO	2523.00	604.00	0.00	0.00	138.00	10.00	0.00	128.00	0.00
7	YIGO	1769.00	418.00	0.00	639.00	93.00	20.00	0.00	73.00	0.00
8	YIGO	68.00	18.00	0.00	0.00	30.00	6.00	0.00	24.00	0.00
9	YIGO	3695.00	871.00	1.00	3359.00	278.00	57.00	0.00	221.00	0.00
10	YIGO	694.00	162.00	0.00	0.00	97.00	67.00	0.00	30.00	0.00
11	YIGO	863.00	298.00	0.00	0.00	30.00	6.00	0.00	24.00	0.00
12	YIGO	1868.00	436.00	0.00	671.00	93.00	20.00	0.00	73.00	0.00
13	YIGO	1207.00	297.00	0.00	0.00	69.00	0.00	0.00	69.00	0.00
14	YIGO	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
15	DEDEDO	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
16	DEDEDO	0.00	0.00	0.00	0.00	247.00	0.00	0.00	0.00	247.00
17	DEDEDO	1923.00	441.00	7.00	0.00	82.00	18.00	0.00	64.00	0.00
18	DEDEDO	6709.00	1598.00	11.00	1070.00	158.00	35.00	0.00	123.00	0.00
19	DEDEDO	2739.00	625.00	13.00	0.00	188.00	94.00	0.00	94.00	0.00
20	DEDEDO	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
21	DEDEDO	4063.00	892.00	0.00	621.00	158.00	35.00	0.00	123.00	0.00
22	DEDEDO	1834.00	515.00	153.00	0.00	247.00	77.00	0.00	170.00	0.00
23	DEDEDO	5131.00	1189.00	2.00	740.00	158.00	35.00	0.00	123.00	0.00
24	DEDEDO	2319.00	568.00	3.00	0.00	311.00	70.00	0.00	241.00	0.00
25	DEDEDO	1655.00	402.00	2.00	2575.00	309.00	89.00	0.00	220.00	0.00
26	DEDEDO	2080.00	459.00	74.00	0.00	82.00	18.00	0.00	64.00	0.00
27	DEDEDO	8471.00	1951.00	54.00	0.00	188.00	94.00	0.00	94.00	0.00
28	DEDEDO	1368.00	343.00	19.00	0.00	936.00	822.00	0.00	114.00	0.00
29	DEDEDO	275.00	73.00	2.00	0.00	76.00	18.00	0.00	58.00	0.00
30	DEDEDO	3684.00	901.00	14.00	0.00	40.00	8.00	0.00	32.00	0.00
31	DEDEDO	1485.00	388.00	9.00	0.00	40.00	8.00	0.00	32.00	0.00
32	DEDEDO	1320.00	359.00	5.00	685.00	311.00	70.00	0.00	241.00	0.00
33	DEDEDO	2173.00	560.00	1.00	0.00	311.00	70.00	0.00	241.00	0.00
34	DEDEDO	186.00	49.00	1.00	0.00	211.00	116.00	0.00	95.00	0.00
35	DEDEDO	3697.00	1023.00	2.00	0.00	194.00	44.00	0.00	150.00	0.00
36	DEDEDO	0.00	0.00	0.00	1759.00	375.00	140.00	0.00	235.00	0.00
37	TAMUNING	1099.00	376.00	1.00	0.00	339.00	29.00	310.00	0.00	0.00
38	TAMUNING	1235.00	418.00	0.00	0.00	215.00	28.00	76.00	111.00	0.00
39	TAMUNING	675.00	218.00	16.00	540.00	1389.00	275.00	0.00	1114.00	0.00
40	TAMUNING	413.00	133.00	11.00	0.00	244.00	0.00	0.00	244.00	0.00
41	TAMUNING	573.00	191.00	0.00	1130.00	694.00	138.00	0.00	556.00	0.00

TAZ	VILLAGE	Total Population_13NoBuild	Total HHs_13NoBuild	GroupQuarters_13NoBuild	School Enrollment_13NoBuild	Total Employment_13NoBuild	Retail_13NoBuild	Hotel_13NoBuild	Other_13NoBuild	Military_13NoBuild
42	TAMUNING	1116.00	378.00	0.00	0.00	139.00	28.00	0.00	111.00	0.00
43	TAMUNING	36.00	22.00	1.00	0.00	527.00	147.00	372.00	8.00	0.00
44	TAMUNING	257.00	100.00	0.00	0.00	550.00	147.00	403.00	0.00	0.00
45	TAMUNING	106.00	40.00	0.00	0.00	420.00	93.00	62.00	265.00	0.00
46	TAMUNING	676.00	259.00	0.00	0.00	672.00	138.00	6.00	528.00	0.00
47	TAMUNING	89.00	53.00	1.00	0.00	720.00	147.00	573.00	0.00	0.00
48	TAMUNING	545.00	254.00	0.00	0.00	631.00	147.00	192.00	292.00	0.00
49	TAMUNING	188.00	61.00	0.00	0.00	711.00	184.00	527.00	0.00	0.00
50	TAMUNING	74.00	44.00	1.00	0.00	1542.00	276.00	1266.00	0.00	0.00
51	TAMUNING	794.00	379.00	0.00	0.00	1673.00	426.00	1247.00	0.00	0.00
52	TAMUNING	339.00	100.00	1.00	490.00	928.00	184.00	0.00	744.00	0.00
53	TAMUNING	280.00	169.00	2.00	290.00	1671.00	331.00	0.00	1340.00	0.00
54	TAMUNING	3314.00	1072.00	34.00	0.00	422.00	85.00	6.00	331.00	0.00
55	TAMUNING	200.00	53.00	21.00	0.00	1388.00	275.00	0.00	1113.00	0.00
56	TAMUNING	972.00	466.00	0.00	0.00	1142.00	51.00	558.00	533.00	0.00
57	TAMUNING	3880.00	1213.00	11.00	259.00	1395.00	618.00	0.00	777.00	0.00
58	TAMUNING	184.00	49.00	0.00	0.00	694.00	138.00	0.00	556.00	0.00
59	TAMUNING	330.00	103.00	4.00	0.00	694.00	138.00	0.00	556.00	0.00
60	TAMUNING	188.00	50.00	2.00	0.00	694.00	138.00	0.00	556.00	0.00
61	TAMUNING	253.00	67.00	2.00	0.00	676.00	138.00	0.00	538.00	0.00
62	TAMUNING	144.00	38.00	2.00	0.00	697.00	309.00	0.00	388.00	0.00
63	TAMUNING	29.00	12.00	0.00	0.00	45.00	0.00	0.00	45.00	0.00
64	TAMUNING	1047.00	335.00	24.00	0.00	1300.00	276.00	155.00	869.00	0.00
65	TAMUNING	0.00	0.00	0.00	0.00	1126.00	235.00	0.00	891.00	0.00
66	TAMUNING	662.00	237.00	24.00	0.00	1676.00	334.00	0.00	1342.00	0.00
67	TAMUNING	355.00	97.00	36.00	0.00	1701.00	359.00	0.00	1342.00	0.00
68	TAMUNING	0.00	0.00	0.00	0.00	3389.00	105.00	9.00	3275.00	0.00
69	TAMUNING	968.00	243.00	130.00	0.00	1497.00	137.00	0.00	1360.00	0.00
70	TAMUNING	0.00	0.00	0.00	0.00	348.00	80.00	0.00	268.00	0.00
71	BARRIGADA	0.00	0.00	0.00	0.00	241.00	19.00	0.00	222.00	0.00
72	BARRIGADA	2896.00	769.00	144.00	0.00	567.00	174.00	0.00	393.00	0.00
73	BARRIGADA	0.00	0.00	0.00	0.00	477.00	301.00	0.00	176.00	0.00
74	BARRIGADA	1995.00	517.00	55.00	932.00	265.00	59.00	0.00	206.00	0.00
75	BARRIGADA	3975.00	942.00	11.00	782.00	250.00	37.00	0.00	213.00	0.00
76	BARRIGADA	1625.00	400.00	7.00	1572.00	269.00	87.00	0.00	182.00	0.00
77	BARRIGADA	0.00	0.00	0.00	0.00	274.00	37.00	0.00	97.00	140.00
78	MANGILAO	4791.00	1208.00	18.00	0.00	167.00	36.00	0.00	131.00	0.00
79	MANGILAO	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
80	MANGILAO	1920.00	440.00	4.00	0.00	335.00	74.00	0.00	261.00	0.00
81	MANGILAO	783.00	200.00	0.00	0.00	116.00	24.00	0.00	92.00	0.00
82	MANGILAO	880.00	198.00	0.00	0.00	134.00	29.00	0.00	105.00	0.00

TAZ	VILLAGE	Total Population_13NoBuild	Total HHs_13NoBuild	GroupQuarters_13NoBuild	School Enrollment_13NoBuild	Total Employment_13NoBuild	Retail_13NoBuild	Hotel_13NoBuild	Other_13NoBuild	Military_13NoBuild
124	PITI	167.00	36.00	52.00	0.00	131.00	14.00	0.00	117.00	0.00
125	YONA	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
126	YONA	0.00	0.00	0.00	0.00	207.00	11.00	196.00	0.00	0.00
127	YONA	1301.00	284.00	22.00	0.00	120.00	11.00	0.00	109.00	0.00
128	YONA	631.00	126.00	9.00	0.00	69.00	21.00	0.00	48.00	0.00
129	YONA	1314.00	281.00	0.00	194.00	119.00	11.00	0.00	108.00	0.00
130	YONA	837.00	204.00	2.00	784.00	97.00	16.00	0.00	81.00	0.00
131	YONA	1180.00	275.00	20.00	0.00	120.00	3.00	0.00	117.00	0.00
132	YONA	299.00	68.00	0.00	161.00	46.00	8.00	0.00	38.00	0.00
133	YONA	1333.00	394.00	0.00	0.00	62.00	3.00	0.00	59.00	0.00
134	YONA	968.00	248.00	0.00	194.00	121.00	3.00	0.00	118.00	0.00
135	SANTA RITA	2964.00	621.00	1175.00	0.00	5550.00	437.00	0.00	2637.00	2476.00
136	SANTA RITA	1575.00	425.00	0.00	0.00	18.00	3.00	0.00	15.00	0.00
137	SANTA RITA	1993.00	528.00	0.00	2593.00	103.00	0.00	0.00	103.00	0.00
138	SANTA RITA	719.00	185.00	0.00	0.00	18.00	3.00	0.00	15.00	0.00
139	SANTA RITA	1463.00	351.00	0.00	115.00	37.00	8.00	0.00	29.00	0.00
140	SANTA RITA	0.00	0.00	0.00	0.00	18.00	3.00	0.00	15.00	0.00
141	AGAT	504.00	128.00	1.00	0.00	67.00	5.00	16.00	46.00	0.00
142	AGAT	4344.00	1023.00	17.00	1144.00	197.00	42.00	0.00	155.00	0.00
143	AGAT	2017.00	483.00	0.00	96.00	123.00	5.00	0.00	118.00	0.00
144	TALOFOFO	36.00	13.00	0.00	0.00	31.00	0.00	0.00	31.00	0.00
145	TALOFOFO	1624.00	362.00	2.00	346.00	71.00	16.00	0.00	55.00	0.00
146	TALOFOFO	1158.00	322.00	2.00	0.00	72.00	17.00	0.00	55.00	0.00
147	TALOFOFO	1191.00	256.00	21.00	230.00	73.00	17.00	0.00	56.00	0.00
148	UMATAC	998.00	189.00	0.00	192.00	30.00	2.00	0.00	28.00	0.00
149	INARAJAN	671.00	153.00	1.00	0.00	18.00	4.00	0.00	14.00	0.00
150	INARAJAN	2200.00	488.00	16.00	0.00	20.00	4.00	0.00	16.00	0.00
151	INARAJAN	567.00	114.00	0.00	702.00	19.00	3.00	0.00	16.00	0.00
152	INARAJAN	265.00	53.00	0.00	327.00	19.00	5.00	0.00	14.00	0.00
153	MERIZO	1306.00	290.00	0.00	568.00	16.00	1.00	0.00	15.00	0.00
154	MERIZO	1390.00	317.00	0.00	0.00	14.00	1.00	0.00	13.00	0.00
155	SANTA RITA	353.00	2.00	344.00	0.00	1306.00	14.00	0.00	58.00	1234.00
156	BARRIGADA	0.00	0.00	0.00	0.00	445.00	0.00	0.00	445.00	0.00
157	BARRIGADA	0.00	0.00	0.00	0.00	431.00	0.00	0.00	431.00	0.00

TAZ	VILLAGE	Total Population_13BuildWithIndire ctWorkers	Total HHs_13BuildWithIndirectWork ers	GroupQuarters_13BuildWithIn directWorkers	School Enrollment_13BuildWithIndire ctWorkers	Total Employment_13BuildWithIndir ectWorkers	Retail_13BuildWithIndirectWo rkers	Hotel_13BuildWithIndirectWo rkers	Other_13BuildWithIndirectWo rkers	Military_13BuildWithIndirect Workers
1	YIGO	1437.00	271.00	421.00	0.00	1839.00	0.00	0.00	780.00	1059.00
2	YIGO	3535.00	927.00	522.00	1144.00	2482.00	261.00	0.00	1482.00	739.00
3	YIGO	3419.00	814.00	0.00	345.00	63.00	14.00	0.00	49.00	0.00
4	YIGO	2109.00	520.00	0.00	0.00	199.00	16.00	0.00	183.00	0.00
5	YIGO	2363.00	582.00	0.00	0.00	199.00	16.00	0.00	183.00	0.00
6	YIGO	2876.00	726.00	0.00	0.00	199.00	16.00	0.00	183.00	0.00
7	YIGO	1982.00	468.00	0.00	639.00	136.00	31.00	0.00	105.00	0.00
8	YIGO	77.00	21.00	0.00	0.00	43.00	9.00	0.00	34.00	0.00
9	YIGO	4213.00	1050.00	1.00	3359.00	405.00	89.00	0.00	316.00	0.00
10	YIGO	791.00	195.00	0.00	0.00	147.00	104.00	0.00	43.00	0.00
11	YIGO	984.00	351.00	0.00	0.00	43.00	9.00	0.00	34.00	0.00
12	YIGO	2129.00	525.00	0.00	671.00	136.00	31.00	0.00	105.00	0.00
13	YIGO	1352.00	332.00	0.00	0.00	99.00	0.00	0.00	99.00	0.00
14	YIGO	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
15	DEDEDO	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
16	DEDEDO	0.00	0.00	0.00	0.00	5070.00	0.00	0.00	4823.00	247.00
17	DEDEDO	2192.00	532.00	7.00	0.00	120.00	28.00	0.00	92.00	0.00
18	DEDEDO	7649.00	1925.00	11.00	1070.00	230.00	54.00	0.00	176.00	0.00
19	DEDEDO	3123.00	755.00	13.00	0.00	281.00	146.00	0.00	135.00	0.00
20	DEDEDO	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
21	DEDEDO	4632.00	1080.00	0.00	621.00	230.00	54.00	0.00	176.00	0.00
22	DEDEDO	1834.00	515.00	153.00	0.00	247.00	77.00	0.00	170.00	0.00
23	DEDEDO	5851.00	1435.00	2.00	740.00	230.00	54.00	0.00	176.00	0.00
24	DEDEDO	2644.00	683.00	3.00	0.00	454.00	109.00	0.00	345.00	0.00
25	DEDEDO	1887.00	483.00	2.00	2575.00	453.00	138.00	0.00	315.00	0.00
26	DEDEDO	2372.00	559.00	74.00	0.00	120.00	28.00	0.00	92.00	0.00
27	DEDEDO	9658.00	2356.00	54.00	0.00	281.00	146.00	0.00	135.00	0.00
28	DEDEDO	1559.00	412.00	19.00	0.00	1441.00	1278.00	0.00	163.00	0.00
29	DEDEDO	275.00	73.00	2.00	0.00	76.00	18.00	0.00	58.00	0.00
30	DEDEDO	4201.00	1084.00	14.00	0.00	58.00	12.00	0.00	46.00	0.00
31	DEDEDO	1693.00	465.00	9.00	0.00	58.00	12.00	0.00	46.00	0.00
32	DEDEDO	1505.00	428.00	5.00	685.00	454.00	109.00	0.00	345.00	0.00
33	DEDEDO	2477.00	670.00	1.00	0.00	454.00	109.00	0.00	345.00	0.00
34	DEDEDO	212.00	58.00	1.00	0.00	316.00	180.00	0.00	136.00	0.00
35	DEDEDO	4215.00	1220.00	2.00	0.00	283.00	68.00	0.00	215.00	0.00
36	DEDEDO	0.00	0.00	0.00	1759.00	375.00	140.00	0.00	235.00	0.00
37	TAMUNING	1099.00	376.00	1.00	0.00	355.00	45.00	310.00	0.00	0.00
38	TAMUNING	1235.00	418.00	0.00	0.00	279.00	44.00	76.00	159.00	0.00
39	TAMUNING	675.00	218.00	16.00	540.00	2023.00	428.00	0.00	1595.00	0.00
40	TAMUNING	413.00	133.00	11.00	0.00	349.00	0.00	0.00	349.00	0.00
41	TAMUNING	573.00	191.00	0.00	1130.00	1011.00	215.00	0.00	796.00	0.00

TAZ	VILLAGE	Total Population_13BuildWithIndirectWorkers	Total HHs_13BuildWithIndirectWorkers	GroupQuarters_13BuildWithIndirectWorkers	School Enrollment_13BuildWithIndirectWorkers	Total Employment_13BuildWithIndirectWorkers	Retail_13BuildWithIndirectWorkers	Hotel_13BuildWithIndirectWorkers	Other_13BuildWithIndirectWorkers	Military_13BuildWithIndirectWorkers
42	TAMUNING	1116.00	378.00	0.00	0.00	203.00	44.00	0.00	159.00	0.00
43	TAMUNING	36.00	22.00	1.00	0.00	612.00	229.00	372.00	11.00	0.00
44	TAMUNING	257.00	100.00	0.00	0.00	632.00	229.00	403.00	0.00	0.00
45	TAMUNING	106.00	40.00	0.00	0.00	586.00	145.00	62.00	379.00	0.00
46	TAMUNING	676.00	259.00	0.00	0.00	977.00	215.00	6.00	756.00	0.00
47	TAMUNING	89.00	53.00	1.00	0.00	802.00	229.00	573.00	0.00	0.00
48	TAMUNING	545.00	254.00	0.00	0.00	839.00	229.00	192.00	418.00	0.00
49	TAMUNING	188.00	61.00	0.00	0.00	813.00	286.00	527.00	0.00	0.00
50	TAMUNING	74.00	44.00	1.00	0.00	1695.00	429.00	1266.00	0.00	0.00
51	TAMUNING	794.00	379.00	0.00	0.00	1909.00	662.00	1247.00	0.00	0.00
52	TAMUNING	339.00	100.00	1.00	490.00	1351.00	286.00	0.00	1065.00	0.00
53	TAMUNING	280.00	169.00	2.00	290.00	2433.00	515.00	0.00	1918.00	0.00
54	TAMUNING	3314.00	1072.00	34.00	0.00	612.00	132.00	6.00	474.00	0.00
55	TAMUNING	200.00	53.00	21.00	0.00	2021.00	428.00	0.00	1593.00	0.00
56	TAMUNING	972.00	466.00	0.00	0.00	1400.00	79.00	558.00	763.00	0.00
57	TAMUNING	3880.00	1213.00	11.00	259.00	2073.00	961.00	0.00	1112.00	0.00
58	TAMUNING	184.00	49.00	0.00	0.00	1011.00	215.00	0.00	796.00	0.00
59	TAMUNING	330.00	103.00	4.00	0.00	1011.00	215.00	0.00	796.00	0.00
60	TAMUNING	188.00	50.00	2.00	0.00	1011.00	215.00	0.00	796.00	0.00
61	TAMUNING	253.00	67.00	2.00	0.00	985.00	215.00	0.00	770.00	0.00
62	TAMUNING	144.00	38.00	2.00	0.00	1035.00	480.00	0.00	555.00	0.00
63	TAMUNING	29.00	12.00	0.00	0.00	64.00	0.00	0.00	64.00	0.00
64	TAMUNING	1047.00	335.00	24.00	0.00	1828.00	429.00	155.00	1244.00	0.00
65	TAMUNING	0.00	0.00	0.00	0.00	1641.00	365.00	0.00	1276.00	0.00
66	TAMUNING	662.00	237.00	24.00	0.00	2440.00	519.00	0.00	1921.00	0.00
67	TAMUNING	355.00	97.00	36.00	0.00	2479.00	558.00	0.00	1921.00	0.00
68	TAMUNING	0.00	0.00	0.00	0.00	4860.00	163.00	9.00	4688.00	0.00
69	TAMUNING	968.00	243.00	130.00	0.00	2160.00	213.00	0.00	1947.00	0.00
70	TAMUNING	0.00	0.00	0.00	0.00	508.00	124.00	0.00	384.00	0.00
71	BARRIGADA	0.00	0.00	0.00	0.00	241.00	19.00	0.00	222.00	0.00
72	BARRIGADA	3302.00	924.00	144.00	0.00	834.00	271.00	0.00	563.00	0.00
73	BARRIGADA	0.00	0.00	0.00	0.00	477.00	301.00	0.00	176.00	0.00
74	BARRIGADA	2235.00	581.00	55.00	932.00	387.00	92.00	0.00	295.00	0.00
75	BARRIGADA	4453.00	1056.00	11.00	782.00	363.00	58.00	0.00	305.00	0.00
76	BARRIGADA	1820.00	448.00	7.00	1572.00	396.00	135.00	0.00	261.00	0.00
77	BARRIGADA	0.00	0.00	0.00	0.00	337.00	58.00	0.00	139.00	140.00
78	MANGILAO	5463.00	1450.00	18.00	0.00	244.00	56.00	0.00	188.00	0.00
79	MANGILAO	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
80	MANGILAO	2151.00	493.00	4.00	0.00	489.00	115.00	0.00	374.00	0.00
81	MANGILAO	877.00	224.00	0.00	0.00	169.00	37.00	0.00	132.00	0.00
82	MANGILAO	986.00	221.00	0.00	0.00	195.00	45.00	0.00	150.00	0.00

TAZ	VILLAGE	Total Population_13BuildWithIndire ctWorkers	Total HHs_13BuildWithIndirectWork ers	GroupQuarters_13BuildWithIn directWorkers	School Enrollment_13BuildWithIndire ctWorkers	Total Employment_13BuildWithIndir ectWorkers	Retail_13BuildWithIndirectWo rkers	Hotel_13BuildWithIndirectWo rkers	Other_13BuildWithIndirectWo rkers	Military_13BuildWithIndirect Workers
124	PITI	190.00	45.00	52.00	0.00	189.00	22.00	0.00	167.00	0.00
125	YONA	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
126	YONA	0.00	0.00	0.00	0.00	207.00	11.00	196.00	0.00	0.00
127	YONA	1301.00	284.00	22.00	0.00	120.00	11.00	0.00	109.00	0.00
128	YONA	631.00	126.00	9.00	0.00	69.00	21.00	0.00	48.00	0.00
129	YONA	1314.00	281.00	0.00	194.00	119.00	11.00	0.00	108.00	0.00
130	YONA	837.00	204.00	2.00	784.00	97.00	16.00	0.00	81.00	0.00
131	YONA	1180.00	275.00	20.00	0.00	120.00	3.00	0.00	117.00	0.00
132	YONA	299.00	68.00	0.00	161.00	46.00	8.00	0.00	38.00	0.00
133	YONA	1333.00	394.00	0.00	0.00	62.00	3.00	0.00	59.00	0.00
134	YONA	968.00	248.00	0.00	194.00	121.00	3.00	0.00	118.00	0.00
135	SANTA RITA	2964.00	621.00	1175.00	0.00	6143.00	437.00	0.00	3230.00	2476.00
136	SANTA RITA	1788.00	501.00	0.00	0.00	26.00	5.00	0.00	21.00	0.00
137	SANTA RITA	2262.00	622.00	0.00	2593.00	147.00	0.00	0.00	147.00	0.00
138	SANTA RITA	816.00	218.00	0.00	0.00	26.00	5.00	0.00	21.00	0.00
139	SANTA RITA	1463.00	351.00	0.00	115.00	37.00	8.00	0.00	29.00	0.00
140	SANTA RITA	0.00	0.00	0.00	0.00	18.00	3.00	0.00	15.00	0.00
141	AGAT	573.00	151.00	1.00	0.00	90.00	8.00	16.00	66.00	0.00
142	AGAT	4933.00	1213.00	17.00	1144.00	287.00	65.00	0.00	222.00	0.00
143	AGAT	2290.00	572.00	0.00	96.00	177.00	8.00	0.00	169.00	0.00
144	TALOFOFO	36.00	13.00	0.00	0.00	31.00	0.00	0.00	31.00	0.00
145	TALOFOFO	1624.00	362.00	2.00	346.00	71.00	16.00	0.00	55.00	0.00
146	TALOFOFO	1158.00	322.00	2.00	0.00	72.00	17.00	0.00	55.00	0.00
147	TALOFOFO	1191.00	256.00	21.00	230.00	73.00	17.00	0.00	56.00	0.00
148	UMATAC	998.00	189.00	0.00	192.00	30.00	2.00	0.00	28.00	0.00
149	INARAJAN	671.00	153.00	1.00	0.00	18.00	4.00	0.00	14.00	0.00
150	INARAJAN	2200.00	488.00	16.00	0.00	20.00	4.00	0.00	16.00	0.00
151	INARAJAN	567.00	114.00	0.00	702.00	19.00	3.00	0.00	16.00	0.00
152	INARAJAN	265.00	53.00	0.00	327.00	19.00	5.00	0.00	14.00	0.00
153	MERIZO	1306.00	290.00	0.00	568.00	16.00	1.00	0.00	15.00	0.00
154	MERIZO	1390.00	317.00	0.00	0.00	14.00	1.00	0.00	13.00	0.00
155	SANTA RITA	400.00	18.00	344.00	0.00	1339.00	22.00	0.00	83.00	1234.00
156	BARRIGADA	0.00	0.00	0.00	0.00	445.00	0.00	0.00	445.00	0.00
157	BARRIGADA	0.00	0.00	0.00	0.00	431.00	0.00	0.00	431.00	0.00

TAZ	VILLAGE	Total Population_13BuildWithout directWorkers	Total HHs_13BuildWithoutIndirect Workers	GroupQuarters_13BuildWith outIndirectWorkers	School Enrollment_13BuildWithout directWorkers	Total Employment_13BuildWithout IndirectWorkers	Retail_13BuildWithoutIndirect Workers	Hotel_13BuildWithoutIndirect Workers	Other_13BuildWithoutIndirect Workers	Military_13BuildWithoutIndire ctWorkers
1	YIGO	1437.00	271.00	421.00	0.00	1839.00	0.00	0.00	780.00	1059.00
2	YIGO	3535.00	927.00	522.00	1144.00	2482.00	261.00	0.00	1482.00	739.00
3	YIGO	3059.00	734.00	0.00	345.00	43.00	9.00	0.00	34.00	0.00
4	YIGO	1887.00	468.00	0.00	0.00	138.00	10.00	0.00	128.00	0.00
5	YIGO	2114.00	524.00	0.00	0.00	138.00	10.00	0.00	128.00	0.00
6	YIGO	2573.00	654.00	0.00	0.00	138.00	10.00	0.00	128.00	0.00
7	YIGO	1769.00	418.00	0.00	639.00	93.00	20.00	0.00	73.00	0.00
8	YIGO	69.00	19.00	0.00	0.00	30.00	6.00	0.00	24.00	0.00
9	YIGO	3769.00	945.00	1.00	3359.00	278.00	57.00	0.00	221.00	0.00
10	YIGO	708.00	176.00	0.00	0.00	97.00	67.00	0.00	30.00	0.00
11	YIGO	880.00	315.00	0.00	0.00	30.00	6.00	0.00	24.00	0.00
12	YIGO	1905.00	473.00	0.00	671.00	93.00	20.00	0.00	73.00	0.00
13	YIGO	1207.00	297.00	0.00	0.00	69.00	0.00	0.00	69.00	0.00
14	YIGO	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
15	DEDEDO	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
16	DEDEDO	0.00	0.00	0.00	0.00	5070.00	0.00	0.00	4823.00	247.00
17	DEDEDO	1961.00	479.00	7.00	0.00	82.00	18.00	0.00	64.00	0.00
18	DEDEDO	6843.00	1732.00	11.00	1070.00	158.00	35.00	0.00	123.00	0.00
19	DEDEDO	2794.00	680.00	13.00	0.00	188.00	94.00	0.00	94.00	0.00
20	DEDEDO	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
21	DEDEDO	4144.00	973.00	0.00	621.00	158.00	35.00	0.00	123.00	0.00
22	DEDEDO	1834.00	515.00	153.00	0.00	247.00	77.00	0.00	170.00	0.00
23	DEDEDO	5234.00	1292.00	2.00	740.00	158.00	35.00	0.00	123.00	0.00
24	DEDEDO	2365.00	614.00	3.00	0.00	311.00	70.00	0.00	241.00	0.00
25	DEDEDO	1688.00	435.00	2.00	2575.00	309.00	89.00	0.00	220.00	0.00
26	DEDEDO	2122.00	501.00	74.00	0.00	82.00	18.00	0.00	64.00	0.00
27	DEDEDO	8640.00	2120.00	54.00	0.00	188.00	94.00	0.00	94.00	0.00
28	DEDEDO	1395.00	370.00	19.00	0.00	936.00	822.00	0.00	114.00	0.00
29	DEDEDO	275.00	73.00	2.00	0.00	76.00	18.00	0.00	58.00	0.00
30	DEDEDO	3758.00	975.00	14.00	0.00	40.00	8.00	0.00	32.00	0.00
31	DEDEDO	1515.00	418.00	9.00	0.00	40.00	8.00	0.00	32.00	0.00
32	DEDEDO	1346.00	385.00	5.00	685.00	311.00	70.00	0.00	241.00	0.00
33	DEDEDO	2216.00	603.00	1.00	0.00	311.00	70.00	0.00	241.00	0.00
34	DEDEDO	190.00	53.00	1.00	0.00	211.00	116.00	0.00	95.00	0.00
35	DEDEDO	3771.00	1097.00	2.00	0.00	194.00	44.00	0.00	150.00	0.00
36	DEDEDO	0.00	0.00	0.00	1759.00	375.00	140.00	0.00	235.00	0.00
37	TAMUNING	1099.00	376.00	1.00	0.00	339.00	29.00	310.00	0.00	0.00
38	TAMUNING	1235.00	418.00	0.00	0.00	215.00	28.00	76.00	111.00	0.00
39	TAMUNING	675.00	218.00	16.00	540.00	1389.00	275.00	0.00	1114.00	0.00
40	TAMUNING	413.00	133.00	11.00	0.00	244.00	0.00	0.00	244.00	0.00
41	TAMUNING	573.00	191.00	0.00	1130.00	694.00	138.00	0.00	556.00	0.00

TAZ	VILLAGE	Total Population_13BuildWithoutIndirectWorkers	Total HHs_13BuildWithoutIndirectWorkers	GroupQuarters_13BuildWithoutIndirectWorkers	School Enrollment_13BuildWithoutIndirectWorkers	Total Employment_13BuildWithoutIndirectWorkers	Retail_13BuildWithoutIndirectWorkers	Hotel_13BuildWithoutIndirectWorkers	Other_13BuildWithoutIndirectWorkers	Military_13BuildWithoutIndirectWorkers
42	TAMUNING	1116.00	378.00	0.00	0.00	139.00	28.00	0.00	111.00	0.00
43	TAMUNING	36.00	22.00	1.00	0.00	527.00	147.00	372.00	8.00	0.00
44	TAMUNING	257.00	100.00	0.00	0.00	550.00	147.00	403.00	0.00	0.00
45	TAMUNING	106.00	40.00	0.00	0.00	420.00	93.00	62.00	265.00	0.00
46	TAMUNING	676.00	259.00	0.00	0.00	672.00	138.00	6.00	528.00	0.00
47	TAMUNING	89.00	53.00	1.00	0.00	720.00	147.00	573.00	0.00	0.00
48	TAMUNING	545.00	254.00	0.00	0.00	631.00	147.00	192.00	292.00	0.00
49	TAMUNING	188.00	61.00	0.00	0.00	711.00	184.00	527.00	0.00	0.00
50	TAMUNING	74.00	44.00	1.00	0.00	1542.00	276.00	1266.00	0.00	0.00
51	TAMUNING	794.00	379.00	0.00	0.00	1673.00	426.00	1247.00	0.00	0.00
52	TAMUNING	339.00	100.00	1.00	490.00	928.00	184.00	0.00	744.00	0.00
53	TAMUNING	280.00	169.00	2.00	290.00	1671.00	331.00	0.00	1340.00	0.00
54	TAMUNING	3314.00	1072.00	34.00	0.00	422.00	85.00	6.00	331.00	0.00
55	TAMUNING	200.00	53.00	21.00	0.00	1388.00	275.00	0.00	1113.00	0.00
56	TAMUNING	972.00	466.00	0.00	0.00	1142.00	51.00	558.00	533.00	0.00
57	TAMUNING	3880.00	1213.00	11.00	259.00	1395.00	618.00	0.00	777.00	0.00
58	TAMUNING	184.00	49.00	0.00	0.00	694.00	138.00	0.00	556.00	0.00
59	TAMUNING	330.00	103.00	4.00	0.00	694.00	138.00	0.00	556.00	0.00
60	TAMUNING	188.00	50.00	2.00	0.00	694.00	138.00	0.00	556.00	0.00
61	TAMUNING	253.00	67.00	2.00	0.00	676.00	138.00	0.00	538.00	0.00
62	TAMUNING	144.00	38.00	2.00	0.00	697.00	309.00	0.00	388.00	0.00
63	TAMUNING	29.00	12.00	0.00	0.00	45.00	0.00	0.00	45.00	0.00
64	TAMUNING	1047.00	335.00	24.00	0.00	1300.00	276.00	155.00	869.00	0.00
65	TAMUNING	0.00	0.00	0.00	0.00	1126.00	235.00	0.00	891.00	0.00
66	TAMUNING	662.00	237.00	24.00	0.00	1676.00	334.00	0.00	1342.00	0.00
67	TAMUNING	355.00	97.00	36.00	0.00	1701.00	359.00	0.00	1342.00	0.00
68	TAMUNING	0.00	0.00	0.00	0.00	3389.00	105.00	9.00	3275.00	0.00
69	TAMUNING	968.00	243.00	130.00	0.00	1497.00	137.00	0.00	1360.00	0.00
70	TAMUNING	0.00	0.00	0.00	0.00	348.00	80.00	0.00	268.00	0.00
71	BARRIGADA	0.00	0.00	0.00	0.00	241.00	19.00	0.00	222.00	0.00
72	BARRIGADA	2954.00	827.00	144.00	0.00	567.00	174.00	0.00	393.00	0.00
73	BARRIGADA	0.00	0.00	0.00	0.00	477.00	301.00	0.00	176.00	0.00
74	BARRIGADA	1995.00	517.00	55.00	932.00	265.00	59.00	0.00	206.00	0.00
75	BARRIGADA	3975.00	942.00	11.00	782.00	250.00	37.00	0.00	213.00	0.00
76	BARRIGADA	1625.00	400.00	7.00	1572.00	269.00	87.00	0.00	182.00	0.00
77	BARRIGADA	0.00	0.00	0.00	0.00	274.00	37.00	0.00	97.00	140.00
78	MANGILAO	4887.00	1304.00	18.00	0.00	167.00	36.00	0.00	131.00	0.00
79	MANGILAO	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
80	MANGILAO	1920.00	440.00	4.00	0.00	335.00	74.00	0.00	261.00	0.00
81	MANGILAO	783.00	200.00	0.00	0.00	116.00	24.00	0.00	92.00	0.00
82	MANGILAO	880.00	198.00	0.00	0.00	134.00	29.00	0.00	105.00	0.00

TAZ	VILLAGE	Total Population_13BuildWithoutIn directWorkers	Total HHs_13BuildWithoutIndirectW orkers	GroupQuarters_13BuildWitho utIndirectWorkers	School Enrollment_13BuildWithoutIn directWorkers	Total Employment_13BuildWithout IndirectWorkers	Retail_13BuildWithoutIndirect Workers	Hotel_13BuildWithoutIndirect Workers	Other_13BuildWithoutIndirect Workers	Military_13BuildWithoutIndire ctWorkers
124	PITI	170.00	39.00	52.00	0.00	131.00	14.00	0.00	117.00	0.00
125	YONA	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
126	YONA	0.00	0.00	0.00	0.00	207.00	11.00	196.00	0.00	0.00
127	YONA	1301.00	284.00	22.00	0.00	120.00	11.00	0.00	109.00	0.00
128	YONA	631.00	126.00	9.00	0.00	69.00	21.00	0.00	48.00	0.00
129	YONA	1314.00	281.00	0.00	194.00	119.00	11.00	0.00	108.00	0.00
130	YONA	837.00	204.00	2.00	784.00	97.00	16.00	0.00	81.00	0.00
131	YONA	1180.00	275.00	20.00	0.00	120.00	3.00	0.00	117.00	0.00
132	YONA	299.00	68.00	0.00	161.00	46.00	8.00	0.00	38.00	0.00
133	YONA	1333.00	394.00	0.00	0.00	62.00	3.00	0.00	59.00	0.00
134	YONA	968.00	248.00	0.00	194.00	121.00	3.00	0.00	118.00	0.00
135	SANTA RITA	2964.00	621.00	1175.00	0.00	6143.00	437.00	0.00	3230.00	2476.00
136	SANTA RITA	1599.00	449.00	0.00	0.00	18.00	3.00	0.00	15.00	0.00
137	SANTA RITA	2024.00	559.00	0.00	2593.00	103.00	0.00	0.00	103.00	0.00
138	SANTA RITA	730.00	196.00	0.00	0.00	18.00	3.00	0.00	15.00	0.00
139	SANTA RITA	1463.00	351.00	0.00	115.00	37.00	8.00	0.00	29.00	0.00
140	SANTA RITA	0.00	0.00	0.00	0.00	18.00	3.00	0.00	15.00	0.00
141	AGAT	512.00	136.00	1.00	0.00	67.00	5.00	16.00	46.00	0.00
142	AGAT	4411.00	1090.00	17.00	1144.00	197.00	42.00	0.00	155.00	0.00
143	AGAT	2048.00	514.00	0.00	96.00	123.00	5.00	0.00	118.00	0.00
144	TALOFOFO	36.00	13.00	0.00	0.00	31.00	0.00	0.00	31.00	0.00
145	TALOFOFO	1624.00	362.00	2.00	346.00	71.00	16.00	0.00	55.00	0.00
146	TALOFOFO	1158.00	322.00	2.00	0.00	72.00	17.00	0.00	55.00	0.00
147	TALOFOFO	1191.00	256.00	21.00	230.00	73.00	17.00	0.00	56.00	0.00
148	UMATAC	998.00	189.00	0.00	192.00	30.00	2.00	0.00	28.00	0.00
149	INARAJAN	671.00	153.00	1.00	0.00	18.00	4.00	0.00	14.00	0.00
150	INARAJAN	2200.00	488.00	16.00	0.00	20.00	4.00	0.00	16.00	0.00
151	INARAJAN	567.00	114.00	0.00	702.00	19.00	3.00	0.00	16.00	0.00
152	INARAJAN	265.00	53.00	0.00	327.00	19.00	5.00	0.00	14.00	0.00
153	MERIZO	1306.00	290.00	0.00	568.00	16.00	1.00	0.00	15.00	0.00
154	MERIZO	1390.00	317.00	0.00	0.00	14.00	1.00	0.00	13.00	0.00
155	SANTA RITA	358.00	7.00	344.00	0.00	1306.00	14.00	0.00	58.00	1234.00
156	BARRIGADA	0.00	0.00	0.00	0.00	445.00	0.00	0.00	445.00	0.00
157	BARRIGADA	0.00	0.00	0.00	0.00	431.00	0.00	0.00	431.00	0.00

TAZ	VILLAGE	Total Population_15NoBuild	Total HHs_15NoBuild	GroupQuarters_15NoBuild	School Enrollment_15NoBuild	Total Employment_15NoBuild	Retail_15NoBuild	Hotel_15NoBuild	Other_15NoBuild	Military_15NoBuild
1	YIGO	1499.00	277.00	412.00	0.00	1059.00	0.00	0.00	0.00	1059.00
2	YIGO	3539.00	949.00	533.00	1149.00	2155.00	275.00	0.00	1141.00	739.00
3	YIGO	3167.00	690.00	0.00	346.00	45.00	9.00	0.00	36.00	0.00
4	YIGO	1940.00	441.00	0.00	0.00	144.00	10.00	0.00	134.00	0.00
5	YIGO	2152.00	494.00	0.00	0.00	144.00	10.00	0.00	134.00	0.00
6	YIGO	2615.00	619.00	0.00	0.00	144.00	10.00	0.00	134.00	0.00
7	YIGO	1921.00	427.00	0.00	642.00	97.00	21.00	0.00	76.00	0.00
8	YIGO	69.00	18.00	0.00	0.00	31.00	6.00	0.00	25.00	0.00
9	YIGO	3665.00	893.00	1.00	3372.00	291.00	60.00	0.00	231.00	0.00
10	YIGO	712.00	165.00	0.00	0.00	102.00	71.00	0.00	31.00	0.00
11	YIGO	903.00	305.00	0.00	0.00	31.00	6.00	0.00	25.00	0.00
12	YIGO	1900.00	446.00	0.00	673.00	97.00	21.00	0.00	76.00	0.00
13	YIGO	1249.00	304.00	0.00	0.00	72.00	0.00	0.00	72.00	0.00
14	YIGO	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
15	DEDEDO	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
16	DEDEDO	0.00	0.00	0.00	0.00	247.00	0.00	0.00	0.00	247.00
17	DEDEDO	1948.00	451.00	7.00	0.00	84.00	19.00	0.00	65.00	0.00
18	DEDEDO	6839.00	1638.00	11.00	1075.00	161.00	36.00	0.00	125.00	0.00
19	DEDEDO	2823.00	641.00	13.00	0.00	193.00	97.00	0.00	96.00	0.00
20	DEDEDO	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
21	DEDEDO	4167.00	914.00	0.00	624.00	161.00	36.00	0.00	125.00	0.00
22	DEDEDO	1904.00	527.00	158.00	0.00	252.00	79.00	0.00	173.00	0.00
23	DEDEDO	5282.00	1218.00	2.00	743.00	161.00	36.00	0.00	125.00	0.00
24	DEDEDO	2340.00	583.00	3.00	0.00	318.00	72.00	0.00	246.00	0.00
25	DEDEDO	1674.00	412.00	2.00	2585.00	316.00	92.00	0.00	224.00	0.00
26	DEDEDO	2088.00	470.00	76.00	0.00	84.00	19.00	0.00	65.00	0.00
27	DEDEDO	8683.00	1999.00	55.00	0.00	193.00	97.00	0.00	96.00	0.00
28	DEDEDO	1369.00	352.00	19.00	0.00	964.00	848.00	0.00	116.00	0.00
29	DEDEDO	276.00	75.00	2.00	0.00	78.00	19.00	0.00	59.00	0.00
30	DEDEDO	3690.00	924.00	14.00	0.00	41.00	8.00	0.00	33.00	0.00
31	DEDEDO	1530.00	398.00	9.00	0.00	41.00	8.00	0.00	33.00	0.00
32	DEDEDO	1351.00	368.00	5.00	688.00	318.00	72.00	0.00	246.00	0.00
33	DEDEDO	2230.00	574.00	1.00	0.00	318.00	72.00	0.00	246.00	0.00
34	DEDEDO	191.00	50.00	1.00	0.00	217.00	120.00	0.00	97.00	0.00
35	DEDEDO	3790.00	1048.00	2.00	0.00	198.00	45.00	0.00	153.00	0.00
36	DEDEDO	0.00	0.00	0.00	1766.00	384.00	144.00	0.00	240.00	0.00
37	TAMUNING	1194.00	385.00	1.00	0.00	350.00	30.00	320.00	0.00	0.00
38	TAMUNING	1264.00	428.00	0.00	0.00	219.00	29.00	78.00	112.00	0.00
39	TAMUNING	685.00	223.00	16.00	542.00	1411.00	282.00	0.00	1129.00	0.00
40	TAMUNING	419.00	136.00	11.00	0.00	247.00	0.00	0.00	247.00	0.00
41	TAMUNING	586.00	195.00	0.00	1135.00	705.00	142.00	0.00	563.00	0.00

TAZ	VILLAGE	Total Population_15NoBuild	Total HHs_15NoBuild	GroupQuarters_15NoBuild	School Enrollment_15NoBuild	Total Employment_15NoBuild	Retail_15NoBuild	Hotel_15NoBuild	Other_15NoBuild	Military_15NoBuild
42	TAMUNING	1142.00	387.00	0.00	0.00	141.00	29.00	0.00	112.00	0.00
43	TAMUNING	37.00	23.00	1.00	0.00	543.00	151.00	384.00	8.00	0.00
44	TAMUNING	263.00	103.00	0.00	0.00	567.00	151.00	416.00	0.00	0.00
45	TAMUNING	109.00	41.00	0.00	0.00	427.00	95.00	64.00	268.00	0.00
46	TAMUNING	684.00	265.00	0.00	0.00	683.00	142.00	6.00	535.00	0.00
47	TAMUNING	92.00	54.00	1.00	0.00	743.00	151.00	592.00	0.00	0.00
48	TAMUNING	545.00	260.00	0.00	0.00	645.00	151.00	198.00	296.00	0.00
49	TAMUNING	188.00	63.00	0.00	0.00	734.00	189.00	545.00	0.00	0.00
50	TAMUNING	75.00	45.00	1.00	0.00	1591.00	283.00	1308.00	0.00	0.00
51	TAMUNING	794.00	388.00	0.00	0.00	1725.00	437.00	1288.00	0.00	0.00
52	TAMUNING	343.00	103.00	1.00	492.00	943.00	189.00	0.00	754.00	0.00
53	TAMUNING	283.00	173.00	2.00	292.00	1698.00	340.00	0.00	1358.00	0.00
54	TAMUNING	3301.00	1098.00	35.00	0.00	428.00	87.00	6.00	335.00	0.00
55	TAMUNING	236.00	55.00	22.00	0.00	1410.00	282.00	0.00	1128.00	0.00
56	TAMUNING	982.00	477.00	0.00	0.00	1169.00	52.00	577.00	540.00	0.00
57	TAMUNING	3899.00	1242.00	11.00	260.00	1422.00	635.00	0.00	787.00	0.00
58	TAMUNING	207.00	50.00	0.00	0.00	705.00	142.00	0.00	563.00	0.00
59	TAMUNING	338.00	106.00	4.00	0.00	705.00	142.00	0.00	563.00	0.00
60	TAMUNING	188.00	51.00	2.00	0.00	705.00	142.00	0.00	563.00	0.00
61	TAMUNING	253.00	69.00	2.00	0.00	687.00	142.00	0.00	545.00	0.00
62	TAMUNING	144.00	39.00	2.00	0.00	710.00	317.00	0.00	393.00	0.00
63	TAMUNING	30.00	12.00	0.00	0.00	46.00	0.00	0.00	46.00	0.00
64	TAMUNING	1066.00	343.00	25.00	0.00	1323.00	283.00	160.00	880.00	0.00
65	TAMUNING	0.00	0.00	0.00	0.00	1144.00	241.00	0.00	903.00	0.00
66	TAMUNING	674.00	242.00	25.00	0.00	1703.00	343.00	0.00	1360.00	0.00
67	TAMUNING	355.00	100.00	37.00	0.00	1729.00	369.00	0.00	1360.00	0.00
68	TAMUNING	0.00	0.00	0.00	0.00	3435.00	108.00	9.00	3318.00	0.00
69	TAMUNING	968.00	249.00	133.00	0.00	1519.00	141.00	0.00	1378.00	0.00
70	TAMUNING	0.00	0.00	0.00	0.00	354.00	82.00	0.00	272.00	0.00
71	BARRIGADA	0.00	0.00	0.00	0.00	248.00	20.00	0.00	228.00	0.00
72	BARRIGADA	2969.00	788.00	149.00	0.00	583.00	180.00	0.00	403.00	0.00
73	BARRIGADA	0.00	0.00	0.00	0.00	491.00	311.00	0.00	180.00	0.00
74	BARRIGADA	2043.00	530.00	56.00	936.00	272.00	61.00	0.00	211.00	0.00
75	BARRIGADA	4062.00	965.00	11.00	785.00	256.00	38.00	0.00	218.00	0.00
76	BARRIGADA	1648.00	410.00	7.00	1579.00	277.00	90.00	0.00	187.00	0.00
77	BARRIGADA	0.00	0.00	0.00	0.00	277.00	38.00	0.00	99.00	140.00
78	MANGILAO	4918.00	1237.00	18.00	0.00	170.00	37.00	0.00	133.00	0.00
79	MANGILAO	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
80	MANGILAO	1975.00	450.00	4.00	0.00	341.00	76.00	0.00	265.00	0.00
81	MANGILAO	805.00	204.00	0.00	0.00	118.00	25.00	0.00	93.00	0.00
82	MANGILAO	905.00	202.00	0.00	0.00	136.00	30.00	0.00	106.00	0.00

TAZ	VILLAGE	Total Population_15NoBuild	Total HHs_15NoBuild	GroupQuarters_15NoBuild	School Enrollment_15NoBuild	Total Employment_15NoBuild	Retail_15NoBuild	Hotel_15NoBuild	Other_15NoBuild	Military_15NoBuild
124	PITI	171.00	37.00	53.00	0.00	136.00	15.00	0.00	121.00	0.00
125	YONA	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
126	YONA	0.00	0.00	0.00	0.00	224.00	12.00	212.00	0.00	0.00
127	YONA	1346.00	291.00	23.00	0.00	128.00	12.00	0.00	116.00	0.00
128	YONA	645.00	129.00	9.00	0.00	74.00	23.00	0.00	51.00	0.00
129	YONA	1356.00	288.00	0.00	195.00	127.00	12.00	0.00	115.00	0.00
130	YONA	863.00	209.00	2.00	787.00	103.00	17.00	0.00	86.00	0.00
131	YONA	1236.00	282.00	20.00	0.00	127.00	3.00	0.00	124.00	0.00
132	YONA	325.00	70.00	0.00	162.00	49.00	9.00	0.00	40.00	0.00
133	YONA	1343.00	404.00	0.00	0.00	66.00	3.00	0.00	63.00	0.00
134	YONA	1016.00	254.00	0.00	195.00	128.00	3.00	0.00	125.00	0.00
135	SANTA RITA	3035.00	637.00	1181.00	0.00	5609.00	448.00	0.00	2685.00	2476.00
136	SANTA RITA	1614.00	436.00	0.00	0.00	18.00	3.00	0.00	15.00	0.00
137	SANTA RITA	2055.00	541.00	0.00	2603.00	105.00	0.00	0.00	105.00	0.00
138	SANTA RITA	723.00	189.00	0.00	0.00	18.00	3.00	0.00	15.00	0.00
139	SANTA RITA	1499.00	360.00	0.00	116.00	38.00	8.00	0.00	30.00	0.00
140	SANTA RITA	0.00	0.00	0.00	0.00	18.00	3.00	0.00	15.00	0.00
141	AGAT	517.00	131.00	1.00	0.00	70.00	5.00	16.00	49.00	0.00
142	AGAT	4395.00	1048.00	17.00	1149.00	209.00	45.00	0.00	164.00	0.00
143	AGAT	2118.00	494.00	0.00	97.00	130.00	5.00	0.00	125.00	0.00
144	TALOFOFO	37.00	13.00	0.00	0.00	33.00	0.00	0.00	33.00	0.00
145	TALOFOFO	1672.00	371.00	2.00	347.00	75.00	17.00	0.00	58.00	0.00
146	TALOFOFO	1194.00	330.00	2.00	0.00	76.00	18.00	0.00	58.00	0.00
147	TALOFOFO	1229.00	262.00	22.00	231.00	77.00	18.00	0.00	59.00	0.00
148	UMATAC	1008.00	193.00	0.00	193.00	32.00	2.00	0.00	30.00	0.00
149	INARAJAN	671.00	156.00	1.00	0.00	21.00	5.00	0.00	16.00	0.00
150	INARAJAN	2270.00	499.00	16.00	0.00	22.00	4.00	0.00	18.00	0.00
151	INARAJAN	581.00	117.00	0.00	705.00	21.00	3.00	0.00	18.00	0.00
152	INARAJAN	271.00	55.00	0.00	328.00	22.00	6.00	0.00	16.00	0.00
153	MERIZO	1351.00	297.00	0.00	570.00	18.00	1.00	0.00	17.00	0.00
154	MERIZO	1426.00	325.00	0.00	0.00	16.00	1.00	0.00	15.00	0.00
155	SANTA RITA	358.00	2.00	349.00	0.00	1307.00	14.00	0.00	59.00	1234.00
156	BARRIGADA	0.00	0.00	0.00	0.00	456.00	0.00	0.00	456.00	0.00
157	BARRIGADA	0.00	0.00	0.00	0.00	442.00	0.00	0.00	442.00	0.00

TAZ	VILLAGE	Total Population_15BuildWithIndire ctWorkers	Total HHs_15BuildWithIndirectWork ers	GroupQuarters_15BuildWithIn directWorkers	School Enrollment_15BuildWithIndire ctWorkers	Total Employment_15BuildWithIndir ectWorkers	Retail_15BuildWithIndirectWo rkers	Hotel_15BuildWithIndirectWo rkers	Other_15BuildWithIndirectWo rkers	Military_15BuildWithIndirect Workers
1	YIGO	1499.00	277.00	412.00	0.00	1698.81	0.00	0.00	639.81	1059.00
2	YIGO	3539.00	949.00	533.00	1149.00	2349.41	275.00	0.00	1335.41	739.00
3	YIGO	3420.00	760.00	0.00	346.00	59.47	12.47	0.00	47.00	0.00
4	YIGO	2095.00	486.00	0.00	0.00	188.85	13.85	0.00	175.00	0.00
5	YIGO	2324.00	543.00	0.00	0.00	188.85	13.85	0.00	175.00	0.00
6	YIGO	2824.00	681.00	0.00	0.00	188.85	13.85	0.00	175.00	0.00
7	YIGO	2063.00	459.00	0.00	642.00	128.09	29.09	0.00	99.00	0.00
8	YIGO	74.00	19.00	0.00	0.00	41.31	8.31	0.00	33.00	0.00
9	YIGO	3958.00	981.00	1.00	3372.00	384.12	83.12	0.00	301.00	0.00
10	YIGO	769.00	181.00	0.00	0.00	138.36	98.36	0.00	40.00	0.00
11	YIGO	975.00	333.00	0.00	0.00	41.31	8.31	0.00	33.00	0.00
12	YIGO	2052.00	491.00	0.00	673.00	128.09	29.09	0.00	99.00	0.00
13	YIGO	1341.00	326.00	0.00	0.00	94.00	0.00	0.00	94.00	0.00
14	YIGO	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
15	DEDEDO	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
16	DEDEDO	0.00	0.00	0.00	0.00	4656.83	0.00	0.00	4409.00	247.00
17	DEDEDO	2104.00	496.00	7.00	0.00	111.32	26.32	0.00	85.00	0.00
18	DEDEDO	7386.00	1800.00	11.00	1075.00	212.87	49.87	0.00	163.00	0.00
19	DEDEDO	3049.00	706.00	13.00	0.00	259.38	134.38	0.00	125.00	0.00
20	DEDEDO	0.00	0.00	0.00	0.00	1250.00	0.00	0.00	1250.00	0.00
21	DEDEDO	4500.00	1007.00	0.00	624.00	212.87	49.87	0.00	163.00	0.00
22	DEDEDO	1904.00	527.00	158.00	0.00	252.00	79.00	0.00	173.00	0.00
23	DEDEDO	5705.00	1340.00	2.00	743.00	212.87	49.87	0.00	163.00	0.00
24	DEDEDO	2527.00	640.00	3.00	0.00	420.75	99.75	0.00	321.00	0.00
25	DEDEDO	1808.00	453.00	2.00	2585.00	419.46	127.46	0.00	292.00	0.00
26	DEDEDO	2255.00	519.00	76.00	0.00	111.32	26.32	0.00	85.00	0.00
27	DEDEDO	9378.00	2201.00	55.00	0.00	259.38	134.38	0.00	125.00	0.00
28	DEDEDO	1478.00	386.00	19.00	0.00	1325.81	1174.81	0.00	151.00	0.00
29	DEDEDO	276.00	75.00	2.00	0.00	78.00	19.00	0.00	59.00	0.00
30	DEDEDO	3985.00	1015.00	14.00	0.00	54.08	11.08	0.00	43.00	0.00
31	DEDEDO	1652.00	437.00	9.00	0.00	54.08	11.08	0.00	43.00	0.00
32	DEDEDO	1459.00	403.00	5.00	688.00	420.75	99.75	0.00	321.00	0.00
33	DEDEDO	2409.00	630.00	1.00	0.00	420.75	99.75	0.00	321.00	0.00
34	DEDEDO	206.00	55.00	1.00	0.00	292.25	166.25	0.00	126.00	0.00
35	DEDEDO	4093.00	1148.00	2.00	0.00	261.34	62.34	0.00	199.00	0.00
36	DEDEDO	0.00	0.00	0.00	1766.00	384.00	144.00	0.00	240.00	0.00
37	TAMUNING	1194.00	385.00	1.00	0.00	361.56	41.56	320.00	0.00	0.00
38	TAMUNING	1264.00	428.00	0.00	0.00	264.18	40.18	78.00	146.00	0.00
39	TAMUNING	685.00	223.00	16.00	542.00	1862.68	390.68	0.00	1472.00	0.00
40	TAMUNING	419.00	136.00	11.00	0.00	322.00	0.00	0.00	322.00	0.00
41	TAMUNING	586.00	195.00	0.00	1135.00	930.73	196.73	0.00	734.00	0.00

TAZ	VILLAGE	Total Population_15BuildWithIndire ctWorkers	Total HHs_15BuildWithIndirectWork ers	GroupQuarters_15BuildWithIn directWorkers	School Enrollment_15BuildWithIndire ctWorkers	Total Employment_15BuildWithIndir ectWorkers	Retail_15BuildWithIndirectWo rkers	Hotel_15BuildWithIndirectWo rkers	Other_15BuildWithIndirectWo rkers	Military_15BuildWithIndirect Workers
42	TAMUNING	1142.00	387.00	0.00	0.00	186.18	40.18	0.00	146.00	0.00
43	TAMUNING	37.00	23.00	1.00	0.00	603.19	209.19	384.00	10.00	0.00
44	TAMUNING	263.00	103.00	0.00	0.00	625.19	209.19	416.00	0.00	0.00
45	TAMUNING	109.00	41.00	0.00	0.00	544.61	131.61	64.00	349.00	0.00
46	TAMUNING	684.00	265.00	0.00	0.00	900.73	196.73	6.00	698.00	0.00
47	TAMUNING	92.00	54.00	1.00	0.00	801.19	209.19	592.00	0.00	0.00
48	TAMUNING	545.00	260.00	0.00	0.00	793.19	209.19	198.00	386.00	0.00
49	TAMUNING	188.00	63.00	0.00	0.00	806.84	261.84	545.00	0.00	0.00
50	TAMUNING	75.00	45.00	1.00	0.00	1700.07	392.07	1308.00	0.00	0.00
51	TAMUNING	794.00	388.00	0.00	0.00	1893.42	605.42	1288.00	0.00	0.00
52	TAMUNING	343.00	103.00	1.00	492.00	1244.84	261.84	0.00	983.00	0.00
53	TAMUNING	283.00	173.00	2.00	292.00	2241.03	471.03	0.00	1770.00	0.00
54	TAMUNING	3301.00	1098.00	35.00	0.00	563.53	120.53	6.00	437.00	0.00
55	TAMUNING	236.00	55.00	22.00	0.00	1861.68	390.68	0.00	1471.00	0.00
56	TAMUNING	982.00	477.00	0.00	0.00	1353.04	72.04	577.00	704.00	0.00
57	TAMUNING	3899.00	1242.00	11.00	260.00	1905.72	879.72	0.00	1026.00	0.00
58	TAMUNING	207.00	50.00	0.00	0.00	930.73	196.73	0.00	734.00	0.00
59	TAMUNING	338.00	106.00	4.00	0.00	930.73	196.73	0.00	734.00	0.00
60	TAMUNING	188.00	51.00	2.00	0.00	930.73	196.73	0.00	734.00	0.00
61	TAMUNING	253.00	69.00	2.00	0.00	907.73	196.73	0.00	711.00	0.00
62	TAMUNING	144.00	39.00	2.00	0.00	951.17	439.17	0.00	512.00	0.00
63	TAMUNING	30.00	12.00	0.00	0.00	60.00	0.00	0.00	60.00	0.00
64	TAMUNING	1066.00	343.00	25.00	0.00	1699.07	392.07	160.00	1147.00	0.00
65	TAMUNING	0.00	0.00	0.00	0.00	1510.88	333.88	0.00	1177.00	0.00
66	TAMUNING	674.00	242.00	25.00	0.00	2248.19	475.19	0.00	1773.00	0.00
67	TAMUNING	355.00	100.00	37.00	0.00	2284.21	511.21	0.00	1773.00	0.00
68	TAMUNING	0.00	0.00	0.00	0.00	4484.62	149.62	9.00	4326.00	0.00
69	TAMUNING	968.00	249.00	133.00	0.00	1992.34	195.34	0.00	1797.00	0.00
70	TAMUNING	0.00	0.00	0.00	0.00	468.60	113.60	0.00	355.00	0.00
71	BARRIGADA	0.00	0.00	0.00	0.00	248.00	20.00	0.00	228.00	0.00
72	BARRIGADA	3207.00	867.00	149.00	0.00	774.37	249.37	0.00	525.00	0.00
73	BARRIGADA	0.00	0.00	0.00	0.00	491.00	311.00	0.00	180.00	0.00
74	BARRIGADA	2194.00	570.00	56.00	936.00	359.51	84.51	0.00	275.00	0.00
75	BARRIGADA	4362.00	1036.00	11.00	785.00	336.64	52.64	0.00	284.00	0.00
76	BARRIGADA	1770.00	440.00	7.00	1579.00	368.69	124.69	0.00	244.00	0.00
77	BARRIGADA	0.00	0.00	0.00	0.00	321.64	52.64	0.00	129.00	140.00
78	MANGILAO	5312.00	1359.00	18.00	0.00	224.26	51.26	0.00	173.00	0.00
79	MANGILAO	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
80	MANGILAO	2121.00	483.00	4.00	0.00	450.29	105.29	0.00	345.00	0.00
81	MANGILAO	865.00	219.00	0.00	0.00	155.63	34.63	0.00	121.00	0.00
82	MANGILAO	972.00	217.00	0.00	0.00	179.56	41.56	0.00	138.00	0.00

TAZ	VILLAGE	Total Population_15BuildWithIndirectWorkers	Total HHs_15BuildWithIndirectWorkers	GroupQuarters_15BuildWithIndirectWorkers	School Enrollment_15BuildWithIndirectWorkers	Total Employment_15BuildWithIndirectWorkers	Retail_15BuildWithIndirectWorkers	Hotel_15BuildWithIndirectWorkers	Other_15BuildWithIndirectWorkers	Military_15BuildWithIndirectWorkers
124	PITI	185.00	42.00	53.00	0.00	178.78	20.78	0.00	158.00	0.00
125	YONA	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
126	YONA	0.00	0.00	0.00	0.00	224.00	12.00	212.00	0.00	0.00
127	YONA	1346.00	291.00	23.00	0.00	128.00	12.00	0.00	116.00	0.00
128	YONA	645.00	129.00	9.00	0.00	74.00	23.00	0.00	51.00	0.00
129	YONA	1356.00	288.00	0.00	195.00	127.00	12.00	0.00	115.00	0.00
130	YONA	863.00	209.00	2.00	787.00	103.00	17.00	0.00	86.00	0.00
131	YONA	1236.00	282.00	20.00	0.00	127.00	3.00	0.00	124.00	0.00
132	YONA	325.00	70.00	0.00	162.00	49.00	9.00	0.00	40.00	0.00
133	YONA	1343.00	404.00	0.00	0.00	66.00	3.00	0.00	63.00	0.00
134	YONA	1016.00	254.00	0.00	195.00	128.00	3.00	0.00	125.00	0.00
135	SANTA RITA	3035.00	637.00	1181.00	0.00	5905.95	448.00	0.00	2981.95	2476.00
136	SANTA RITA	1742.00	477.00	0.00	0.00	24.16	4.16	0.00	20.00	0.00
137	SANTA RITA	2219.00	593.00	0.00	2603.00	137.00	0.00	0.00	137.00	0.00
138	SANTA RITA	780.00	207.00	0.00	0.00	24.16	4.16	0.00	20.00	0.00
139	SANTA RITA	1499.00	360.00	0.00	116.00	38.00	8.00	0.00	30.00	0.00
140	SANTA RITA	0.00	0.00	0.00	0.00	18.00	3.00	0.00	15.00	0.00
141	AGAT	558.00	144.00	1.00	0.00	86.93	6.93	16.00	64.00	0.00
142	AGAT	4746.00	1152.00	17.00	1149.00	276.34	62.34	0.00	214.00	0.00
143	AGAT	2287.00	543.00	0.00	97.00	169.93	6.93	0.00	163.00	0.00
144	TALOFOFO	37.00	13.00	0.00	0.00	33.00	0.00	0.00	33.00	0.00
145	TALOFOFO	1672.00	371.00	2.00	347.00	75.00	17.00	0.00	58.00	0.00
146	TALOFOFO	1194.00	330.00	2.00	0.00	76.00	18.00	0.00	58.00	0.00
147	TALOFOFO	1229.00	262.00	22.00	231.00	77.00	18.00	0.00	59.00	0.00
148	UMATAC	1008.00	193.00	0.00	193.00	32.00	2.00	0.00	30.00	0.00
149	INARAJAN	671.00	156.00	1.00	0.00	21.00	5.00	0.00	16.00	0.00
150	INARAJAN	2270.00	499.00	16.00	0.00	22.00	4.00	0.00	18.00	0.00
151	INARAJAN	581.00	117.00	0.00	705.00	21.00	3.00	0.00	18.00	0.00
152	INARAJAN	271.00	55.00	0.00	328.00	22.00	6.00	0.00	16.00	0.00
153	MERIZO	1351.00	297.00	0.00	570.00	18.00	1.00	0.00	17.00	0.00
154	MERIZO	1426.00	325.00	0.00	0.00	16.00	1.00	0.00	15.00	0.00
155	SANTA RITA	386.00	10.00	349.00	0.00	1330.40	19.40	0.00	77.00	1234.00
156	BARRIGADA	0.00	0.00	0.00	0.00	456.00	0.00	0.00	456.00	0.00
157	BARRIGADA	0.00	0.00	0.00	0.00	442.00	0.00	0.00	442.00	0.00

TAZ	VILLAGE	Total Population_15BuildWithoutIndirectWorkers	Total HHs_15BuildWithoutIndirectWorkers	GroupQuarters_15BuildWithoutIndirectWorkers	School Enrollment_15BuildWithoutIndirectWorkers	Total Employment_15BuildWithoutIndirectWorkers	Retail_15BuildWithoutIndirectWorkers	Hotel_15BuildWithoutIndirectWorkers	Other_15BuildWithoutIndirectWorkers	Military_15BuildWithoutIndirectWorkers
1	YIGO	1499.00	277.00	412.00	0.00	1698.81	0.00	0.00	639.81	1059.00
2	YIGO	3539.00	949.00	533.00	1149.00	2349.41	275.00	0.00	1335.41	739.00
3	YIGO	3186.00	709.00	0.00	346.00	45.00	9.00	0.00	36.00	0.00
4	YIGO	1952.00	453.00	0.00	0.00	144.00	10.00	0.00	134.00	0.00
5	YIGO	2165.00	507.00	0.00	0.00	144.00	10.00	0.00	134.00	0.00
6	YIGO	2631.00	635.00	0.00	0.00	144.00	10.00	0.00	134.00	0.00
7	YIGO	1921.00	427.00	0.00	642.00	97.00	21.00	0.00	76.00	0.00
8	YIGO	69.00	18.00	0.00	0.00	31.00	6.00	0.00	25.00	0.00
9	YIGO	3687.00	915.00	1.00	3372.00	291.00	60.00	0.00	231.00	0.00
10	YIGO	716.00	169.00	0.00	0.00	102.00	71.00	0.00	31.00	0.00
11	YIGO	908.00	310.00	0.00	0.00	31.00	6.00	0.00	25.00	0.00
12	YIGO	1912.00	458.00	0.00	673.00	97.00	21.00	0.00	76.00	0.00
13	YIGO	1249.00	304.00	0.00	0.00	72.00	0.00	0.00	72.00	0.00
14	YIGO	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
15	DEDEDO	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
16	DEDEDO	0.00	0.00	0.00	0.00	4656.83	0.00	0.00	4409.83	247.00
17	DEDEDO	1960.00	463.00	7.00	0.00	84.00	19.00	0.00	65.00	0.00
18	DEDEDO	6880.00	1679.00	11.00	1075.00	161.00	36.00	0.00	125.00	0.00
19	DEDEDO	2840.00	658.00	13.00	0.00	193.00	97.00	0.00	96.00	0.00
20	DEDEDO	0.00	0.00	0.00	0.00	1250.00	0.00	0.00	1250.00	0.00
21	DEDEDO	4192.00	939.00	0.00	624.00	161.00	36.00	0.00	125.00	0.00
22	DEDEDO	1904.00	527.00	158.00	0.00	252.00	79.00	0.00	173.00	0.00
23	DEDEDO	5314.00	1250.00	2.00	743.00	161.00	36.00	0.00	125.00	0.00
24	DEDEDO	2354.00	597.00	3.00	0.00	318.00	72.00	0.00	246.00	0.00
25	DEDEDO	1684.00	422.00	2.00	2585.00	316.00	92.00	0.00	224.00	0.00
26	DEDEDO	2101.00	483.00	76.00	0.00	84.00	19.00	0.00	65.00	0.00
27	DEDEDO	8736.00	2052.00	55.00	0.00	193.00	97.00	0.00	96.00	0.00
28	DEDEDO	1377.00	360.00	19.00	0.00	964.00	848.00	0.00	116.00	0.00
29	DEDEDO	276.00	75.00	2.00	0.00	78.00	19.00	0.00	59.00	0.00
30	DEDEDO	3712.00	946.00	14.00	0.00	41.00	8.00	0.00	33.00	0.00
31	DEDEDO	1539.00	407.00	9.00	0.00	41.00	8.00	0.00	33.00	0.00
32	DEDEDO	1359.00	376.00	5.00	688.00	318.00	72.00	0.00	246.00	0.00
33	DEDEDO	2244.00	588.00	1.00	0.00	318.00	72.00	0.00	246.00	0.00
34	DEDEDO	192.00	51.00	1.00	0.00	217.00	120.00	0.00	97.00	0.00
35	DEDEDO	3813.00	1071.00	2.00	0.00	198.00	45.00	0.00	153.00	0.00
36	DEDEDO	0.00	0.00	0.00	1766.00	384.00	144.00	0.00	240.00	0.00
37	TAMUNING	1194.00	385.00	1.00	0.00	350.00	30.00	320.00	0.00	0.00
38	TAMUNING	1264.00	428.00	0.00	0.00	219.00	29.00	78.00	112.00	0.00
39	TAMUNING	685.00	223.00	16.00	542.00	1411.00	282.00	0.00	1129.00	0.00
40	TAMUNING	419.00	136.00	11.00	0.00	247.00	0.00	0.00	247.00	0.00
41	TAMUNING	586.00	195.00	0.00	1135.00	705.00	142.00	0.00	563.00	0.00

TAZ	VILLAGE	Total Population_15BuildWithoutIndirectWorkers	Total HHs_15BuildWithoutIndirectWorkers	GroupQuarters_15BuildWithoutIndirectWorkers	School Enrollment_15BuildWithoutIndirectWorkers	Total Employment_15BuildWithoutIndirectWorkers	Retail_15BuildWithoutIndirectWorkers	Hotel_15BuildWithoutIndirectWorkers	Other_15BuildWithoutIndirectWorkers	Military_15BuildWithoutIndirectWorkers
42	TAMUNING	1142.00	387.00	0.00	0.00	141.00	29.00	0.00	112.00	0.00
43	TAMUNING	37.00	23.00	1.00	0.00	543.00	151.00	384.00	8.00	0.00
44	TAMUNING	263.00	103.00	0.00	0.00	567.00	151.00	416.00	0.00	0.00
45	TAMUNING	109.00	41.00	0.00	0.00	427.00	95.00	64.00	268.00	0.00
46	TAMUNING	684.00	265.00	0.00	0.00	683.00	142.00	6.00	535.00	0.00
47	TAMUNING	92.00	54.00	1.00	0.00	743.00	151.00	592.00	0.00	0.00
48	TAMUNING	545.00	260.00	0.00	0.00	645.00	151.00	198.00	296.00	0.00
49	TAMUNING	188.00	63.00	0.00	0.00	734.00	189.00	545.00	0.00	0.00
50	TAMUNING	75.00	45.00	1.00	0.00	1591.00	283.00	1308.00	0.00	0.00
51	TAMUNING	794.00	388.00	0.00	0.00	1725.00	437.00	1288.00	0.00	0.00
52	TAMUNING	343.00	103.00	1.00	492.00	943.00	189.00	0.00	754.00	0.00
53	TAMUNING	283.00	173.00	2.00	292.00	1698.00	340.00	0.00	1358.00	0.00
54	TAMUNING	3301.00	1098.00	35.00	0.00	428.00	87.00	6.00	335.00	0.00
55	TAMUNING	236.00	55.00	22.00	0.00	1410.00	282.00	0.00	1128.00	0.00
56	TAMUNING	982.00	477.00	0.00	0.00	1169.00	52.00	577.00	540.00	0.00
57	TAMUNING	3899.00	1242.00	11.00	260.00	1422.00	635.00	0.00	787.00	0.00
58	TAMUNING	207.00	50.00	0.00	0.00	705.00	142.00	0.00	563.00	0.00
59	TAMUNING	338.00	106.00	4.00	0.00	705.00	142.00	0.00	563.00	0.00
60	TAMUNING	188.00	51.00	2.00	0.00	705.00	142.00	0.00	563.00	0.00
61	TAMUNING	253.00	69.00	2.00	0.00	687.00	142.00	0.00	545.00	0.00
62	TAMUNING	144.00	39.00	2.00	0.00	710.00	317.00	0.00	393.00	0.00
63	TAMUNING	30.00	12.00	0.00	0.00	46.00	0.00	0.00	46.00	0.00
64	TAMUNING	1066.00	343.00	25.00	0.00	1323.00	283.00	160.00	880.00	0.00
65	TAMUNING	0.00	0.00	0.00	0.00	1144.00	241.00	0.00	903.00	0.00
66	TAMUNING	674.00	242.00	25.00	0.00	1703.00	343.00	0.00	1360.00	0.00
67	TAMUNING	355.00	100.00	37.00	0.00	1729.00	369.00	0.00	1360.00	0.00
68	TAMUNING	0.00	0.00	0.00	0.00	3435.00	108.00	9.00	3318.00	0.00
69	TAMUNING	968.00	249.00	133.00	0.00	1519.00	141.00	0.00	1378.00	0.00
70	TAMUNING	0.00	0.00	0.00	0.00	354.00	82.00	0.00	272.00	0.00
71	BARRIGADA	0.00	0.00	0.00	0.00	248.00	20.00	0.00	228.00	0.00
72	BARRIGADA	2987.00	806.00	149.00	0.00	583.00	180.00	0.00	403.00	0.00
73	BARRIGADA	0.00	0.00	0.00	0.00	491.00	311.00	0.00	180.00	0.00
74	BARRIGADA	2043.00	530.00	56.00	936.00	272.00	61.00	0.00	211.00	0.00
75	BARRIGADA	4062.00	965.00	11.00	785.00	256.00	38.00	0.00	218.00	0.00
76	BARRIGADA	1648.00	410.00	7.00	1579.00	277.00	90.00	0.00	187.00	0.00
77	BARRIGADA	0.00	0.00	0.00	0.00	277.00	38.00	0.00	99.00	140.00
78	MANGILAO	4948.00	1267.00	18.00	0.00	170.00	37.00	0.00	133.00	0.00
79	MANGILAO	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
80	MANGILAO	1975.00	450.00	4.00	0.00	341.00	76.00	0.00	265.00	0.00
81	MANGILAO	805.00	204.00	0.00	0.00	118.00	25.00	0.00	93.00	0.00
82	MANGILAO	905.00	202.00	0.00	0.00	136.00	30.00	0.00	106.00	0.00

TAZ	VILLAGE	Total Population_15BuildWithout directWorkers	Total HHs_15BuildWithoutIndirectW orkers	GroupQuarters_15BuildWitho utIndirectWorkers	School Enrollment_15BuildWithoutIn directWorkers	Total Employment_15BuildWithout indirectWorkers	Retail_15BuildWithoutIndirect Workers	Hotel_15BuildWithoutIndirect Workers	Other_15BuildWithoutIndirect Workers	Military_15BuildWithoutIndire ctWorkers
124	PITI	172.00	38.00	53.00	0.00	136.00	15.00	0.00	121.00	0.00
125	YONA	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
126	YONA	0.00	0.00	0.00	0.00	224.00	12.00	212.00	0.00	0.00
127	YONA	1346.00	291.00	23.00	0.00	128.00	12.00	0.00	116.00	0.00
128	YONA	645.00	129.00	9.00	0.00	74.00	23.00	0.00	51.00	0.00
129	YONA	1356.00	288.00	0.00	195.00	127.00	12.00	0.00	115.00	0.00
130	YONA	863.00	209.00	2.00	787.00	103.00	17.00	0.00	86.00	0.00
131	YONA	1236.00	282.00	20.00	0.00	127.00	3.00	0.00	124.00	0.00
132	YONA	325.00	70.00	0.00	162.00	49.00	9.00	0.00	40.00	0.00
133	YONA	1343.00	404.00	0.00	0.00	66.00	3.00	0.00	63.00	0.00
134	YONA	1016.00	254.00	0.00	195.00	128.00	3.00	0.00	125.00	0.00
135	SANTA RITA	3035.00	637.00	1181.00	0.00	5905.95	448.00	0.00	2981.95	2476.00
136	SANTA RITA	1623.00	445.00	0.00	0.00	18.00	3.00	0.00	15.00	0.00
137	SANTA RITA	2067.00	553.00	0.00	2603.00	105.00	0.00	0.00	105.00	0.00
138	SANTA RITA	727.00	193.00	0.00	0.00	18.00	3.00	0.00	15.00	0.00
139	SANTA RITA	1499.00	360.00	0.00	116.00	38.00	8.00	0.00	30.00	0.00
140	SANTA RITA	0.00	0.00	0.00	0.00	18.00	3.00	0.00	15.00	0.00
141	AGAT	520.00	134.00	1.00	0.00	70.00	5.00	16.00	49.00	0.00
142	AGAT	4421.00	1074.00	17.00	1149.00	209.00	45.00	0.00	164.00	0.00
143	AGAT	2130.00	506.00	0.00	97.00	130.00	5.00	0.00	125.00	0.00
144	TALOFOFO	37.00	13.00	0.00	0.00	33.00	0.00	0.00	33.00	0.00
145	TALOFOFO	1672.00	371.00	2.00	347.00	75.00	17.00	0.00	58.00	0.00
146	TALOFOFO	1194.00	330.00	2.00	0.00	76.00	18.00	0.00	58.00	0.00
147	TALOFOFO	1229.00	262.00	22.00	231.00	77.00	18.00	0.00	59.00	0.00
148	UMATAC	1008.00	193.00	0.00	193.00	32.00	2.00	0.00	30.00	0.00
149	INARAJAN	671.00	156.00	1.00	0.00	21.00	5.00	0.00	16.00	0.00
150	INARAJAN	2270.00	499.00	16.00	0.00	22.00	4.00	0.00	18.00	0.00
151	INARAJAN	581.00	117.00	0.00	705.00	21.00	3.00	0.00	18.00	0.00
152	INARAJAN	271.00	55.00	0.00	328.00	22.00	6.00	0.00	16.00	0.00
153	MERIZO	1351.00	297.00	0.00	570.00	18.00	1.00	0.00	17.00	0.00
154	MERIZO	1426.00	325.00	0.00	0.00	16.00	1.00	0.00	15.00	0.00
155	SANTA RITA	360.00	4.00	349.00	0.00	1307.00	14.00	0.00	59.00	1234.00
156	BARRIGADA	0.00	0.00	0.00	0.00	456.00	0.00	0.00	456.00	0.00
157	BARRIGADA	0.00	0.00	0.00	0.00	442.00	0.00	0.00	442.00	0.00

TAZ	VILLAGE	Total Population_30NoBuild	Total HHs_30NoBuild	GroupQuarters_30NoBuild	School Enrollment_30NoBuild	Total Employment_30NoBuild	Retail_30NoBuild	Hotel_30NoBuild	Other_30NoBuild	Military_30NoBuild
1	YIGO	1973.00	458.00	289.00	0.00	1059.00	0.00	0.00	0.00	1059.00
2	YIGO	3558.00	940.00	562.00	1180.00	2732.00	408.00	0.00	1585.00	739.00
3	YIGO	4287.00	983.00	0.00	355.00	64.00	14.00	0.00	50.00	0.00
4	YIGO	2523.00	600.00	0.00	0.00	200.00	15.00	0.00	185.00	0.00
5	YIGO	2654.00	631.00	0.00	0.00	200.00	15.00	0.00	185.00	0.00
6	YIGO	3189.00	779.00	0.00	0.00	200.00	15.00	0.00	185.00	0.00
7	YIGO	3051.00	736.00	0.00	659.00	137.00	31.00	0.00	106.00	0.00
8	YIGO	82.00	21.00	0.00	0.00	45.00	10.00	0.00	35.00	0.00
9	YIGO	3508.00	843.00	1.00	3463.00	411.00	91.00	0.00	320.00	0.00
10	YIGO	827.00	196.00	0.00	0.00	148.00	104.00	0.00	44.00	0.00
11	YIGO	1162.00	409.00	0.00	0.00	45.00	10.00	0.00	35.00	0.00
12	YIGO	2088.00	497.00	0.00	691.00	137.00	31.00	0.00	106.00	0.00
13	YIGO	1509.00	378.00	0.00	0.00	100.00	0.00	0.00	100.00	0.00
14	YIGO	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
15	DEDEDO	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
16	DEDEDO	0.00	0.00	0.00	0.00	247.00	0.00	0.00	0.00	247.00
17	DEDEDO	2089.00	488.00	9.00	0.00	98.00	23.00	0.00	75.00	0.00
18	DEDEDO	7607.00	1849.00	13.00	1104.00	190.00	46.00	0.00	144.00	0.00
19	DEDEDO	3347.00	780.00	16.00	0.00	233.00	123.00	0.00	110.00	0.00
20	DEDEDO	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
21	DEDEDO	4800.00	1075.00	0.00	641.00	190.00	46.00	0.00	144.00	0.00
22	DEDEDO	2339.00	673.00	187.00	0.00	300.00	100.00	0.00	200.00	0.00
23	DEDEDO	6205.00	1469.00	2.00	763.00	190.00	46.00	0.00	144.00	0.00
24	DEDEDO	2456.00	614.00	4.00	0.00	375.00	92.00	0.00	283.00	0.00
25	DEDEDO	1791.00	444.00	3.00	2655.00	374.00	116.00	0.00	258.00	0.00
26	DEDEDO	2132.00	478.00	91.00	0.00	98.00	23.00	0.00	75.00	0.00
27	DEDEDO	9966.00	2341.00	66.00	0.00	233.00	123.00	0.00	110.00	0.00
28	DEDEDO	1382.00	353.00	23.00	0.00	1207.00	1073.00	0.00	134.00	0.00
29	DEDEDO	283.00	76.00	2.00	0.00	91.00	23.00	0.00	68.00	0.00
30	DEDEDO	3726.00	930.00	17.00	0.00	48.00	11.00	0.00	37.00	0.00
31	DEDEDO	1811.00	484.00	11.00	0.00	48.00	11.00	0.00	37.00	0.00
32	DEDEDO	1542.00	428.00	6.00	707.00	375.00	92.00	0.00	283.00	0.00
33	DEDEDO	2578.00	678.00	1.00	0.00	375.00	92.00	0.00	283.00	0.00
34	DEDEDO	221.00	59.00	1.00	0.00	264.00	152.00	0.00	112.00	0.00
35	DEDEDO	4359.00	1232.00	3.00	0.00	233.00	57.00	0.00	176.00	0.00
36	DEDEDO	0.00	0.00	0.00	1813.00	459.00	182.00	0.00	277.00	0.00
37	TAMUNING	1897.00	661.00	1.00	0.00	445.00	36.00	409.00	0.00	0.00
38	TAMUNING	1439.00	498.00	0.00	0.00	259.00	35.00	100.00	124.00	0.00
39	TAMUNING	755.00	248.00	20.00	556.00	1590.00	345.00	0.00	1245.00	0.00
40	TAMUNING	462.00	152.00	13.00	0.00	273.00	0.00	0.00	273.00	0.00
41	TAMUNING	660.00	225.00	0.00	1166.00	794.00	173.00	0.00	621.00	0.00

TAZ	VILLAGE	Total Population_30NoBuild	Total HHs_30NoBuild	GroupQuarters_30NoBuild	School Enrollment_30NoBuild	Total Employment_30NoBuild	Retail_30NoBuild	Hotel_30NoBuild	Other_30NoBuild	Military_30NoBuild
42	TAMUNING	1295.00	447.00	0.00	0.00	159.00	35.00	0.00	124.00	0.00
43	TAMUNING	42.00	26.00	1.00	0.00	684.00	184.00	491.00	9.00	0.00
44	TAMUNING	299.00	118.00	0.00	0.00	716.00	184.00	532.00	0.00	0.00
45	TAMUNING	124.00	48.00	0.00	0.00	494.00	116.00	82.00	296.00	0.00
46	TAMUNING	726.00	284.00	0.00	0.00	771.00	173.00	8.00	590.00	0.00
47	TAMUNING	104.00	63.00	1.00	0.00	941.00	184.00	757.00	0.00	0.00
48	TAMUNING	544.00	259.00	0.00	0.00	764.00	184.00	254.00	326.00	0.00
49	TAMUNING	188.00	63.00	0.00	0.00	926.00	230.00	696.00	0.00	0.00
50	TAMUNING	87.00	53.00	1.00	0.00	2017.00	346.00	1671.00	0.00	0.00
51	TAMUNING	792.00	385.00	0.00	0.00	2178.00	533.00	1645.00	0.00	0.00
52	TAMUNING	361.00	108.00	1.00	506.00	1061.00	230.00	0.00	831.00	0.00
53	TAMUNING	302.00	186.00	3.00	300.00	1912.00	415.00	0.00	1497.00	0.00
54	TAMUNING	3227.00	1062.00	42.00	0.00	484.00	106.00	8.00	370.00	0.00
55	TAMUNING	644.00	189.00	25.00	0.00	1589.00	345.00	0.00	1244.00	0.00
56	TAMUNING	1039.00	509.00	0.00	0.00	1397.00	64.00	737.00	596.00	0.00
57	TAMUNING	4010.00	1278.00	13.00	267.00	1642.00	774.00	0.00	868.00	0.00
58	TAMUNING	406.00	110.00	0.00	0.00	794.00	173.00	0.00	621.00	0.00
59	TAMUNING	384.00	122.00	5.00	0.00	794.00	173.00	0.00	621.00	0.00
60	TAMUNING	189.00	51.00	2.00	0.00	794.00	173.00	0.00	621.00	0.00
61	TAMUNING	254.00	68.00	3.00	0.00	774.00	173.00	0.00	601.00	0.00
62	TAMUNING	145.00	39.00	2.00	0.00	821.00	387.00	0.00	434.00	0.00
63	TAMUNING	35.00	14.00	0.00	0.00	50.00	0.00	0.00	50.00	0.00
64	TAMUNING	1179.00	384.00	29.00	0.00	1522.00	346.00	205.00	971.00	0.00
65	TAMUNING	0.00	0.00	0.00	0.00	1291.00	295.00	0.00	996.00	0.00
66	TAMUNING	738.00	268.00	29.00	0.00	1918.00	419.00	0.00	1499.00	0.00
67	TAMUNING	356.00	97.00	44.00	0.00	1948.00	449.00	0.00	1499.00	0.00
68	TAMUNING	0.00	0.00	0.00	0.00	3803.00	132.00	12.00	3659.00	0.00
69	TAMUNING	967.00	239.00	158.00	0.00	1692.00	172.00	0.00	1520.00	0.00
70	TAMUNING	0.00	0.00	0.00	0.00	400.00	100.00	0.00	300.00	0.00
71	BARRIGADA	0.00	0.00	0.00	0.00	299.00	25.00	0.00	274.00	0.00
72	BARRIGADA	3408.00	922.00	178.00	0.00	719.00	233.00	0.00	486.00	0.00
73	BARRIGADA	0.00	0.00	0.00	0.00	619.00	402.00	0.00	217.00	0.00
74	BARRIGADA	2336.00	617.00	67.00	961.00	334.00	79.00	0.00	255.00	0.00
75	BARRIGADA	4583.00	1108.00	13.00	806.00	314.00	50.00	0.00	264.00	0.00
76	BARRIGADA	1791.00	450.00	9.00	1621.00	341.00	116.00	0.00	225.00	0.00
77	BARRIGADA	0.00	0.00	0.00	0.00	310.00	50.00	0.00	120.00	140.00
78	MANGILAO	5696.00	1465.00	22.00	0.00	192.00	44.00	0.00	148.00	0.00
79	MANGILAO	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
80	MANGILAO	2306.00	539.00	5.00	0.00	384.00	90.00	0.00	294.00	0.00
81	MANGILAO	942.00	245.00	0.00	0.00	133.00	29.00	0.00	104.00	0.00
82	MANGILAO	1054.00	242.00	0.00	0.00	153.00	35.00	0.00	118.00	0.00

TAZ	VILLAGE	Total Population_30NoBuild	Total HHs_30NoBuild	GroupQuarters_30NoBuild	School Enrollment_30NoBuild	Total Employment_30NoBuild	Retail_30NoBuild	Hotel_30NoBuild	Other_30NoBuild	Military_30NoBuild
124	PITI	197.00	43.00	63.00	0.00	180.00	20.00	0.00	160.00	0.00
125	YONA	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
126	YONA	0.00	0.00	0.00	0.00	400.00	21.00	379.00	0.00	0.00
127	YONA	1628.00	363.00	27.00	0.00	200.00	20.00	0.00	180.00	0.00
128	YONA	730.00	149.00	11.00	0.00	119.00	40.00	0.00	79.00	0.00
129	YONA	1613.00	352.00	0.00	200.00	200.00	20.00	0.00	180.00	0.00
130	YONA	1022.00	255.00	3.00	808.00	165.00	30.00	0.00	135.00	0.00
131	YONA	1605.00	383.00	24.00	0.00	200.00	5.00	0.00	195.00	0.00
132	YONA	520.00	121.00	0.00	166.00	77.00	14.00	0.00	63.00	0.00
133	YONA	1399.00	423.00	0.00	0.00	102.00	5.00	0.00	97.00	0.00
134	YONA	1332.00	349.00	0.00	200.00	200.00	5.00	0.00	195.00	0.00
135	SANTA RITA	3486.00	855.00	1075.00	0.00	6090.00	544.00	0.00	3070.00	2476.00
136	SANTA RITA	1851.00	510.00	0.00	0.00	22.00	4.00	0.00	18.00	0.00
137	SANTA RITA	2444.00	660.00	0.00	2673.00	120.00	0.00	0.00	120.00	0.00
138	SANTA RITA	742.00	195.00	0.00	0.00	22.00	4.00	0.00	18.00	0.00
139	SANTA RITA	1719.00	421.00	0.00	119.00	44.00	10.00	0.00	34.00	0.00
140	SANTA RITA	0.00	0.00	0.00	0.00	22.00	4.00	0.00	18.00	0.00
141	AGAT	593.00	154.00	1.00	0.00	101.00	9.00	18.00	74.00	0.00
142	AGAT	4694.00	1128.00	21.00	1180.00	324.00	72.00	0.00	252.00	0.00
143	AGAT	2789.00	682.00	0.00	100.00	201.00	9.00	0.00	192.00	0.00
144	TALOFOFO	43.00	15.00	0.00	0.00	50.00	0.00	0.00	50.00	0.00
145	TALOFOFO	1971.00	448.00	3.00	356.00	119.00	29.00	0.00	90.00	0.00
146	TALOFOFO	1419.00	404.00	2.00	0.00	120.00	30.00	0.00	90.00	0.00
147	TALOFOFO	1458.00	320.00	26.00	238.00	121.00	30.00	0.00	91.00	0.00
148	UMATAC	1066.00	206.00	0.00	198.00	49.00	2.00	0.00	47.00	0.00
149	INARAJAN	672.00	156.00	1.00	0.00	48.00	11.00	0.00	37.00	0.00
150	INARAJAN	2707.00	613.00	20.00	0.00	50.00	10.00	0.00	40.00	0.00
151	INARAJAN	667.00	137.00	0.00	724.00	50.00	8.00	0.00	42.00	0.00
152	INARAJAN	312.00	65.00	0.00	337.00	50.00	13.00	0.00	37.00	0.00
153	MERIZO	1639.00	371.00	0.00	586.00	52.00	2.00	0.00	50.00	0.00
154	MERIZO	1649.00	385.00	0.00	0.00	48.00	2.00	0.00	46.00	0.00
155	SANTA RITA	375.00	0.00	545.00	0.00	1319.00	18.00	0.00	67.00	1234.00
156	BARRIGADA	0.00	0.00	0.00	0.00	550.00	0.00	0.00	550.00	0.00
157	BARRIGADA	0.00	0.00	0.00	0.00	533.00	0.00	0.00	533.00	0.00

TAZ	VILLAGE	Total Population_30Build	Total HHs_30Build	GroupQuarters_30Build	School Enrollment_30Build	Total Employment_30Build	Retail_30Build	Hotel_30Build	Other_30Build	Military_30Build
1	YIGO	3220.00	634.00	969.00	0.00	2619.00	0.00	0.00	0.00	2619.00
2	YIGO	6111.00	1304.00	1952.00	1274.00	3772.00	408.00	0.00	1585.00	1779.00
3	YIGO	4661.00	1070.00	0.00	383.00	88.00	20.00	0.00	68.00	0.00
4	YIGO	2746.00	655.00	0.00	0.00	269.00	21.00	0.00	248.00	0.00
5	YIGO	2888.00	688.00	0.00	0.00	269.00	21.00	0.00	248.00	0.00
6	YIGO	3475.00	850.00	0.00	0.00	269.00	21.00	0.00	248.00	0.00
7	YIGO	3316.00	801.00	0.00	711.00	186.00	43.00	0.00	143.00	0.00
8	YIGO	88.00	23.00	0.00	0.00	61.00	14.00	0.00	47.00	0.00
9	YIGO	3820.00	919.00	1.00	3738.00	557.00	127.00	0.00	430.00	0.00
10	YIGO	902.00	215.00	0.00	0.00	204.00	145.00	0.00	59.00	0.00
11	YIGO	1264.00	445.00	0.00	0.00	61.00	14.00	0.00	47.00	0.00
12	YIGO	2268.00	541.00	0.00	746.00	186.00	43.00	0.00	143.00	0.00
13	YIGO	1631.00	410.00	0.00	0.00	134.00	0.00	0.00	134.00	0.00
14	YIGO	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
15	DEDEDO	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
16	DEDEDO	0.00	0.00	0.00	0.00	247.00	0.00	0.00	0.00	247.00
17	DEDEDO	2255.00	527.00	9.00	0.00	132.00	32.00	0.00	100.00	0.00
18	DEDEDO	8211.00	1996.00	13.00	1192.00	257.00	64.00	0.00	193.00	0.00
19	DEDEDO	3613.00	842.00	16.00	0.00	320.00	172.00	0.00	148.00	0.00
20	DEDEDO	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
21	DEDEDO	5182.00	1161.00	0.00	692.00	257.00	64.00	0.00	193.00	0.00
22	DEDEDO	2339.00	673.00	187.00	0.00	300.00	100.00	0.00	200.00	0.00
23	DEDEDO	6698.00	1586.00	2.00	824.00	257.00	64.00	0.00	193.00	0.00
24	DEDEDO	2651.00	663.00	4.00	0.00	509.00	128.00	0.00	381.00	0.00
25	DEDEDO	1933.00	479.00	3.00	2866.00	509.00	162.00	0.00	347.00	0.00
26	DEDEDO	2301.00	518.00	91.00	0.00	132.00	32.00	0.00	100.00	0.00
27	DEDEDO	10758.00	2528.00	66.00	0.00	320.00	172.00	0.00	148.00	0.00
28	DEDEDO	1492.00	382.00	23.00	0.00	1677.00	1497.00	0.00	180.00	0.00
29	DEDEDO	283.00	76.00	2.00	0.00	91.00	23.00	0.00	68.00	0.00
30	DEDEDO	4022.00	1004.00	17.00	0.00	65.00	15.00	0.00	50.00	0.00
31	DEDEDO	1954.00	522.00	11.00	0.00	65.00	15.00	0.00	50.00	0.00
32	DEDEDO	1664.00	462.00	6.00	763.00	509.00	128.00	0.00	381.00	0.00
33	DEDEDO	2783.00	732.00	1.00	0.00	509.00	128.00	0.00	381.00	0.00
34	DEDEDO	238.00	64.00	1.00	0.00	362.00	212.00	0.00	150.00	0.00
35	DEDEDO	4705.00	1330.00	3.00	0.00	317.00	80.00	0.00	237.00	0.00
36	DEDEDO	0.00	0.00	0.00	1957.00	459.00	182.00	0.00	277.00	0.00
37	TAMUNING	1897.00	661.00	1.00	0.00	459.00	50.00	409.00	0.00	0.00
38	TAMUNING	1439.00	498.00	0.00	0.00	316.00	49.00	100.00	167.00	0.00
39	TAMUNING	755.00	248.00	20.00	600.00	2153.00	481.00	0.00	1672.00	0.00
40	TAMUNING	462.00	152.00	13.00	0.00	367.00	0.00	0.00	367.00	0.00
41	TAMUNING	660.00	225.00	0.00	1258.00	1075.00	241.00	0.00	834.00	0.00

TAZ	VILLAGE	Total Population_30Build	Total HHs_30Build	GroupQuarters_30Build	School Enrollment_30Build	Total Employment_30Build	Retail_30Build	Hotel_30Build	Other_30Build	Military_30Build
42	TAMUNING	1295.00	447.00	0.00	0.00	216.00	49.00	0.00	167.00	0.00
43	TAMUNING	42.00	26.00	1.00	0.00	760.00	257.00	491.00	12.00	0.00
44	TAMUNING	299.00	118.00	0.00	0.00	789.00	257.00	532.00	0.00	0.00
45	TAMUNING	124.00	48.00	0.00	0.00	642.00	162.00	82.00	398.00	0.00
46	TAMUNING	726.00	284.00	0.00	0.00	1042.00	241.00	8.00	793.00	0.00
47	TAMUNING	104.00	63.00	1.00	0.00	1014.00	257.00	757.00	0.00	0.00
48	TAMUNING	544.00	259.00	0.00	0.00	949.00	257.00	254.00	438.00	0.00
49	TAMUNING	188.00	63.00	0.00	0.00	1017.00	321.00	696.00	0.00	0.00
50	TAMUNING	87.00	53.00	1.00	0.00	2154.00	483.00	1671.00	0.00	0.00
51	TAMUNING	792.00	385.00	0.00	0.00	2388.00	743.00	1645.00	0.00	0.00
52	TAMUNING	361.00	108.00	1.00	546.00	1437.00	321.00	0.00	1116.00	0.00
53	TAMUNING	302.00	186.00	3.00	324.00	2591.00	579.00	0.00	2012.00	0.00
54	TAMUNING	3227.00	1062.00	42.00	0.00	653.00	148.00	8.00	497.00	0.00
55	TAMUNING	644.00	189.00	25.00	0.00	2152.00	481.00	0.00	1671.00	0.00
56	TAMUNING	1039.00	509.00	0.00	0.00	1626.00	89.00	737.00	800.00	0.00
57	TAMUNING	4010.00	1278.00	13.00	288.00	2246.00	1080.00	0.00	1166.00	0.00
58	TAMUNING	406.00	110.00	0.00	0.00	1075.00	241.00	0.00	834.00	0.00
59	TAMUNING	384.00	122.00	5.00	0.00	1075.00	241.00	0.00	834.00	0.00
60	TAMUNING	189.00	51.00	2.00	0.00	1075.00	241.00	0.00	834.00	0.00
61	TAMUNING	254.00	68.00	3.00	0.00	1049.00	241.00	0.00	808.00	0.00
62	TAMUNING	145.00	39.00	2.00	0.00	1124.00	540.00	0.00	584.00	0.00
63	TAMUNING	35.00	14.00	0.00	0.00	68.00	0.00	0.00	68.00	0.00
64	TAMUNING	1179.00	384.00	29.00	0.00	1993.00	483.00	205.00	1305.00	0.00
65	TAMUNING	0.00	0.00	0.00	0.00	1749.00	411.00	0.00	1338.00	0.00
66	TAMUNING	738.00	268.00	29.00	0.00	2598.00	584.00	0.00	2014.00	0.00
67	TAMUNING	356.00	97.00	44.00	0.00	2640.00	626.00	0.00	2014.00	0.00
68	TAMUNING	0.00	0.00	0.00	0.00	5112.00	184.00	12.00	4916.00	0.00
69	TAMUNING	967.00	239.00	158.00	0.00	2282.00	240.00	0.00	2042.00	0.00
70	TAMUNING	0.00	0.00	0.00	0.00	542.00	139.00	0.00	403.00	0.00
71	BARRIGADA	0.00	0.00	0.00	0.00	299.00	25.00	0.00	274.00	0.00
72	BARRIGADA	3679.00	999.00	178.00	0.00	978.00	325.00	0.00	653.00	0.00
73	BARRIGADA	0.00	0.00	0.00	0.00	619.00	402.00	0.00	217.00	0.00
74	BARRIGADA	2521.00	667.00	67.00	1037.00	453.00	110.00	0.00	343.00	0.00
75	BARRIGADA	4947.00	1196.00	13.00	870.00	425.00	70.00	0.00	355.00	0.00
76	BARRIGADA	1933.00	486.00	9.00	1750.00	464.00	162.00	0.00	302.00	0.00
77	BARRIGADA	0.00	0.00	0.00	0.00	372.00	70.00	0.00	162.00	140.00
78	MANGILAO	6148.00	1582.00	22.00	0.00	260.00	61.00	0.00	199.00	0.00
79	MANGILAO	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
80	MANGILAO	2489.00	582.00	5.00	0.00	521.00	126.00	0.00	395.00	0.00
81	MANGILAO	1017.00	265.00	0.00	0.00	180.00	40.00	0.00	140.00	0.00
82	MANGILAO	1138.00	261.00	0.00	0.00	208.00	49.00	0.00	159.00	0.00

TAZ	VILLAGE	Total Population_30Build	Total HHs_30Build	GroupQuarters_30Build	School Enrollment_30Build	Total Employment_30Build	Retail_30Build	Hotel_30Build	Other_30Build	Military_30Build
124	PITI	213.00	48.00	63.00	0.00	243.00	28.00	0.00	215.00	0.00
125	YONA	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
126	YONA	0.00	0.00	0.00	0.00	400.00	21.00	379.00	0.00	0.00
127	YONA	1628.00	363.00	27.00	0.00	200.00	20.00	0.00	180.00	0.00
128	YONA	730.00	149.00	11.00	0.00	119.00	40.00	0.00	79.00	0.00
129	YONA	1613.00	352.00	0.00	216.00	200.00	20.00	0.00	180.00	0.00
130	YONA	1022.00	255.00	3.00	872.00	165.00	30.00	0.00	135.00	0.00
131	YONA	1605.00	383.00	24.00	0.00	200.00	5.00	0.00	195.00	0.00
132	YONA	520.00	121.00	0.00	179.00	77.00	14.00	0.00	63.00	0.00
133	YONA	1399.00	423.00	0.00	0.00	102.00	5.00	0.00	97.00	0.00
134	YONA	1332.00	349.00	0.00	216.00	200.00	5.00	0.00	195.00	0.00
135	SANTA RITA	4469.00	872.00	2097.00	0.00	6923.00	544.00	0.00	3070.00	3309.00
136	SANTA RITA	1999.00	552.00	0.00	0.00	30.00	6.00	0.00	24.00	0.00
137	SANTA RITA	2640.00	713.00	0.00	2885.00	162.00	0.00	0.00	162.00	0.00
138	SANTA RITA	801.00	211.00	0.00	0.00	30.00	6.00	0.00	24.00	0.00
139	SANTA RITA	1722.00	422.00	0.00	128.00	44.00	10.00	0.00	34.00	0.00
140	SANTA RITA	4.00	1.00	0.00	0.00	22.00	4.00	0.00	18.00	0.00
141	AGAT	640.00	166.00	1.00	0.00	130.00	13.00	18.00	99.00	0.00
142	AGAT	5067.00	1218.00	21.00	1274.00	438.00	100.00	0.00	338.00	0.00
143	AGAT	3010.00	736.00	0.00	108.00	271.00	13.00	0.00	258.00	0.00
144	TALOFOFO	43.00	15.00	0.00	0.00	50.00	0.00	0.00	50.00	0.00
145	TALOFOFO	1971.00	448.00	3.00	384.00	119.00	29.00	0.00	90.00	0.00
146	TALOFOFO	1419.00	404.00	2.00	0.00	120.00	30.00	0.00	90.00	0.00
147	TALOFOFO	1458.00	320.00	26.00	257.00	121.00	30.00	0.00	91.00	0.00
148	UMATAC	1066.00	206.00	0.00	214.00	49.00	2.00	0.00	47.00	0.00
149	INARAJAN	672.00	156.00	1.00	0.00	48.00	11.00	0.00	37.00	0.00
150	INARAJAN	2707.00	613.00	20.00	0.00	50.00	10.00	0.00	40.00	0.00
151	INARAJAN	667.00	137.00	0.00	781.00	50.00	8.00	0.00	42.00	0.00
152	INARAJAN	312.00	65.00	0.00	364.00	50.00	13.00	0.00	37.00	0.00
153	MERIZO	1639.00	371.00	0.00	632.00	52.00	2.00	0.00	50.00	0.00
154	MERIZO	1649.00	385.00	0.00	0.00	48.00	2.00	0.00	46.00	0.00
155	SANTA RITA	712.00	8.00	682.00	0.00	1766.00	25.00	0.00	90.00	1651.00
156	BARRIGADA	0.00	0.00	0.00	0.00	550.00	0.00	0.00	550.00	0.00
157	BARRIGADA	0.00	0.00	0.00	0.00	533.00	0.00	0.00	533.00	0.00

Appendix G

Village Streets Mayor Wish List



OFFICE OF THE MAYOR
 MUNICIPALITY OF INARAJAN
 P.O. Box 786, Hagatna, Guam 96932
 Tel: (671) 475-2509/10/11 Fax: (671) 828-2543
 Cell: (671) 482-4666



Honorable Franklin M. Taitague

#29

PMT

*Kim
 Kove youn and youn
 PMT's Frookhemminh
 & RESOLVE.
 1/9/08*

MEMORANDUM

Date: Wednesday, January 16, 2008
 To: Mr. Larry Perez, Director, DPW
 From: Inarajan Mayor
 Subject: Inarajan/DPW Projects

Guam IPMS	Contact No. GUAM-IPMS (002)
Document No.:	29
File Number 1:	5.2.5
File Number 2:	

Attach is the latest of the many outstanding and needed projects for the Municipality of Inarajan. As discussed earlier, the MCOG was requested to continue updating and submit its list to DPW for funding consideration.

Once again, Si Yu'os Ma'ase for your untiring efforts toward the improvement of our districts and our island.

Please do not hesitate to contact me at above numbers for question on said subject.

Senseramente,

Franklin M. Taitague
 Franklin M. Taitague

cc: IMPC
 file

RECEIVED

FEB 11 2008 *ATW*

**PB Americas, Inc.
 Guam Office**

"Respetu yan Setbisiu para TODU – Respect and Service for ALL"

RECEIVED
 1/17/08 JPC

DPW PROJECTS
Village: INARAJAN

PRIORITY SEQ.	PROJECT/WORK	STREET/ROAD NAME and VILLAGE LOCATION	TOPOGRAPHY
1	EXPAND, REPAIR, REPAVE	ROUTE 4 HIGHWAY (From Talofofa Bridge to Ahayan Bridge)	
1	ROAD REPAIR/PAVING	SOUTH CHAGAMINLAGO AVE., CHAGAMINLAGO	
2	ROAD REPAIR/PAVING	BARCINAS DRIVE, MALOJLOJ	
3	ROAD REPAIR/PAVING	TUN JOSE SAN NICOLAS, AGFAYAN	
4	ROAD REPAIR/PAVING	TUN JESUS CRISOSTOMO, LADA	
5	ROAD REPAIR/PAVING	CHALAN CHANDIHA, MALOJLOJ	
6	ROAD REPAIR/PAVING	TINAGA LANE, TINAGA	
7	ROAD REPAIR/PAVING	CHALAN GUEFAN, GUEFAN	
8	ROAD REPAIR/PAVING	PAPAYA LANE, MALOJLOJ	
9	ROAD REPAIR/PAVING	CEPEDA DRIVE, MALOJLOJ	
10	ROAD REPAIR/PAVING	CHALAN LAMAN, MALOJLOJ	
11	ROAD REPAIR/PAVING	FRIHOLES STREET, MALOJLOJ	
12	ROAD REPAIR/PAVING	PFC JESUS Q. MENO, BELEN	
13	ROAD REPAIR/PAVING	BEAR ROCK LANE, LADA	
14	ROAD REPAIR/PAVING	BEN DIEGO ROAD, TONGAN	
15	ROAD REPAIR/PAVING	SALOK ST., TONGAN	
16	ROAD REPAIR/PAVING	TONGAN WAY, TONGAN	
17	ROAD REPAIR/PAVING	TUN MARIANO D. LEON GUERRERO, TONGAN	
18	ROAD REPAIR/PAVING	ATAU DR., ATAU	
19	ROAD REPAIR/PAVING	TUN FELIPE MENO DR., LADA	
20	ROAD REPAIR/PAVING	TUN JOSE T. CHARGUALAF, LADA	
21	ROAD REPAIR/PAVING	CHALAN MAITE ST., VILLAGE	
22	ROAD REPAIR/PAVING	CHAGAME WY, CHAGAME	
1	ROAD OPENING/PAVING	CHALAN KABESA, MALOJLOJ	

DPW PROJECTS

Village: INARAJAN

PRIORITY SEQ.	PROJECT/WORK	STREET/ROAD NAME and VILLAGE LOCATION	TOPOGRAPHY
2	ROAD OPENING/PAVING	FRANCISCO MENO ROAD, AHAYAN	
3	ROAD OPENING/PAVING	MENO & DUENAS RES., AS APMAN	
4	ROAD OPENING/PAVING	TABETNA WAY, MALOJLOJ	
5	ROAD OPENING/PAVING	FARM ACCESS ROAD, ASAGAS	
6	ROAD OPENING/PAVING	IJA SUBDIVISION - DONE	
1	ROAD EXTENSION/PAVING	TUN JESUS D. PAULINO ST., LADA	
2	ROAD EXTENSION/PAVING	PFC ROY MENO STREET, VILLAGE	
3	ROAD EXTENSION/PAVING	MALOJLOJ WELL DR, MALOJLOJ	
4	ROAD EXTENSION/PAVING	TUN ENEMICIO & REGINA DIEGO DR, TONGAN	
1	GUARD RAIL REPAIR	VILLAGE ENTRANCE, TALOFOFO BRIDGE	
2	GUARD RAIL REPAIR	AGFAYAN	
3	GUARD RAIL REPAIR	ASALONSO	
1	GUARD RAIL INSTALLATION	ASALONSO DITCH AREAS	
2	GUARD RAIL INSTALLATION	PACHOT HILL (LEFT & RIGHT)	
3	GUARD RAIL INSTALLATION	TINAGA HILL	
4	GUARD RAIL INSTALLATION	PECA	
5	GUARD RAIL INSTALLATION	BELEN	
6	GUARD RAIL INSTALLATION	IJA SUBDIVISION	
7	GUARD RAIL INSTALLATION	TONGAN (NEXT TO DUENAS S.)	
8	GUARD RAIL INSTALLATION	ACROSS BIBESBES	
9	GUARD RAIL INSTALLATION	AHAYAN (RIGHT SIDE BEFORE BRIDGE)	
10	GUARD RAIL INSTALLATION	TUN JESUS CRISOSTOMO, LADA	
1	BRIDGE REPAIR	ASALONSO	
2	BRIDGE REPAIR	INARAJAN	

DPW PROJECTS
Village: INARAJAN

PRIORITY SEQ.	PROJECT/WORK	STREET/ROAD NAME and VILLAGE LOCATION	TOPOGRAPHY
3	BRIDGE REPAIR	AGFAYAN	
4	BRIDGE REPAIR	AHAYAN	
1	CULVERTS	ASALONSO	
2	CULVERTS	ROUTE 4 (ACROSS OLD POULTRY FARM)	
3	CULVERTS	AHAYAN	
1	DRAINAGES/PERCOLATION/BASIN	ROUTE 4 (AFTER TALOFOFO BRIDGE)	
2	DRAINAGES/PERCOLATION/BASIN	ASALONSO	
3	DRAINAGES/PERCOLATION/BASIN	ROUTE 4 (ACROSS DANDAN STORE)	
4	DRAINAGES/PERCOLATION/BASIN	ROUTE 4 (ACROSS OLD POULTRY FARM)	
5	DRAINAGES/PERCOLATION/BASIN	ROUTE 4, PECA	
6	DRAINAGES/PERCOLATION/BASIN	ROUTE 4, BELEN AVENU, & CHAGAMINLAGO INTERSECTION	
7	DRAINAGES/PERCOLATION/BASIN	ROUTE 4 BIBESBES	
8	DRAINAGES/PERCOLATION/BASIN	AHAYAN (EXISTING CULVERT)	
9	DRAINAGES/PERCOLATION/BASIN	TONGAN (DUENAS, FLORES, & CHARGUALAF RES.)	
1	ST. LIGHTS	DISTRICT WIDE (INTERSECTIONS, BUS STOPS, ESTABLISHMENTS, PUBLIC PARKINGS, ETC.)	
1	HIGHWAY/ROAD SIGNS	DISTRICT WIDE	

1 BUS SHELTERS DISTRICT WIDE



#30

Office of the Mayor
Municipality of
Mongmong-Toto-Maite
P.O. Box 786 • Hagatna • Guam • 96932

Mayor Andrew C. Villagomez

Telephone: (671) 477-9090/6758

Fax: (671) 472-6494

January 18, 2008

P. b. T.

*KIN,
For you & your PNT'S
NEXT STEPS.
1/31/08*

Memorandum

To: Director, Department of Public Works

From: Mayor, Municipality of Mongmong-Toto-Maite

Subject: Road/Street Restoration Project for Mongmong-Toto-Maite

Guam IPMS	Contact No. GU-NH-IPMS (602)
Document No.:	30
File Number 1:	5.2.5
File Number 2:	

Hafa Adai!!! Attached is the priority listing for the “**Road/Street Restoration Project**” for the villages of Mongmong-Toto-Maite. Should you have any questions or need further information, please feel free to contact my office at the numbers listed above.

Your attention in this regard is truly appreciated.

Si Yu'os Ma'ase'

ANDREW C. VILLAGOMEZ

Attachments



Road/Street Restoration Project
Village: MONGMONG-TOTO-MAITE

Street Name(s) / Road Name(s)	Priority Listing by Numbers	Topography
Roy T. Damian Jr. Street (Route 33/Fed Highway)	1	Flat/hilly/curve
J.A. Camacho Street, Mongmong	2	Flat
Duendes Street, Mongmong	3	Flat/curve
S. Peperu Street, Toto	4	Hilly/curve
Palomo Lane, Toto	5	Hilly
Peperu Lane, Toto	6	Hilly
Robat Street, Maite	7	Flat/curve
Pangilinan Lane, Maite	8	Flat/hilly
Ciriaco Loop, Toto	9	Flat/curve
Manibusan Street, Mongmong	8	Flat/hilly
Manibusan Lane, Mongmong	9	Flat/curve
Torres Street, Mongmong	10	Flat/curve
Kadi Lane, Mongmong	11	Hilly/curve/flat
Potu Street, Mongmong	12	Flat/curve
Balaku Street, Mongmong	13	Hilly/curve/flat
Balaku Lane, Mongmong	14	Flat/curve
N. Old GW Road, Maite	15	Hilly/flat
*Biang Street, Mongmong	16	Flat/hilly
Kindu Street, Maite	17	Flat/curve
Bihu Street, Maite	18	Flat
Martinez Lane, Mongmong	19	Hill/flat
Lujan Street, Toto	20	Curve/hilly/flat
Lujan Way, Toto	21	Flat

Road/Street Restoration Project
Village: MONGMONG-TOTO-MAITE

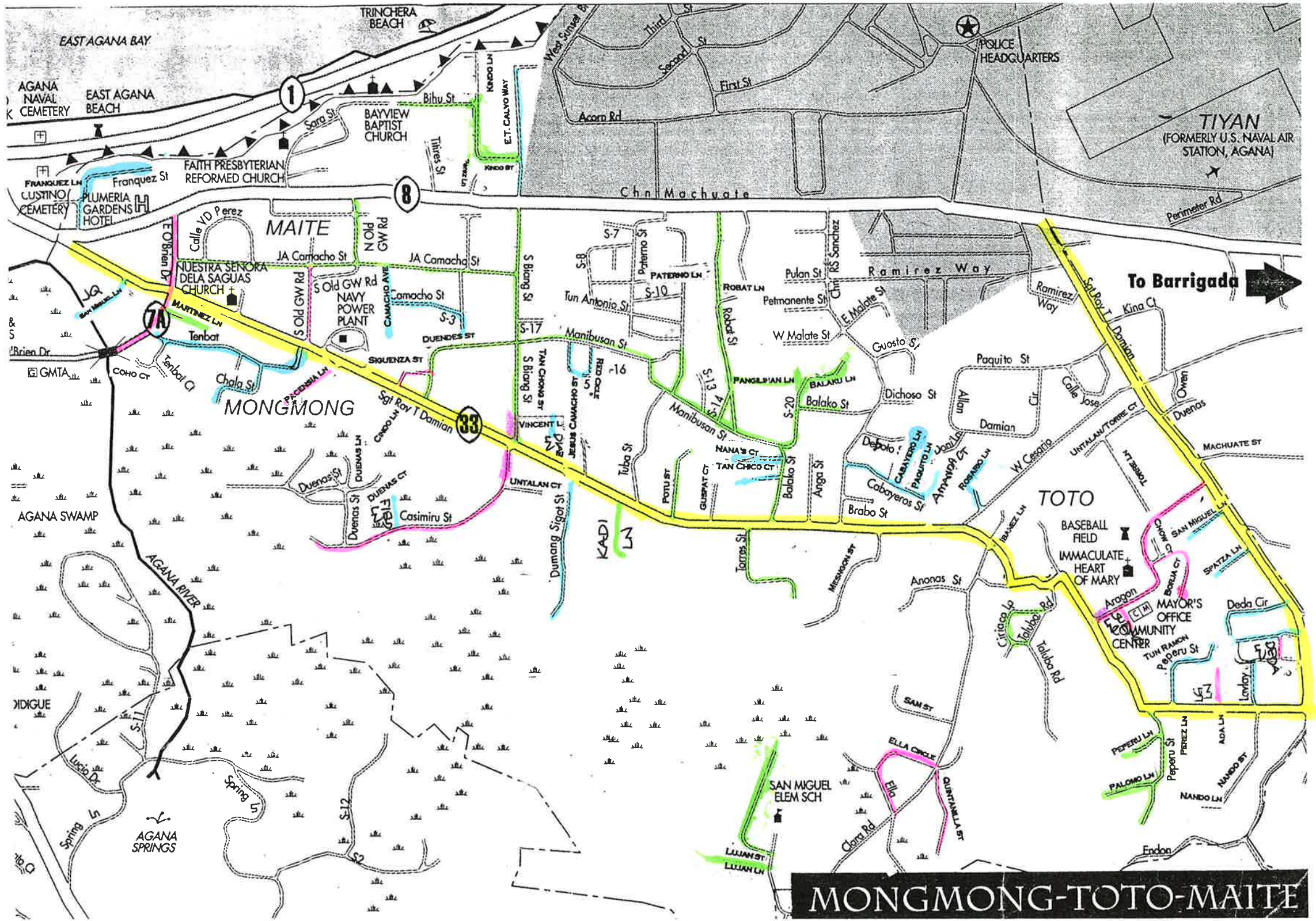
Street Name(s) / Road Name(s)	Priority Listing by Numbers	Topography
Dumang Sigot Street, Mongmong	22	Hilly/curve
Tun Ramon Peperu Street, Toto	23	Hilly/curve
Lavlay Lane, Toto	24	Flat
Spatza Lane, Toto	25	Flat
Deda Circle, Toto	26	Flat/curve
Camacho Avenue, Mongmong	27	Flat
Camacho Street, Mongmong	28	Curve/flat
Cabayero Street, Hyundai Toto	29	Flat/curve
Cabayero Lane, Toto	30	Curve/flat
Paquito Lane, Toto	31	Hilly
Amanda Court, Toto	32	Hilly
Rosario Lane, Toto	33	Flat/curve
Red Circle, Mongmong	34	Flat/curve
Tan Chico Court, Mongmong	35	Curve/flat
Nana's Court, Mongmong	36	Flat/curve
Tenbat Street, Mongmong	37	Flat/curve
Chala Street, Mongmong	38	Curve/flat
Diaz Lane, Mongmong	39	Hilly
Field Lane, Mongmong	40	Hilly
Franquez Street, Maite	41	Flat/curve
E.T. Calvo Way, Maite	42	Flat
J.Q. San Miguel Lane, Mongmong	43	Flat/curve
San Miguel Lane, Toto	44	Flat/curve

Road/Street Restoration Project
Village: MONGMONG-TOTO-MAITE

Street Name(s) / Road Name(s)	Priority Listing by Numbers	Topography
S. Old GW Road, Mongmong	45	Flat
Siguenza Street, Mongmong	46	Flat/curve
Pacensia Lane, Mongmong	47	Flat/hilly
Sueno Lane, Toto	48	Flat/hilly
Quintanilla Street, Toto	49	Flat
Ella Street, Toto	50	Hilly/curve
Leon Guerrero Lane, Toto	51	Flat
Deda Lane, Toto	52	Flat
Borja Court, Toto (cul-de-sac only)	53	Flat
*Aragon Street, Toto	54	Flat/hilly/curve
*Casimiru Street, Mongmong	55	Hilly
East O'Brien Drive, Mongmong	56	Flat/curve

*Need non-skid asphalt at entrance/exit

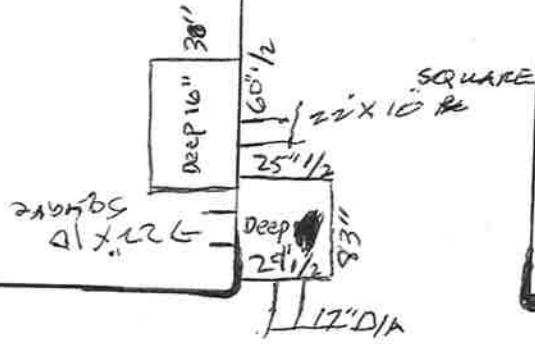
- PRIORITY 1
- PRIORITY 2
- PRIORITY 3
- PRIORITY 4
- NON-SKLD



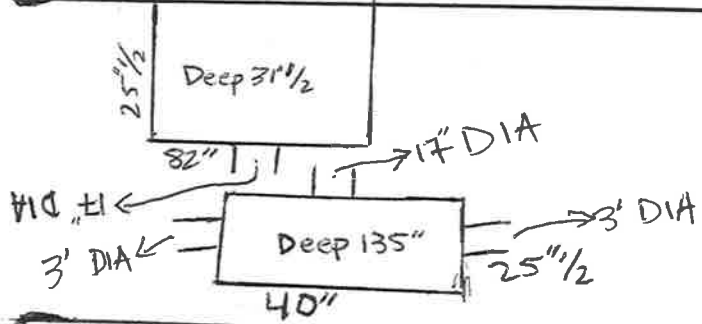
MONGMONG-TOTO-MAITE

↑
To Rte 16

A North ①



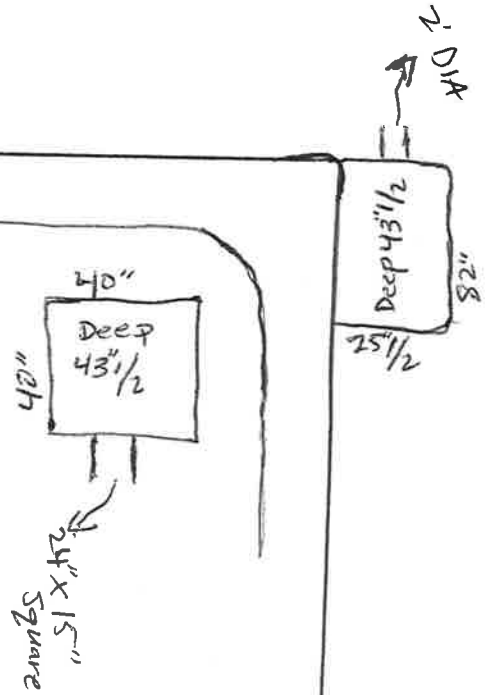
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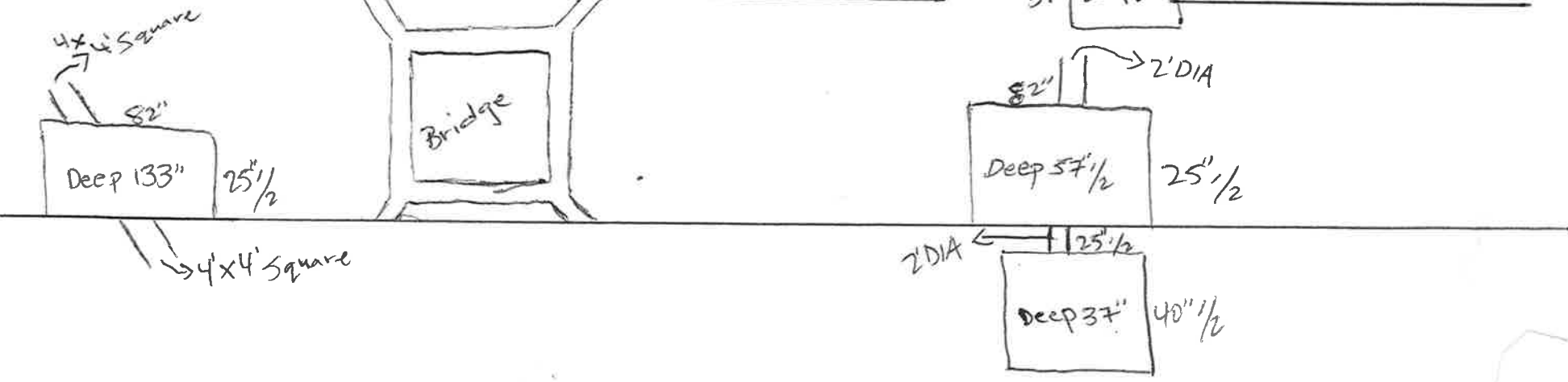
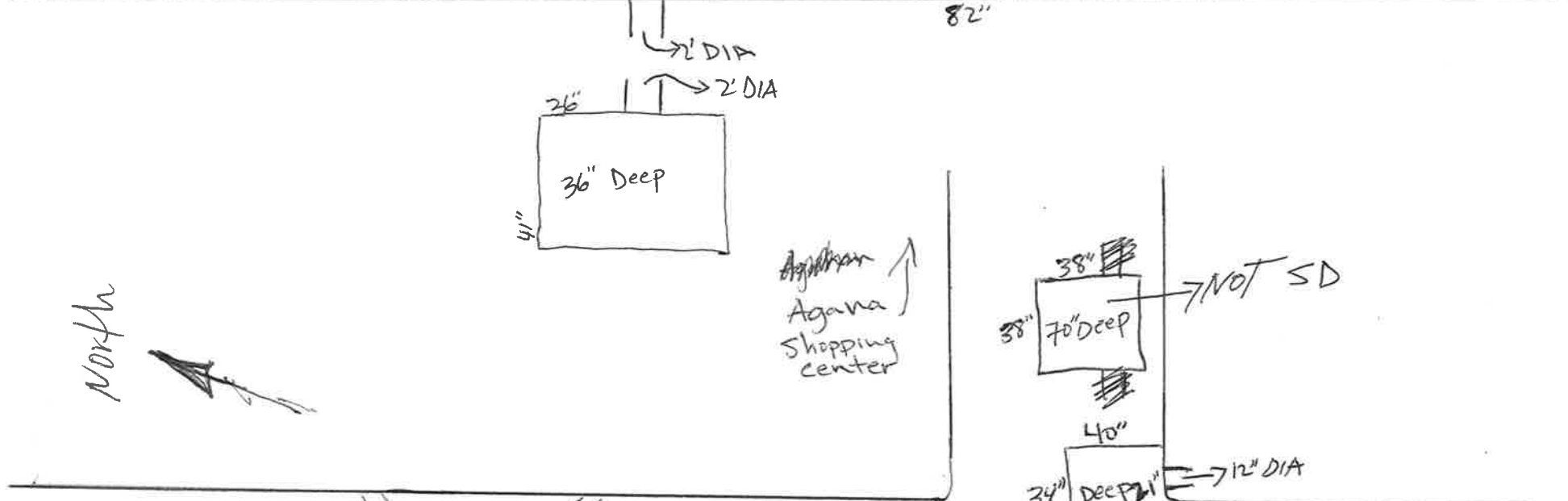
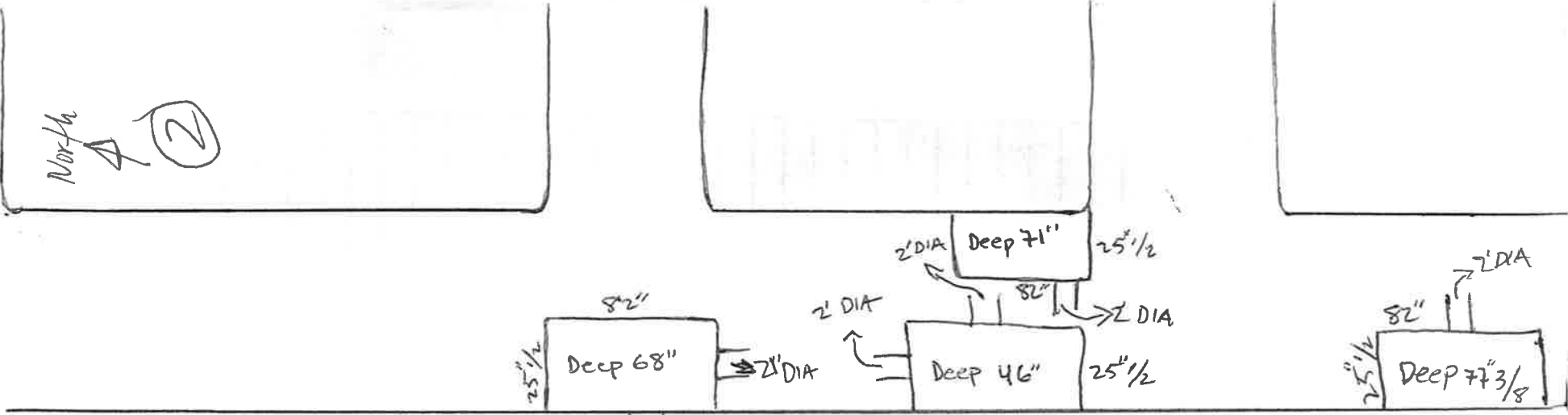
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←
To Rte 1

Rte #7A



AUGUST 20, 2008

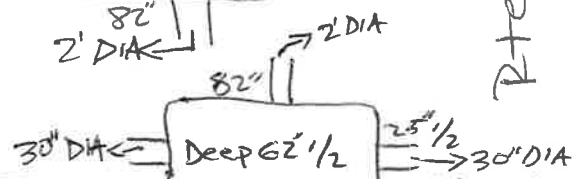
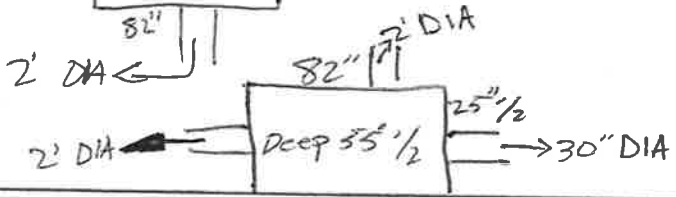
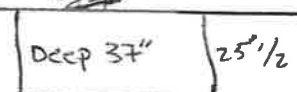
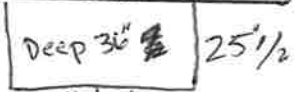


North

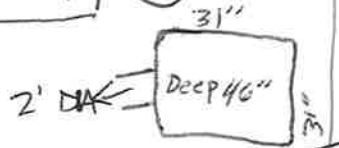
Pizza Hut

Shirley's coffee shop

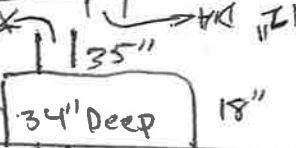
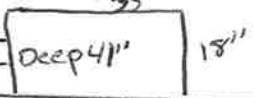
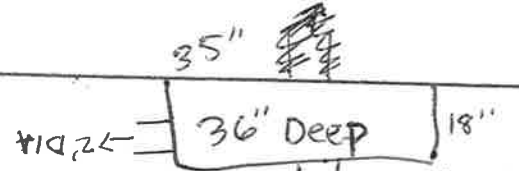
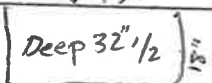
Rte #4



TO Mangilao



Guam Judicial center



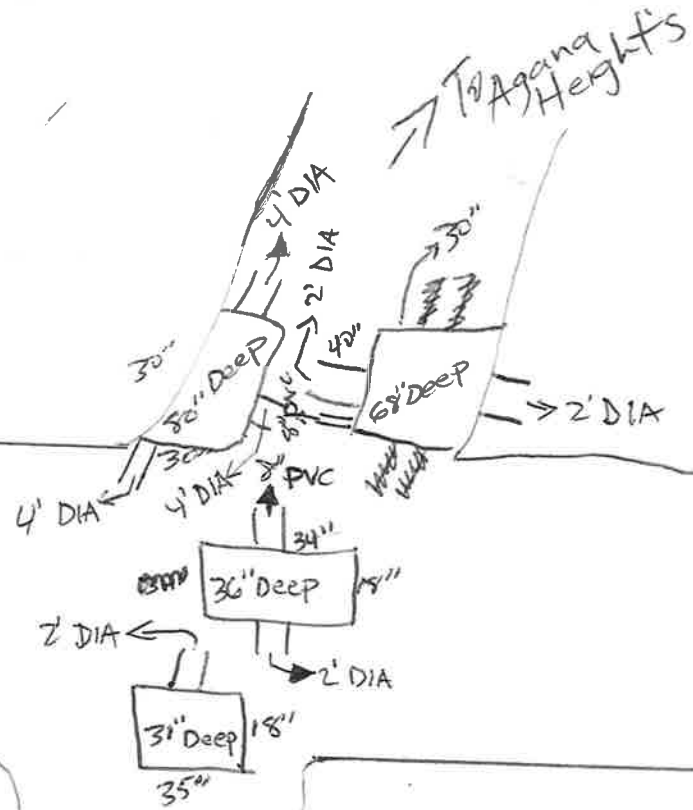
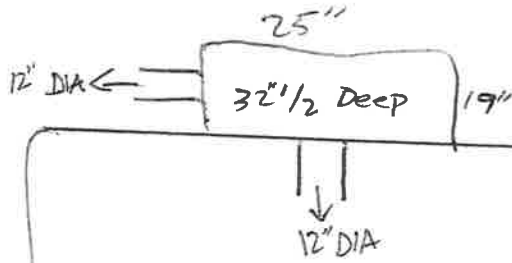
North



Guany Judicial Center

clog out water on top Full of Soil inside

Rte # 7



Rte 7A (Agana) PDN Building

#32
PPT ✓



OFFICE OF THE MAYOR
Vicente (Ben) Diaz Gumataotao

King
Pls. Handle Mayor
GUMATAOTAO'S SUBMISSION
w/ FBI, AND PROVIDE
Reply To Title
Mayor.
1/29/09

Guam IPMS	Contact No. GU-NH-IPMS (002)
Document No.:	32
File Number 1:	5.25
File Number 2:	

DEPARTMENT OF PUBLIC WORKS PROJECTS

Village Road Restoration Project Phase II

Arcenas Place
Meno Street
Assumption Drive
Fr. Mel Street
Bella Street
Casa de Nieves St.
Caroline St.
J.L. Quenga St.
Molina Street

Scharff Street
A. Quenga
Manga Street
Assumption Drive
JSN Quenga
J. M. Tuncap
Peaceful Valley
San Francisco Drive
Rosa Asher

Side Walk

Streetlight Repair/Installation (in conjunction w/Guam Power Authority)

Repair - 304 Assumption Drive
166 Edward Lane
140 J.C. Santos Street
45 East Anaco, Nimitz Hill Estates

Installation - Ocean Summit

Culvert Maintenance/Upgrade

A. Quenga Street
Fisheye Marine Park
7-11
Masso Bridge
Marin Peling Street
Assumption Drive



#35

Guam IPMS	Contract No. GU-NH-IPMS (002)
Document No.:	35
File Number 1:	5.2.V.
File Number 2:	5.1.1.6

Attn: Clifford Guzman

Pages: 8 including Courshert.

January 23, 2008 @ 2:58 pm.

RECEIVED



OFFICE OF THE MAYOR
MUNICIPALITIES OF TALOFOFO
"WHERE PUBLIC SERVICE BEGINS"
MAYOR PEDRO DUENAS PAULINO
184 N SAN MIGUEL ST TALOFOFO, GU
96915

TALOFOFO PRIMARY & SECONDARY ROAD REPAIR LISTING (AS PART OF THE 2030 GUAM TRANSPORTATION PLAN)

GENERAL LOCATIONS	STREET NAMES	LINEAR	WIDTH	CONDITION
As Lucas	ERNEST P. SANTOS LOOP	300	25	UNPAVED
Route 4A Towards Windward Hill	CHALAN FINA	955	22	UNPAVED
Route 4A Towards Windward Hill	CHALAN MAPAO	445	22	UNPAVED
As Lucas	VICENTE B. PABLO LN.	435	22	UNPAVED
As Lucas	FAMILIAN SANTOS	515	25	UNPAVED
As Lucas	VICENTE A CHARGUALAF	435	22	UNPAVED
As Lucas	AS LUCAS LN.	574	15	UNPAVED
As Lucas	ERNEST P. SANTOS ST.	445	22	UNPAVED
Talofofu	PASADERUN NAUTA	231	20	UNPAVED
As Lucas	E. JOHNNY S. TAITAGUE ST.	2600	22	UNPAVED
Village Proper	TOMAS PEREZ AVE.	1063	25	UNPAVED
Route 4A Towards Windward Hill	ATOIOGUE LN.	574	25	UNPAVED
As Lucas	PASADERUN FRANCISCO DIEGO	527	15	UNPAVED
As Lucas	PASADERUN RALPH SANTOS	527	15	UNPAVED
Route 4A Maite Towards Rt 4 Talofofu Bay Over-Look	S. SIGUENZA CT.	527	15	POT HOLES (PARTIALLY PAVED)
Route 4A Maite Towards Rt 4 Talofofu Bay Over-Look	N. SIGUENZA CT.	527	15	POT HOLES (PARTIALLY PAVED)
Route 4A Maite Towards Rt 4 Talofofu Bay Over-Look	SIGUENZA ST.	527	15	POT HOLES (PARTIALLY PAVED)

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GENERAL LOCATIONS	STREET NAMES	LINEAR	WIDTH	CONDITION
Part of Kanton Ladera's Subdivision	CAYETANO QUINATA LN.			POT HOLES (PAVED)
Route 4A Towards Windward Hill	JESUS GRACE CT.			POT HOLES (PAVED)
Route 4A Towards Windward Hill	PASADERUN JESUS GRACE			POT HOLES (PAVED)
Route 4A Towards Windward Hill	CHALAN JESUS GRACE			POT HOLES (PAVED)
Route 4A Towards Windward Hill	CAMACHO ST.			POT HOLES (PAVED)
As Lucas	CHALAN BENJAMIN TAIMANGLO			POT HOLES (PAVED)
As Lucas	PASADERUN ENRIQUE S. SAN NICOLAS			POT HOLES (PAVED)
As Lucas	ENRIQUE S. SAN NICOLAS CT.			POT HOLES (PAVED)
As Lucas	ENRIQUE S. SAN NICOLAS LN.			POT HOLES (PAVED)
As Lucas	PASADERUN GOLF VIEW			POT HOLES (PAVED)
As Lucas	CHALAN BENAVENTE			POT HOLES (PAVED)
As Lucas	PASADERUN BENAVENTE			POT HOLES (PAVED)
Village Proper	MARIANO M. BLAS ST.			POT HOLES (PAVED)
As Lucas	CHALAN NAUTA			POT HOLES (PAVED)
As Lucas	BIRADAN LEONARDO TENORIO			POT HOLES (PAVED)
As Lucas	KAYEN AS LUCAS			POT HOLES (PAVED)
As Lucas	ARIDONDON AS LUCAS			POT HOLES (PAVED)

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As Lucas	KAYEN DOK DOK			POT HOLES (PAVED)
As Lucas	KAYAN LEMMAI			POT HOLES (PAVED)
As Lucas	W. JOHNNY S. TAITAGUE ST.			POT HOLES (PAVED)
As Lucas	E. JUAN P. MANTANONA ST.			POT HOLES (PAVED)
As Lucas	W. JUAN P. MANTONONA ST.			POT HOLES (UNPAVED)
As Lucas	PASADERUN NAUTA			POT HOLES (PAVED)
As Lucas	FRANCISCO M. DUENAS ST.			POT HOLES (PAVED)
As Lucas	S. FATHER TIM ST.			POT HOLES (PAVED)
As Lucas	N. FATHER TIM ST.			POT HOLES (PAVED)
GHURA Housing (Main Rd)	PALE DUENAS ST.			POT HOLES (PAVED)
As Lucsas Subdivision	S. IGNACIO C. CASTRO ST.			POT HOLES (PAVED)
Part of Kanton Ladera's Subdivision	N. IGNACIO C. CASTRO ST			POT HOLES (PAVED)
Part of Kanton Ladera's Subdivision	BIRADAN PAGUNON			POT HOLES (PAVED)
Part of Kanton Ladera's Subdivision	KAYEN PAGUNON			POT HOLES (PAVED)
Part of Kanton Ladera's Subdivision	KAYEN TOGCHA			POT HOLES (PAVED)
Part of Kanton Ladera's Subdivision	CHALAN AYUYU			POT HOLES (PAVED)
Part of Kanton Ladera's Subdivision	CHALAN CANTON LADERA			POT HOLES (PAVED)

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Part of Kanton Ladera's Subdivision	BIRADAN LADERA			POT HOLES (PAVED)
Part of Kanton Ladera's Subdivision	KAYEN BACHINANGGO RD.			POT HOLES (PAVED)
Part of Kanton Ladera's Subdivision	JOSE P. CRUZ ST.			POT HOLES (PAVED)
Part of Kanton Ladera's Subdivision	S. DAVID GORTON ST.			POT HOLES (PAVED)
Village Proper	N. DAVID GORTON ST.			POT HOLES (PAVED)
Village Proper	S. SAN MIGUEL ST.			POT HOLES (PAVED)
Village Proper	N. SAN MIGUEL ST.			POT HOLES (PAVED)
Village Proper	N. LEONARDO TENORIO ST.			POT HOLES (PAVED)
Village Proper	S. LEONARDO TENORIO ST.			POT HOLES (PAVED)
Village Proper	N. IGNACIO P. QUITUGUA ST.			POT HOLES (PAVED)
Village Proper	S. IGNACIO P. QUITUGUA ST.			POT HOLES (PAVED)
GHURA	CHALAN KIROGA			POT HOLES (PAVED)
GHURA	KAYEN KAHET			POT HOLES (PAVED)
GHURA	FRANCISCO A. REYES AVE.			POT HOLES (PAVED)
GHURA	SPC. RICHARD DEGRACIA NAPUTI CT.			POT HOLES (PAVED)
Village Proper	ARIDONDON MAITE			POT HOLES (PAVED)
Village Proper	BIRADAN MAITE			POT HOLES (PAVED)

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GENERAL LOCATIONS	STREET NAMES	LINEAR	WIDTH	CONDITION
Village Proper	CHALAN MATA			POT HOLES (PAVED)
Village Proper	VICENTE C. CASTRO DR.			POT HOLES (PAVED)
Village Proper	CABRERA LN.			POT HOLES (PAVED)
Village Proper	BILLY TWO COWS			POT HOLES (PAVED)
Route 4A Maite Towards Rt 4 Talofof Bay Over-Look	MANUEL P. MANTANONA LN.			POT HOLES (PAVED)
Route 4A Maite Towards Rt 4 Talofof Bay Over-Look	MANUEL C. TENORIO DR.			POT HOLES (PAVED)
Route 4A Maite Towards Rt 4 Talofof Bay Over-Look	CHONG C. CASTRO HILL			POT HOLES (PAVED)
Route 4A Maite Towards Rt 4 Talofof Bay Over-Look	VICENTE A. NAPUTI DR.			POT HOLES (PAVED)
Route 4A Maite Towards Rt 4 Talofof Bay Over-Look	ROMAN C. AGUON DR.			POT HOLES (PAVED)
Ipan	DUENAS RD.	346	22	UNPAVED
Ipan	S. PAULINO HTS.	1465	22	UNPAVED
Ipan	N. PAULINO HTS.	915	22	UNPAVED
Ipan	PACHA DR.	1120	22	UNPAVED
Ipan	DON DEI DR.	595	25	UNPAVED
Ipan	N. DARWIN LN.	260	20	UNPAVED
Ipan	S. DARWIN LN.	260	20	UNPAVED
Ipan	CRUZ HEIGHTS	1700	22	UNPAVED

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GENERAL LOCATIONS	STREET NAMES	LINEAR	WIDTH	CONDITION
Ipan	PADUA LN.	386	22	UNPAVED
Ipan	PEREZ HEIGHTS	2895	22	PARTIALLY PAVED
Ipan	TUN MARIANO ST.			
Ipan	CHALAN BARANKA			
Ipan	BECK PING ST.			
Ipan	CALVO BEACH RD.			
Ipan	PAULINO HTS RD.			
Ipan	SABANA DR.			
Ipan	CHALAN CARMEN P. LEON GUERRERO			
Ipan	PASADERUN TASI			
Ipan	KAY CT.			
Ipan	CHALAN TUN MANET T. PAULINO			
Ipan	AUGUSTO C. PAULINO CIR.			
Ipan	CHALAN TAN MARIA C. PAULINO			
Ipan	HIBISCUS ST.			
Ipan	DYDASCO CT.			
Ipan	BEJA RD.			

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GENERAL LOCATIONS	STREET NAMES	LINEAR	WIDTH	CONDITION
Ipan	N. Lu-Ott's LN.			
Ipan	S. Lu-Ott's LN.			
Ipan	S.CHALAN FLORES LN.			
Ipan	N. CHALAN FLORES LN.			
Ipan	CHALAN OCEAN VIEW			
Ipan	CHALAN ISA			
Ipan	TAN ANA DUENAS AFLAGUE CT.			
Ipan	OKSO' ANTONIO B. DUENAS			
Ipan	MARTIN CT.			
Ipan	ROBERTO RD.			
Ipan	PACIFICO DR.			
Ipan	MONTE DR.			
Ipan	PASADURAN FRANCISCO P. PEREZ			
Village Proper	NORTH CHALAN KATON LADERA			
Village Proper	SOUTH CHALAN KATON LADERA			UNPAVED

Road/Street Restoration Project

Village: Agat

Street Name(s)/Road Name(s)	Priority Listing by Number	Topography
North Perino Street		
Herrera Lane		
Janiuay Street		
South Perino Street		
Erskin Drive		
Father Follard Street		
Bruce Street		
Osborne Street		
Calle Delos Marteres Road		
Duenas Street		
North/South Eugenio Street		
Cook Street		
Perry Street		
San Roque Street		
San Isidro Street		

Road/Street Restoration Project

Village: Agat

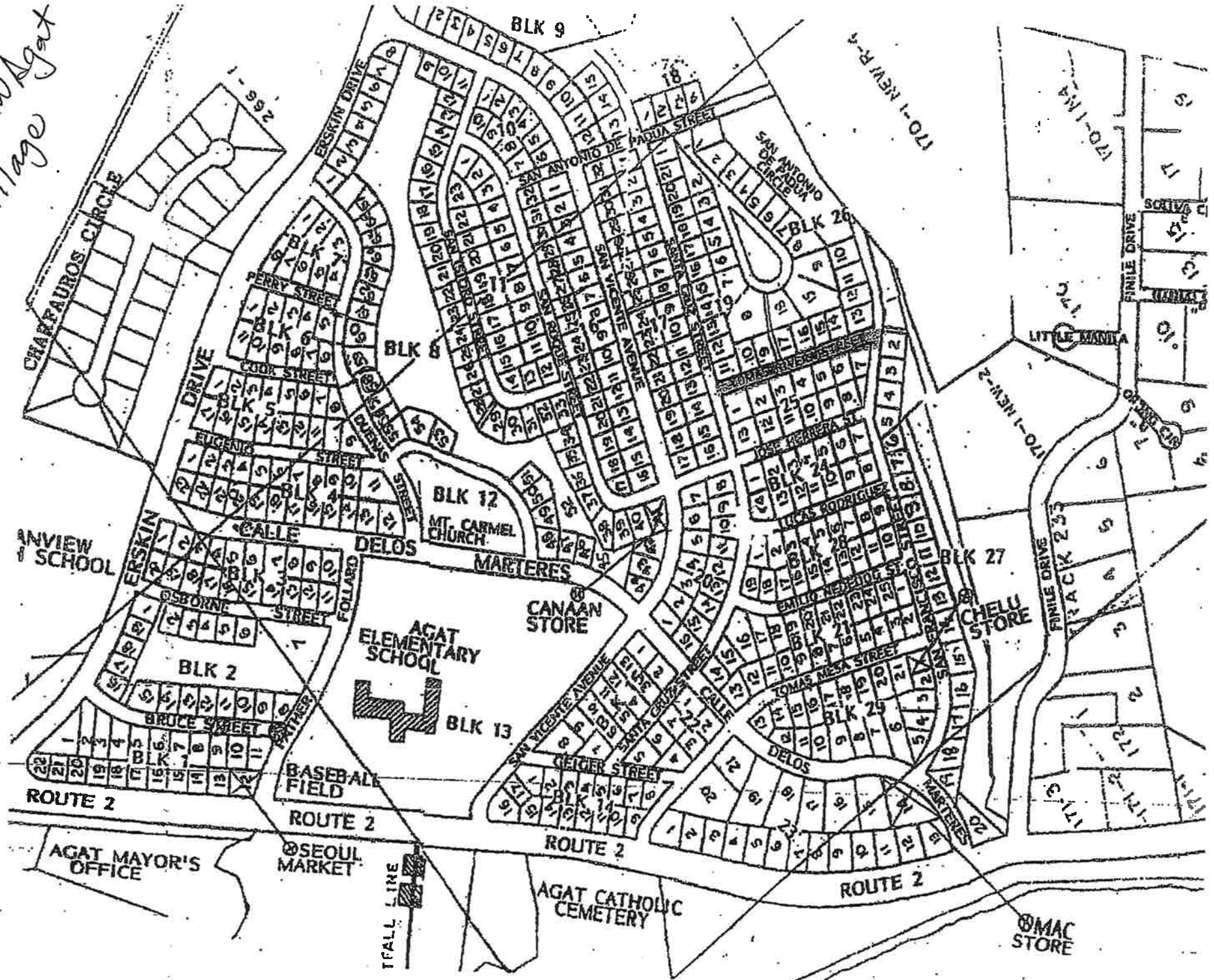
Street Name(s)/Road Name(s)	Priority Listing by Number	Topography
San Vicente Ave.		
Santa Cruz Street		
San Antonio De Padua Street		
Tomas Rivera Street		
Jose Herrera Street		
Lucas Rodriguez Street		
Emilio Nededog Street		
Tomas Mesa Street		
San Francisco Street		
Kalachucha Street		
Chalan Reyes		
Chele Road		
Juan D. Rivera Street		
Theodora Lane		

Road/Street Restoration Project

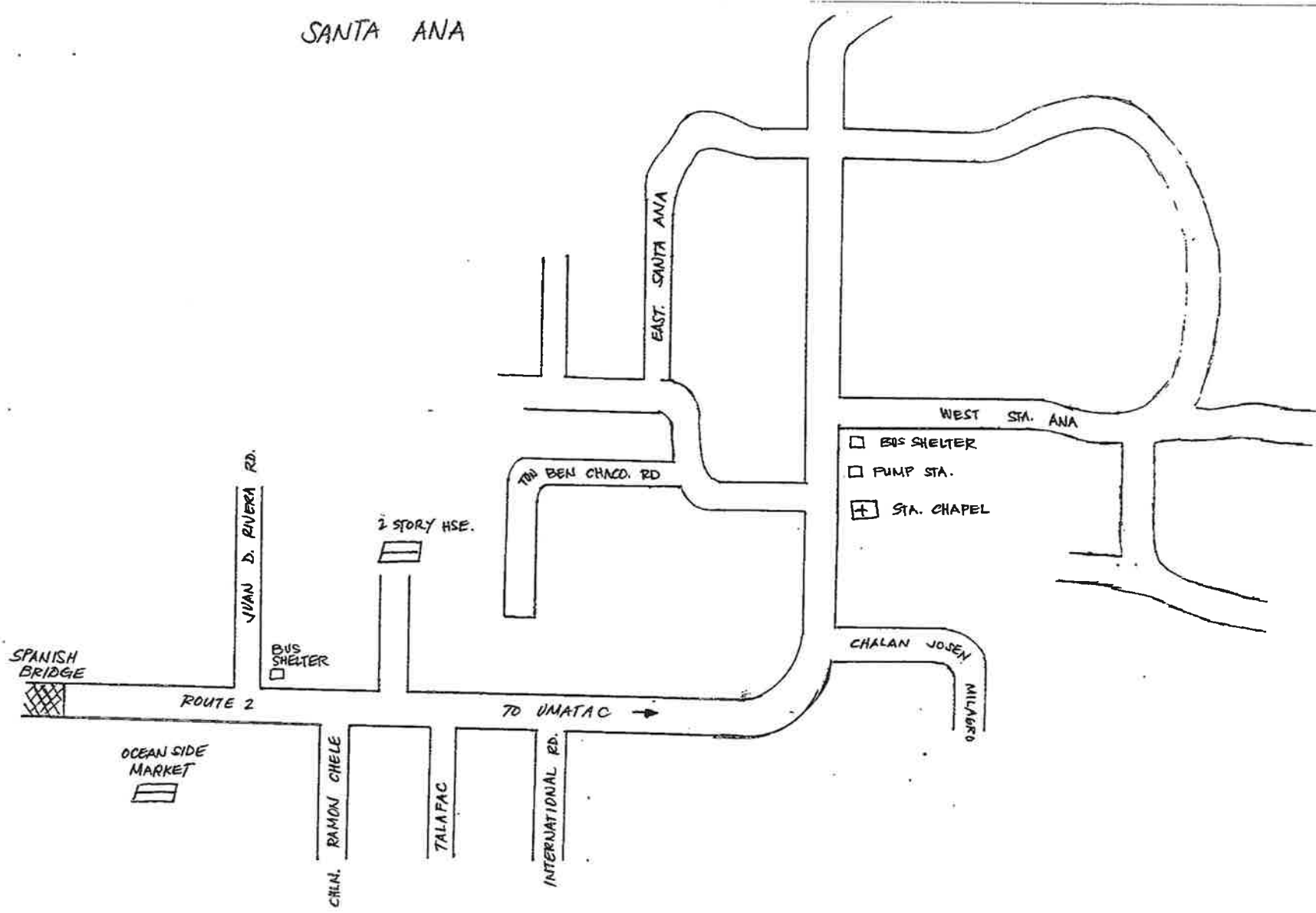
Village: Agat

Street Name(s)/Road Name(s)	Priority Listing by Number	Topography
Lot 198-New-5 Nimitz		
East Santa Ana		
West Santa Ana		
Tun Ramon Chele Road		
Chaco Street		
Palacios Drive		
Chalan Pastot (Upper Umang)		
Saint Andrew Road		
Finile Drive		
Little Manila Road		
Tanaguan Road		
Marina Lane		
Palm Street		
Bertha Street		
G Street		
Daniel's Court		
Ha'ane Street		
Ben Butch Lane		
A. Banes Lane		

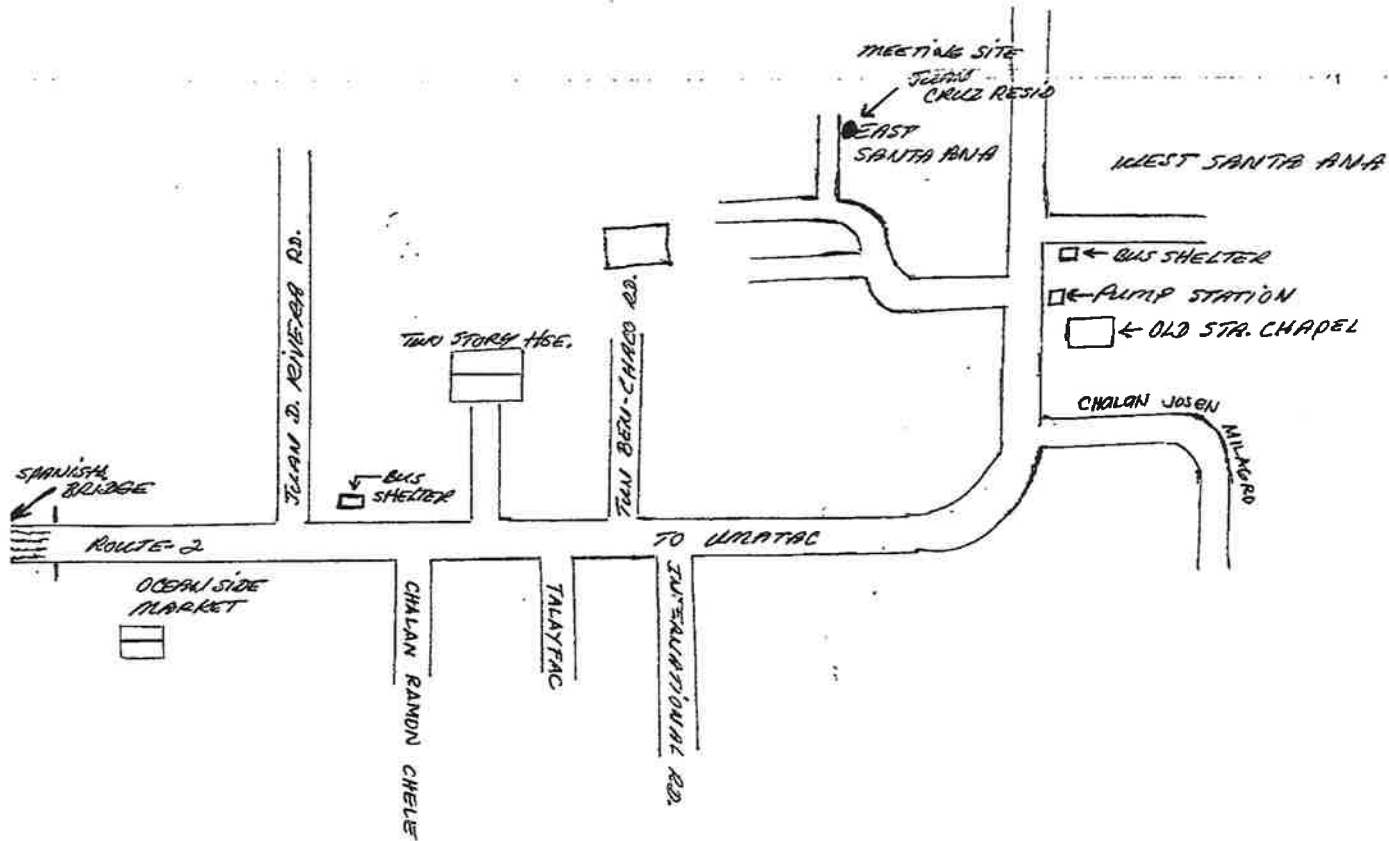
Village New Agat



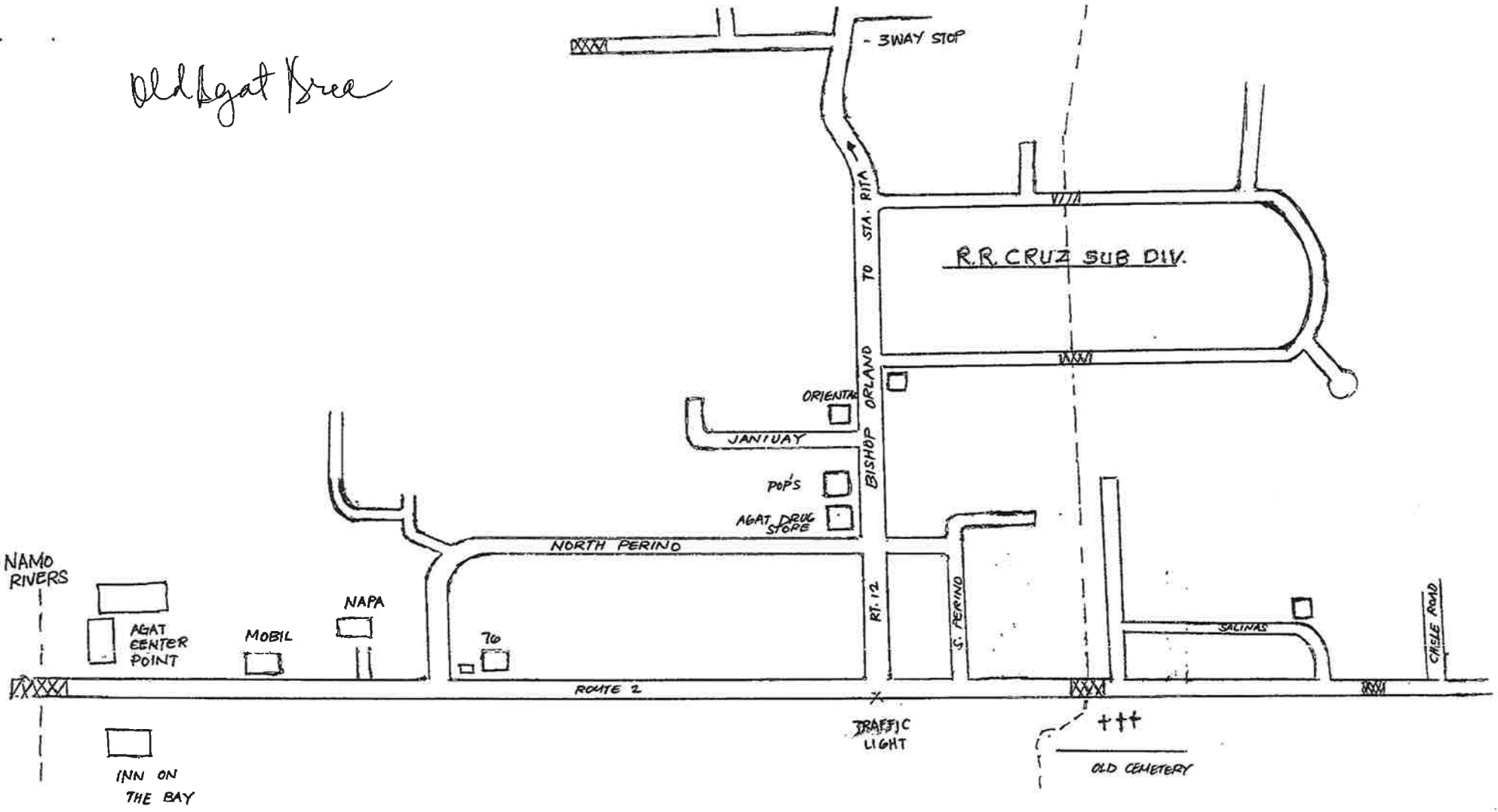
SANTA ANA



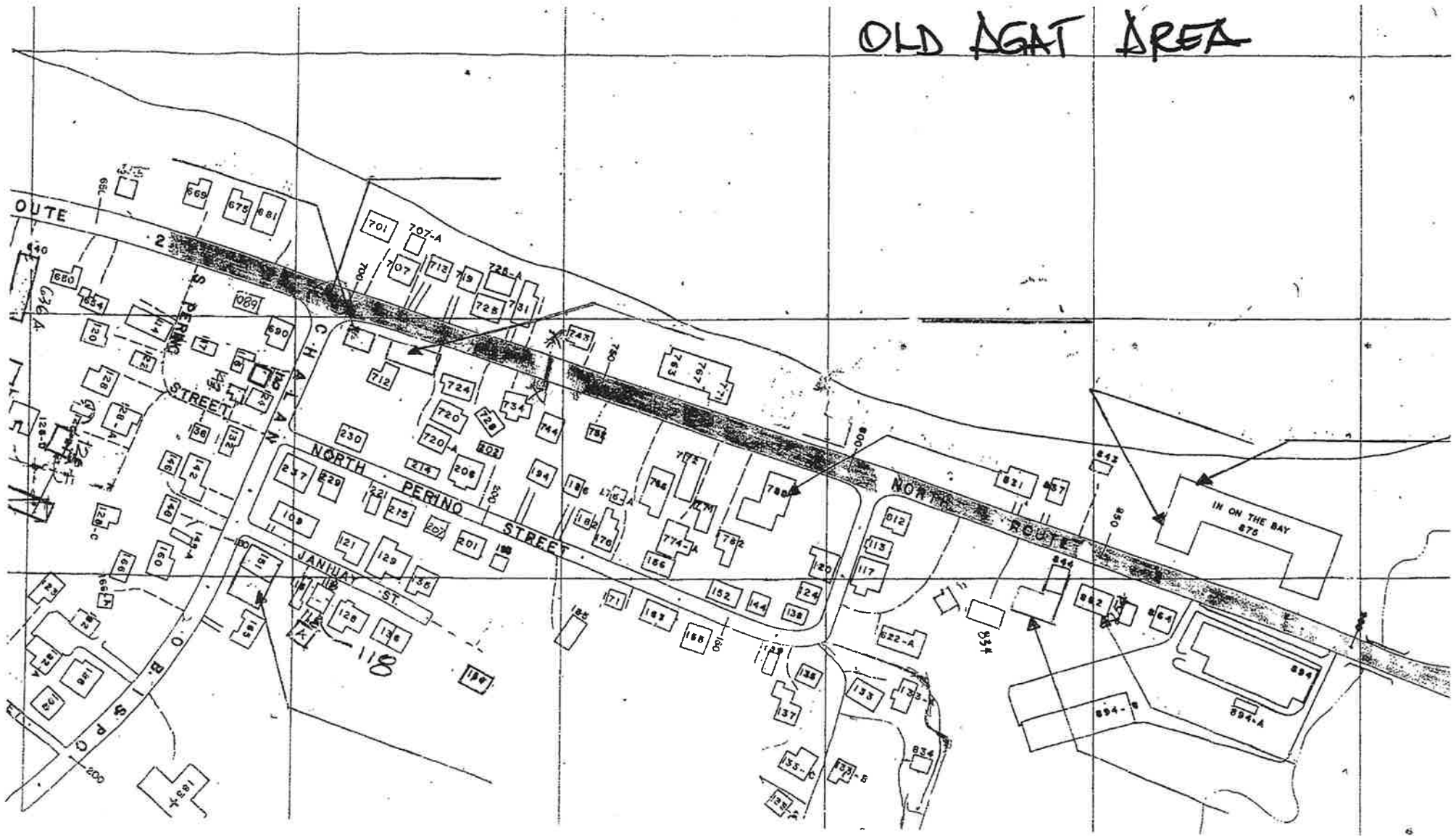
St. Ana → Manila



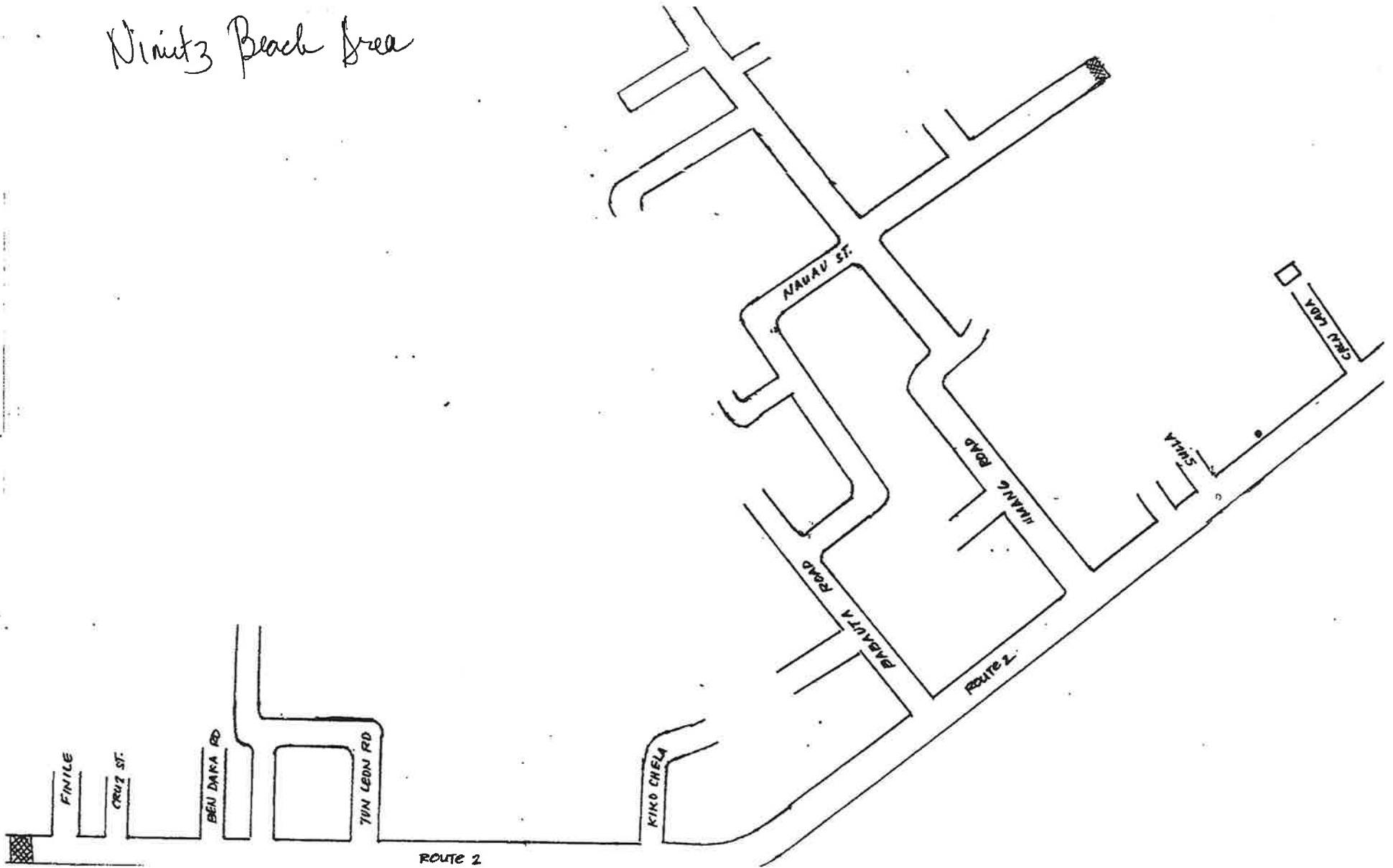
Old goat tree



OLD AGAT AREA



Nimitz Beach Area



Appendix H

Defense Access Road Needs Report



Guam Transportation Plan

Haul Road Network – First Priority Projects

Impacts Due to United States Marine Corp (USMC) and United States Army Ballistic Missile Defense (BMD) Relocations

Introduction

1. The United States 3rd Marine Corps Expeditionary forces Air Combat Element, Command element, Ground Combat Element, and Command Service Element will relocate from Okinawa, Japan to Guam with a projected schedule of completing the relocation by 2015. Additionally, the US Army Ballistic Missile Defense (BMD) Task Force is being located to the island. The build-up includes accommodating additional logistics capabilities for military training and operations, and improving pier/waterfront infrastructure for transient U.S. Navy nuclear aircraft carrier berthing at Naval Base Guam.
2. These military activities will increase traffic volumes and increase vehicular cargo weights beyond current levels. The roadway infrastructure in Guam is unable to handle the added traffic and the added weight of loads expected to support both the construction of the military base and to support ongoing military operations.
3. The concept of a “Haul Road Network” grew from identifying the routes most likely to be used by the military connecting known origins and destinations. In this fashion, routes used by the military would be pre-determined, impacts localized to those roadways, causing the need for improvements to be restricted to the identified network. The Haul Road Network, when fully improved, will have the traffic capacity and structural integrity to withstand the movement of military and civilian traffic and cargo loads of truck traffic during the build-up period.

Background

4. The U.S. Department of Defense (DoD) is currently completing an Environmental Impact Statement/Overseas Environmental Impact Statement (EIS/OEIS) for the relocation of the 3rd Marine Corps Expeditionary Forces Air Combat Element, Command Element, Ground Combat Element and Command Service Support Element from Okinawa, Japan to Guam. The build-up entails enhancing infrastructure and logistics capabilities for military training and operations, improving pier/waterfront infrastructure for transient U.S. Navy nuclear aircraft carrier (CVN) berthing at Naval Base Guam and placement of a U.S. Army ballistic missile defense (BMD) task force on Guam.
5. The DoD delegated the responsibility for managing the EIS/OEIS to the Joint Guam Program Office (JGPO). The JGPO was established within the Department of the Navy to facilitate the coordination, synchronization, and realignment of the Marines from Okinawa to Guam. JGPO works closely with the Government of Japan, Government of Guam, U.S. Congress and federal agencies to lead and manage the delivery of required capabilities to the Marines.
6. For purposes of this report “military build-up” relates specifically to the relocation of 8,000 U.S. Marines and their 9,000 dependents from Okinawa, Japan and the placement of a U.S. Army ballistic missile defense (BMD) task force on Guam. Troops will begin relocation in 2012 and will be fully relocated on Guam by 2015. Build-up activities related to military facility construction will occur from 2010 through 2015. Haul Road construction to support the military build-up will need to commence in 2009 and be complete by the end of 2013.

Process Overview

7. The Government of Guam Department of Public Works (DPW), in cooperation with FHWA, is nearing completion of the 2030 Guam Transportation Plan (GTP). The 2030 GTP addresses short and long-term transportation needs on Guam. In the plan, both non-military traffic growth as well as military build-up needs have been assessed. Population, employment, and traffic volume projections were developed for 2013 (the peak construction year for military facilities) and 2015 (the Marine relocation date) as part of this plan. Using best available information, the total number of trips to be generated by the buildup was distributed based upon knowledge of the future military facility sites and the expected distribution of military personnel throughout Guam.



8. The traffic, pavement and structures needs assessments to support the military build-up followed a process: identify origin and destination points required to both build the base and to serve the facilities on an ongoing basis; assess existing routes both for structural capacity (including bridges) and traffic capacity; identify a basic Haul Road Network; assess the deficiencies of the current network; quantify the work needed to bring the route to acceptable traffic flows and structural sufficiency; and assess it for phasing to stage implementation for improvements.

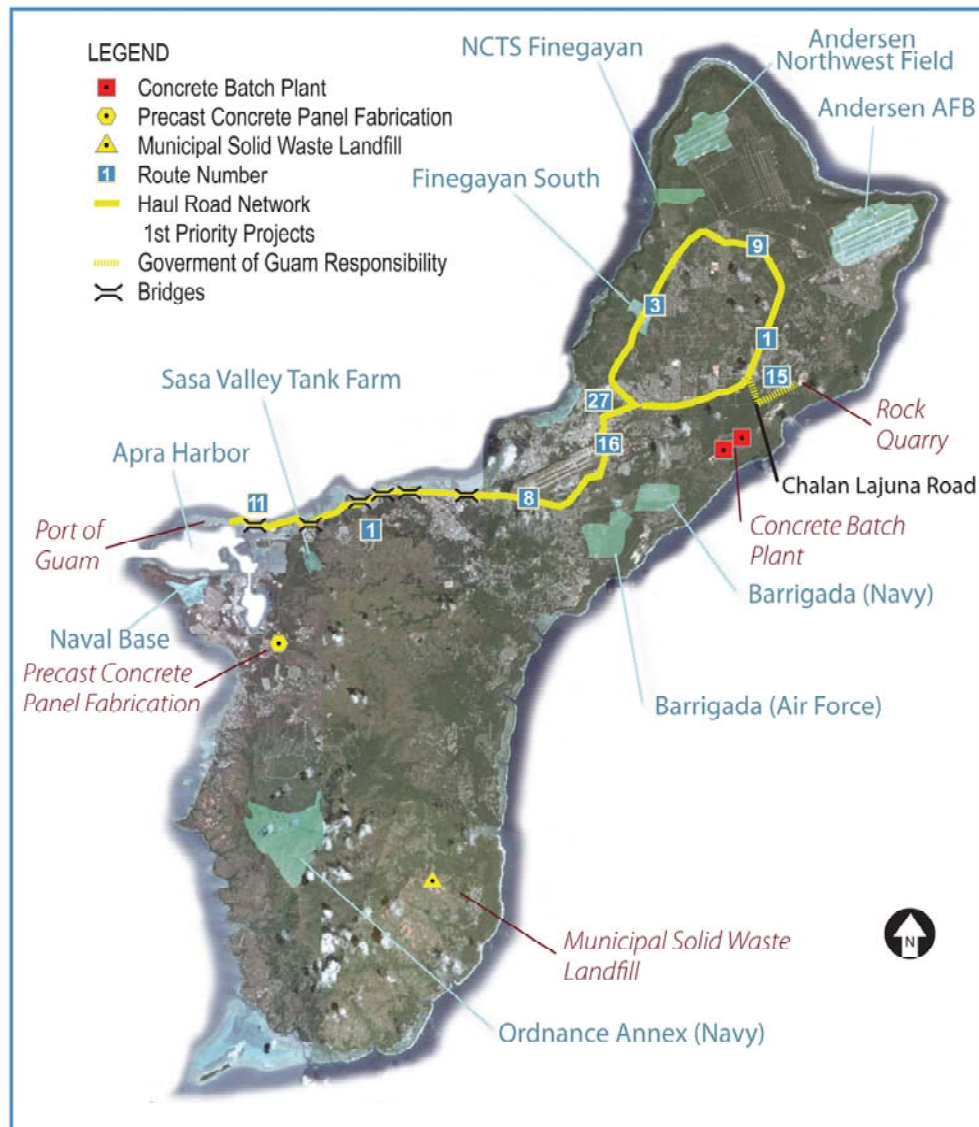
Project Purpose

9. *This report documents the need for and the resources required to improve the first priority phase of the Haul Road Network—roadway improvements designed to handle increased traffic and structural capacity, the need for which is caused by the military build-up on Guam.*

This Defense Access Roads Needs Report is intended to support a request for funding under the Defense Access Road (DAR) program. The funding would be used for required improvements to the Haul Road Network (HRN) on Guam. The Haul Road Network is essential to the United States Marine Corps (USMC) development of mission-critical infrastructure as part of its proposed relocation from Okinawa, Japan to Guam and the placement of the Army's Ballistic Missile Defense (BMD) Task Force on the island. Without this investment, the military forces relocated to Guam will not be operationally ready by 2015 to meet national and regional security requirements. Figure 1 shows the first priority projects on the Haul Road Network.



FIGURE 1: HAUL ROAD NETWORK FIRST PRIORITY PROJECTS



10. The first priority projects represent the initial improvements to the roadway infrastructure necessary to support early construction activities. The remaining improvements that comprise the entire Haul Road Network are illustrated in Attachment K. These projects will be released in additional priority groups in the near future.

Guam Transportation Plan

11. The deficiencies identified without the military growth are considered “organic”, meaning they are based on natural growth projections of population and increases in tourism and other industries. Traffic impacts created by organic growth will be the responsibility of DPW (typically in cooperation with FHWA). Guam has fully allocated its local and federal transportation revenues to address previously identified island-wide transportation needs. As detailed in Figure 2 below, the Government of Guam is poised to spend nearly \$175 million to address existing congestion problems, structural deficiencies, deferred safety improvements, and emergency relief projects on its roads. See Attachment L for a map and listing of projects in the Guam Territorial Improvement Plan (TTIP).



FIGURE 2: TRANSPORTATION FUNDING TO ADDRESS EXISTING NEEDS

YEAR	SOURCE OF FUNDS	AMOUNT
CY 2008	Funds Available	\$103,000,000
CY 2009	FHWA Annual Allocation '09 (Net) + Earmark Funds	\$25,100,000
CY 2010	FHWA Annual Allocation '10 (Net)	\$24,900,000
CY 2011	FHWA Annual Allocation '11 (Net)	\$21,500,000
	Total	\$174,500,000

12. The development of the Haul Road Network established a new series of transportation infrastructure requirements to meet the critical needs of the military. The Government of Guam does not have the resources to fund these additional requirements which are critical to support the military build-up efforts on Guam and the military's mission, goals and objectives.

Development of the Haul Road Network

13. The Haul Road Network was developed to focus on the impacts of military construction traffic onto certain specified routes. It is comprised of features designed to address the impact of the increased traffic on the island in 2013 and the increased use of heavy trucks to distribute military and construction supplies to the required facilities. To support the initial construction activities of the build-up, a priority route within the HRN was identified. These priority roads provide connectivity between the commercial Port of Guam, Smith Rock Quarry, Andersen Air Force Base, and the NCTS Finegayan and South Finegayan sites.
14. The Haul Road Network was developed with input from various agencies, organizations and stakeholders. Stakeholder meetings were held with the Naval Facilities (NAVFAC), the Chamber of Commerce and its Maritime Subcommittee of Transportation and Truckers, Naval Facilities Marianas Islands (NAVFACMAR) and the Guam Contractors Association. Additionally, recommendations were provided by Guam's Department of Public Works (DPW) and Joint Guam Program Office (JGPO). At these meetings, stakeholders provided information regarding preferred routing of truck traffic, road conditions, points of congestion, as well as proposed improvements facilitating the expeditious and safe movement of trucks supporting the construction activities for the build-out of the military facilities, and the movement of military equipment, materials, supplies and personnel. This information was then used to develop the traffic analysis to measure the impact of the construction activities. The stakeholder input and subsequent traffic analysis resulted in a refinement of the Haul Road Network.

General Description of Haul Road Network Components

15. The key component of the HRN is a strengthened bypass on the Route 8/Route 16 corridor on the easterly side of the Guam International Air Terminal. This by-pass route would provide a good alternative for moving cargo across the island rather than the normally congested Route 1 corridor through Tamuning. The primary truck route between the Port of Guam, NCTS Finegayan and Anderson Air Force Base would consist of Route 1 from the Port to Route 8, Route 8 to Route 16, Route 16 to Route 27, Route 27 back to Route 1, Route 1 to Route 3 and Route 3 to Finegayan. Trucks moving cargo from the intersection of Route 1/Route 27 would have the option of using Route 1 or Route 3 to access the various Andersen Air Force Base gates.
16. Other major truck routes include Route 3 north of NCTS Finegayan and Route 9 which provide access to Northwest Field and Andersen Air Force Base. Another key connection is along Route 15 and Chalan Lujuna which will connect the Rock Quarry, providing aggregate to the military construction sites, to the remainder of the HRN.



Impacts of the Military Build-up on Guam Roads

17. The Marine relocation from Okinawa will impact the structure and capacity of Guam’s roads because of the following:
- During the 2010-2014 build-up period, construction of the new military facilities will greatly increase the number and frequency of heavy construction related trucks on the Haul Road Network. These construction vehicles and supporting industry traffic will increase congestion. Additionally, these trucks will expedite the break down of the already substandard pavement on the roads, creating safety issues.
 - In 2015 the population on Guam will be approximately 226,000; an increase of approximately 25% over the current 2008 population. The population increase is due to the relocation of 8,000 Marines and their 9,000 dependents along with off-island workers (construction and indirect) that moved to Guam to support the build-up and still remain in 2015. Additional people will increase traffic volumes, congestion and safety on the roadways.
 - In addition to POV (personally owned vehicles) traffic, military truck traffic will increase once the Marine relocation is complete in 2015. The Haul Road Network will serve the vehicles transporting military cargo from the port to the various military facilities on the island. These military vehicles will further increase traffic volumes, increase congestion and impact the structural integrity of the roads and bridges.

Supporting Data Related to Impacts – Population

18. In 2007 there were approximately 6,400 active duty military personnel with nearly 7,700 dependants on Guam. By 2015, the aggregate of all DoD components located on Guam will be approximately 12,890 active duty and 12,130 dependents. This is an increase of roughly 100 percent in military personnel and 60 percent in dependants on Guam by 2015.
19. Overall population projections indicate that with military build-up, Guam will increase its population by nearly 30% in the next seven years compared to just 9% if the Marine relocation did not occur. Figure 3a shows the overall population increases from 2008 to 2015, both with and without military build-up. Figure 3b shows the population increases due to the military build-up in 2013 and 2015. Figure 4 shows a graph of the anticipated population increase.

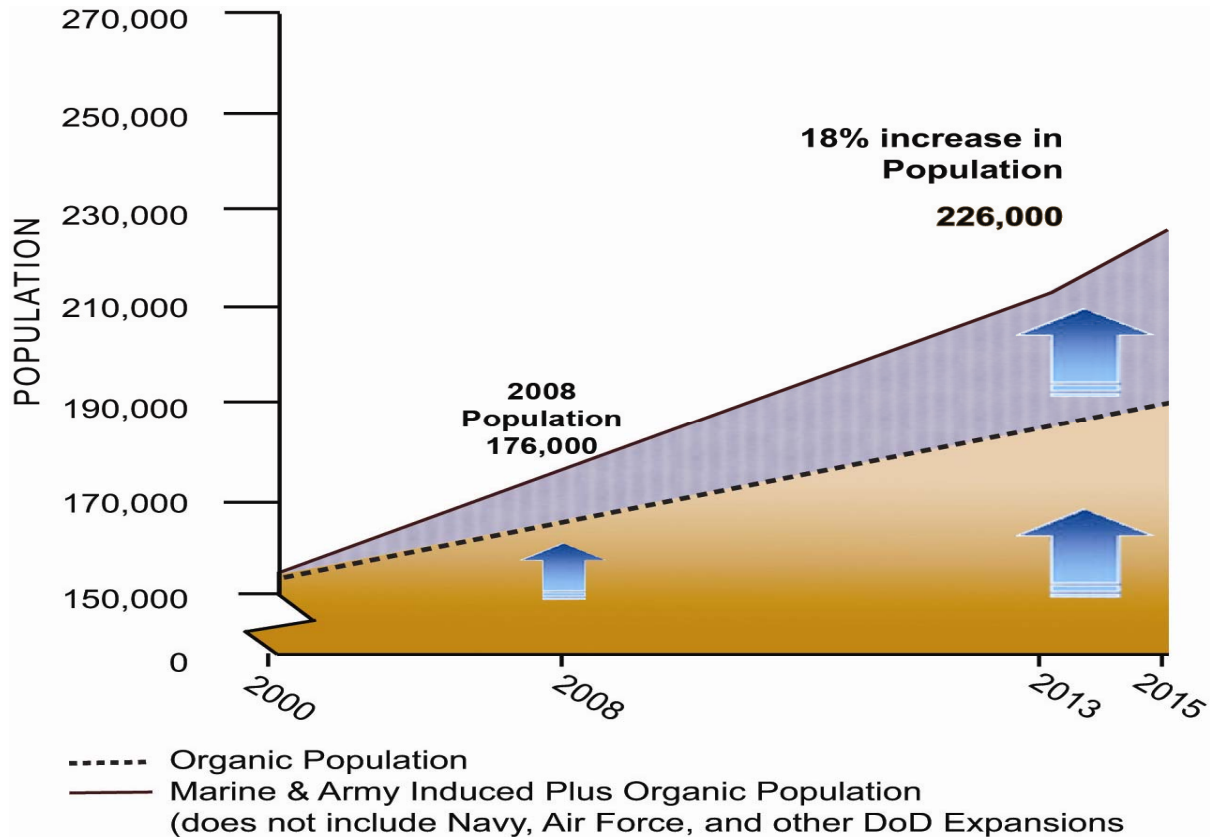
FIGURES 3A AND 3B: POPULATION PROJECTIONS

Current	Without Military Build-up			With Military Build-up		
	2008 Population	2013 Population	2015 Population	% Increase (2008-2015)	2013 Population	2015 Population
176,000	188,000	192,000	9%	215,000	226,000	28%

Year 2013			Year 2015		
Without Military Build-up Population	With Military Build-up Population	% Increase	Without Military Build-up Population	With Military Build-up Population	% Increase
188,000	215,000	14%	192,000	226,000	18%



FIGURE 4: POPULATION PROJECTIONS



Supporting Data Related to Impacts – Traffic Congestion

20. Initial island-wide traffic forecasts were prepared to identify the impacts of the military build-up as part of the 2030 Guam Transportation Plan. The Haul Road Network was evaluated based on the 2013 Peak Construction scenario as well as the 2015 Military Build-up scenario. A 2013 Construction Peak No Indirect Worker scenario and a 2015 Military Build-up No Indirect Worker scenario were also developed to determine if resulting projects met the eligibility requirements for DAR funding. The following items provide information related to model inputs:

- The 2013 Peak Construction scenario includes 11,300 off-island construction workers associated with the construction of military infrastructure and 15,000 off-island indirect workers.
- The 2015 Military Build-up scenario includes 3,600 off-island construction workers and 9,800 indirect workers along with 8,000 Marines and their 9,000 dependents.
- The “No Indirect Worker” scenarios for both 2013 and 2015 included the construction workers but not the associated indirect workers.
- Military construction truck traffic associated with the 2013 Peak Construction as well as the 2015 Military Build-up truck traffic was estimated and included in the Haul Road Network analysis.

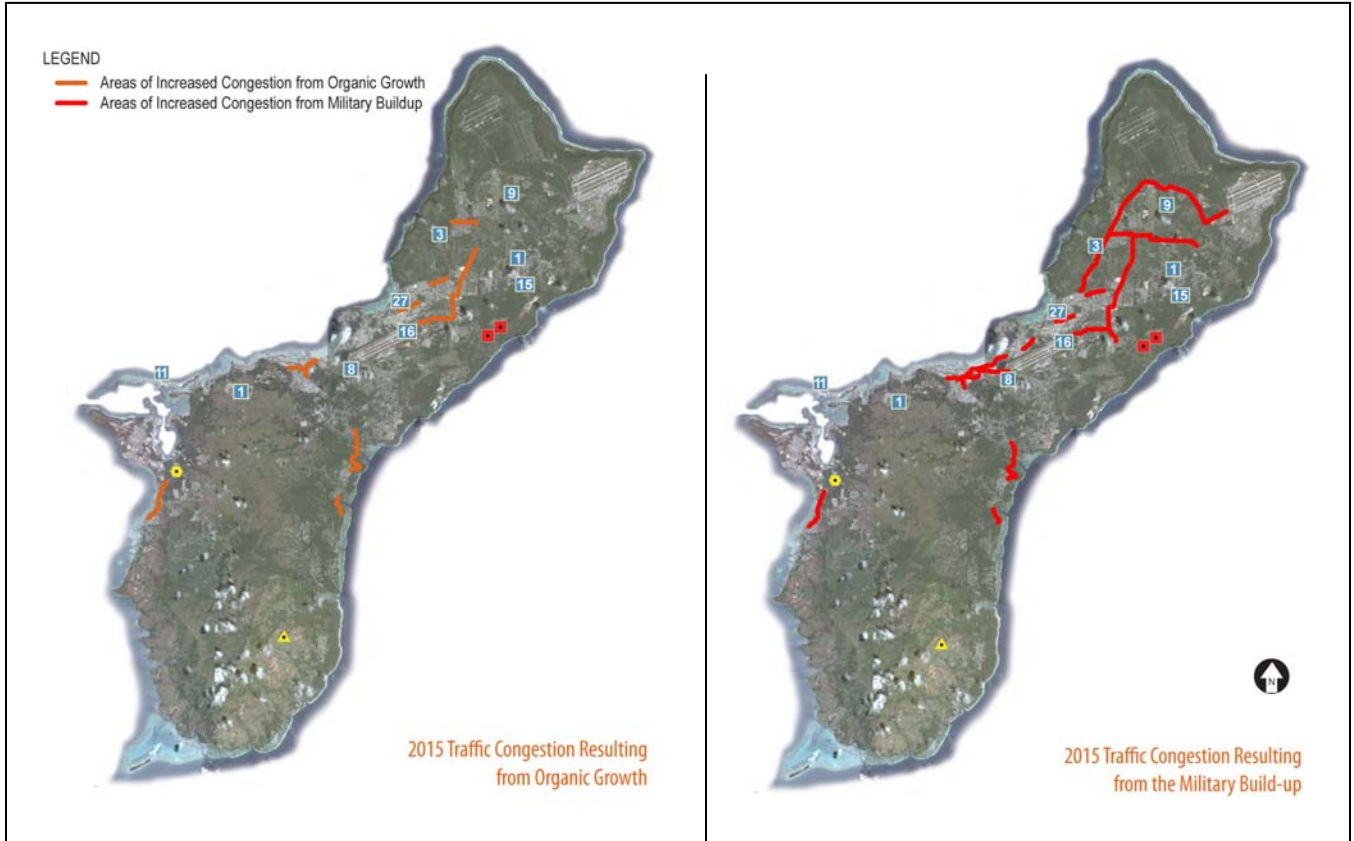


Background Truck Data

21. As part of the traffic modeling work, future truck traffic was based on current traffic information under a military build-up scenario (“background trucks”), excluding direct construction truck traffic resulting from the build-up. To do this, future cargo estimates were converted to truck trips. The cargo data was obtained from the Port Authority of Guam Master Plan. Below are key cargo estimates that were used:
- An estimated 190,000 annual bulk containers requiring one truck each will be added to the roadway network.
 - An estimated average of 675,000 annual tons of cargo will arrive at the port for distribution on the island. Assuming 48,000 pounds of cargo will be loaded onto each legally loaded truck, approximately 28,125 truck loads would be added to the roadways as a result of the increase in cargo transport.
 - An estimated 218,125 trucks per year, or approximately 600 trucks per day, would be added to the transportation network; approximately 400 of these additional trucks are anticipated to be related to other non-military construction activity on the island.
 - A similar analysis for the 2015 Military Build-up scenario results in an approximately 200 trucks per day for trucks coming in and out of the port.
22. The 400 and 200 military trucks per day and 2013 Peak Construction and 2015 Military Build-up, respectively, were assigned to the road network in Guam, using the travel demand model. The following assumptions were used:
- A truck by-pass route is proposed on Routes 8/16 to provide an alternative to the normally congested Route 1 through Tamuning.
 - 75 percent of all cargo will be distributed to the NCTS Finegayan and Finegayan South areas.
 - 15 percent of the cargo will be distributed to areas around Andersen Air Force Base (AAFB) and distributed equally among three access points.
 - 5 percent will be distributed near the Barrigada Navy site.
 - 5 percent will be distributed near the Navy Ordnance Annex site.
23. Figure 5 on the following page shows congestion on roads in 2015, both with and without military build-up (organic). The red lines indicate the congested road segments. The military build-up increases the number of congested roadways, especially in areas surrounding Finegayan South and NCTS Finegayan.



FIGURE 5: TRAFFIC CONGESTION DUE TO POPULATION GROWTH



24. Figures 6a and 6b on the following page show the traffic volumes for DAR eligible projects for the years 2013 and 2015 on the Haul Road Network. Figure 6a includes road segments in which the daily traffic volumes (and therefore peak hour traffic volumes) are expected to double. Figure 6b includes intersections that at least one peak hour turning movement count will double. If no improvements are made to the Haul Roads, traffic on several segments will exceed the capacity resulting in severe congestion.



FIGURE 6A: HAUL ROUTE SEGMENTS DOUBLING OF TRAFFIC

Route	Segment	2008 Base	2013 W/O Indirect	2015 W/O Indirect
Route 3	Route 1 to Route 28	20,800	44,100	57,000
⁽²⁾ Route 3	Route 28 to NCTS Finegayan	7,700	43,400	55,800
Route 3	NCTS Finegayan to Route 9	6,800	14,400	20,300
Route 9	Route 3 to Route 1 (AAFB)	4,400	12,800	20,200
Route 1	Route 29 to Route 9 (AAFB)	14,200	23,800	31,700

(1) Bold indicates that Traffic Doubled

(2) Route 3 – Route 28 to NCTS Finegayan only segment proposed for widening for military build-up.

FIGURE 6B: PEAK HOUR TURNING MOVEMENTS

		Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	
Morning Peak Hour														
Route 1/Route 3	2008 Base				181		1,229	468	461			1,327	120	3,786
	2013 Const Peak				280		1,290	870	430			1,250	340	4,460
	2015 Build-up				390		1,550	1,020	510			1,220	380	5,070
Route 1/Route 8	2008 Base	N/A		724					1,516	300	646	1,077		4,263
	2013 Const Peak	370		810					1,590	340	650	1,420		5,180
	2015 Build-up	300		870					1,710	380	670	1,550		5,480
Route 1/Route 11	2008 Base	30	1,200			1,055	237	42		19				2,583
	2013 Const Peak	30	1,360			1,150	345	150		20				3,055
	2015 Build-up	50	1,470			1,330	255	85		30				3,220
Afternoon Peak Hour														
Route 1/Route 3	2008 Base				127		542	968	1,209			680	189	3,715
	2013 Const Peak				280		1,090	1,110	1,020			750	310	4,560
	2015 Build-up				230		1,030	1,360	1,130			820	330	4,900
Route 1/Route 8	2008 Base	N/A		439					1,934	100	970	1,140		4,583
	2013 Const Peak	510		450					2,040	90	1,050	1,280		5,420
	2015 Build-up	520		460					2,150	90	1,090	1,360		5,670
Route 1/Route 11	2008 Base	17	918			844	42	145		32				1,998
	2013 Const Peak	20	1,020			950	150	250		30				2,420
	2015 Build-up	20	1,170			1,070	85	190		50				2,585

(1) Bold indicates that Traffic Doubled on at least one movement, no indirect jobs.

Supporting Data Related to Impacts – Truck Volumes & Structural Deficiencies

- A major impact on Guam's roads will be both military and military-related construction truck traffic. The existing Haul Road Network is not structurally sound to withstand the additional number and weight loads of the military and construction vehicles that will be used during the 2012-2015 construction period. Information related to the additional volume of trucks follows the discussion of structural integrity.
- A structural pavement analysis of Guam's current typical road section shows that the increased truck traffic would cause severe structural damage to many of the roadways. The typical pavement section on Guam is substandard for the number and type of trucks that will be prevalent on the island during the 2013 Peak Construction period. The number of trucks on the island in any given section of the Haul Road network is expected to significantly increase.

The existing typical 17-inch pavement section is composed of 3-inch asphalt, 6-inch structural base material, and 8 inches of lime stone base/sub base. This will not be adequate to support the increased truck traffic. The required pavement strengthening will consist of several different alternatives such as mill and overlay, full depth reclamation and overlay, and



complete reconstruction where pavement profile cannot be raised due to curb and gutter constraints. The proposed pavement sections and loadings for the Haul Road Network are shown in Figure 7a and 7b below. The baseline Equivalent Single Axle Loading (ESAL) were derived from traffic counts collected in May 2008 with a 1.2% growth projected to 2012, and a 2.0% growth factor used to adjust for 2012 to 2015⁽¹⁾. The additional construction ESAL includes the loading due to the trucks hauling material for construction activities at the military construction sites. The total ESAL is a summation of the additional construction and baseline ESALs.

FIGURE 7A: PAVEMENT DESIGN INPUT FOR RECONSTRUCTION OPTION

Proposed Structural Section for the Widened Area (for estimate purposes only)			
<i>Design Methodology: 1993 AASHTO Guide for Design of Pavement Structures</i>			
Assumptions:			Struct'l # (SN)
Strong subgrade (Resilient Modulus >14 KSI)			Asphalt Pavement (A/C)
Reliability 95%			Crushed Base Course (CBC)
Initial Serviceability	4.5		Sub-base (SB)
Terminal Serviceability	2.5		
Overall Standard Deviation	0.49		
Directional ESAL = Total ESAL * 0.7			

(1) The background ESALs was based on May 2008 Traffic counts. The construction ESALs was based on total tons of material imported to the port and using end dump trucks to transport the material to the base. Within the total tons of materials, it was assumed that each construction dump truck can carry 12 tons of materials. The traffic model was not used for the background ESAL since the model did not have the capability of differentiating the truck classifications.

FIGURE 7B: PAVEMENT LOADING

Route No.	Route Segment Limits	Existing Str. No.	Required Additional Str. No.	Total Str. No.	Baseline ESALs (2012 to 2015) in Millions	Additional Construction ESALs in Millions	Total ESALs in Millions
11	Port to Route 1	2.28	2.10	4.38	1.20	1.85	3.05
1	Route 11 to Route 6	2.28	2.10	4.38	1.20	1.85	3.05
1	Route 6 to Route 8	2.28	2.10	4.38	1.20	1.85	3.05
8	Route 1 to Route 16	2.48	1.87	4.35	1.10	1.85	2.95
16	Route 8/10 to Route 27	2.38	2.32	4.70	2.40	1.85	4.25
27	Route 16 to Route 1	2.48	2.22	4.70	2.40	1.85	4.25
1	Route 27 to Route 3	2.48	2.37	4.85	2.40	2.92	5.32
3	Route 1 to NCTS Finegayan	2.48	2.18	4.66	1.10	2.92	4.02
3	NCTS Finegayan to Route 9	2.08	1.20	3.44	1.10	0.00	1.10
9	Route 3 to Route 1	2.48	0.22	2.74	0.30	0.00	0.30
1	Chalan Lujuna to Route 9	2.48	1.12	3.77	1.00	0.59	1.59
1	Route 27 to Chalan Lujuna	2.48	1.62	4.10	1.40	0.59	1.99
Chalan Lujuna	Route 15 to Route 1	2.08	2.72	4.80	4.00	1.07	5.07



The resulting increase in commercial truck traffic during the build-up without pavement reconstruction/rehabilitation will severely strain the existing roadway pavements. Significant pavement degradation and damage can be expected during the construction period of 2012-2015 if pavement reconstruction/rehabilitation is not undertaken.

Figure 8 shows the additional number of trucks per day that are estimated to result from the military build-up activities. Routes 1, 8, 16, 27, 1 and 3 between the Naval Base and NCTS Finegayan will be the most heavily impacted military truck route.

FIGURE 8: ADDITIONAL TRUCK TRIPS ON HAUL ROAD NETWORK

Start-Finish	Routes	Estimated Number of Trucks per Day During 2013 Peak Construction	Estimated Average Number of Trucks per Day During 2012-2015	Estimated: Construction ESALs (Mil)
Port to NCTS Finegayan	11, 1, 8, 16, 27, 3	1090	640	1.58
Port to Anderson	11, 1, 8, 16, 27, 3, 9	190	110	0.27
NCTS Finegayan to Anderson	3, 9	340	200	0.32
Pit to Anderson	15, 1, 9	--	--	N/A
Quarry to Anderson	15, CL, 1, 9	--	--	N/A
Quarry to NCTS	15, CL, 1, 3	460	270	1.07
Quarry to Roads	ALL	--	--	N/A
Port to Quarry (Road Materials)	11, 1, 8, 16, 1, CL, 15	--	--	N/A

Traffic information was collected at 18 different sites in May of 2008. Traffic counters were placed to count the number of vehicles, trucks, and truck classification using FHWA 13-bin truck classification. The traffic information was converted into loads or ESAL (18-kips equivalent single axle loads) which is one of the most important pavement design parameters. The results of the counts were summarized and shown in Figure 9.

FIGURE 9: VEHICLE CLASSIFICATION TYPES & PERCENTAGES

FHWA Classification	Vehicle Types Included	Percentage
Class 1, 2, 3	Motorcycles, cars, pickups, cars/pickups with trailers	91.4%
Class 4, 5, 6, 7	Single Unit Trucks including buses	7.8%
Class 8	Multi Unit Truck with Four Axles	0.5%
Class 9 and larger	Multi Unit Trucks with Five or more axles.	0.3%

Required Improvements

27. As discussed above, in order to alleviate congestion levels and provide a structurally sound road system, a number of roadway improvements will be required. This poses a challenge to the Government of Guam and the DoD. The roads in the network vary widely in terms of current traffic volumes, physical condition and design. As a result of the military build-up on Guam, traffic volumes and congestion levels are anticipated to reach intolerable levels on the Haul Road Network. The military-related trucks will add to the congestion levels, worsening already poor conditions. In addition, the structural integrity of the roads will be compromised due to the increased construction activities. If no action is taken, the loading from construction trucks will damage the pavement to point that it will require daily maintenance which would significantly impede all construction and lead to delays in the build-up schedule.
28. It is estimated that the Marine relocation will be complete by 2015. All improvements must be in place by 2014 so that the military can be fully functional. In order to achieve this goal of completion prior to full relocation in 2015, the U.S. Naval Facilities Pacific anticipates that construction activities on Guam will be undertaken during the period from 2011 to 2014.



29. Based on detailed analyses of the existing roads and projections of future needs as discussed above, as well as discussions with the Government of Guam, FHWA, and the U.S. Navy, required improvements were identified.

Required improvements generally fall into one of the following categories:

- Pavement strengthening
- Roadway widening
- Intersection improvements
- Bridge replacement

30. There is one structure, Agana Bridge #1 included on the first priority project network. As-built drawings for this bridge cannot be found. The condition and load carrying capacity were assessed using the 2004 FHWA bridge inspection. However, lacking as-built plans, the foundation capacity cannot be determined. Structures are rated at the inventory and operating levels. The inventory rating is the load that a bridge can carry for an indefinite number of loading cycles without detriment to the bridge. The operating rating corresponds to a maximum load that can be carried on an infrequent basis without detriment to the bridge. It is anticipated that contractors will need to transport construction material and equipment from the Port to Finegayan in trucks that will exceed the load rated capacity. Given the age, condition and the heavy loading requirements, the Agana Bridge #1 is recommended for replacement. The new bridge will be designed to accommodate the frequent application of large construction loads and heavy military vehicles.

Conclusion

31. It is recommended that DAR funding be provided for development of the Haul Road Network that has been identified to support the relocation of U.S. Marine forces from Okinawa, Japan to Guam. The Haul Road Network is central to the United States Marine Corps (USMC) development of mission-critical infrastructure as part of its proposed relocation. Without this investment, the military forces relocated to Guam will not be operationally ready by 2014 to meet national and regional security requirements.

Enclosures:

Attachment A: Traffic Analysis

Attachment G: Not Included

Attachment B: Pavement Analysis

Attachment H: Not Included

Attachment C: Bridge Analysis

Attachment I: Not Included

Attachment D: Not Included

Attachment J: First Priority Projects

Attachment E: Not Included

Attachment K: Haul Road Network

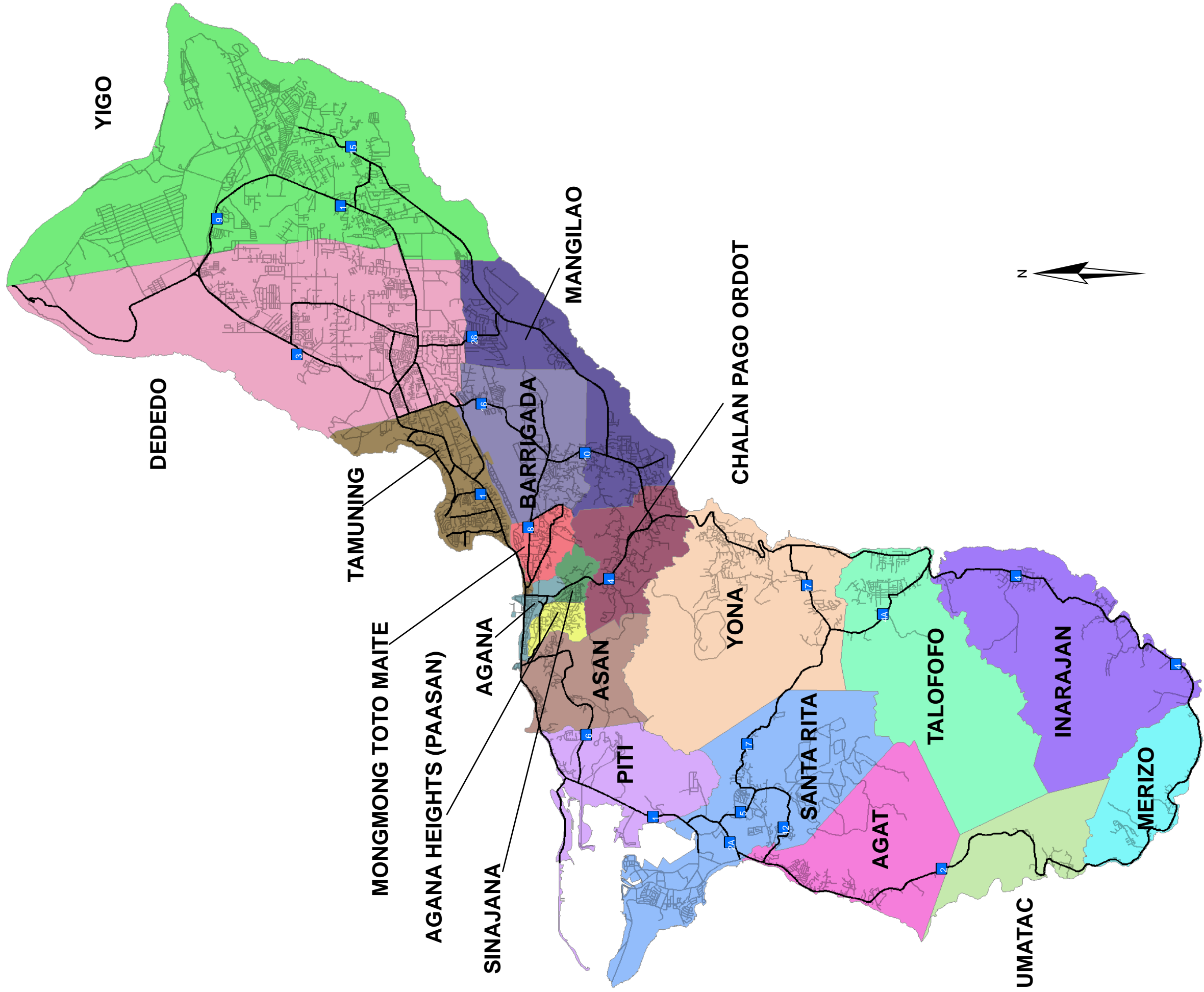
Attachment F: Not Included

Attachment L: Territorial Transportation Improvement Plan (TTIP) Projects

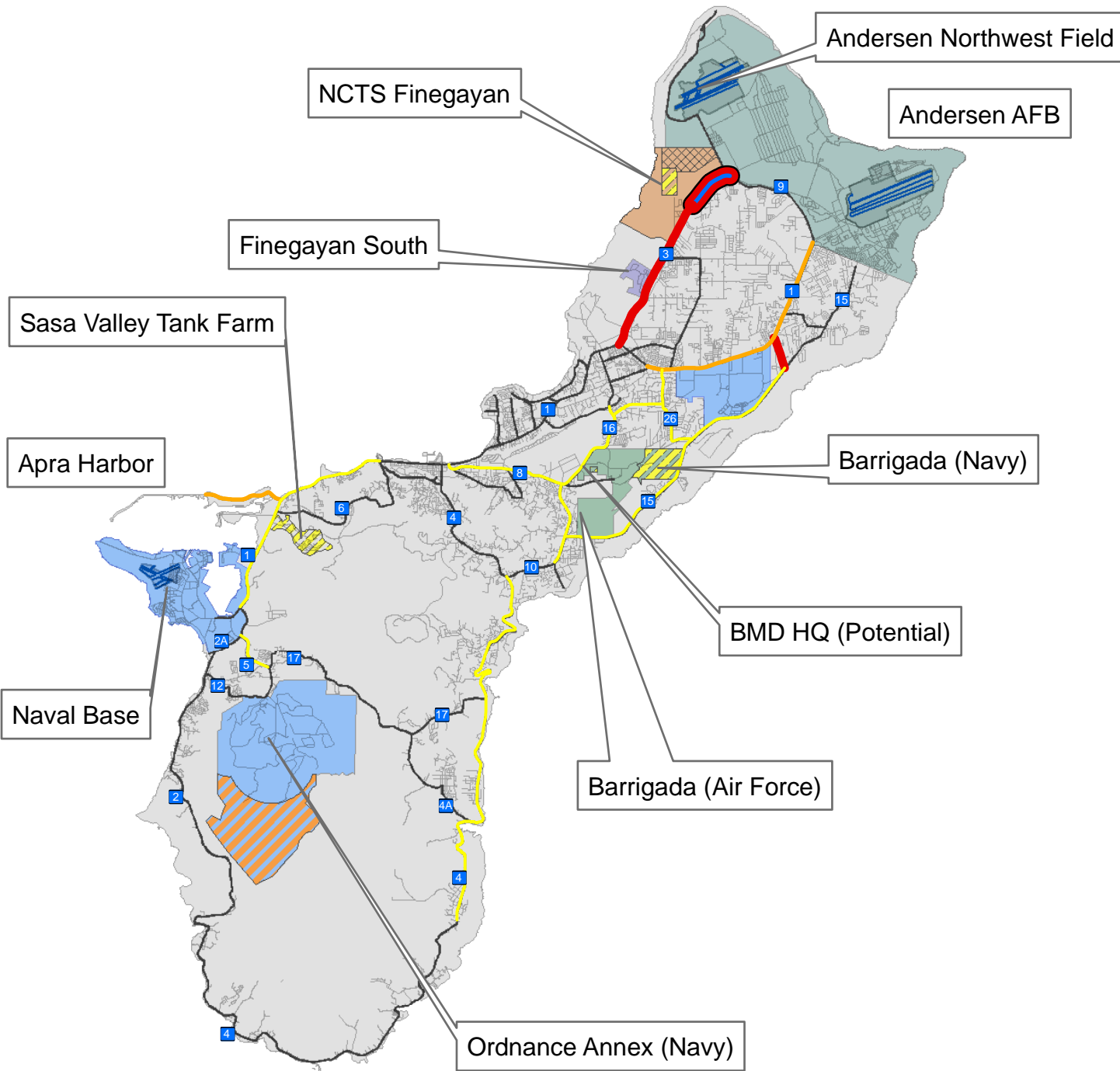
Appendix A: First Priority Projects (included as a preface to this Needs Report)

Appendix I

Final Maps



Guam Traffic Increases Attributable to Military Build Up 2013



Percent Increase in Traffic Volume Attributable to Military Build Up

- 0 - 50% Increase
- 50% - 99% Increase
- 100% - 250% Increase
- > 250% Increase

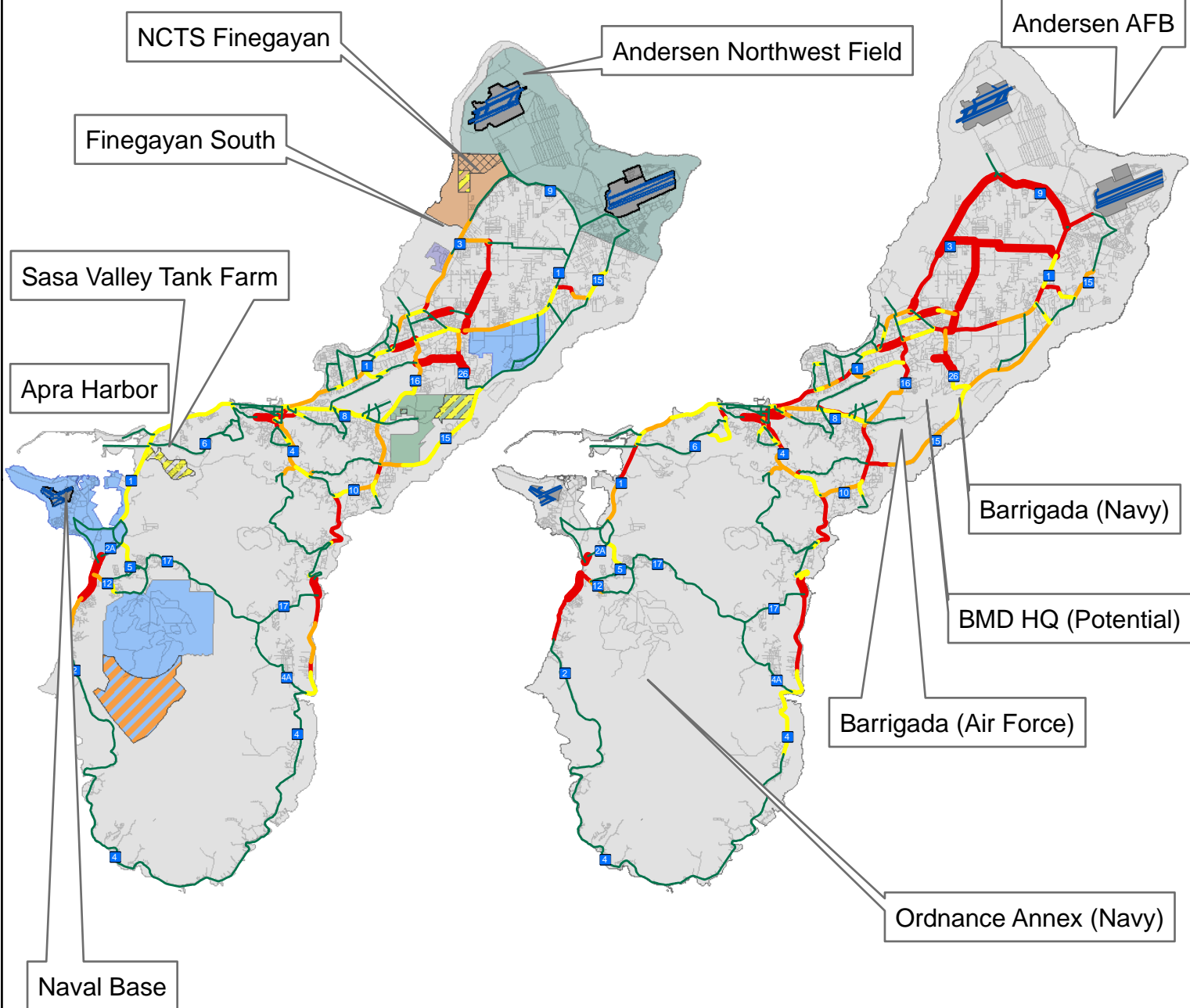
0 1.5 3 6 Miles



Baseline

Military Build-Up

Guam
AM Peak
Volume to Capacity
Ratios
2030



Volume to Capacity Ratios

- 1.51 - Max
- 1.16 - 1.50
- 1.00 - 1.15
- 0.81 - 0.99
- 0 - 0.80

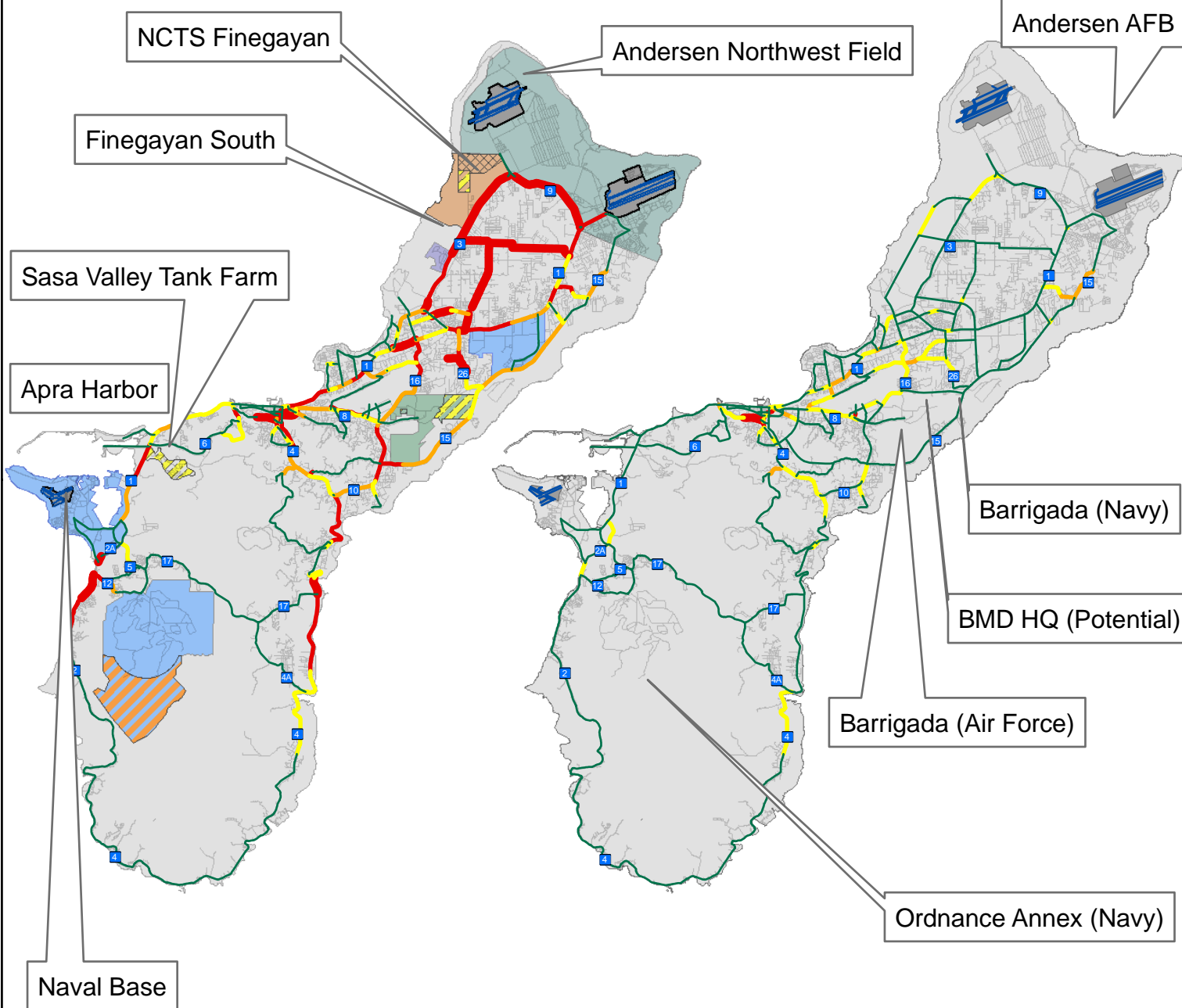
0 1.25 2.5 5 Miles



Military Build-Up

GTP with Military Build-Up

Guam
AM Peak
Volume to Capacity
Ratios
2030



Volume to Capacity Ratios

- █ 1.51 - Max
- █ 1.16 - 1.50
- █ 1.00 - 1.15
- █ 0.81 - 0.99
- █ 0 - 0.80

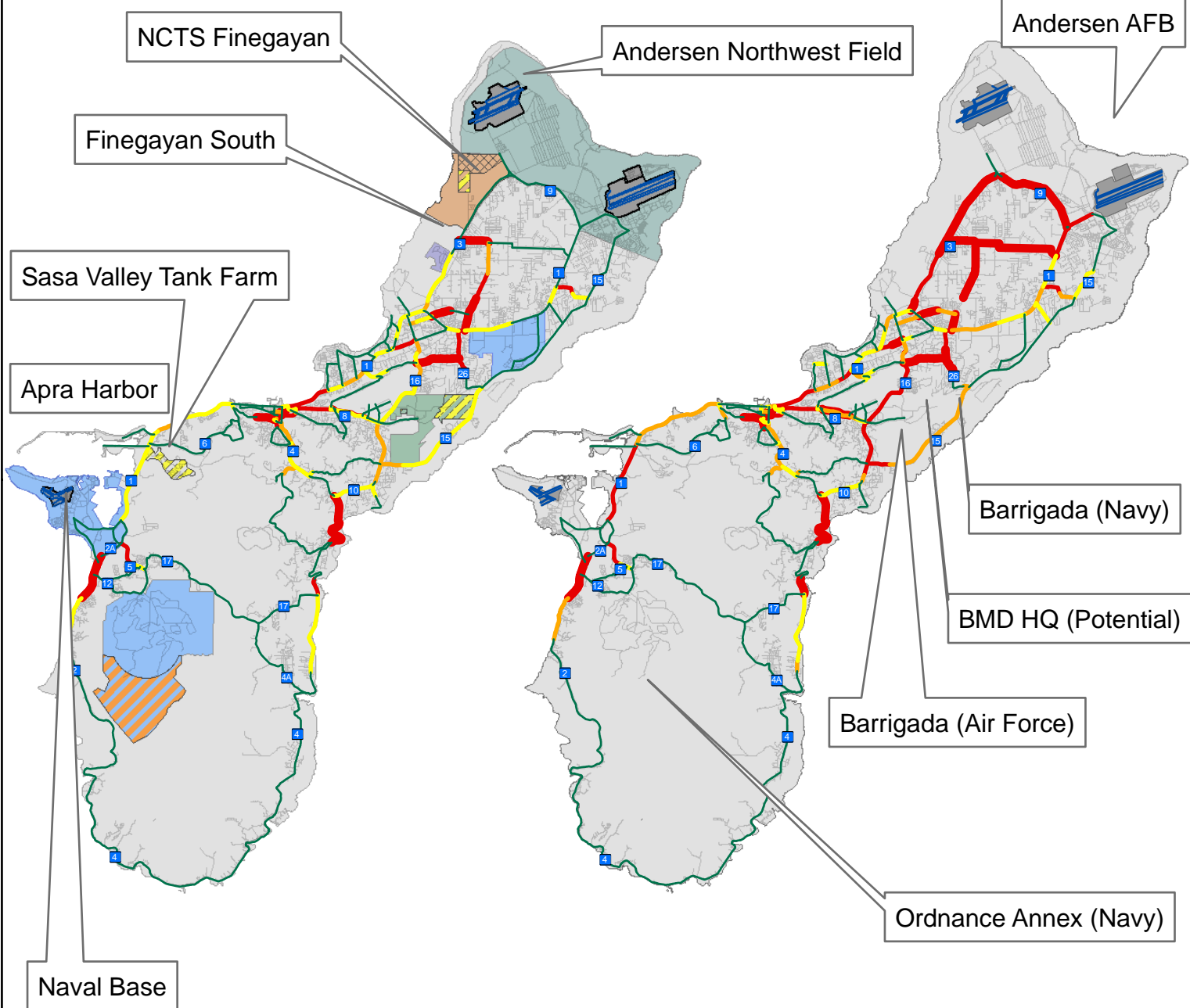
0 1.25 2.5 5 Miles



Baseline

Military Build-Up

Guam
PM Peak
Volume to Capacity
Ratios
2030



Volume to Capacity Ratios

- 1.51 - Max
- 1.16 - 1.50
- 1.00 - 1.15
- 0.81 - 0.99
- 0 - 0.80

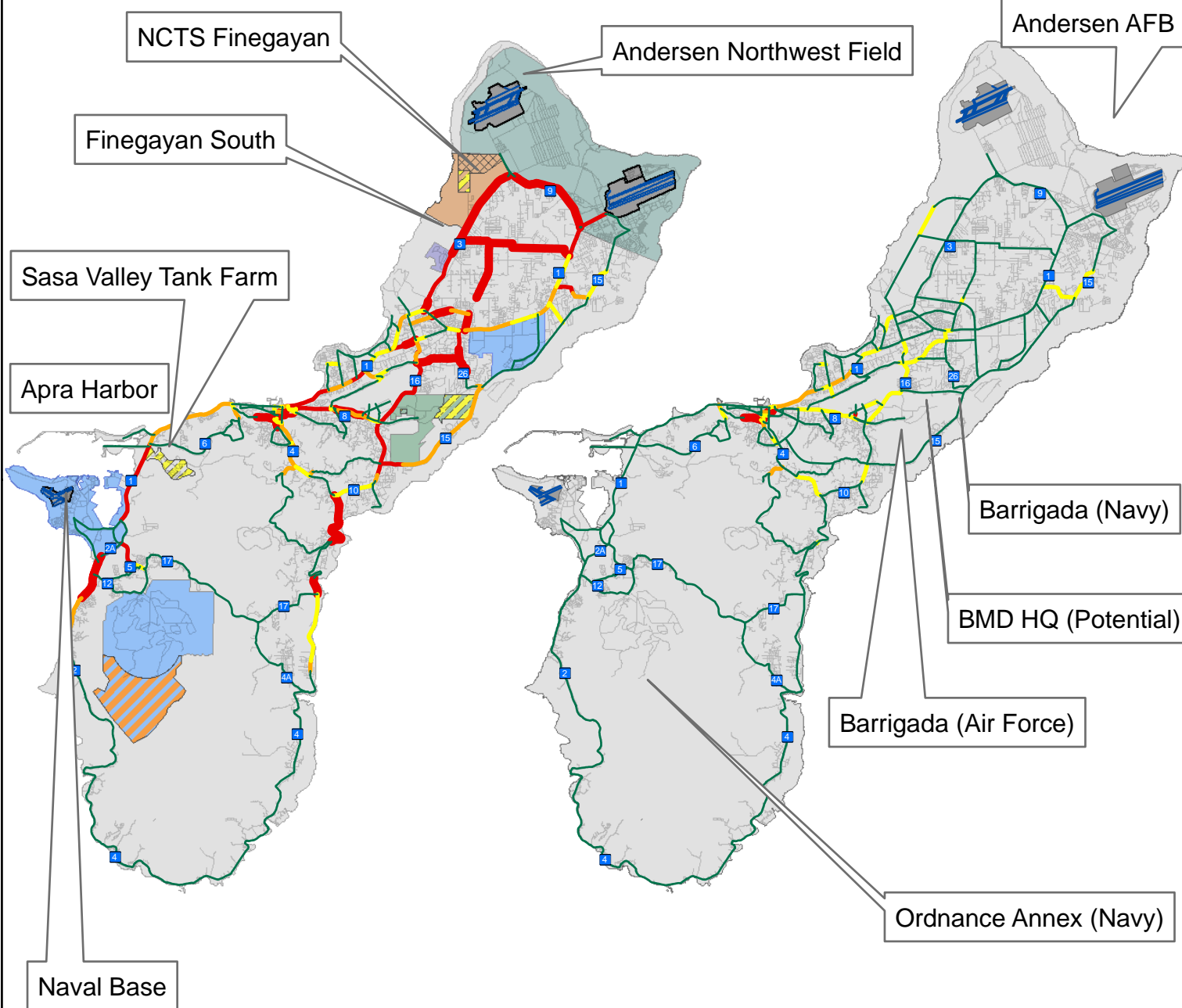
0 1.25 2.5 5 Miles



Military Build-Up

GTP with Military Build-Up

Guam
PM Peak
Volume to Capacity
Ratios
2030



Volume to Capacity Ratios

- █ 1.51 - Max
- █ 1.16 - 1.50
- █ 1.00 - 1.15
- █ 0.81 - 0.99
- █ 0 - 0.80

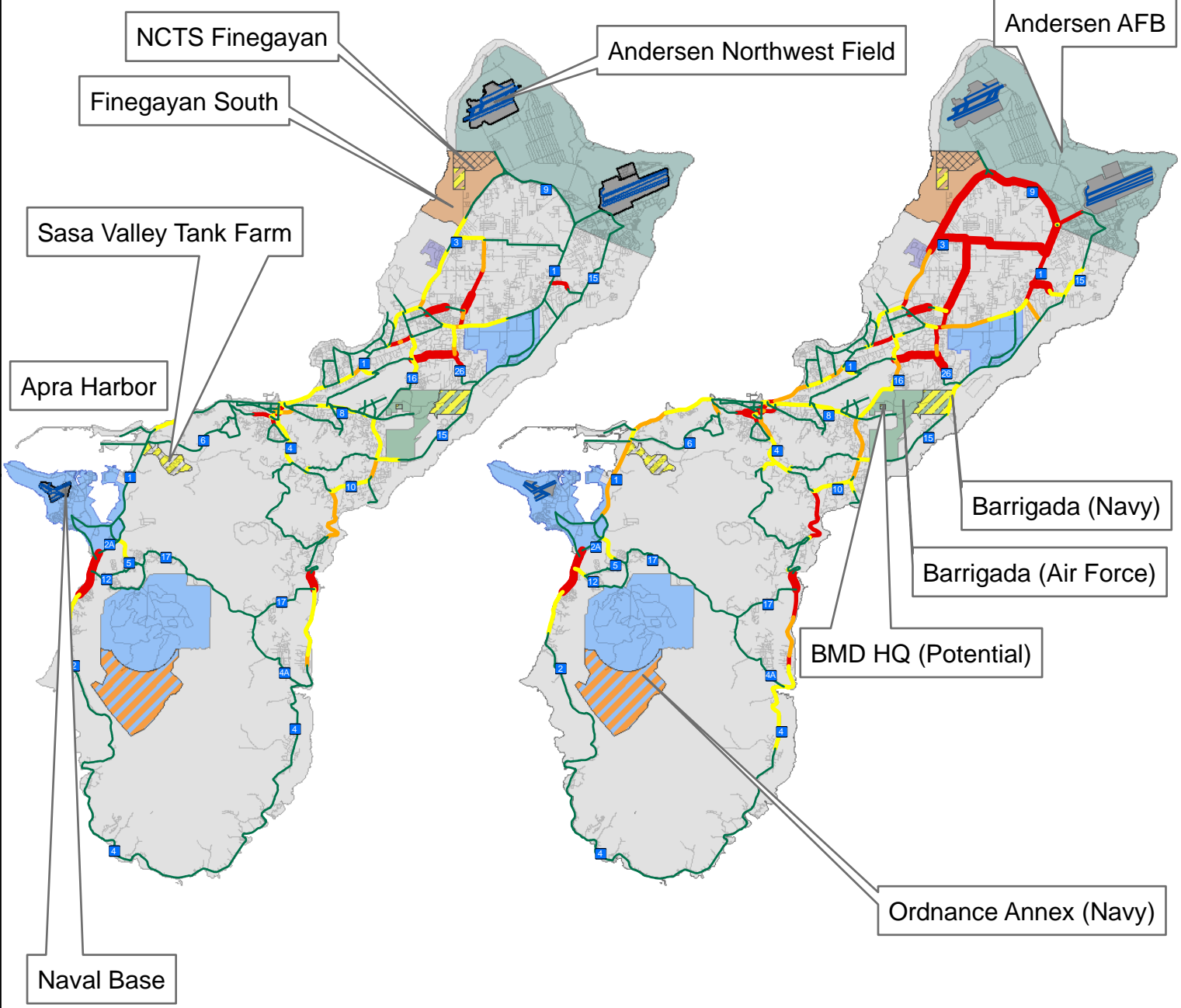
0 1.25 2.5 5 Miles



Baseline

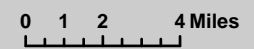
Construction Peak

Guam AM Peak Volume to Capacity Ratios 2013



Volume to Capacity Ratios

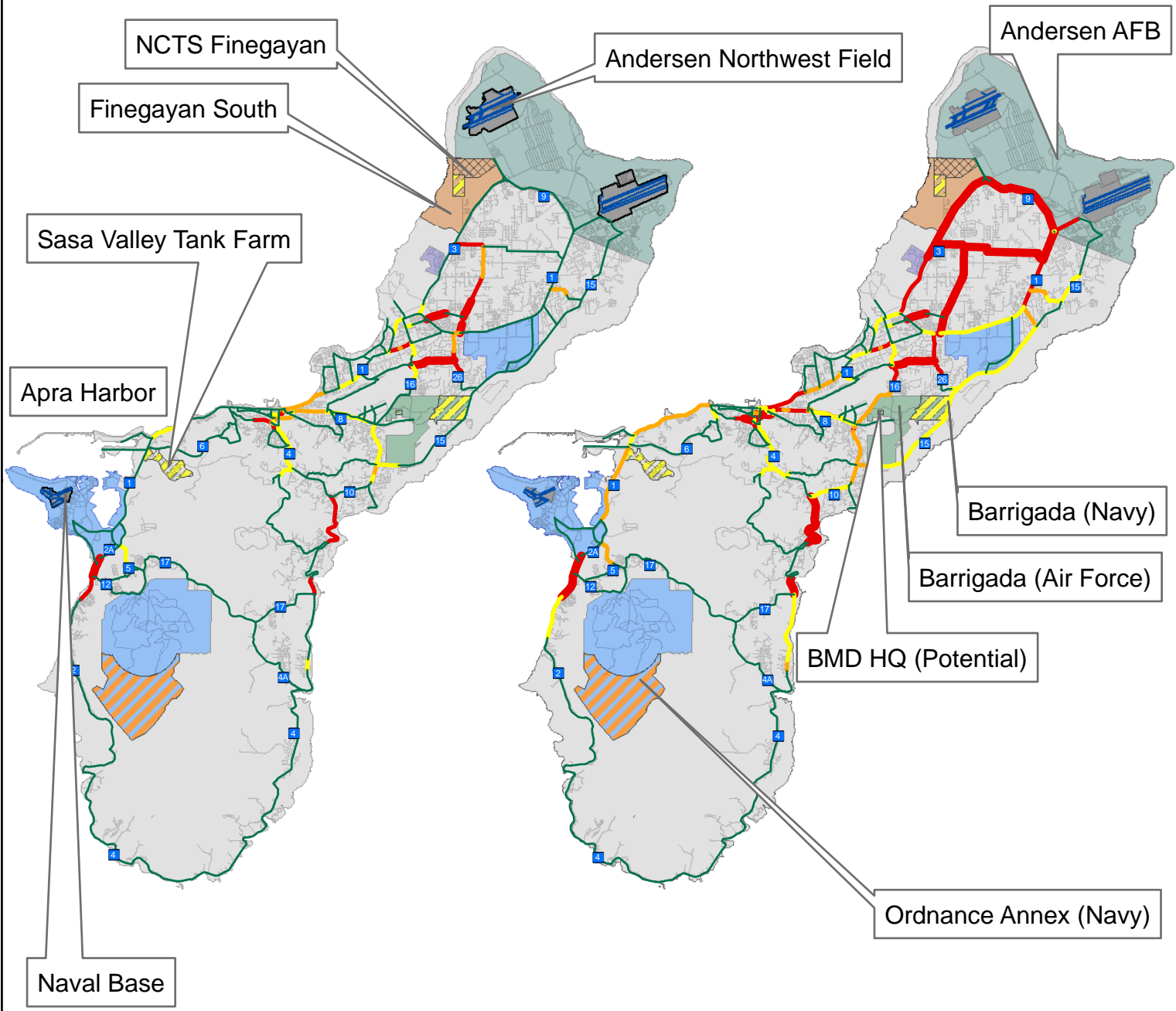
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- 1.16 - 1.50
- 1.00 - 1.15
- 0.81 - 0.99
- 0 - 0.80



Baseline

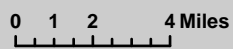
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Guam PM Peak Volume to Capacity Ratios 2013



Volume to Capacity Ratios

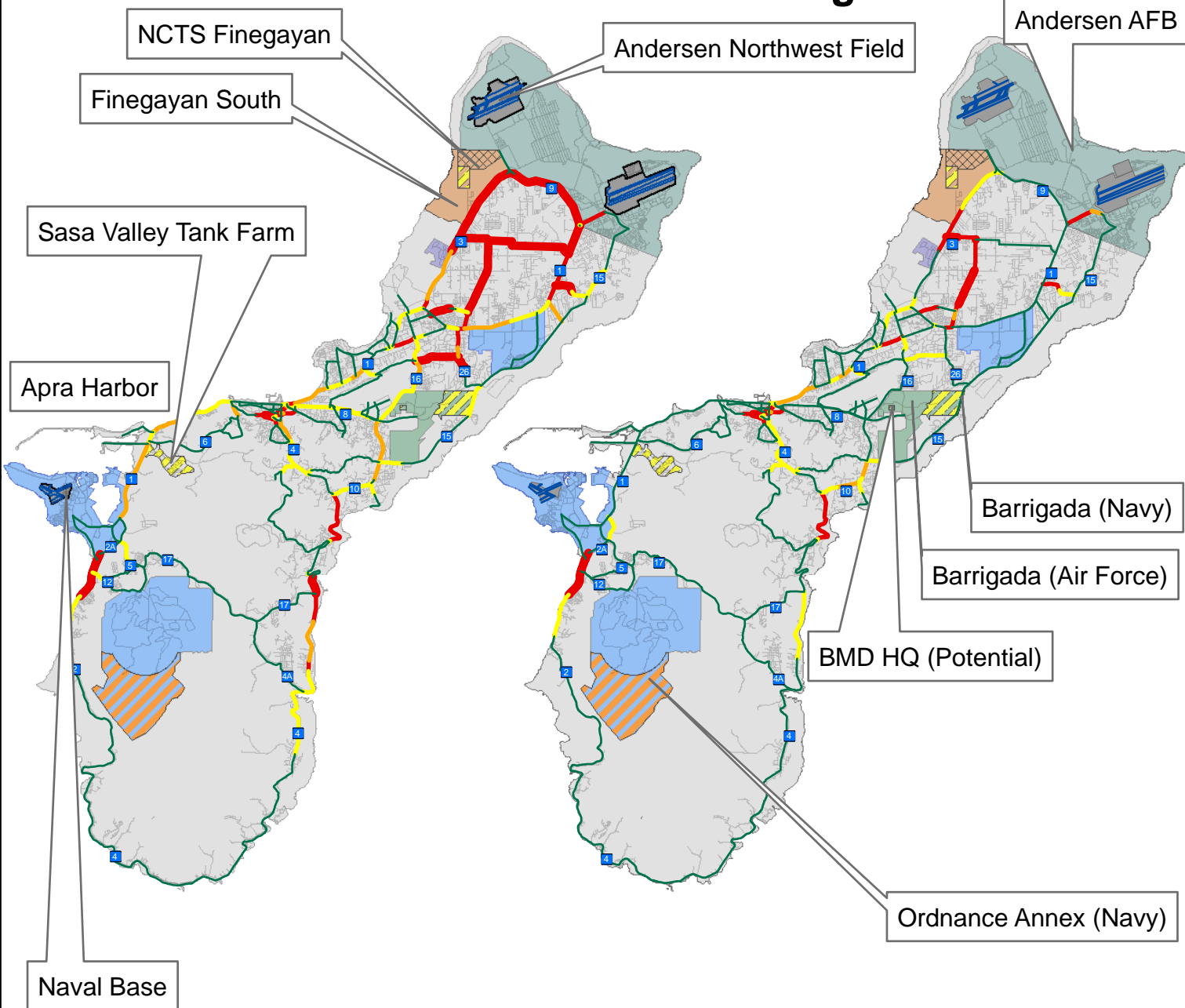
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- 1.00 - 1.15
- 0.81 - 0.99
- 0 - 0.80



Construction Peak

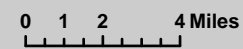
Construction Peak Mitigation

Guam
AM Peak
Volume to Capacity
Ratios
2013



Volume to Capacity Ratios

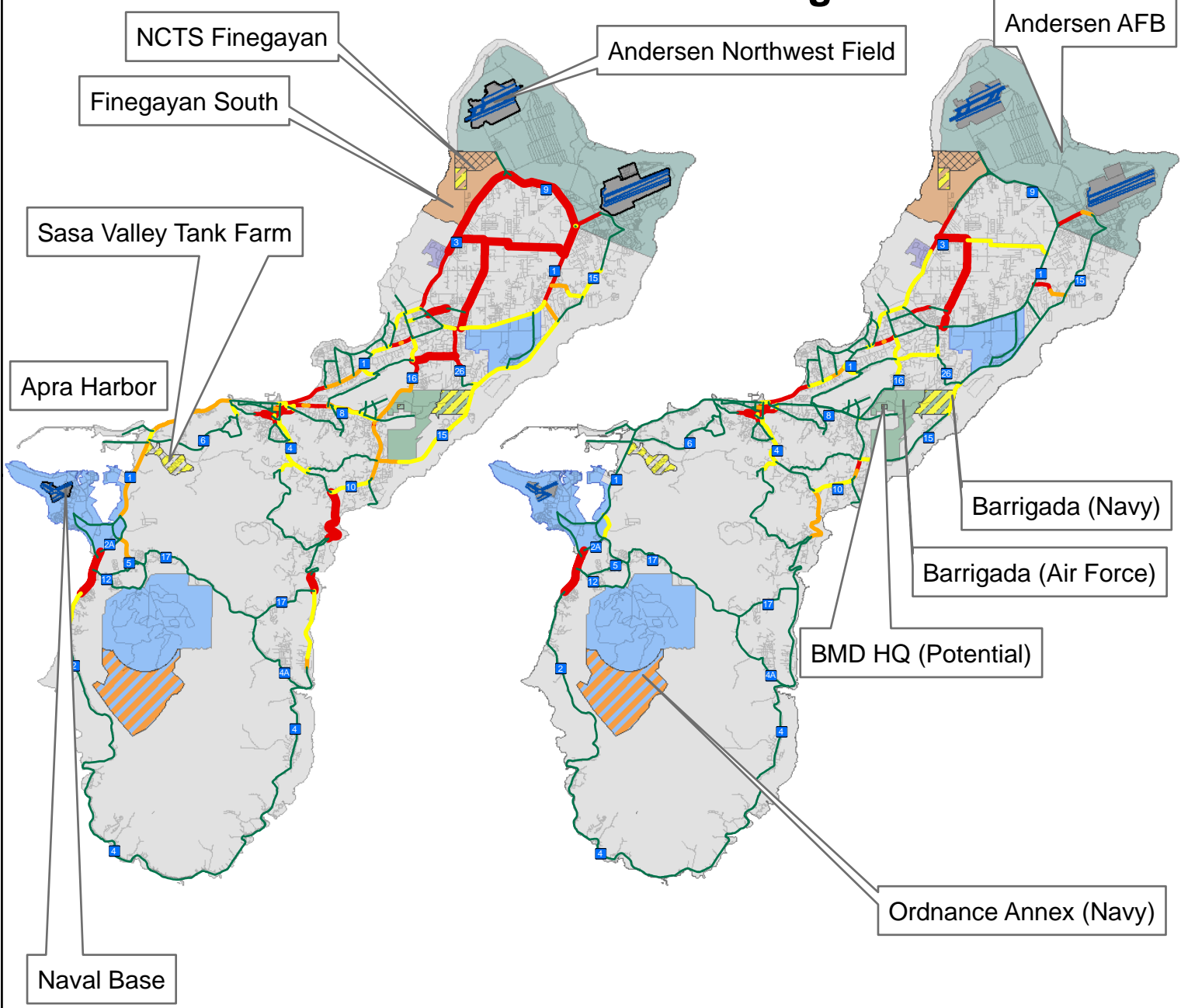
- 1.51 - Max (Red)
- 1.16 - 1.50 (Dark Red)
- 1.00 - 1.15 (Orange)
- 0.81 - 0.99 (Yellow)
- 0 - 0.80 (Green)



Construction Peak

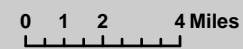
Construction Mitigation

Guam PM Peak Volume to Capacity Ratios 2013

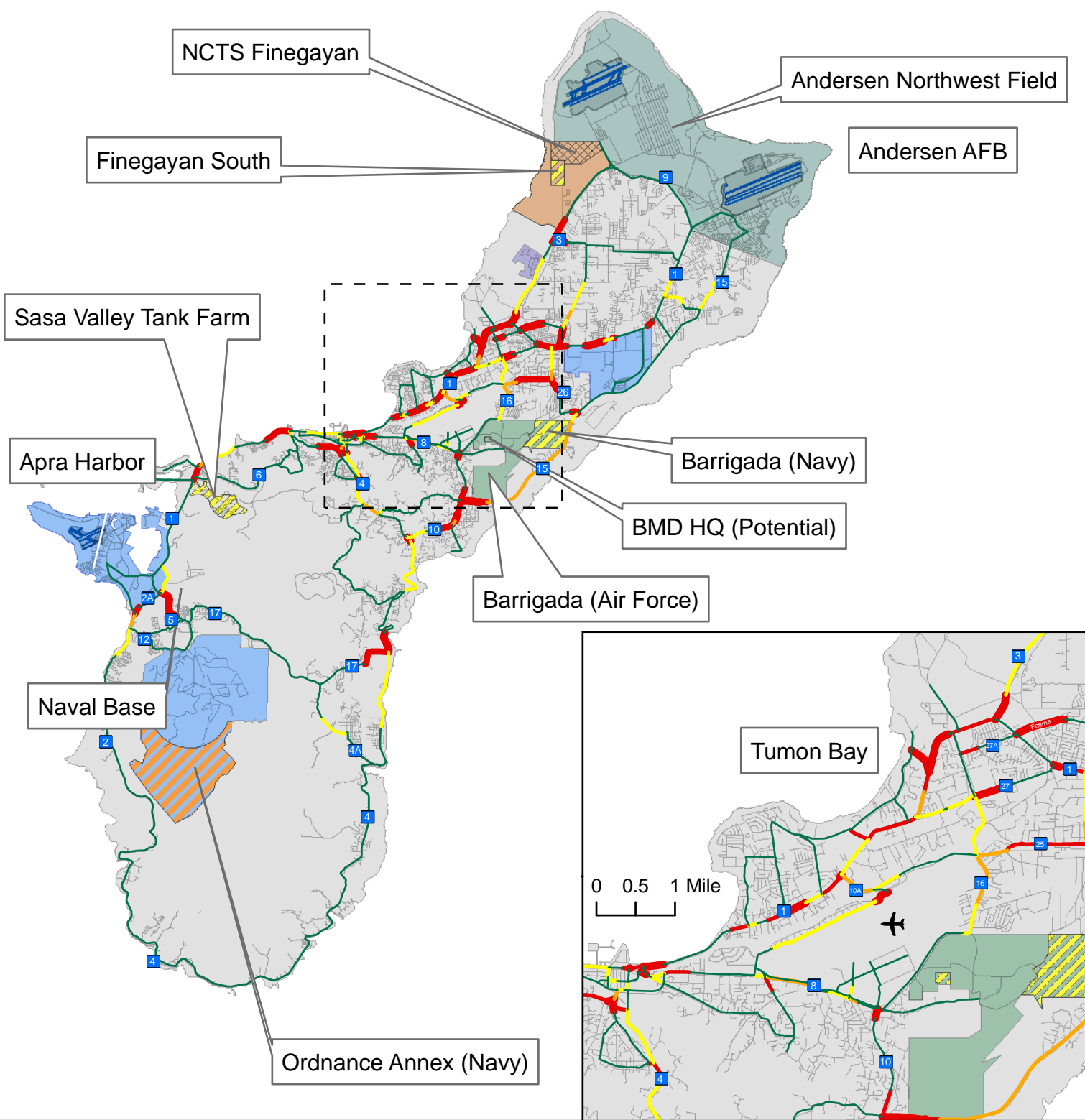


Volume to Capacity Ratios

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- 1.16 - 1.50
- 1.00 - 1.15
- 0.81 - 0.99
- 0 - 0.80



Guam Baseline AM Peak Volume to Capacity Ratios 2013



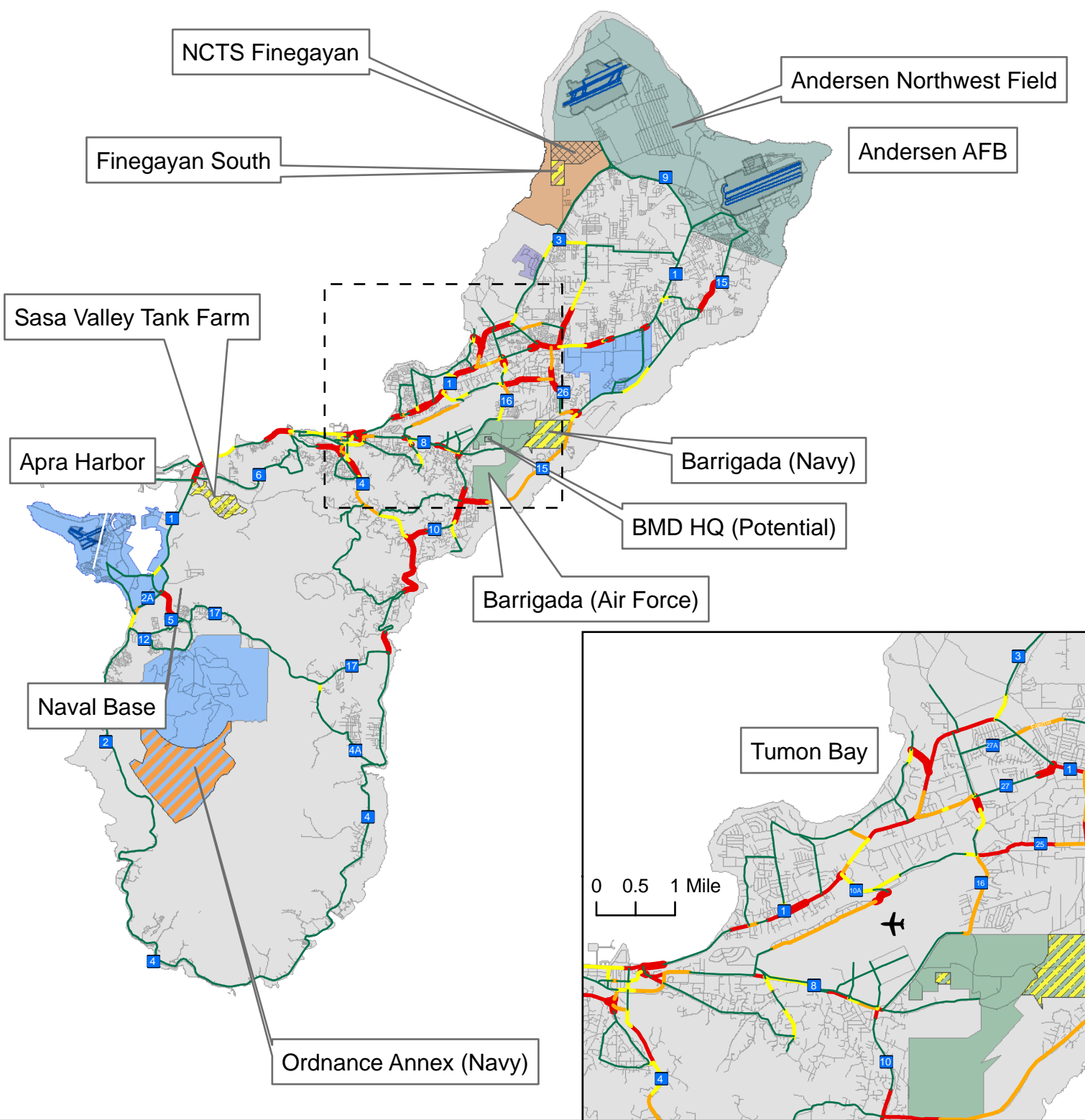
Volume to Capacity Ratios

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- █ 1.16 - 1.50
- █ 1.00 - 1.15
- █ 0.81 - 0.99
- █ 0 - 0.80

0 1.5 3 6 Miles



Guam Baseline PM Peak Volume to Capacity Ratios 2013



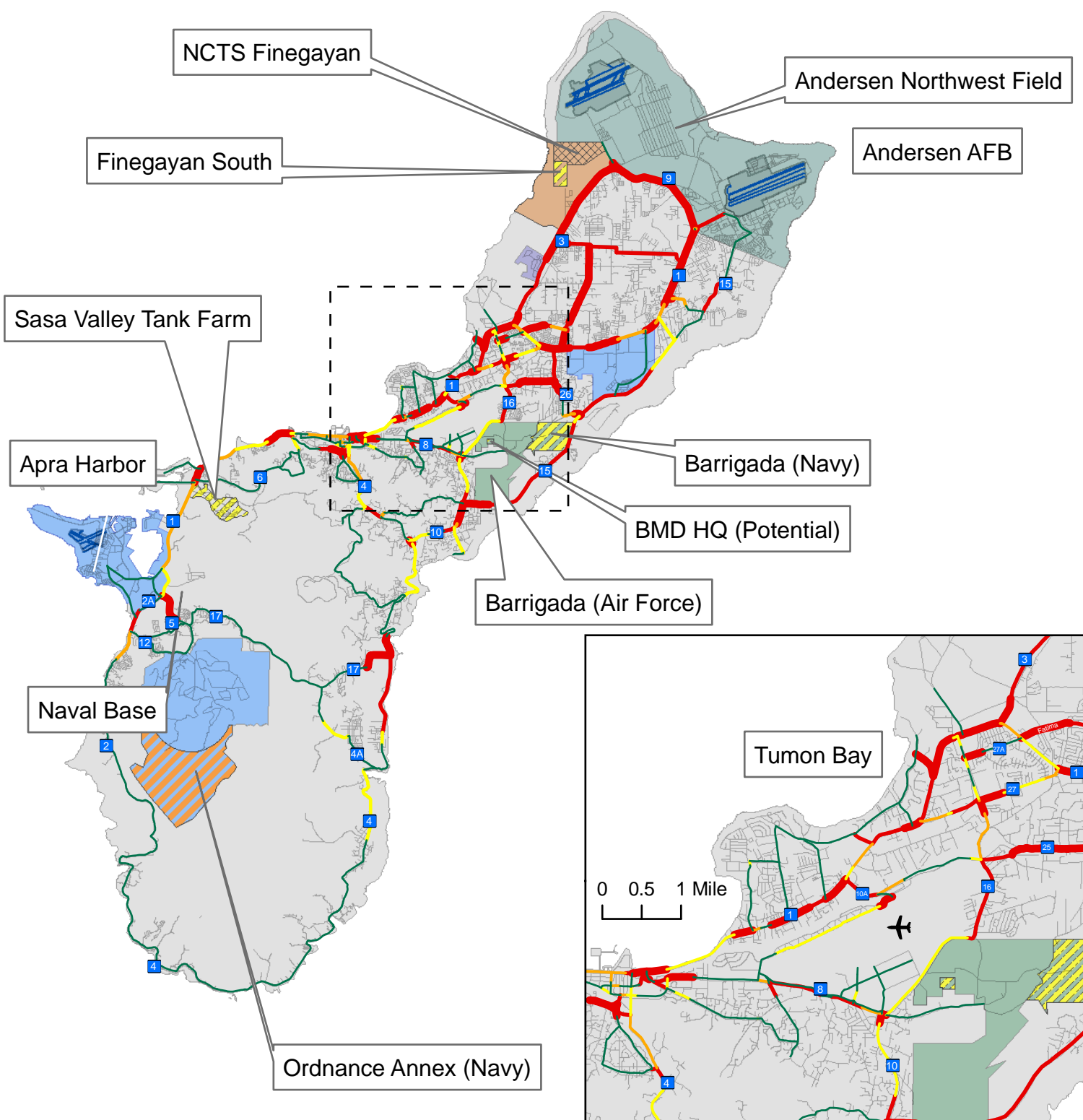
Volume to Capacity Ratios

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- █ 1.16 - 1.50
- █ 1.00 - 1.15
- █ 0.81 - 0.99
- █ 0 - 0.80

0 1.5 3 6 Miles



Guam Build AM Peak Volume to Capacity Ratios 2013



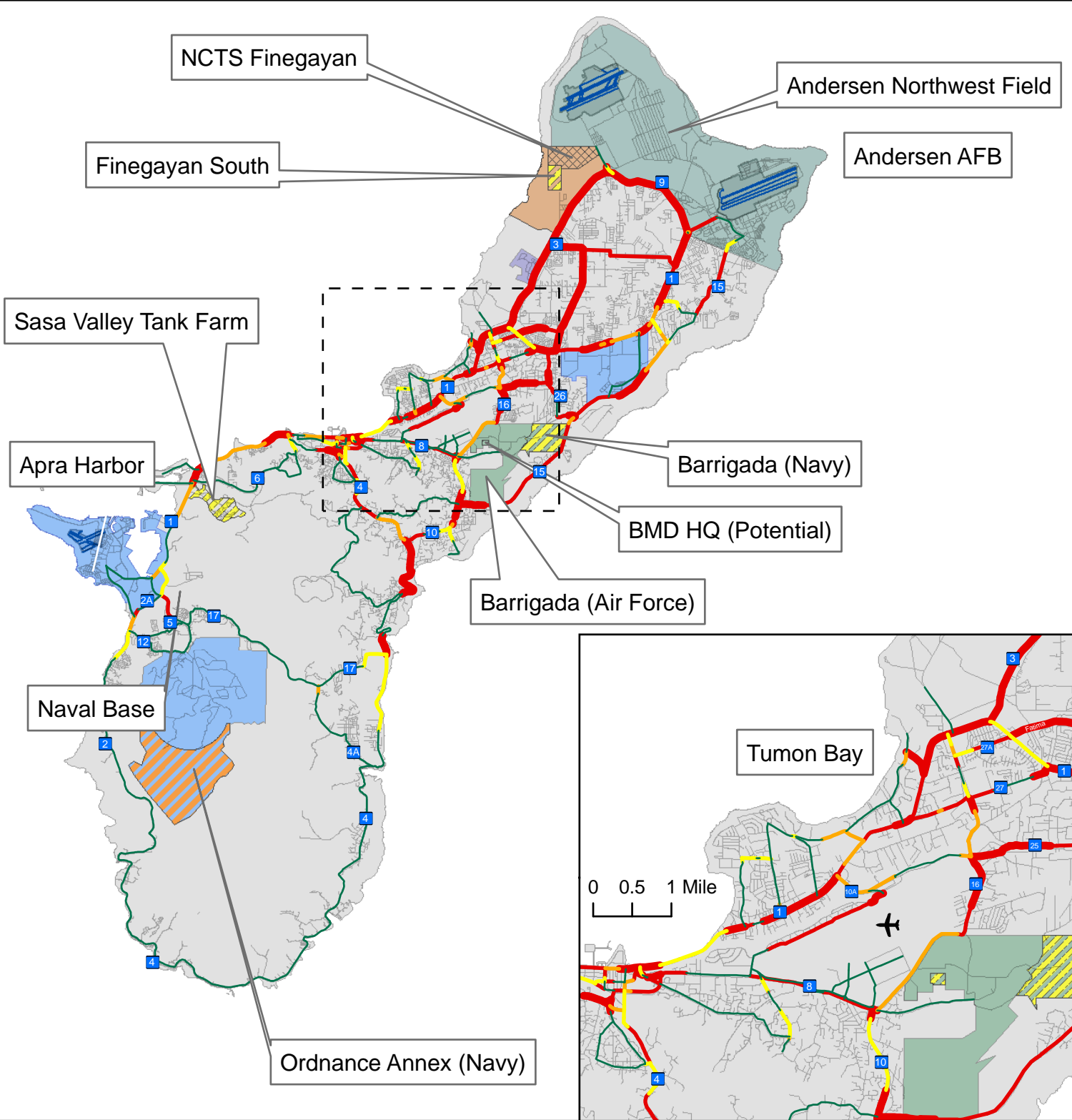
Volume to Capacity Ratios

- █ 1.51 - Max
- █ 1.16 - 1.50
- █ 1.00 - 1.15
- █ 0.81 - 0.99
- █ 0 - 0.80

0 1.25 2.5 5 Miles



Guam Build PM Peak Volume to Capacity Ratios 2013



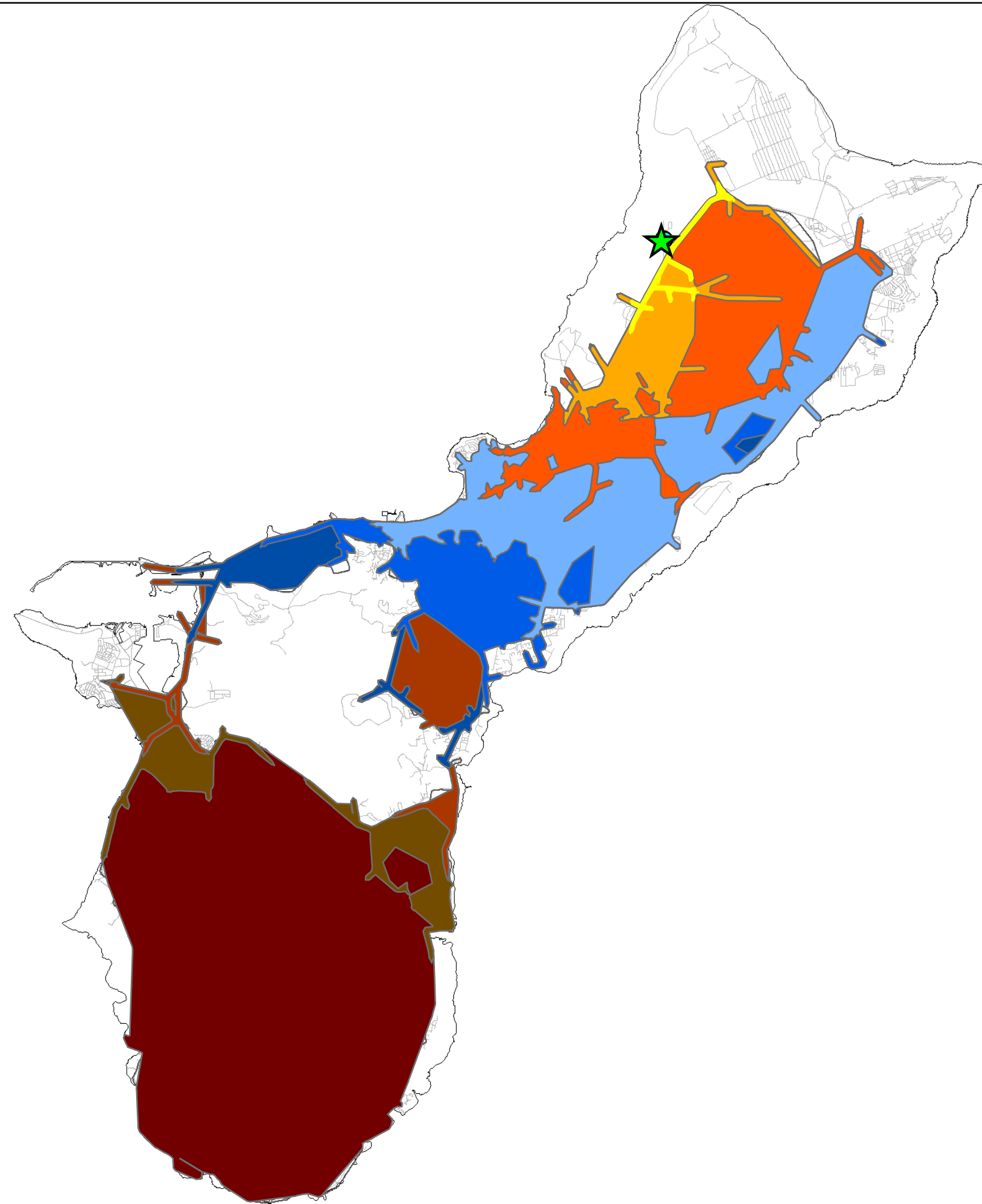
Volume to Capacity Ratios

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- 0 - 0.80

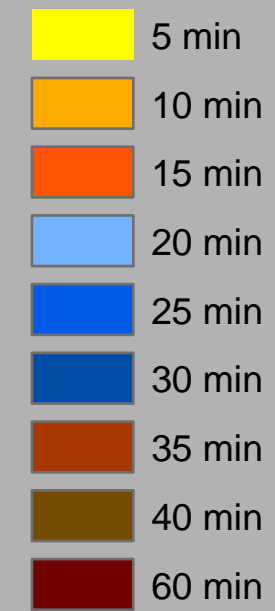
0 1.5 3 6 Miles



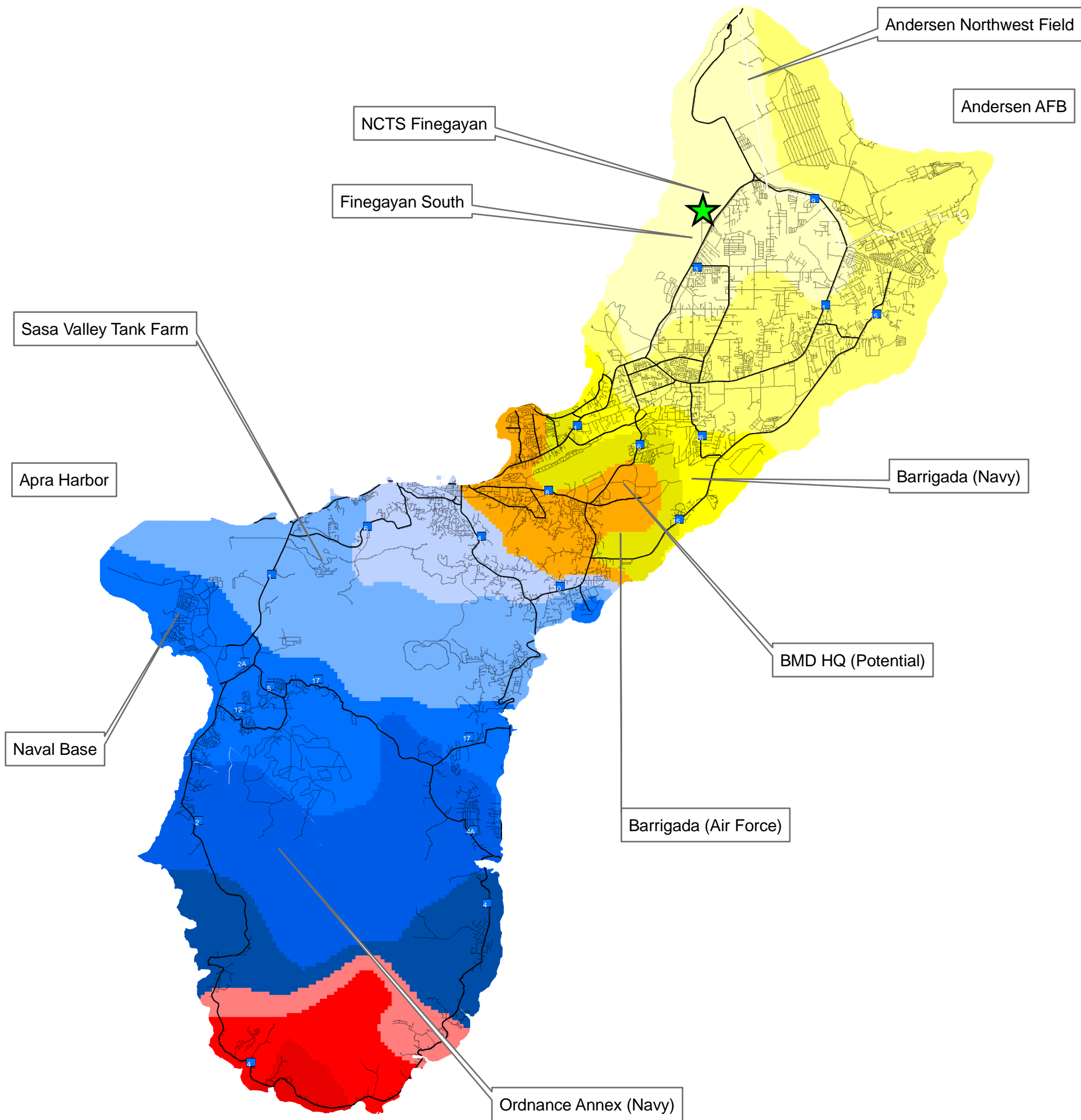
2030 Baseline Travel Time Contours



Minutes of Travel Toward
NCTS Finegayan

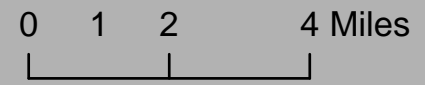


Travel Time Contours 2013 Baseline AM Peak

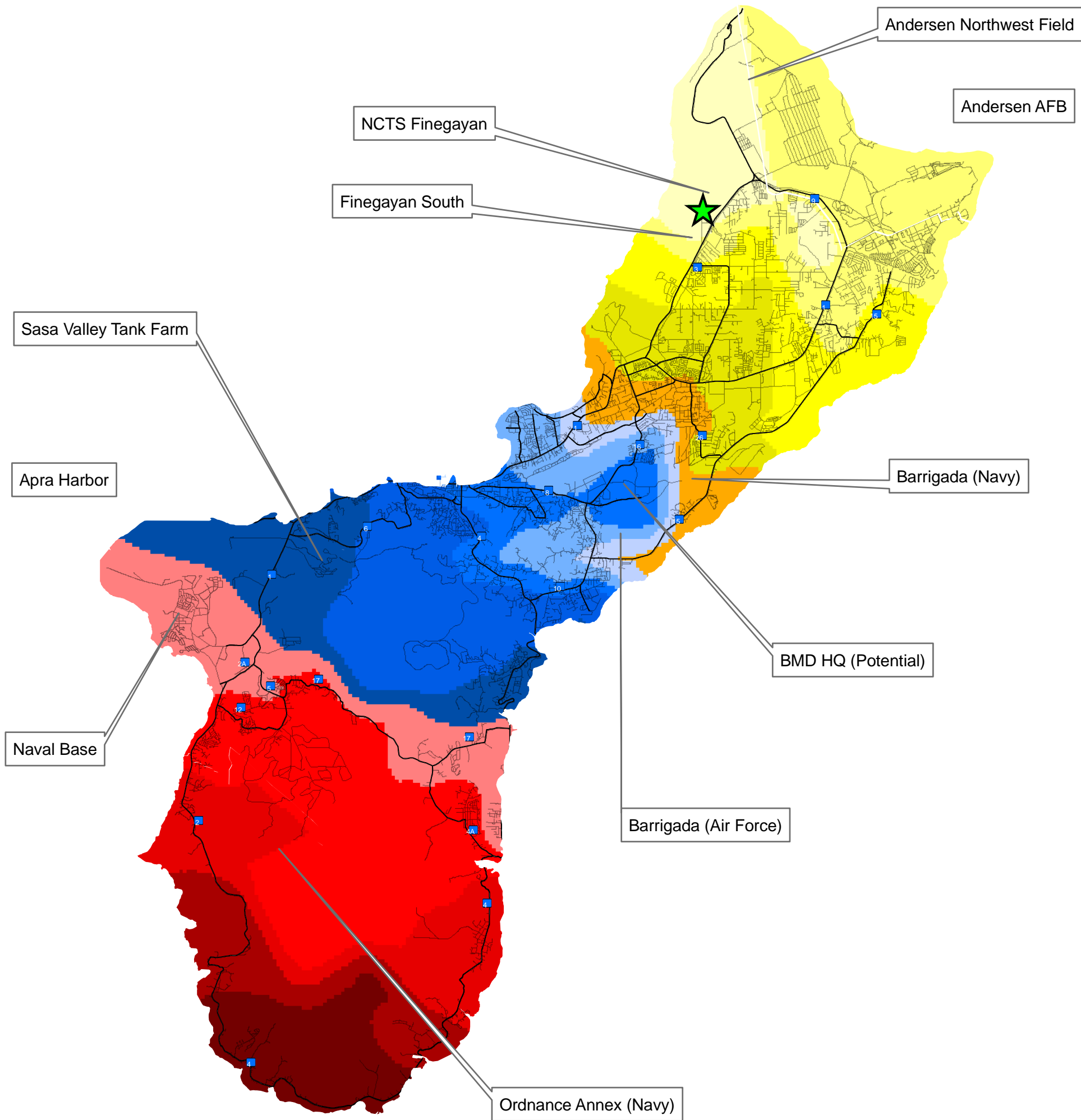


Minutes of Travel From NCTS Finegayan

0 - 10	45 - 51	76 - 80
11 - 19	52 - 57	81 - 85
20 - 28	58 - 64	86 - 90
29 - 36	65 - 70	91 - 96
37 - 44	71 - 75	97 - 102

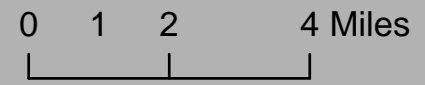


Travel Time Contours 2013 Military AM Peak



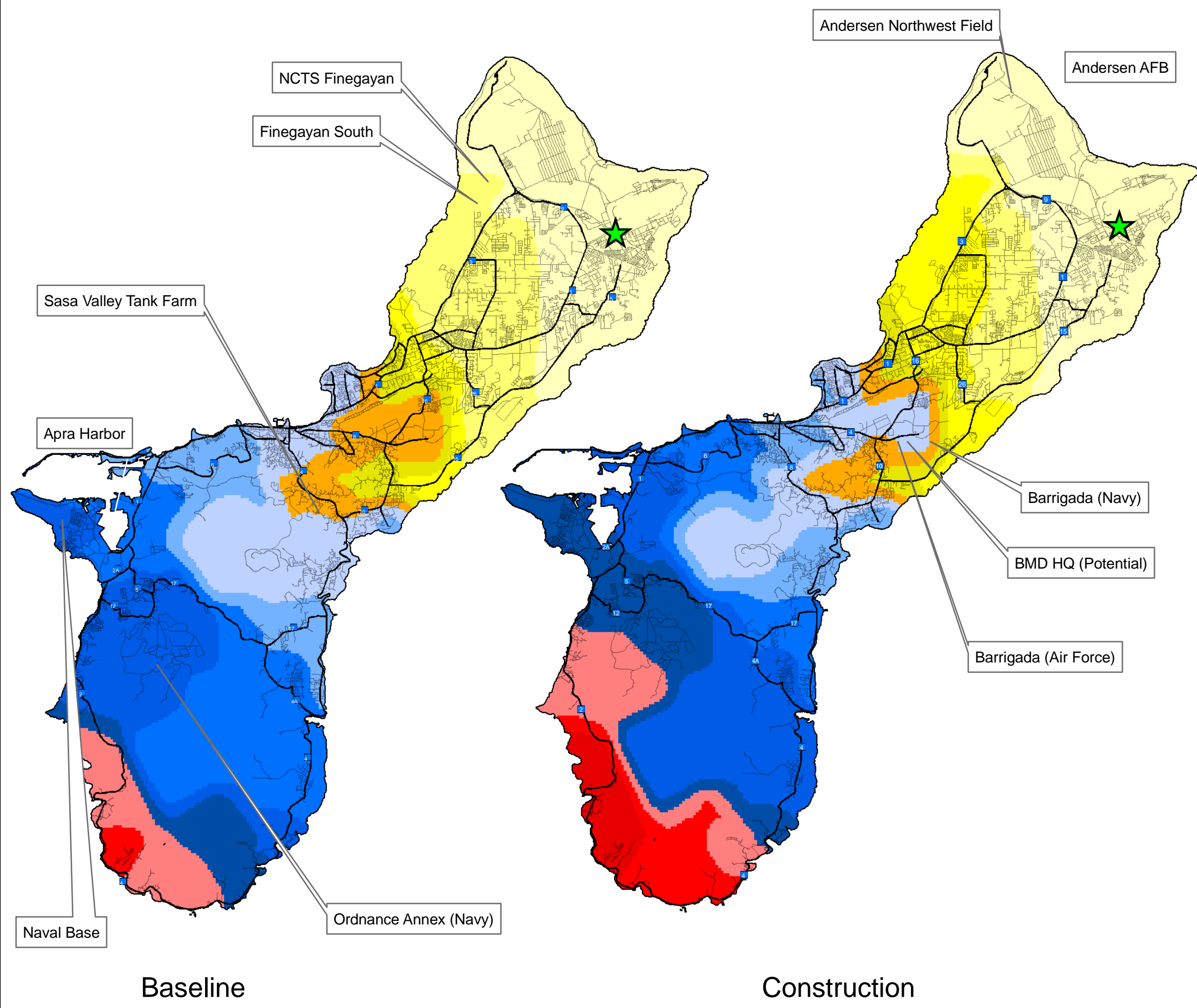
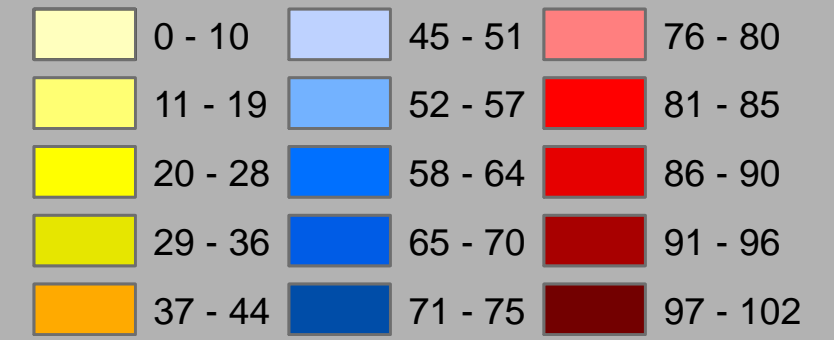
Minutes of Travel From NCTS Finegayan

0 - 10	45 - 51	76 - 80
11 - 19	52 - 57	81 - 85
20 - 28	58 - 64	86 - 90
29 - 36	65 - 70	91 - 96
37 - 44	71 - 75	97 - 102



Travel Time Contours 2013 AM Peak Baseline vs. Construction

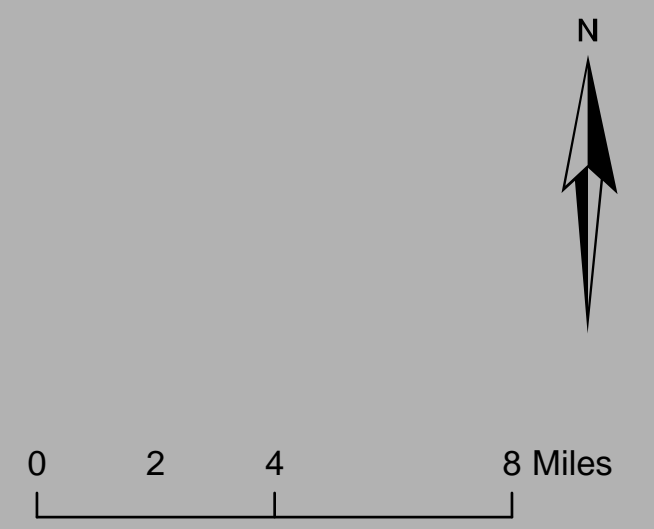
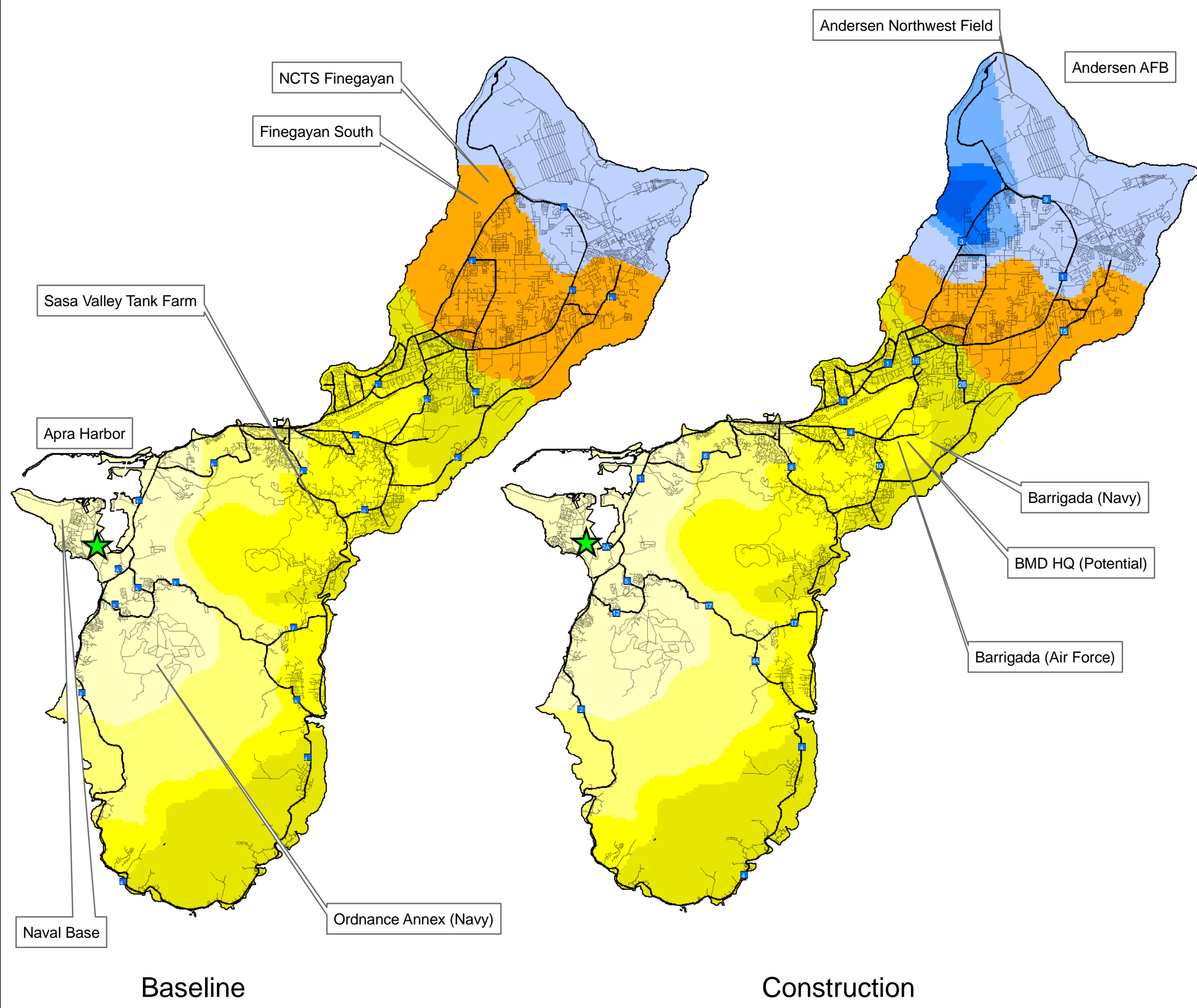
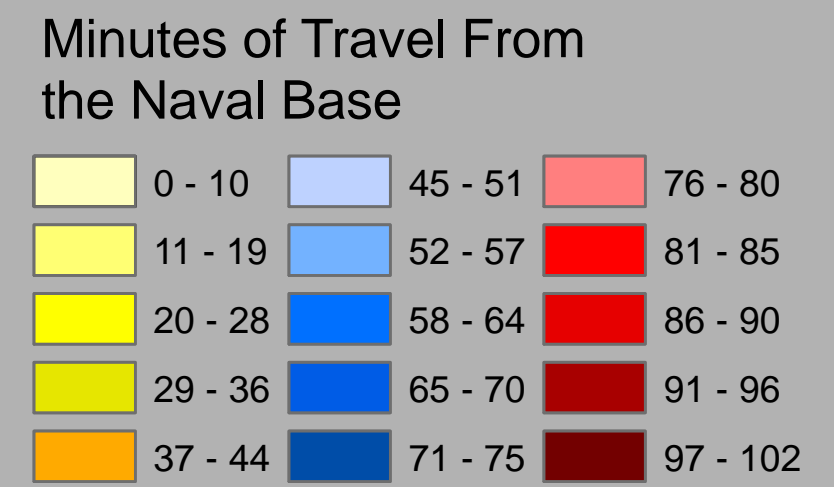
Minutes of Travel From
Andersen AFB



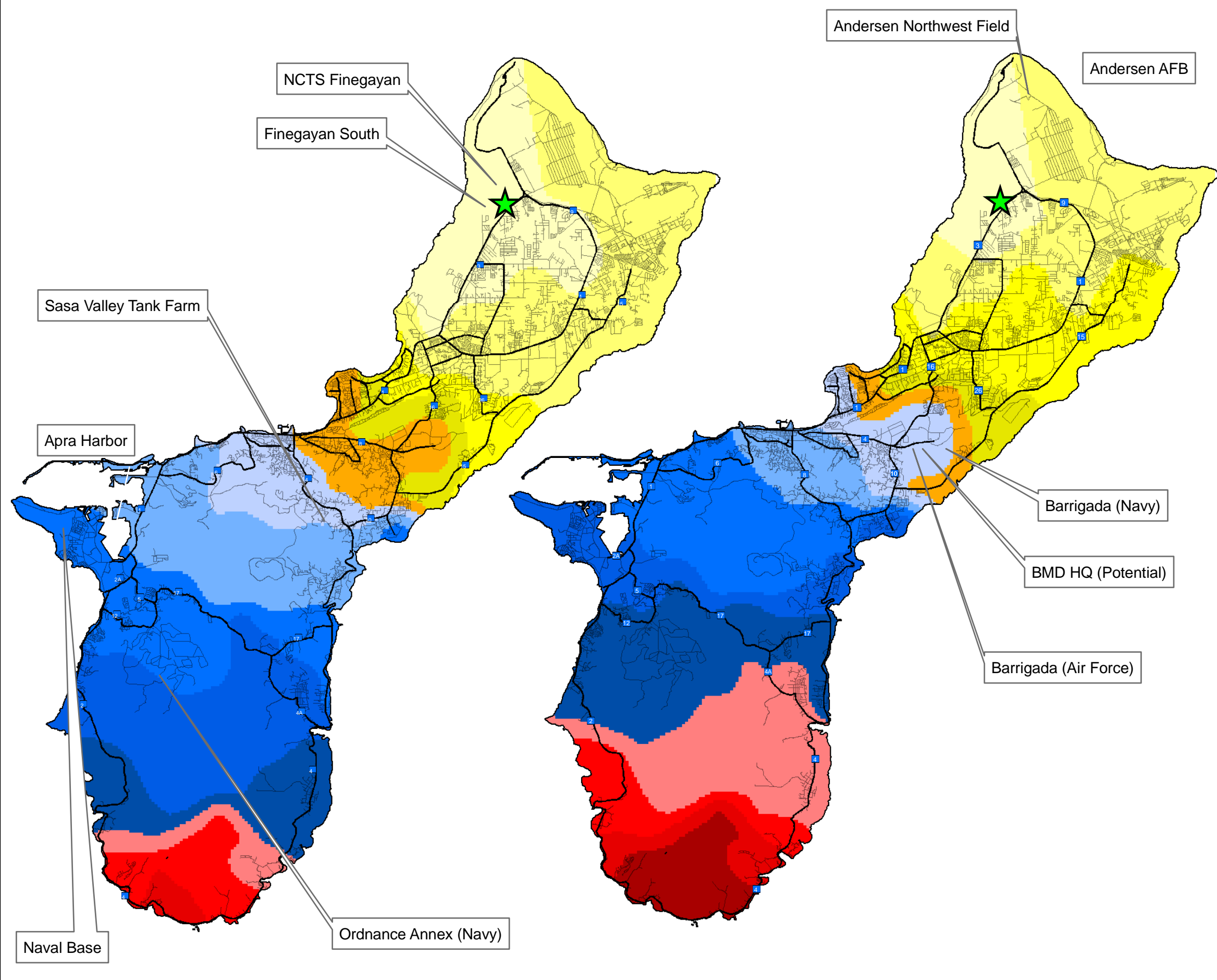
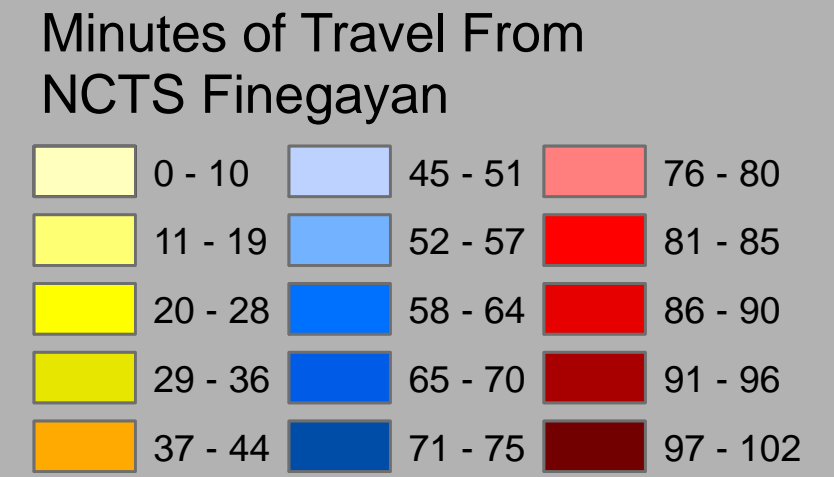
Baseline

Construction

Travel Time Contours 2013 AM Peak Baseline vs. Construction

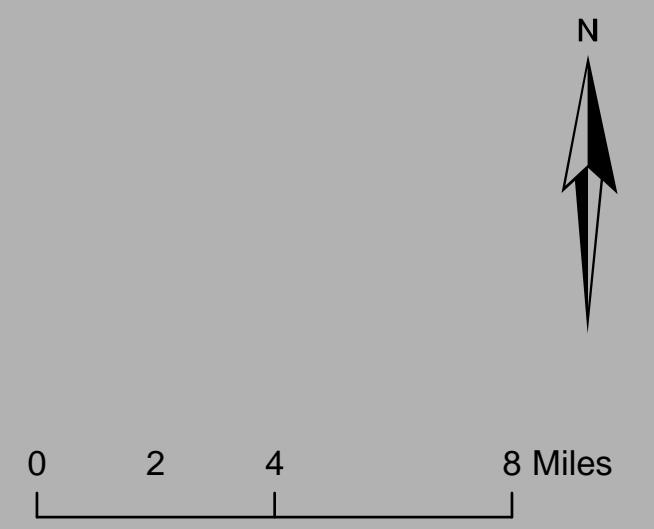


Travel Time Contours 2013 AM Peak Baseline vs. Construction

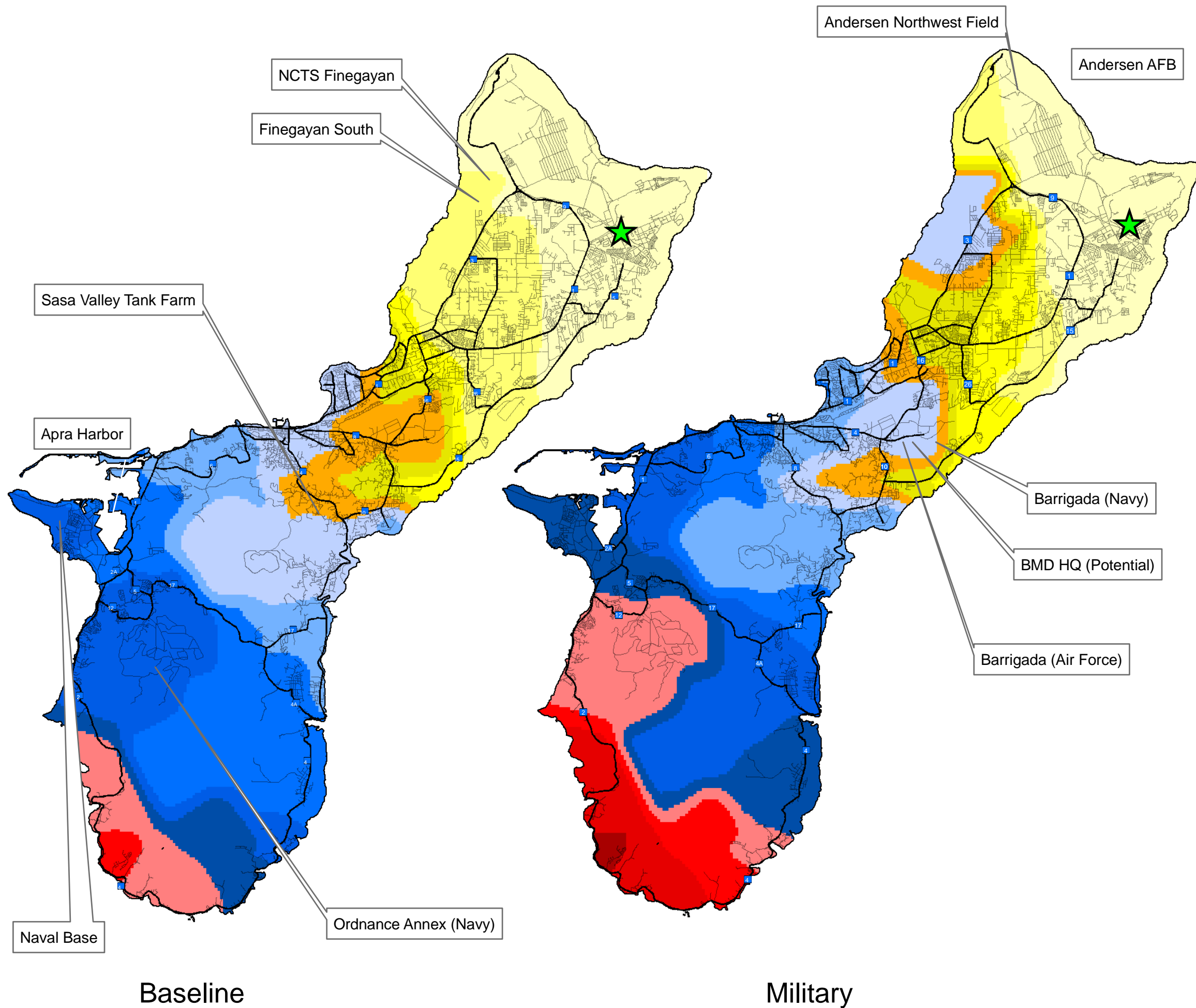


Baseline

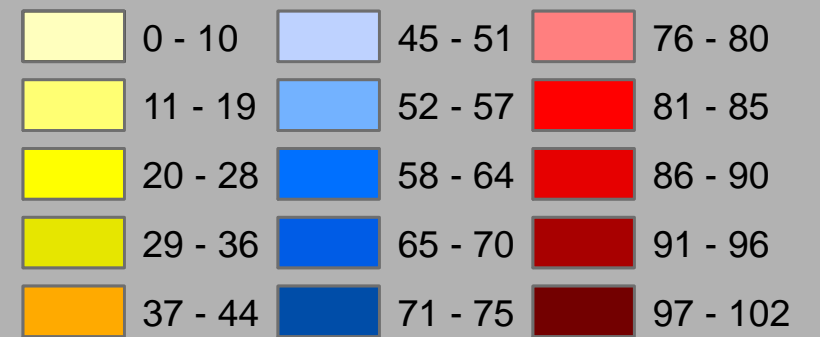
Construction



Travel Time Contours 2013 AM Peak Baseline vs. Military

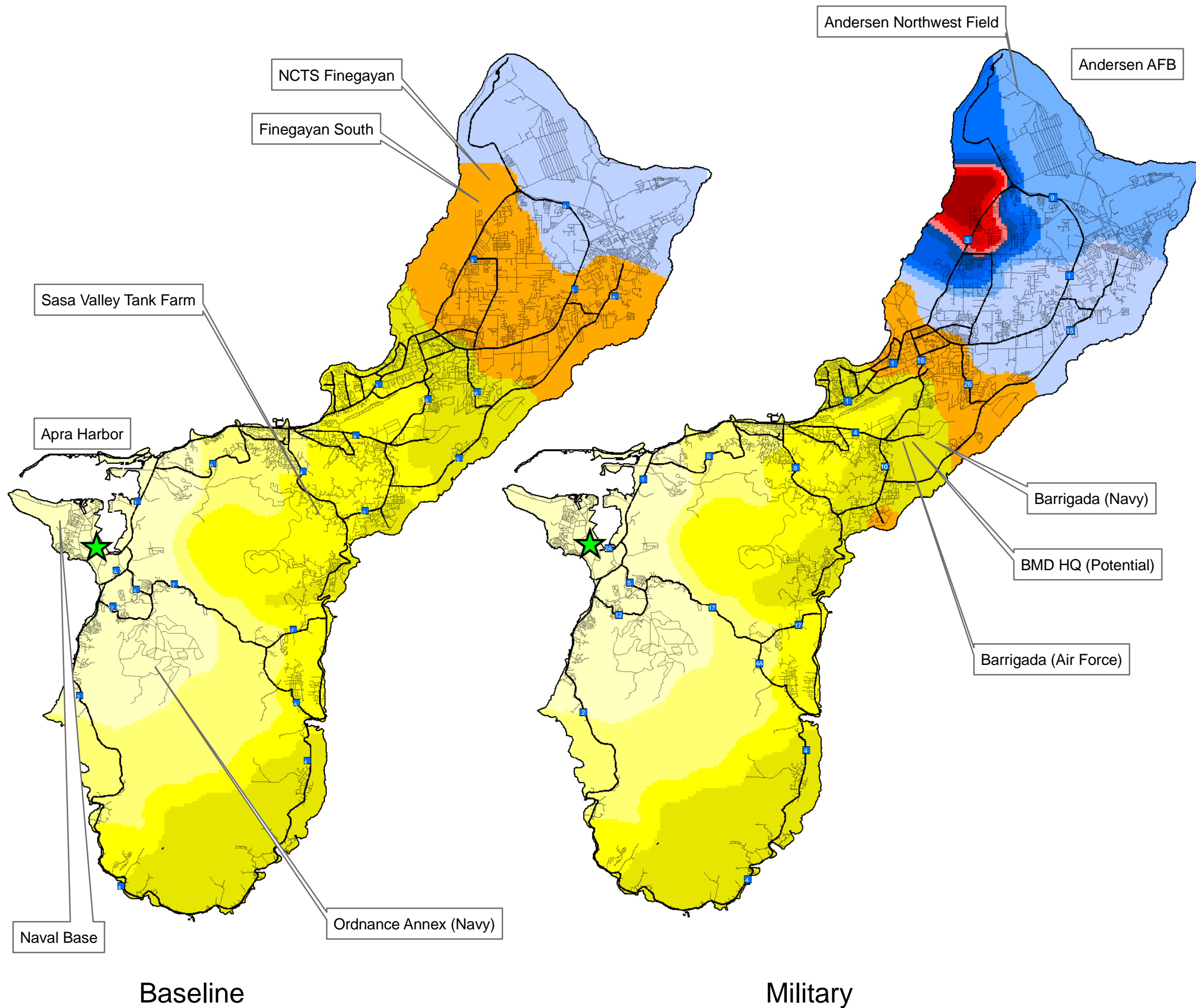


Minutes of Travel From Andersen AFB

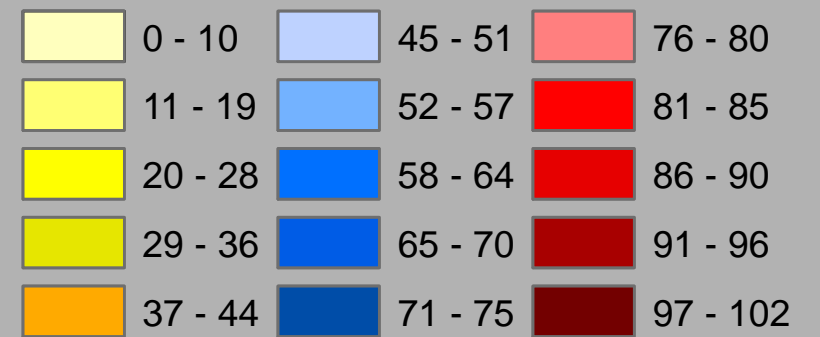


0 2 4 8 Miles

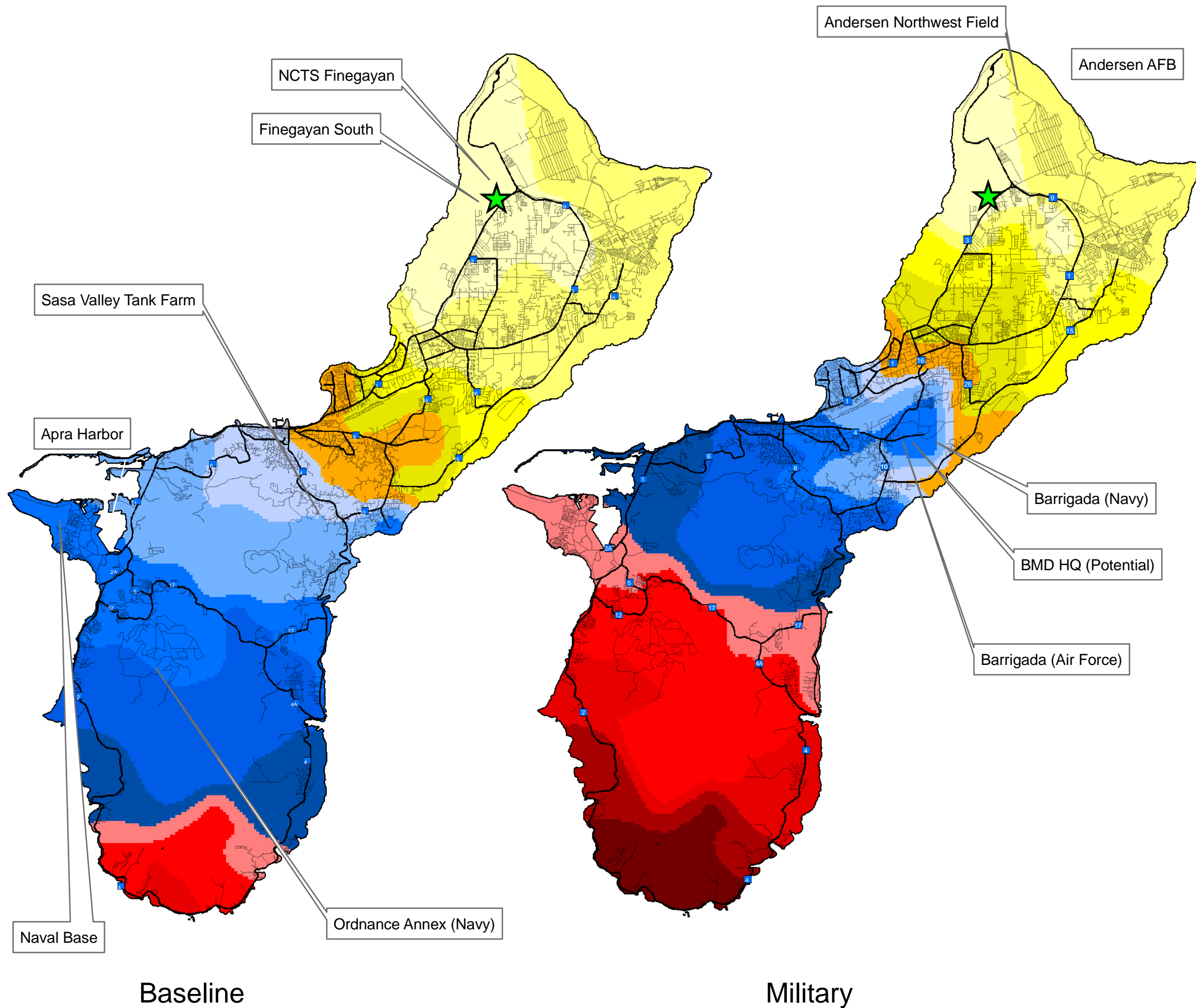
Travel Time Contours 2013 AM Peak Baseline vs. Military



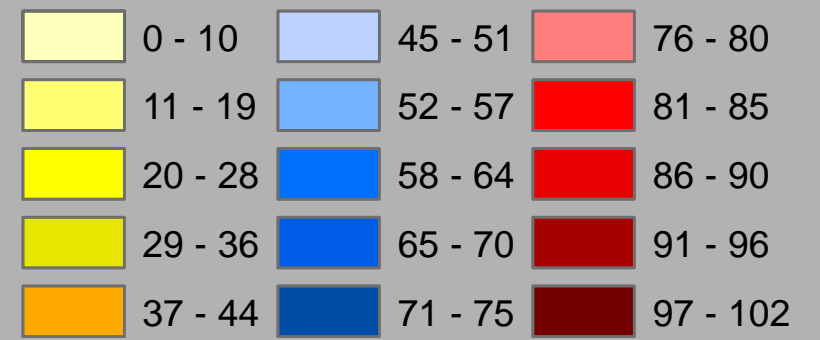
Minutes of Travel From the Naval Base



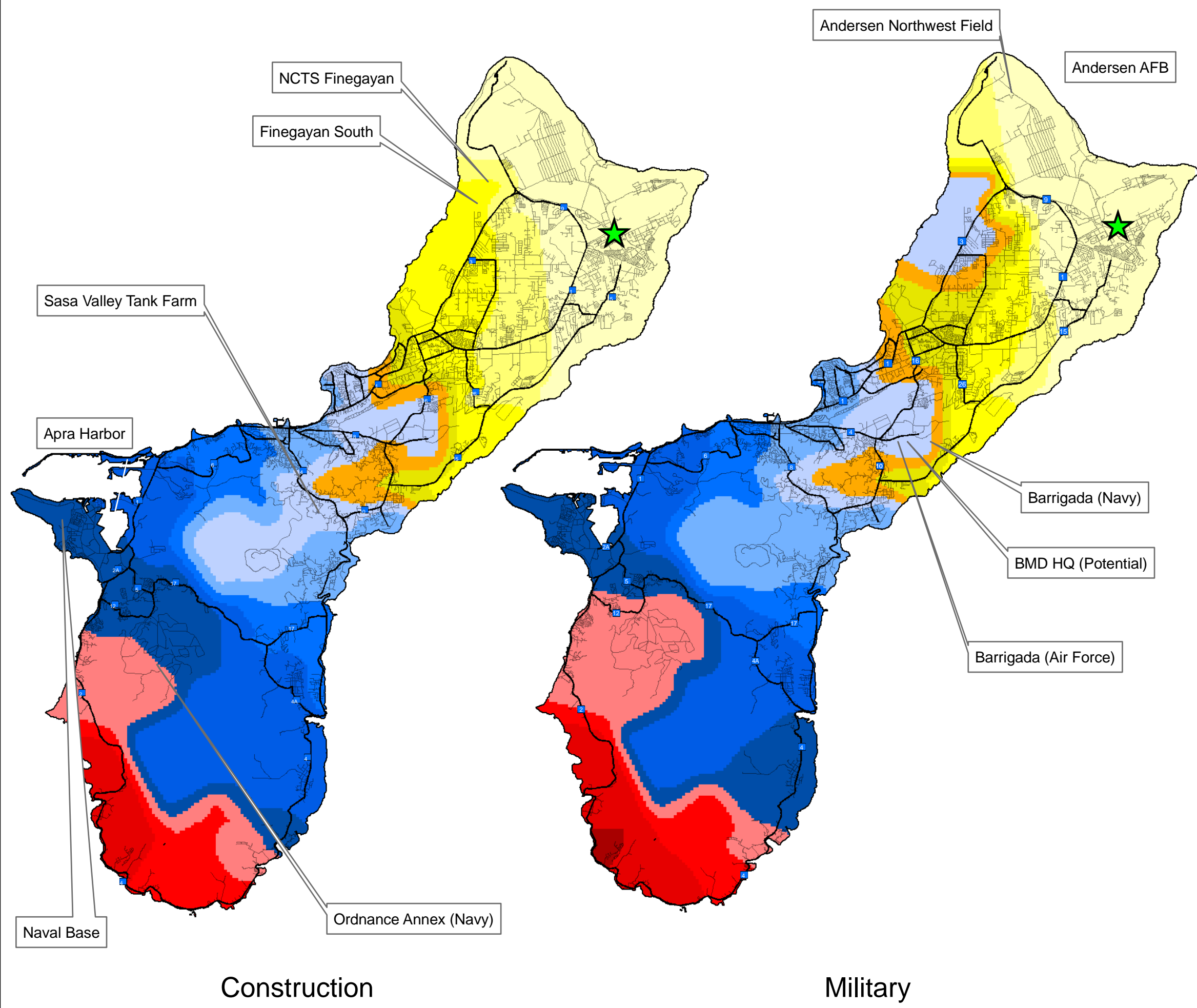
Travel Time Contours 2013 AM Peak Baseline vs. Military



Minutes of Travel From NCTS Finegayan

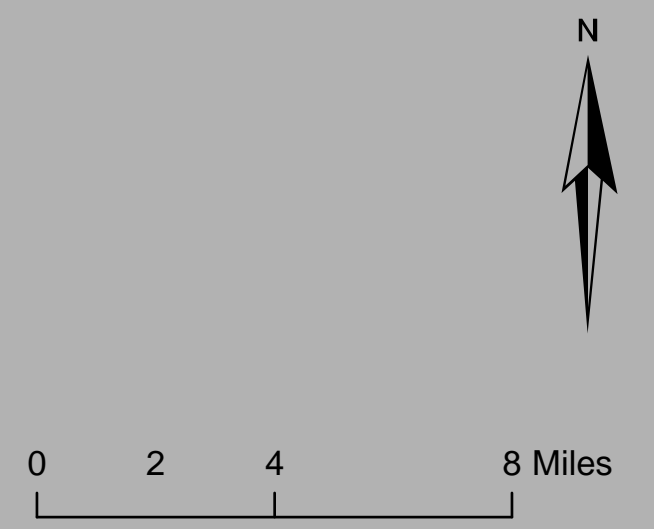


Travel Time Contours 2013 AM Peak Construction vs. Military



Minutes of Travel From Andersen AFB

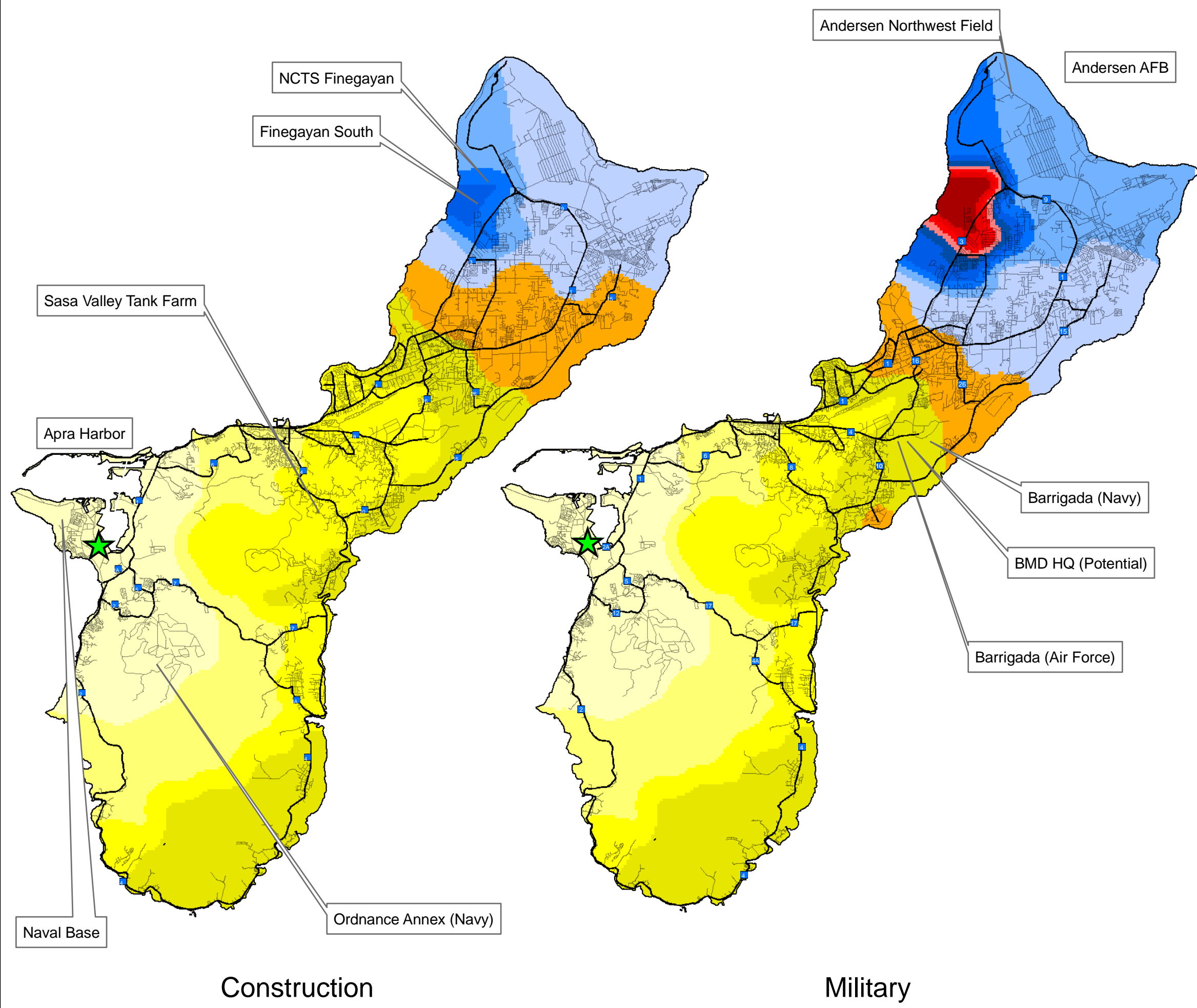
0 - 10	45 - 51	76 - 80
11 - 19	52 - 57	81 - 85
20 - 28	58 - 64	86 - 90
29 - 36	65 - 70	91 - 96
37 - 44	71 - 75	97 - 102



Construction

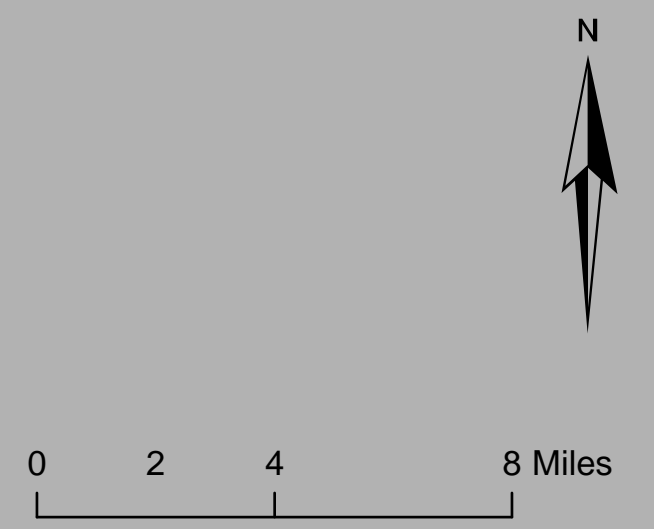
Military

Travel Time Contours 2013 AM Peak Construction vs. Military



Minutes of Travel From the Naval Base

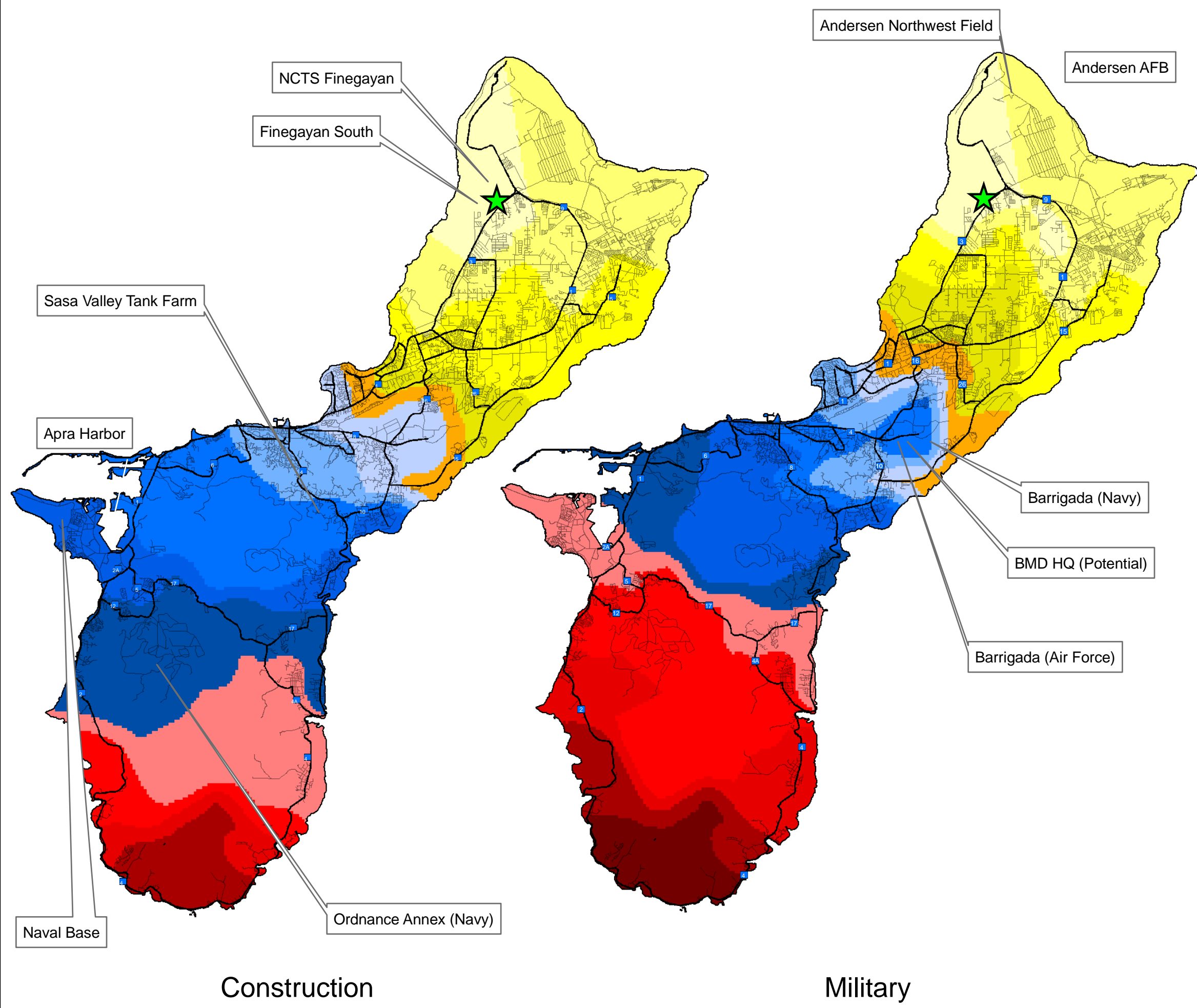
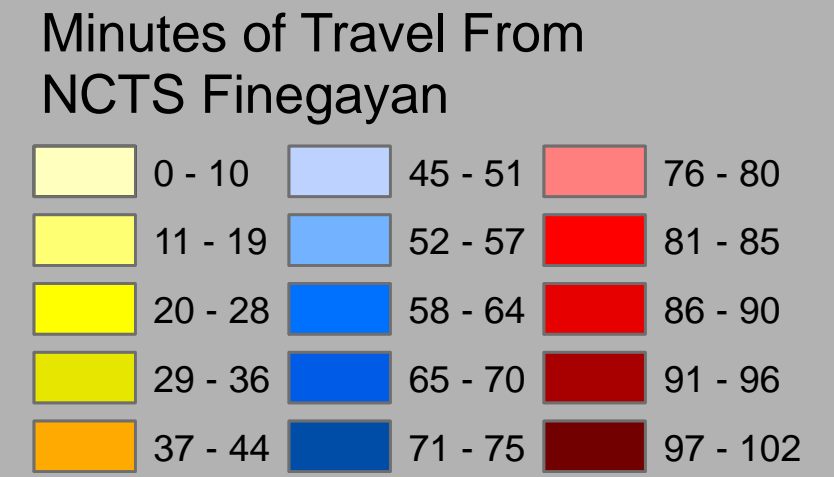
0 - 10	45 - 51	76 - 80
11 - 19	52 - 57	81 - 85
20 - 28	58 - 64	86 - 90
29 - 36	65 - 70	91 - 96
37 - 44	71 - 75	97 - 102

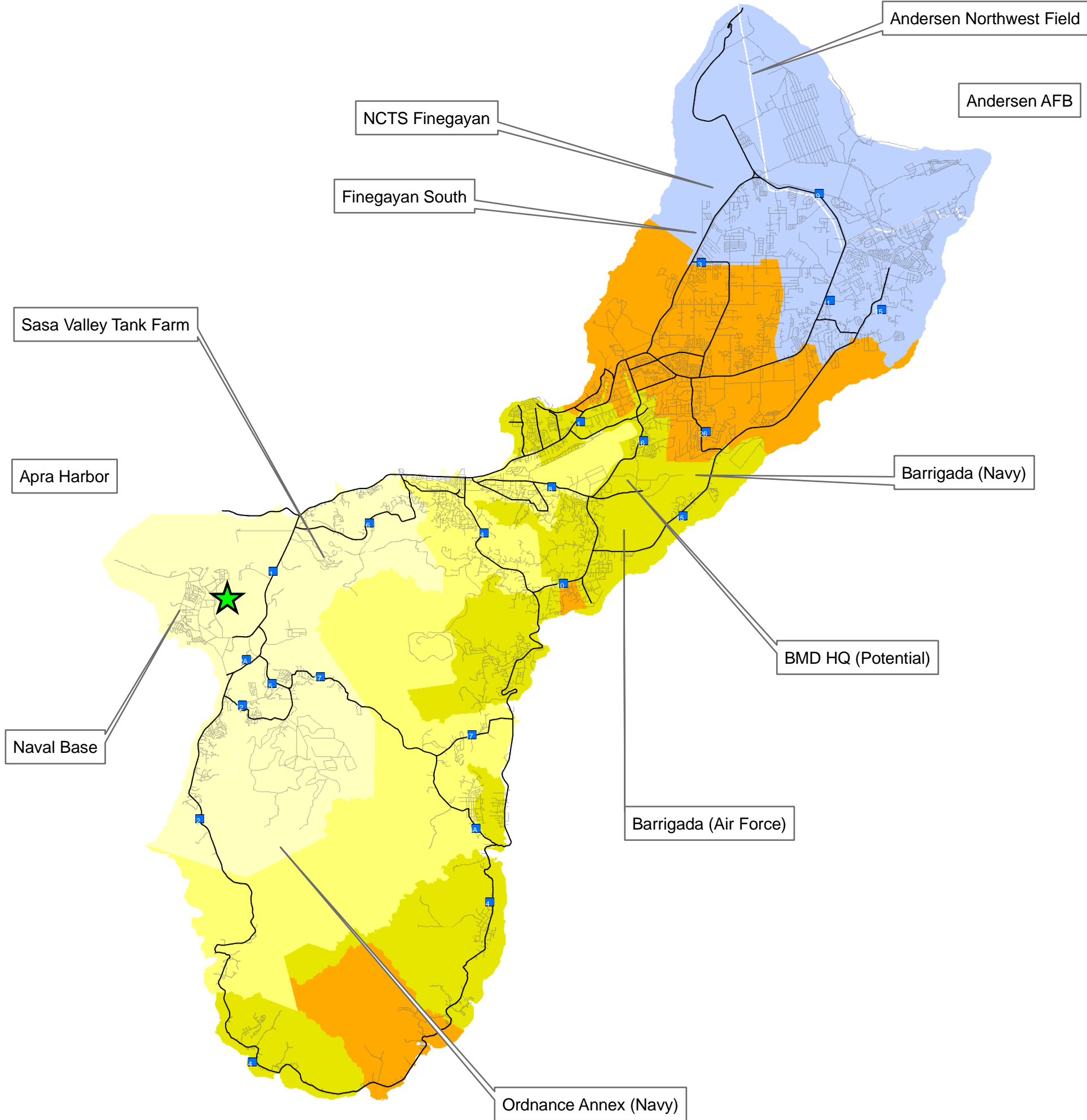


Construction

Military

Travel Time Contours 2013 AM Peak Construction vs. Military

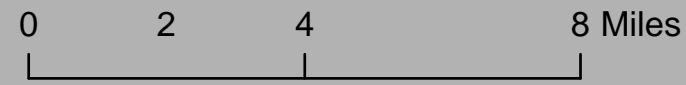


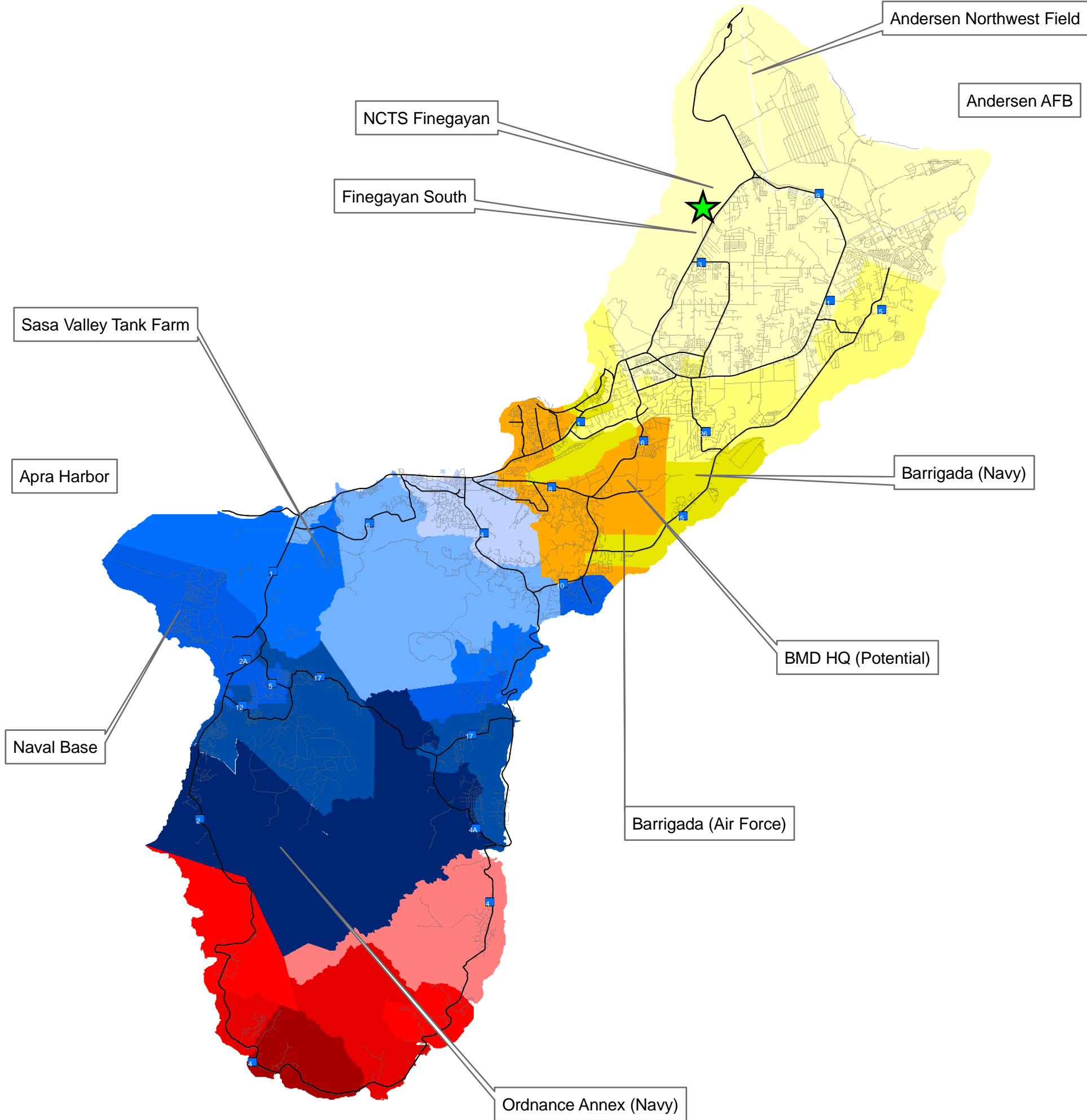


Travel Time Contours 2013 Baseline AM Peak

Minutes of Travel From
the Naval Base

0 - 13	48 - 52	69 - 73
14 - 24	53 - 57	74 - 79
25 - 33	58 - 61	80 - 85
34 - 40	62 - 64	86 - 93
41 - 47	65 - 68	94 - 102

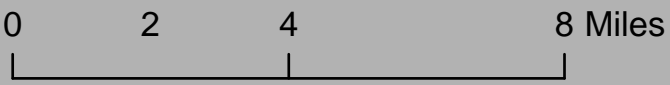




Travel Time Contours 2013 Baseline AM Peak

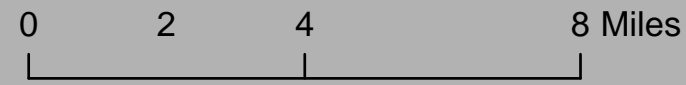
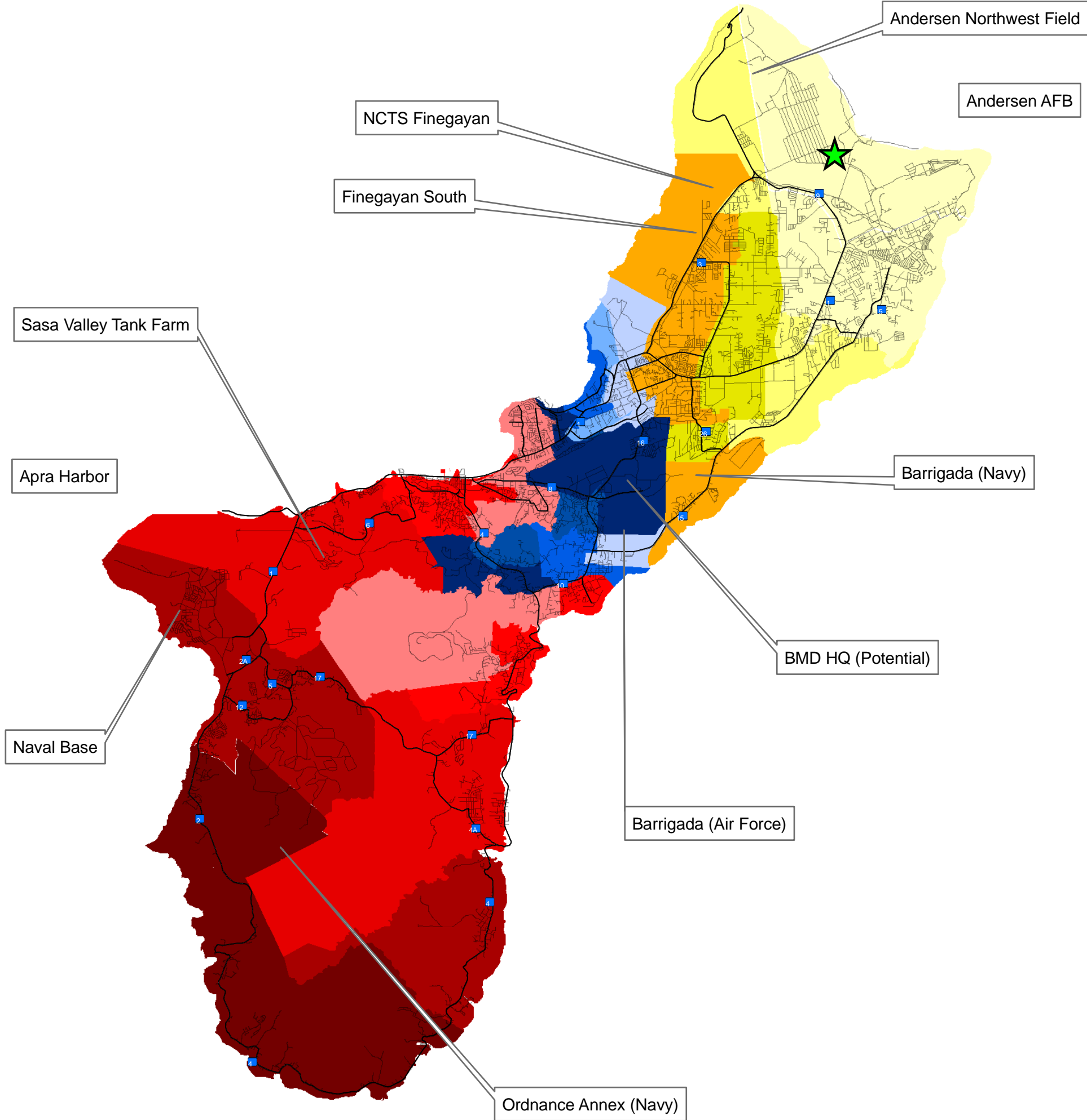
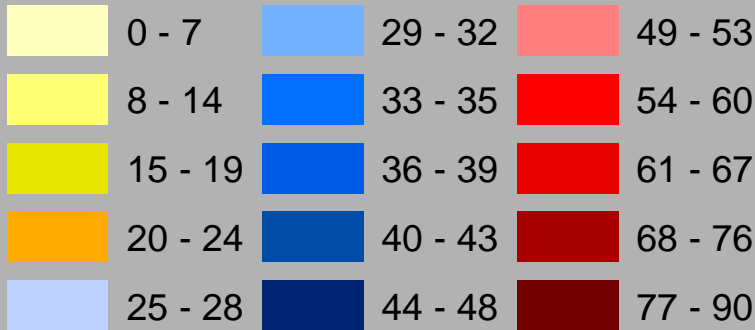
Minutes of Travel From
NCTS Finegayan

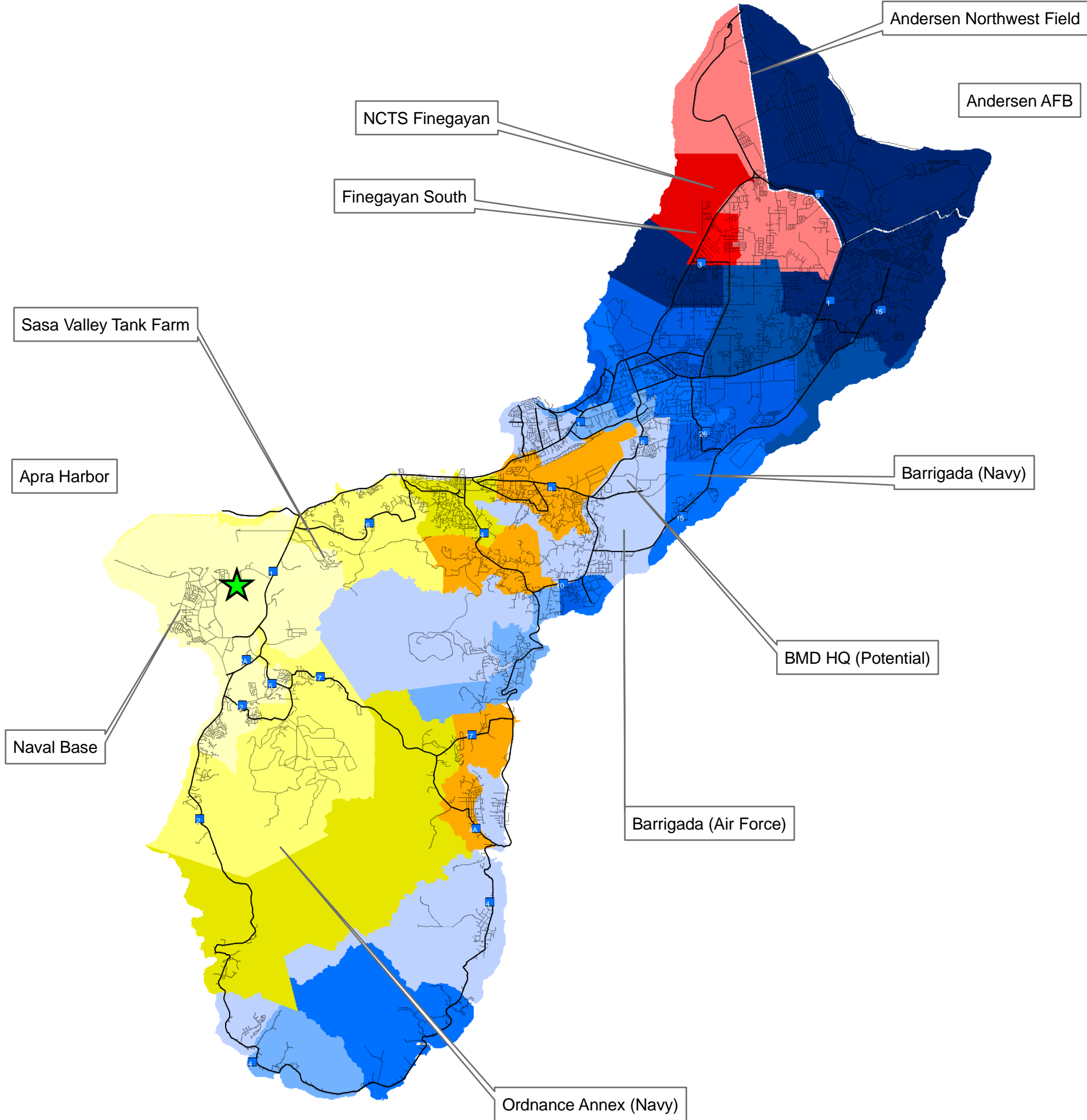
0 - 13	48 - 52	69 - 73
14 - 24	53 - 57	74 - 79
25 - 33	58 - 61	80 - 85
34 - 40	62 - 64	86 - 93
41 - 47	65 - 68	94 - 102



Travel Time Contours 2013 Construction AM Peak

Minutes of Travel From
Andersen AFB

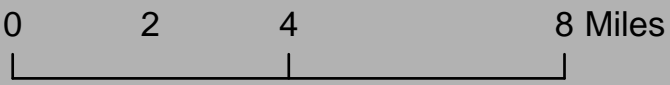




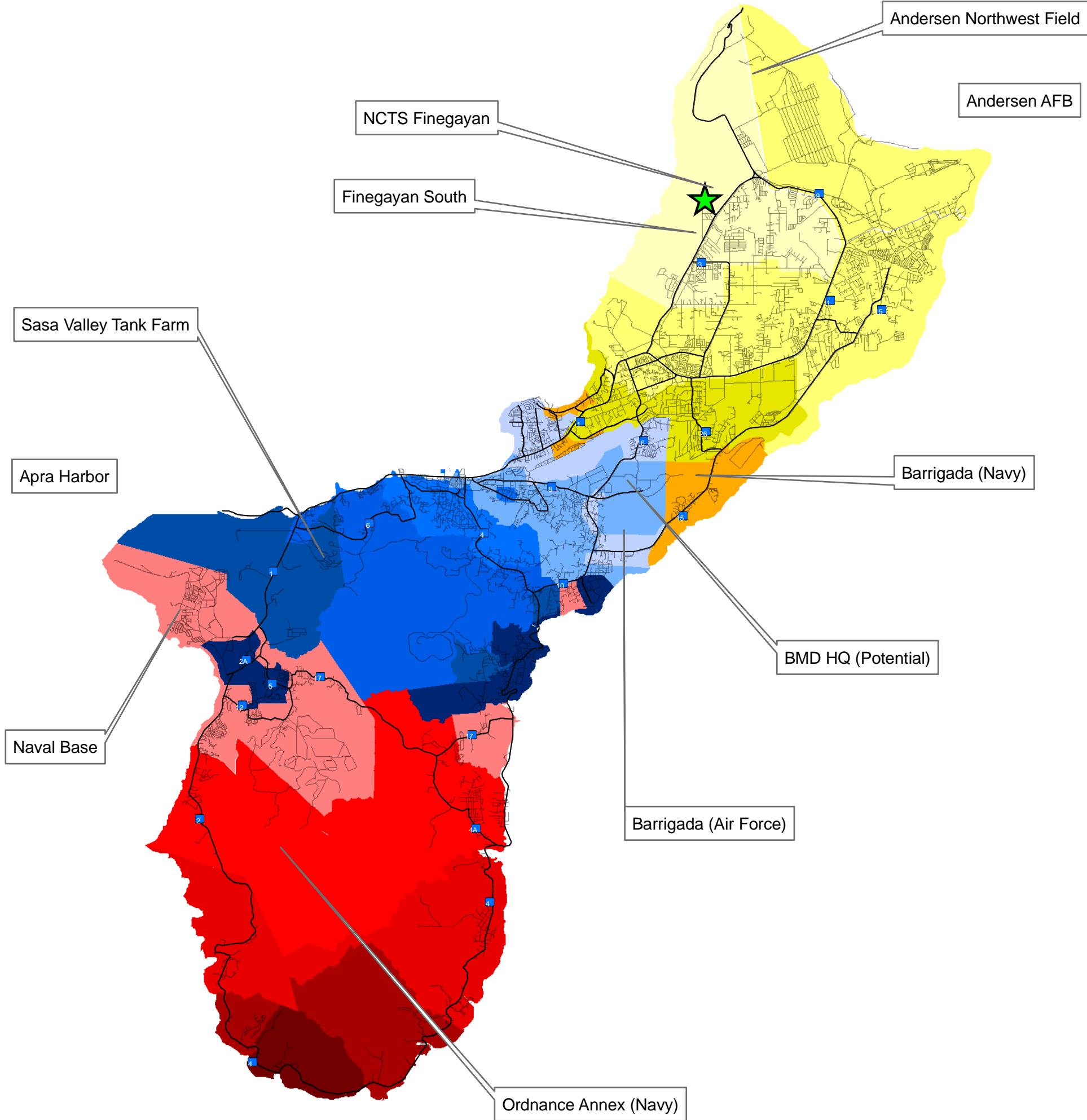
Travel Time Contours 2013 Construction AM Peak

Minutes of Travel From
the Naval Base

0 - 7	29 - 32	49 - 53
8 - 14	33 - 35	54 - 60
15 - 19	36 - 39	61 - 67
20 - 24	40 - 43	68 - 76
25 - 28	44 - 48	77 - 85



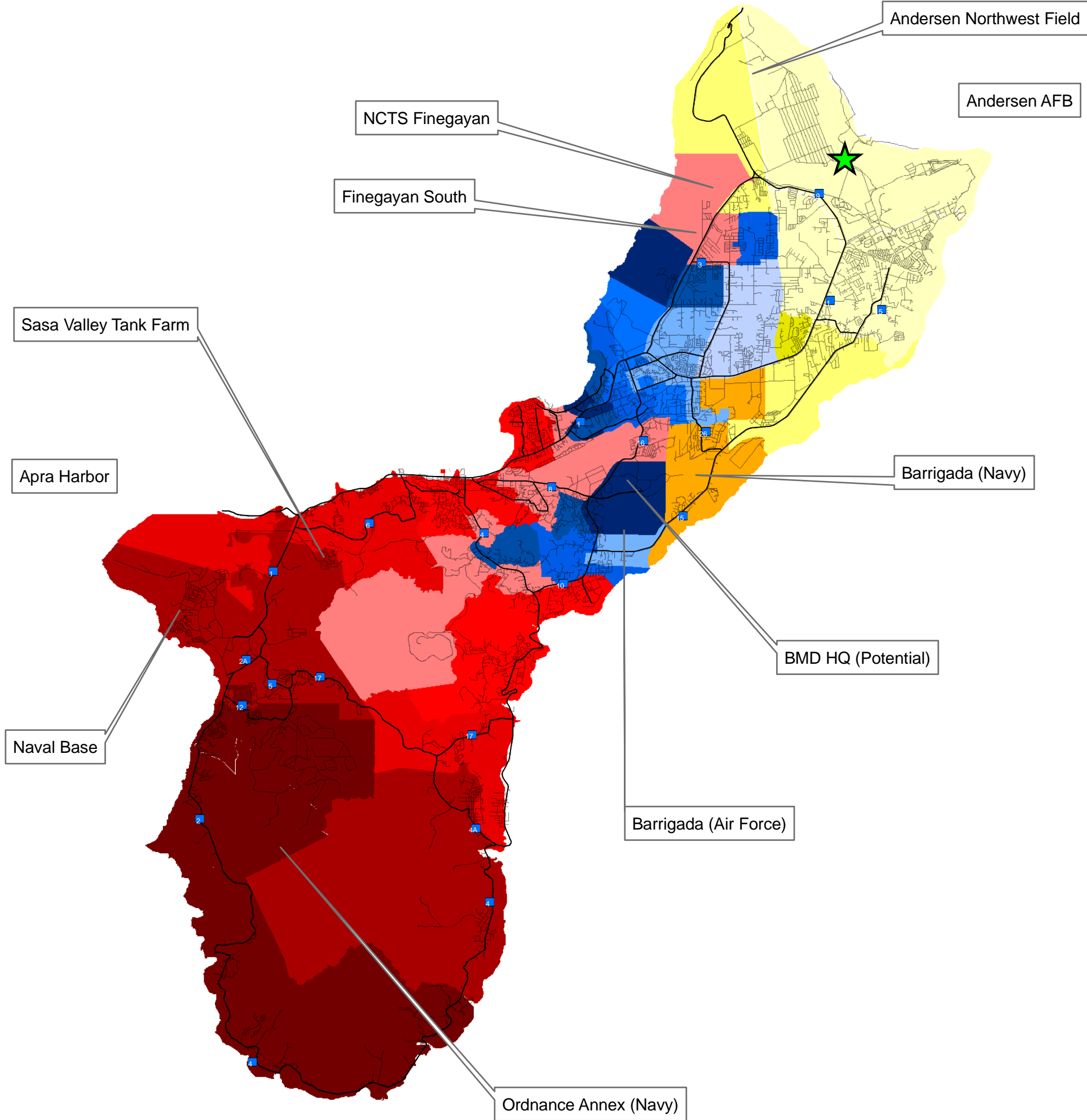
Travel Time Contours 2013 Construction AM Peak



Minutes of Travel From NCTS Finegayan

0 - 13	48 - 52	69 - 73
14 - 24	53 - 57	74 - 79
25 - 33	58 - 61	80 - 85
34 - 40	62 - 64	86 - 93
41 - 47	65 - 68	94 - 102

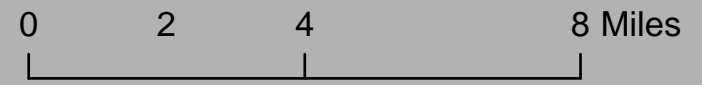


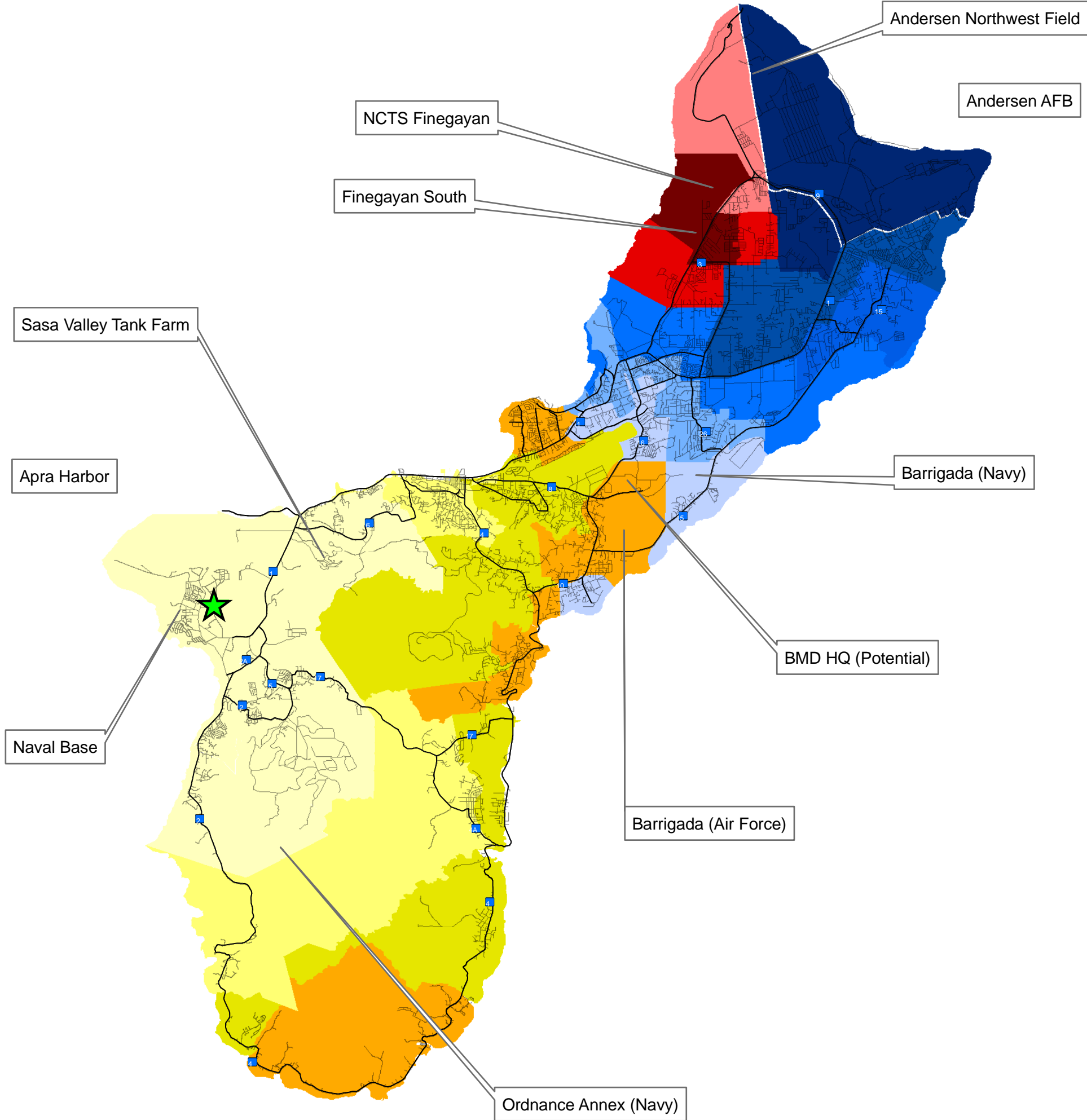


Travel Time Contours 2013 Military AM Peak

Minutes of Travel From
Andersen AFB

0 - 7	29 - 32	49 - 53
8 - 14	33 - 35	54 - 60
15 - 19	36 - 39	61 - 67
20 - 24	40 - 43	68 - 76
25 - 28	44 - 48	77 - 92

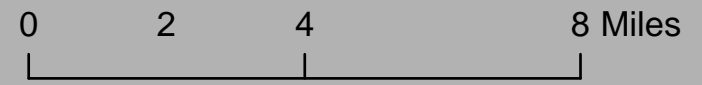




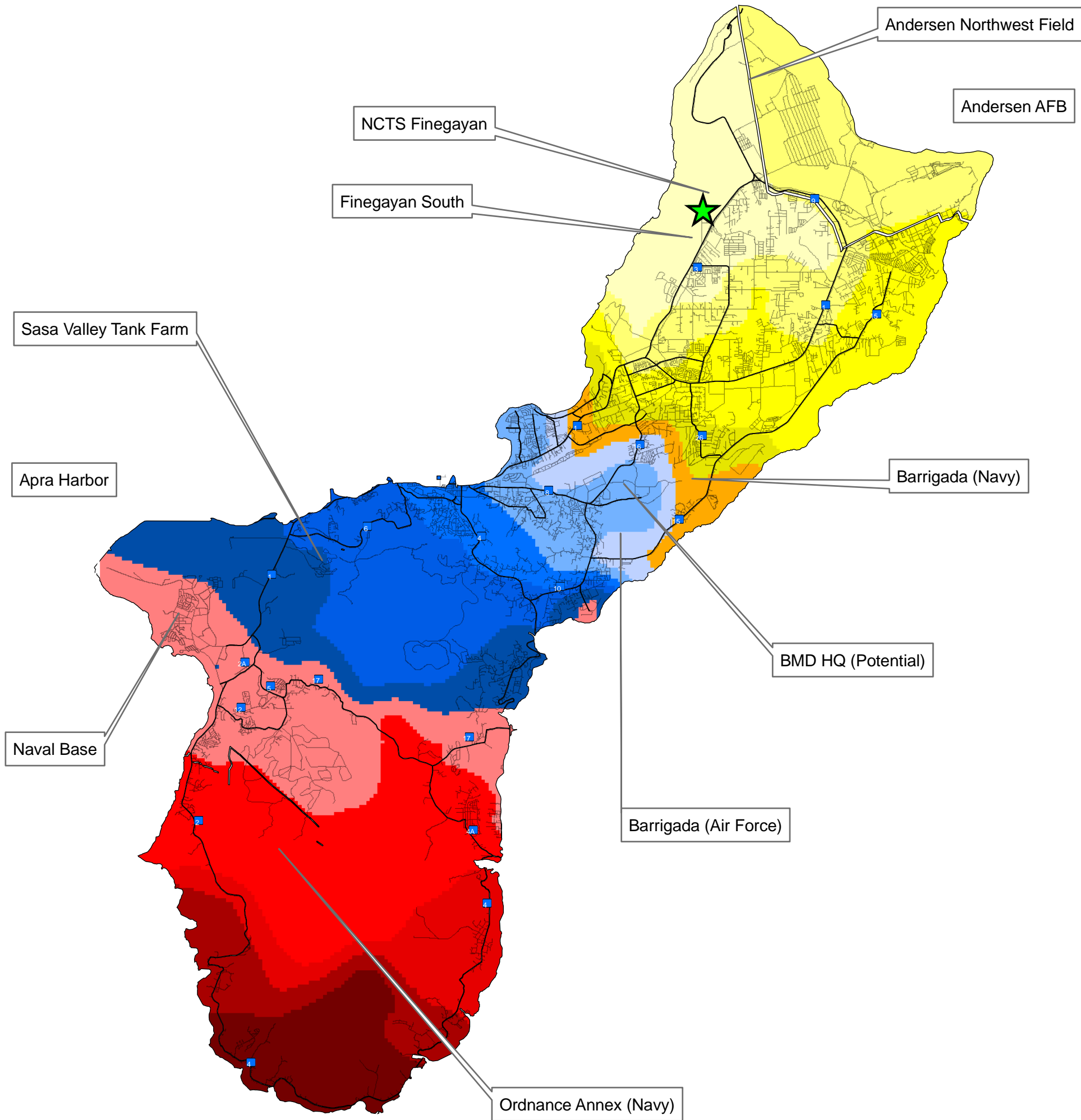
Travel Time Contours 2013 Military AM Peak

Minutes of Travel From
the Naval Base

0 - 12	41 - 44	56 - 60
13 - 22	45 - 46	61 - 66
23 - 29	47 - 49	67 - 73
30 - 35	50 - 51	74 - 83
36 - 40	52 - 55	84 - 95

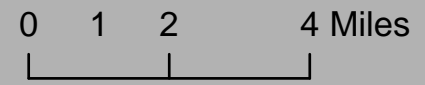


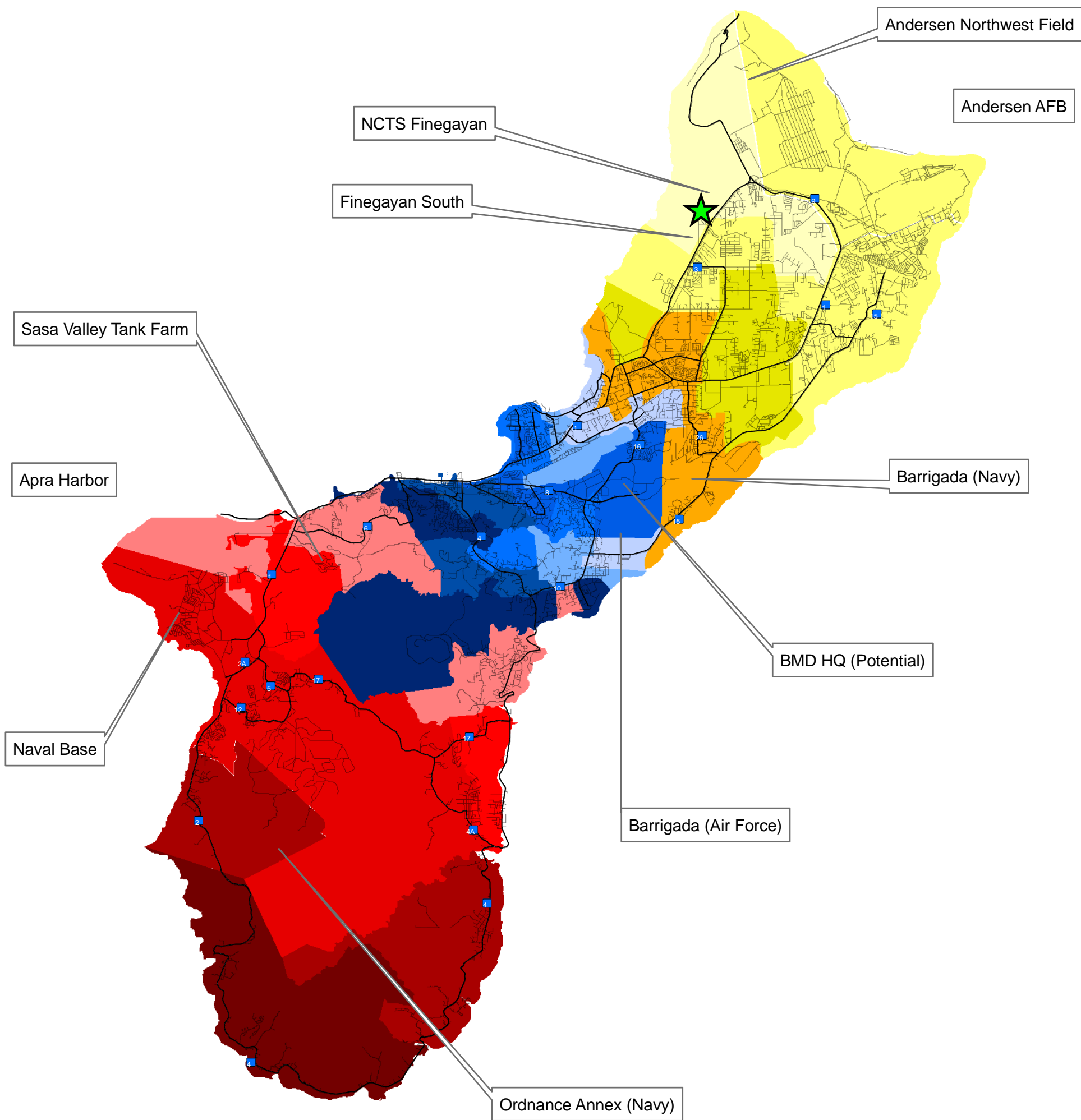
Travel Time Contours 2013 Military AM Peak



Minutes of Travel From NCTS Finegayan

0 - 6	31 - 36	59 - 64
7 - 12	37 - 42	65 - 69
13 - 18	43 - 47	70 - 75
19 - 24	48 - 53	76 - 80
25 - 30	54 - 58	81 - 85

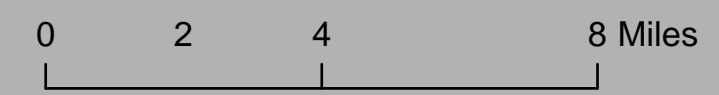


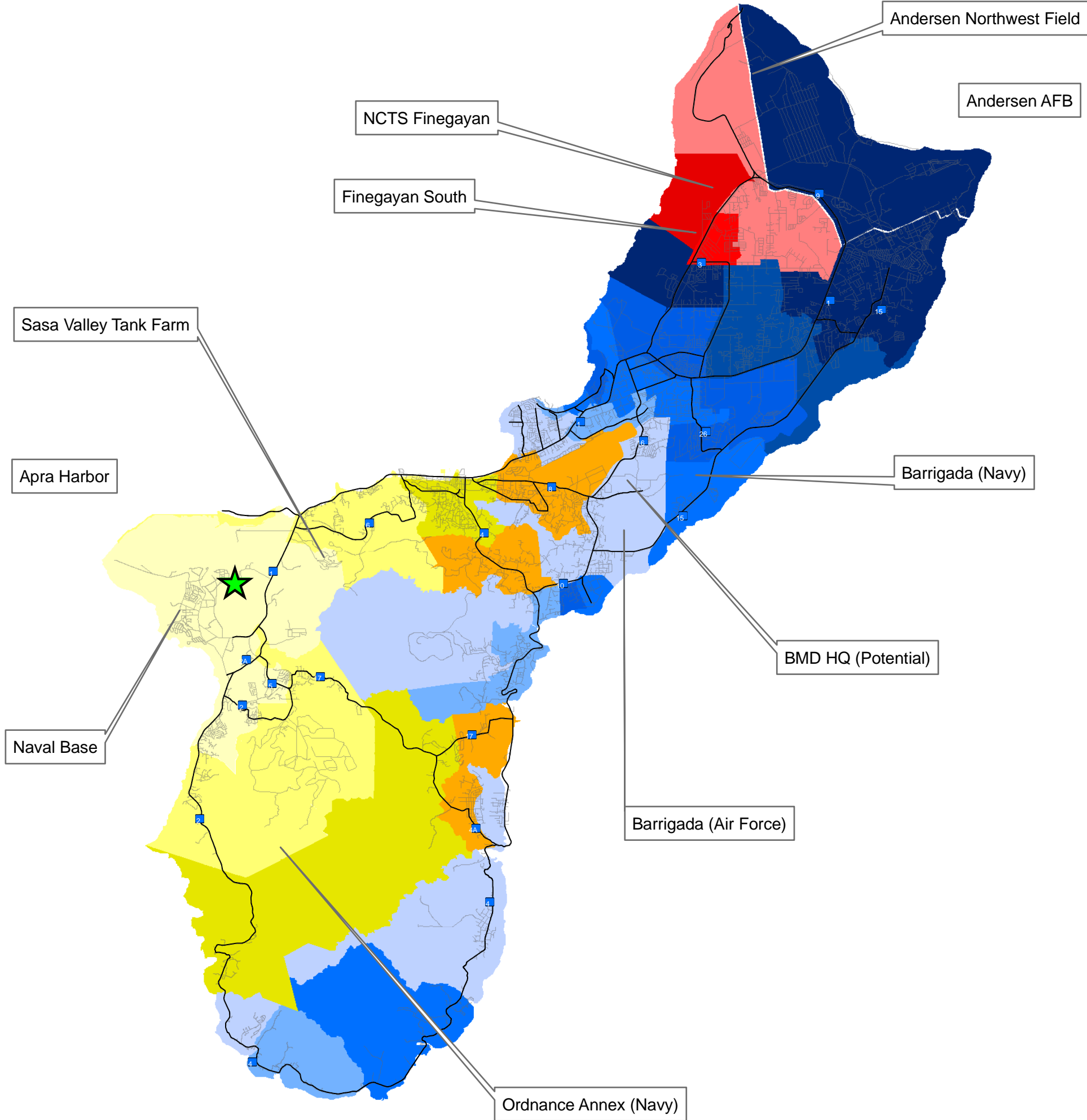


Travel Time Contours 2013 Military AM Peak

Minutes of Travel From
NCTS Finegayan

0 - 13	48 - 52	69 - 73
14 - 24	53 - 57	74 - 79
25 - 33	58 - 61	80 - 85
34 - 40	62 - 64	86 - 93
41 - 47	65 - 68	94 - 102



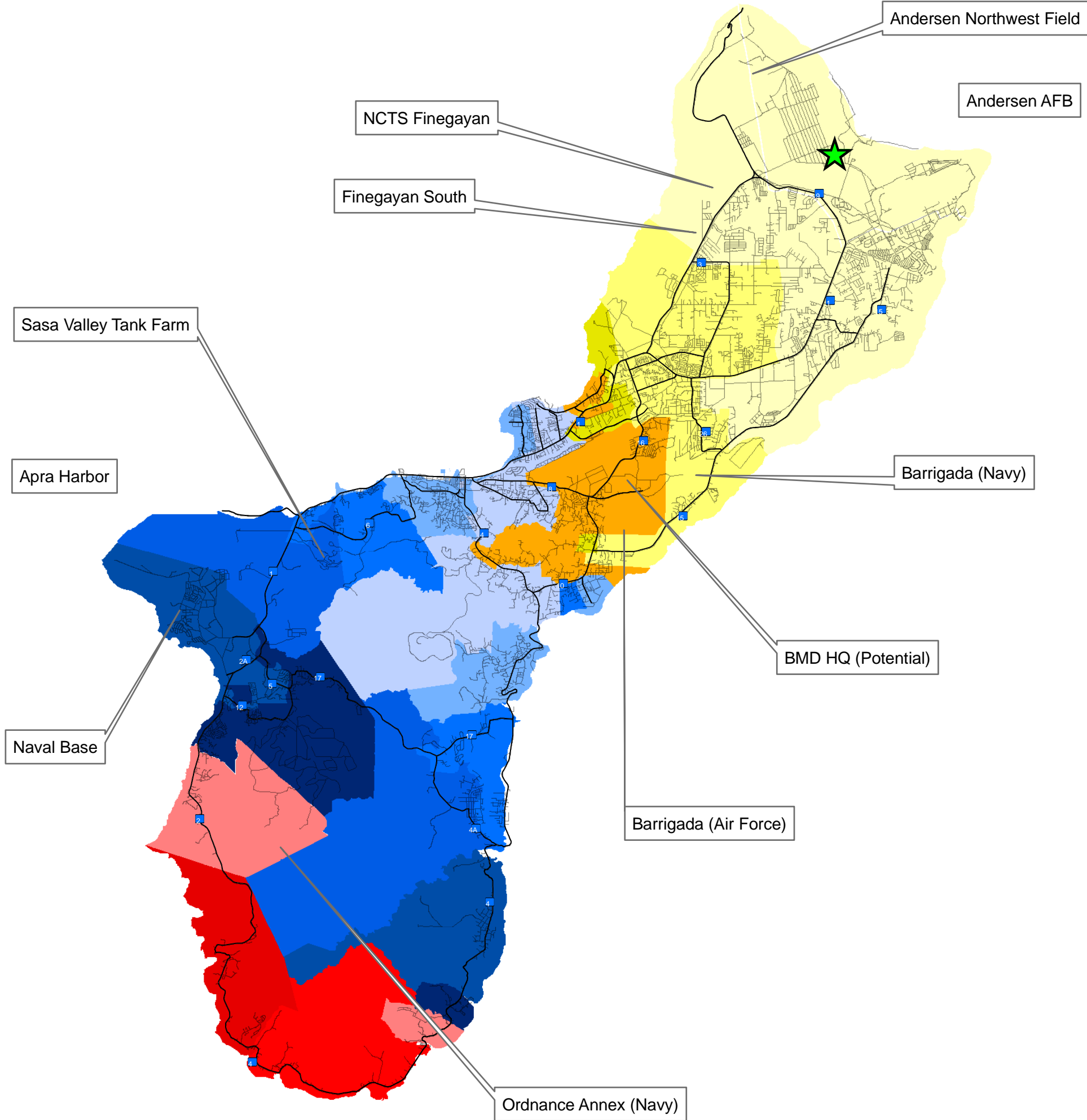


Travel Time Contours 2013 Baseline AM Peak

Minutes of Travel From
the Naval Base

0 - 7	29 - 32	49 - 53
8 - 14	33 - 35	54 - 60
15 - 19	36 - 39	61 - 67
20 - 24	40 - 43	68 - 76
25 - 28	44 - 48	77 - 85

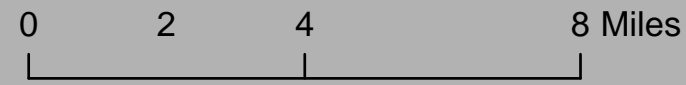




Travel Time Contours 2013 Baseline AM Peak

Minutes of Travel From
Andersen AFB

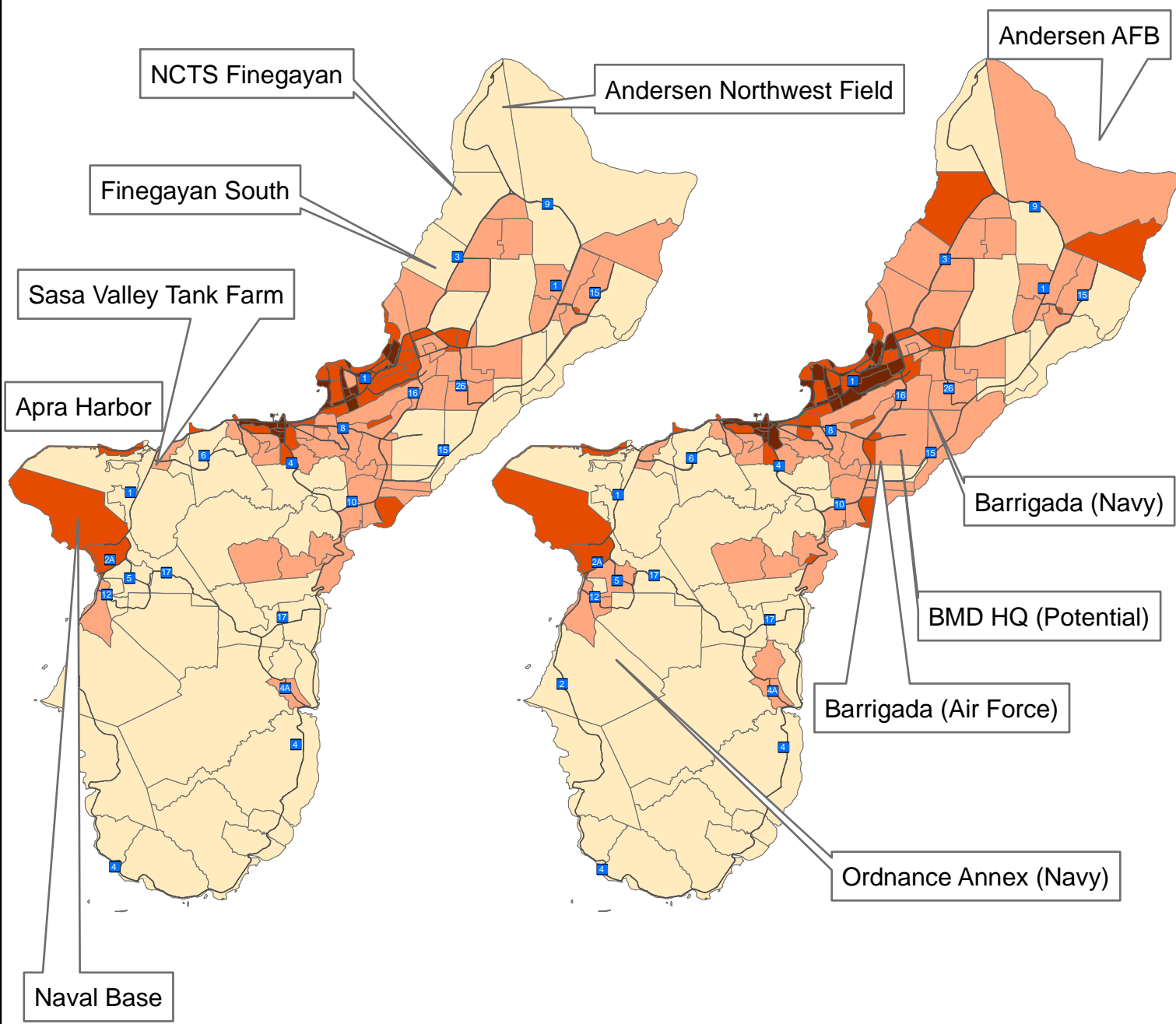
0 - 13	48 - 52	69 - 73
14 - 24	53 - 57	74 - 79
25 - 33	58 - 61	80 - 85
34 - 40	62 - 64	86 - 93
41 - 47	65 - 68	94 - 102



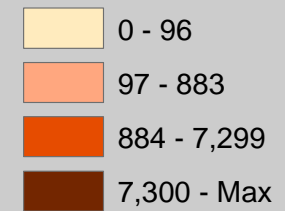
Baseline

Build

Guam Employment Density by Transportation Analysis Zone 2013



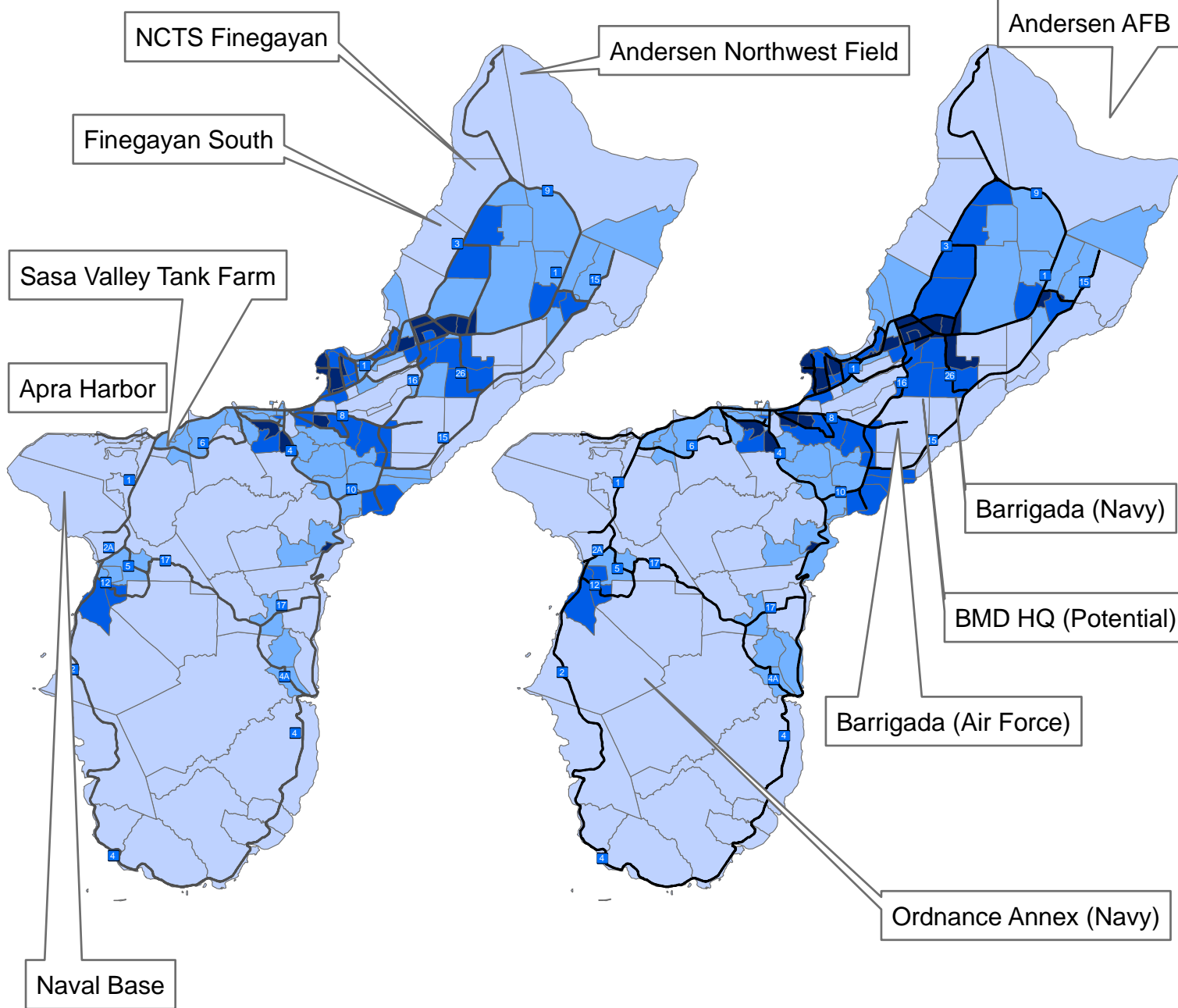
Employment per Square Mile by Transportation Analysis Zone



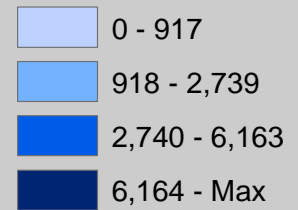
Baseline

Build

Guam Population Density by Transportation Analysis Zone 2013

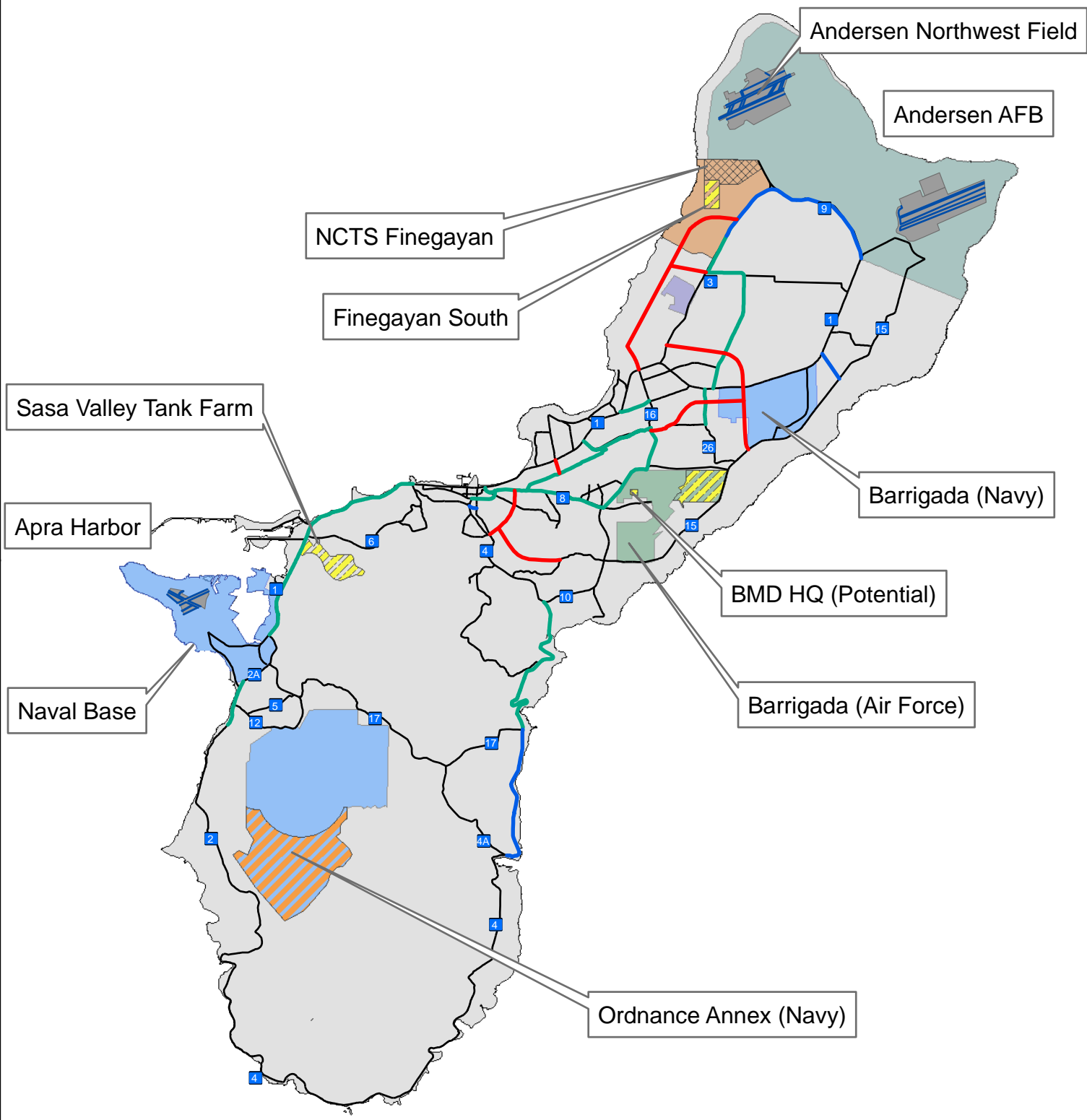


Population per Square Mile



2030 Guam Transportation Plan

2013 Construction Peak



Project Types

- Widening
- Safety/Operational Improvements
- New



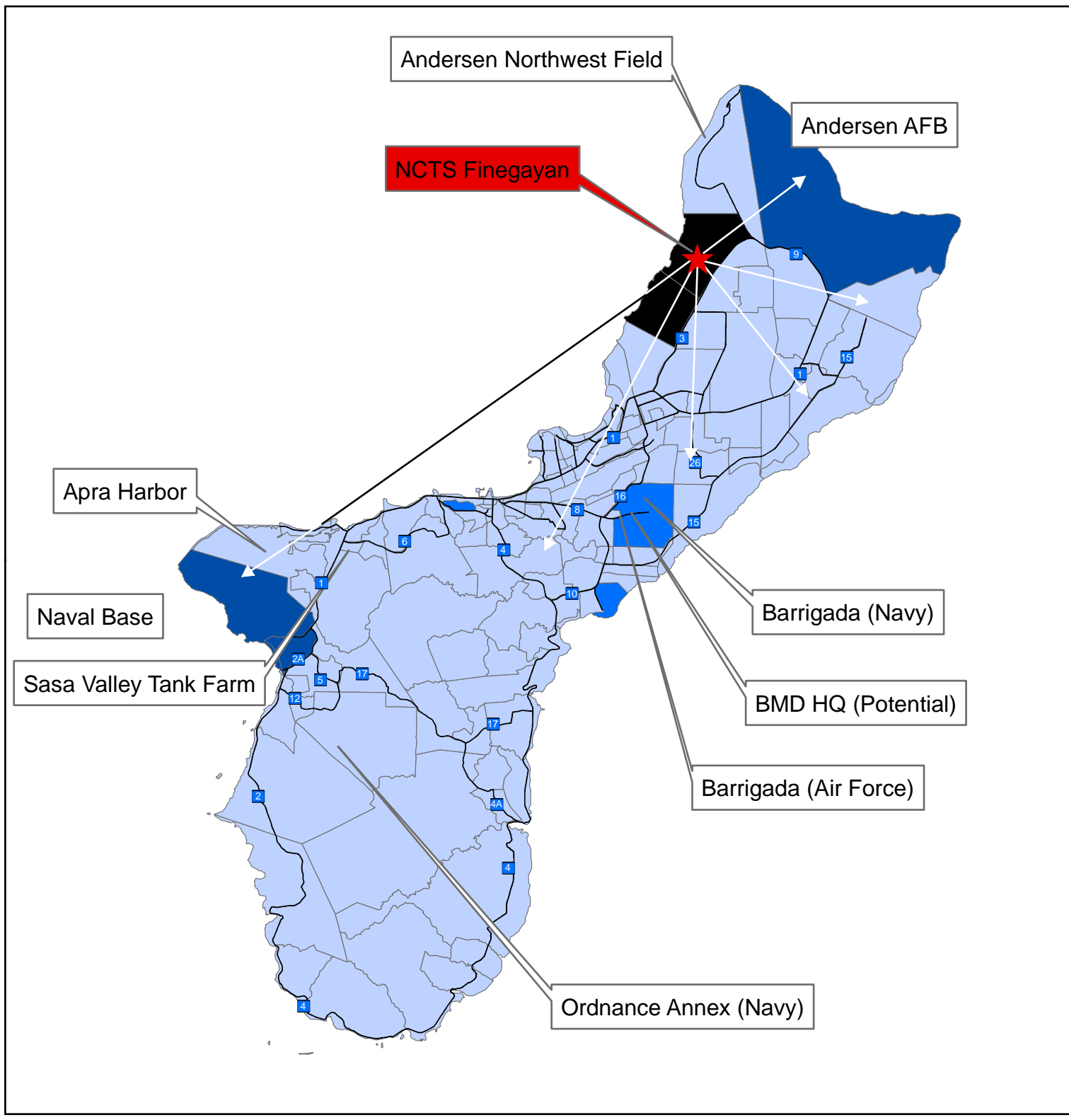
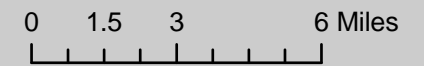
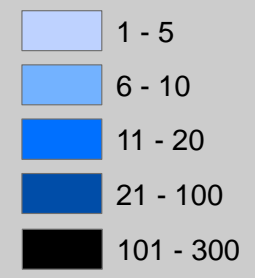
Andersen Northwest Field

Andersen AFB

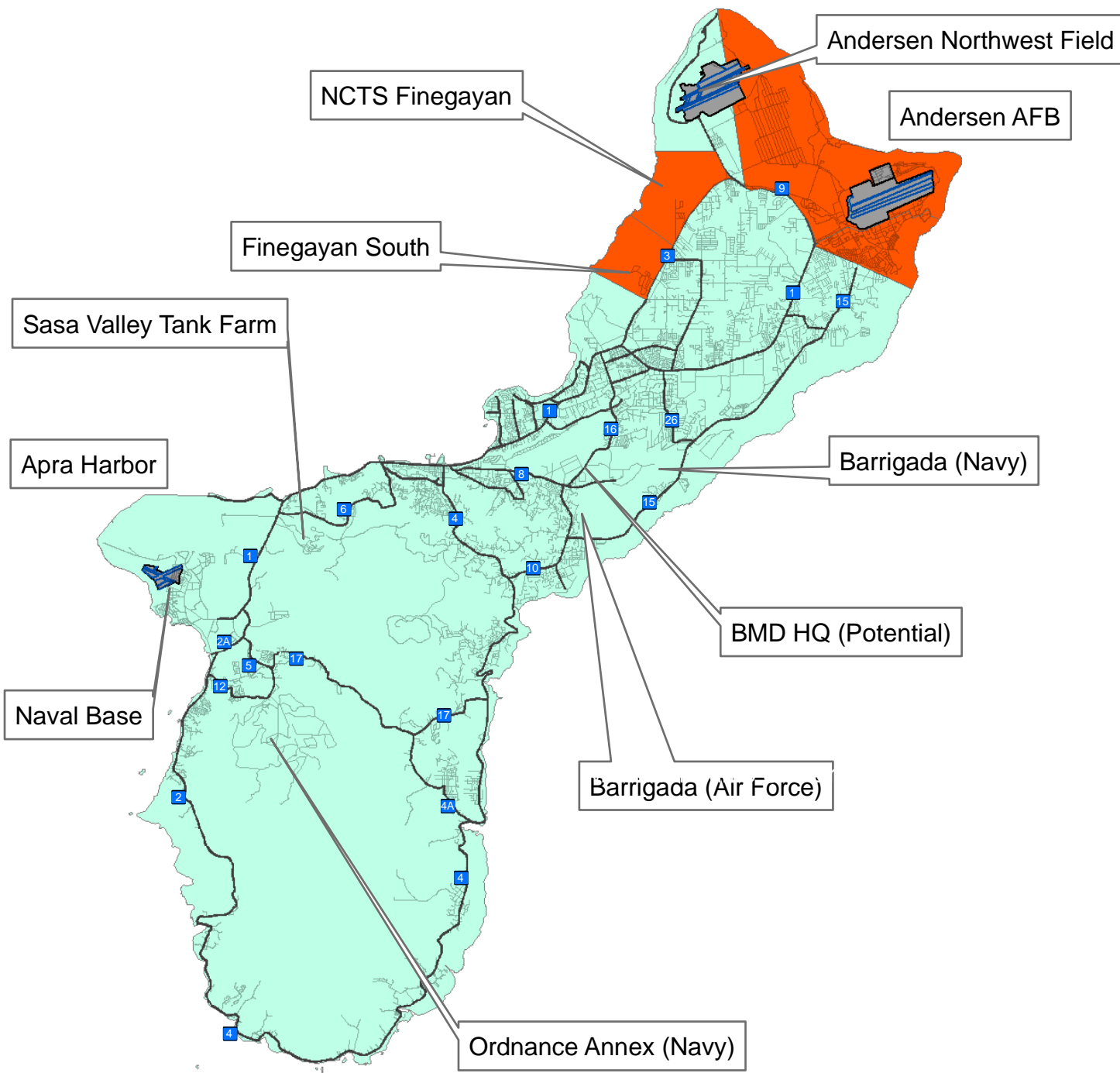
NCTS Finegayan

Home-Based Other Trips Originating from NCTS Finegayan during the AM Peak Period

Home-Based Other Trips



Guam Transportation Analysis Zones with Additional Construction Jobs 2013



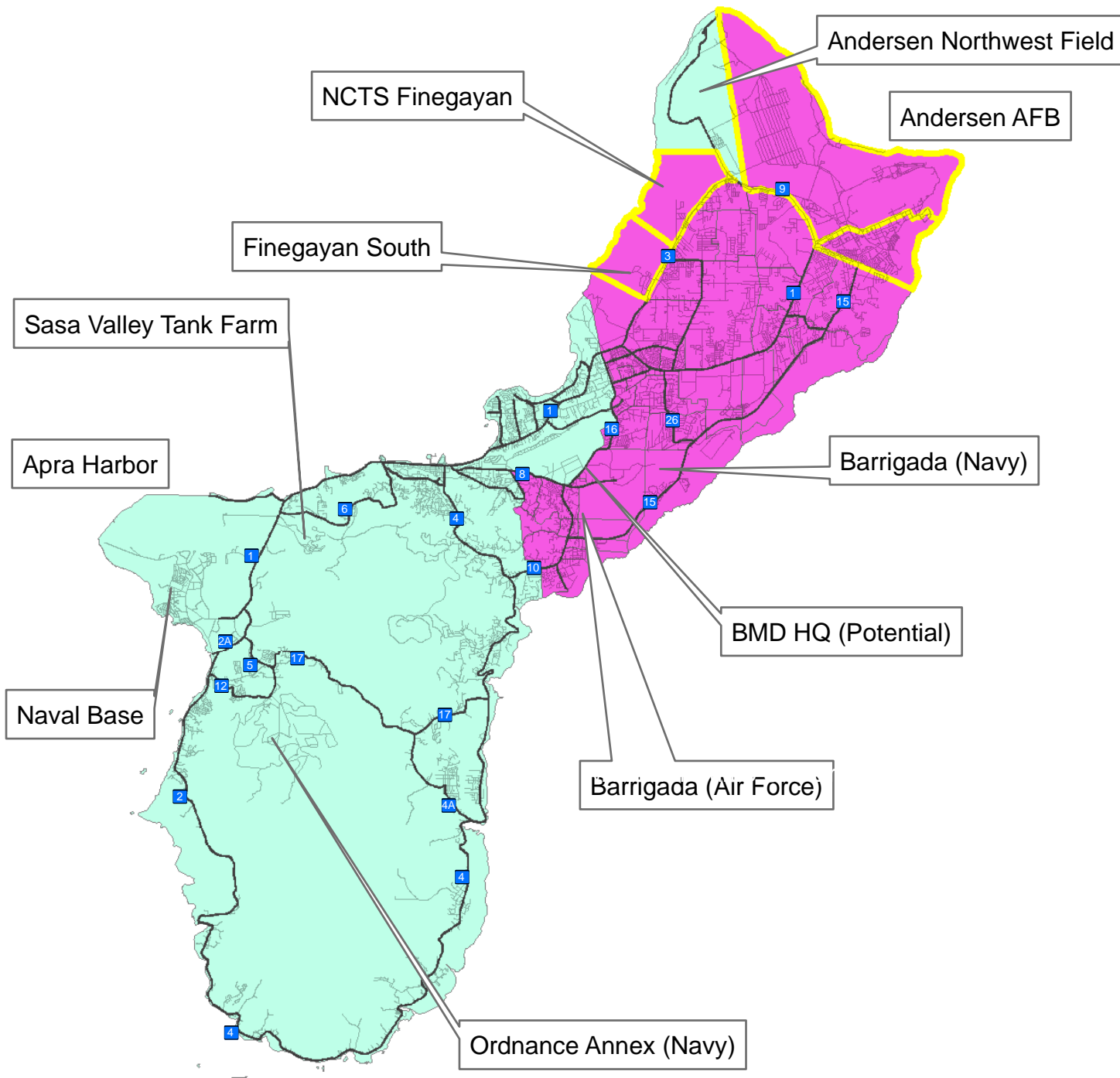
Construction Jobs Added (Trip Attractions)

4 Zones for a Total of 15,913 Construction Jobs

0 1.5 3 6 Miles



Guam 2013 Military Construction Jobs



Construction Jobs Added (Trip Attractors)

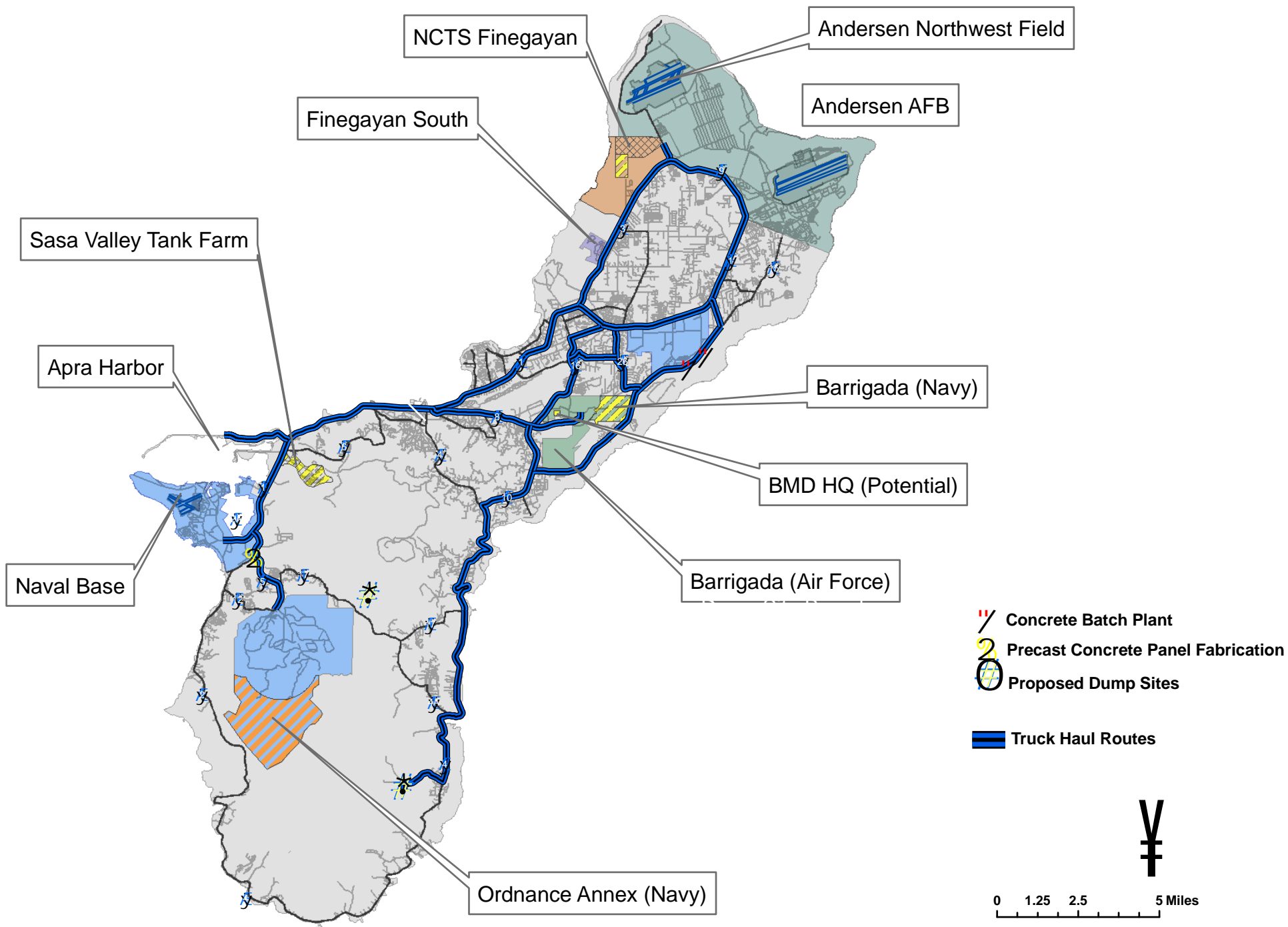
4 Zones (Construction Sites)
Total 15,913
Construction Jobs

Construction Workers Added (Trip Generators)

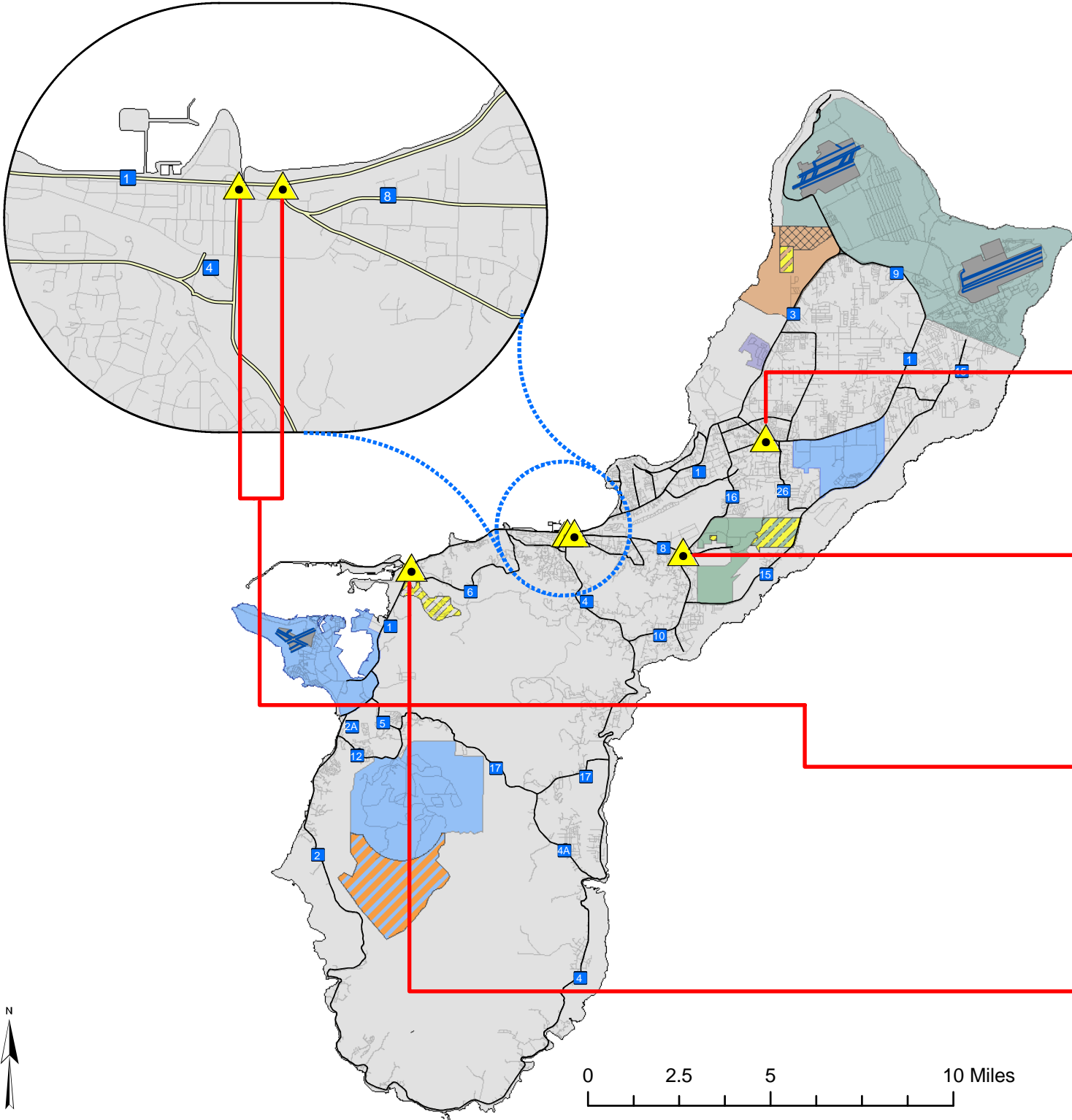
51 Zones Total of 13,770
Construction Workers

0 1.5 3 6 Miles





Title: Intersection Improvements



**Route 1/ Route 27
Intersection Improvements, \$2.5m**

Implement westbound double left-turn from Route 1 to Route 27, while maintaining six through lanes on Route 1

**Route 8/ Route 10
Intersection Improvements, \$2.5m**

Widen for future six through lanes on Route 8, maintain westbound to southbound double left-turn lanes

**Route 1/Route 4/ Route 8
Intersection Improvements, \$5.0m**

Implement westbound Route 8 to southbound Route 1 left-turn movement

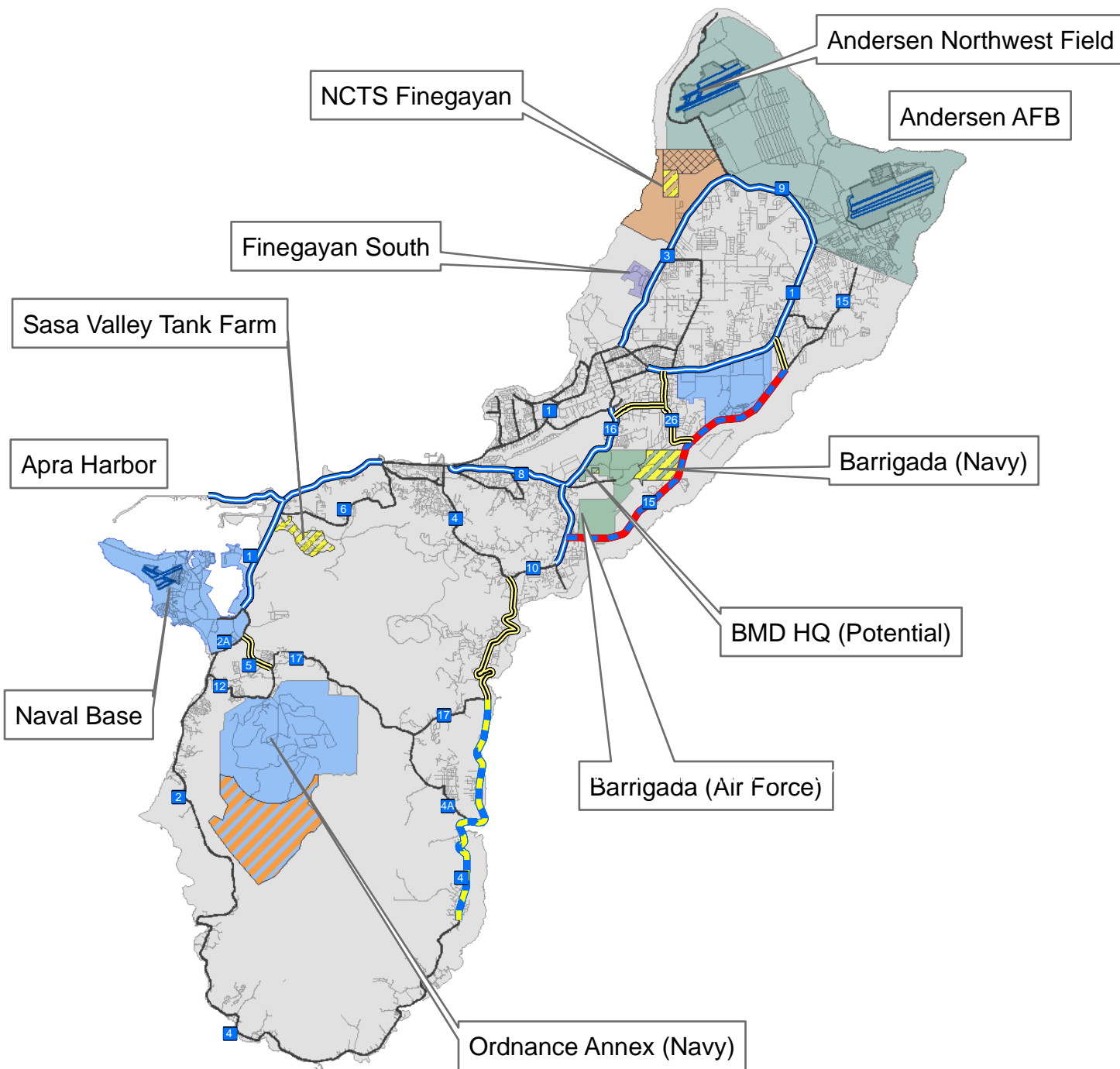
Implement double left-turns from southbound Route 1 to eastbound Route 8, maintain six through lanes on Route 1

Investigate southbound double left-turns from southbound Route 1 to eastbound Route 4 in lieu of loop

**Route 1/ Route 11
Intersection Improvements, \$2.5m**

Implement double eastbound left-turn lanes Route 11 to Route 1, widen for future six-lanes on Route 1

Guam Road Widening and Operational Improvements 2013



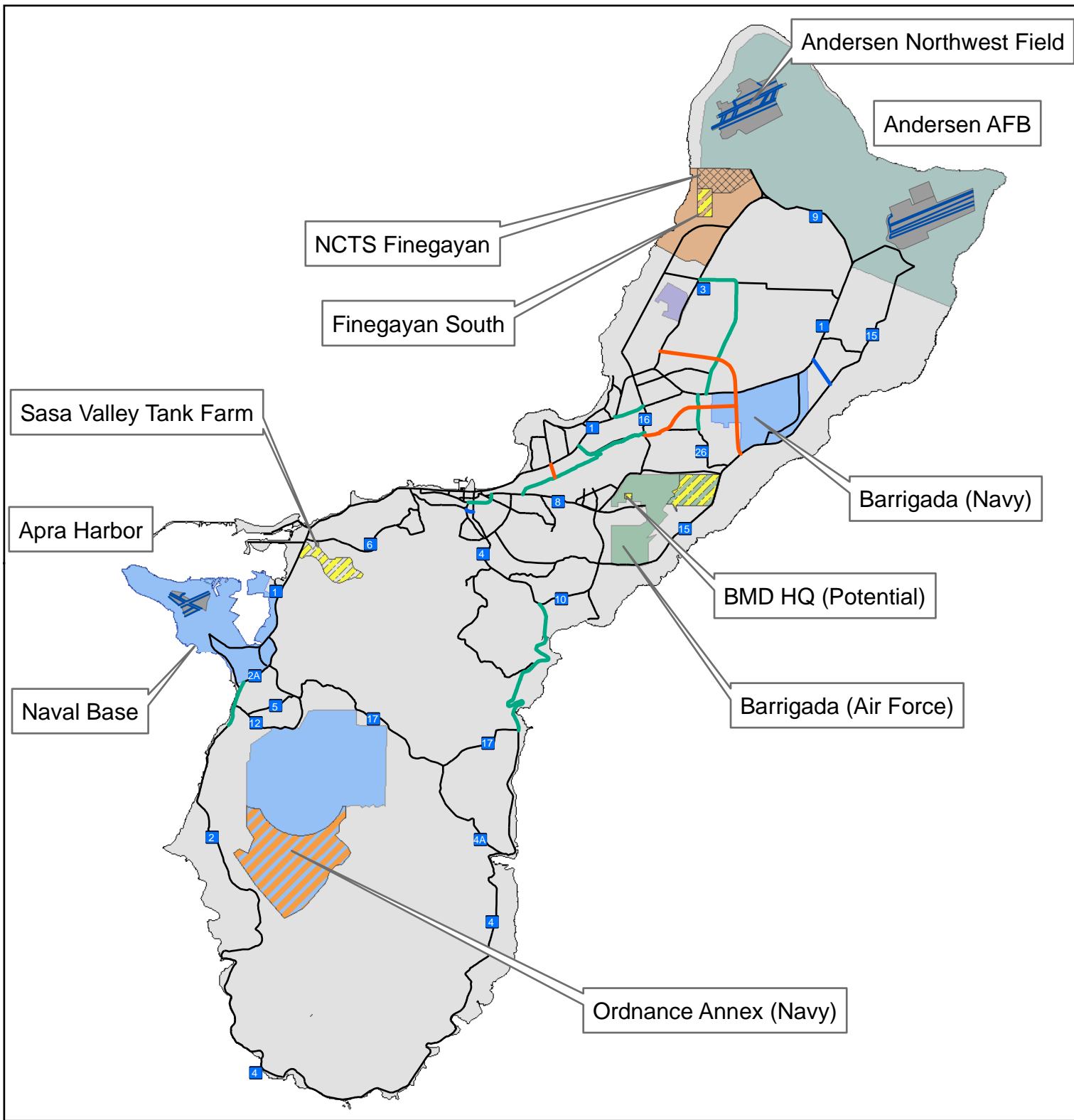
-  Military Induced Widening
-  Non-Military Induced Widening
-  Non-Military Induced Operational Improvements
-  Military Induced Operational Improvements
-  Military Induced Widening

0 1.5 3 6 Miles



Guam Transportation Plan Projects

2013 No Military



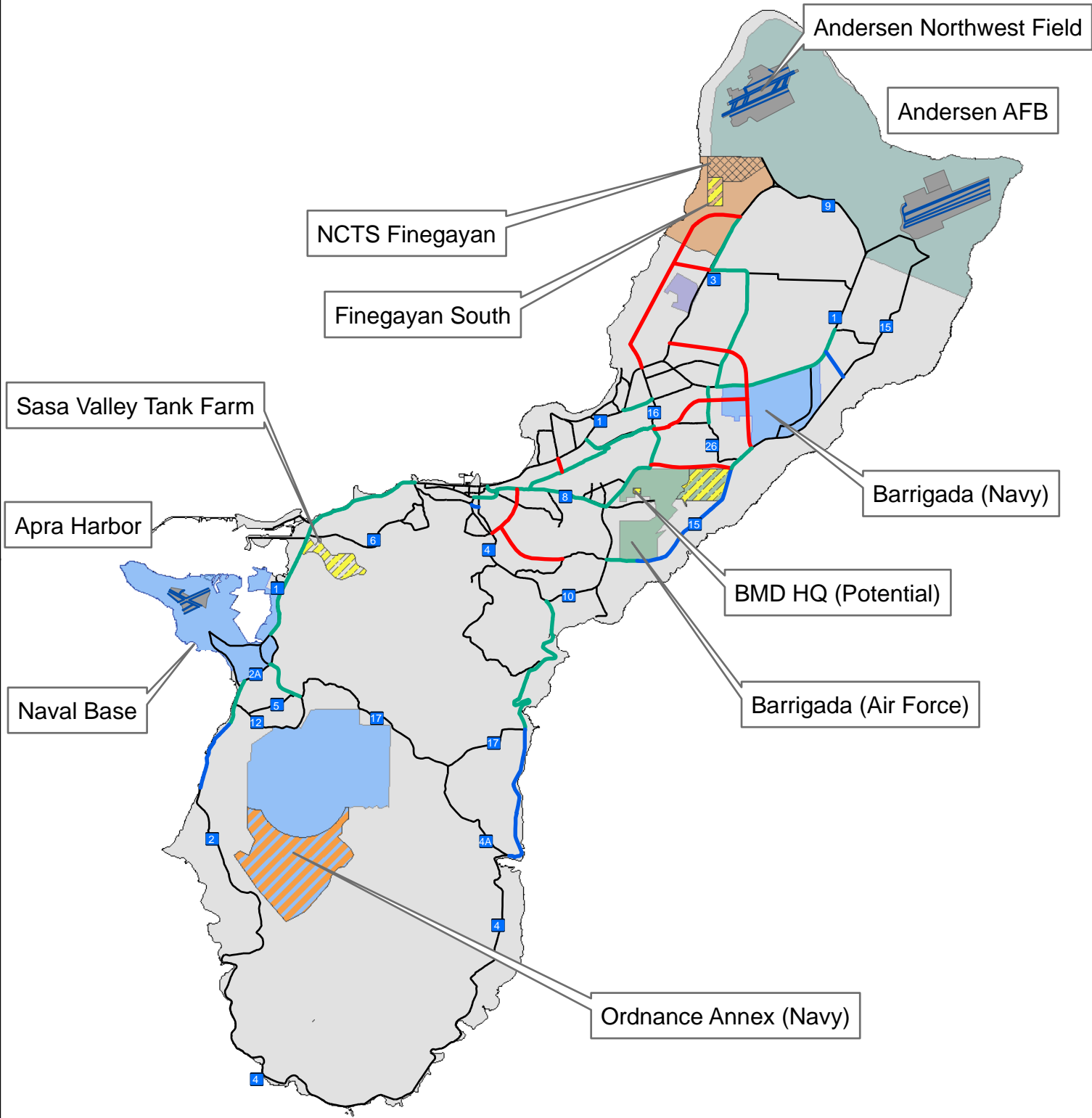
Project Types

- Widening
- Safety/Operational Improvements
- New



2030 Guam Transportation Plan

2030 Build Up



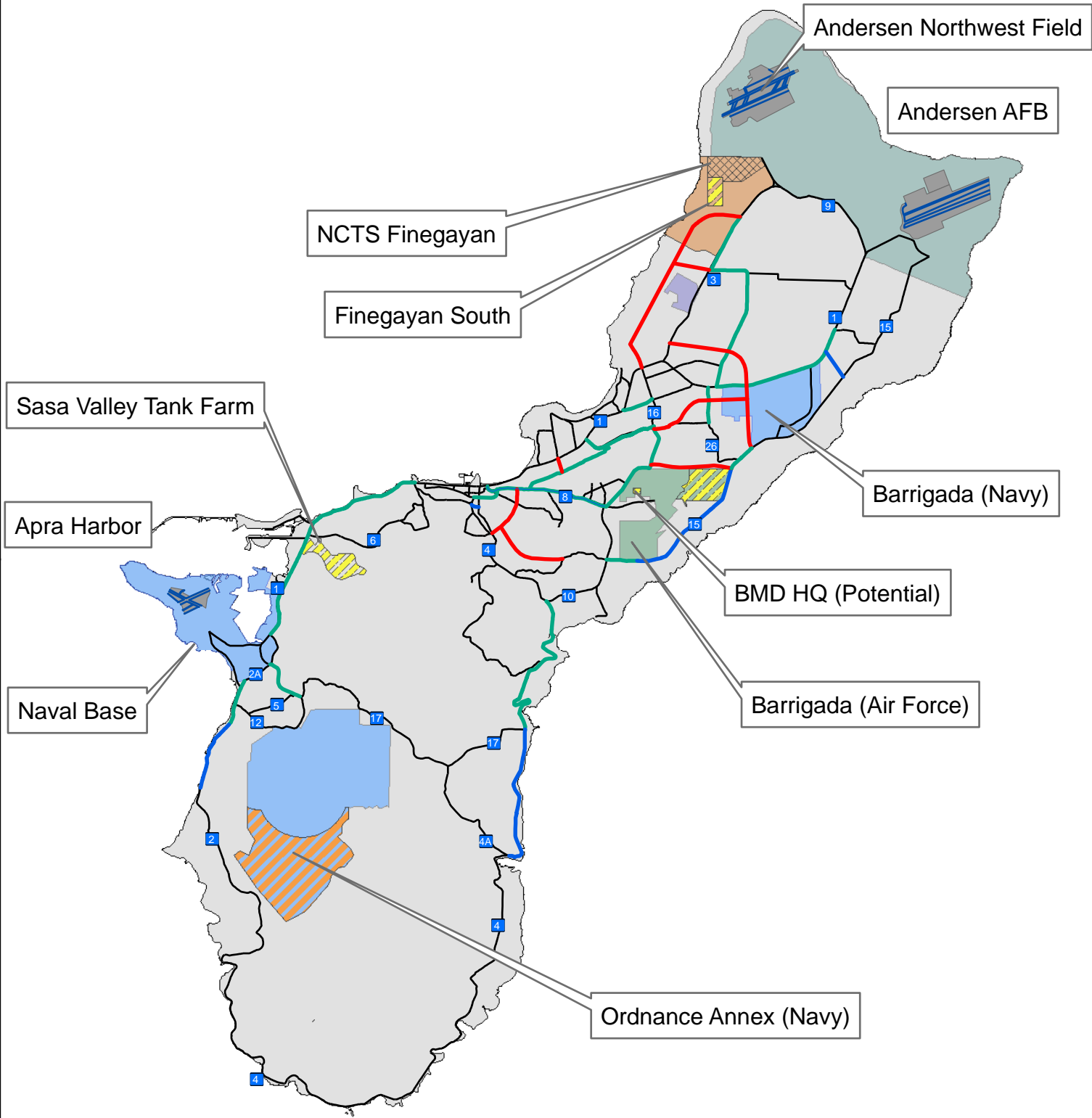
Project Types

- Widening
- Safety/Operational Improvements
- New



2030 Guam Transportation Plan

All Projects



Project Types

- Widening
- Safety/Operational Improvements
- New

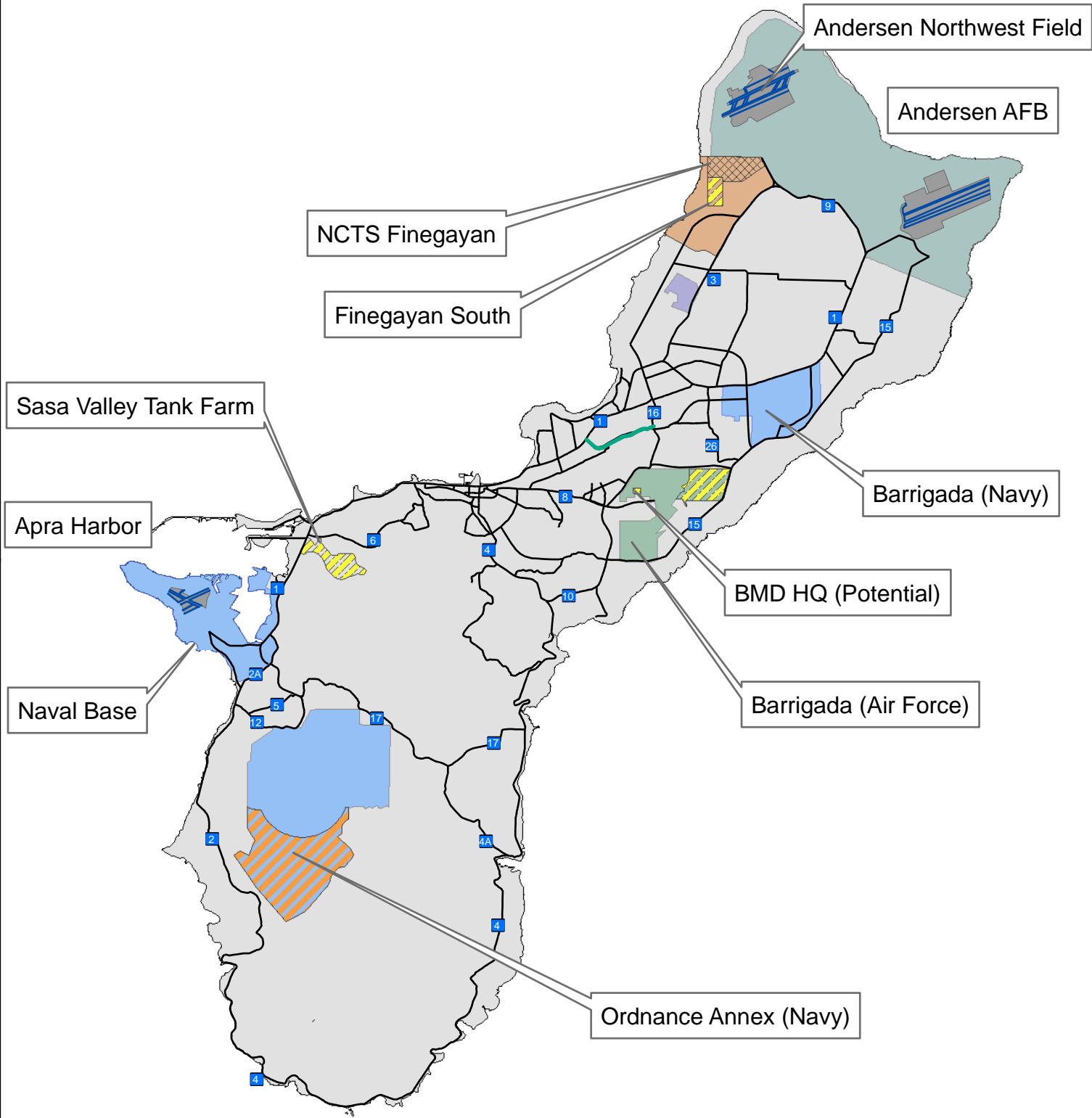


2030 Guam Transportation Plan

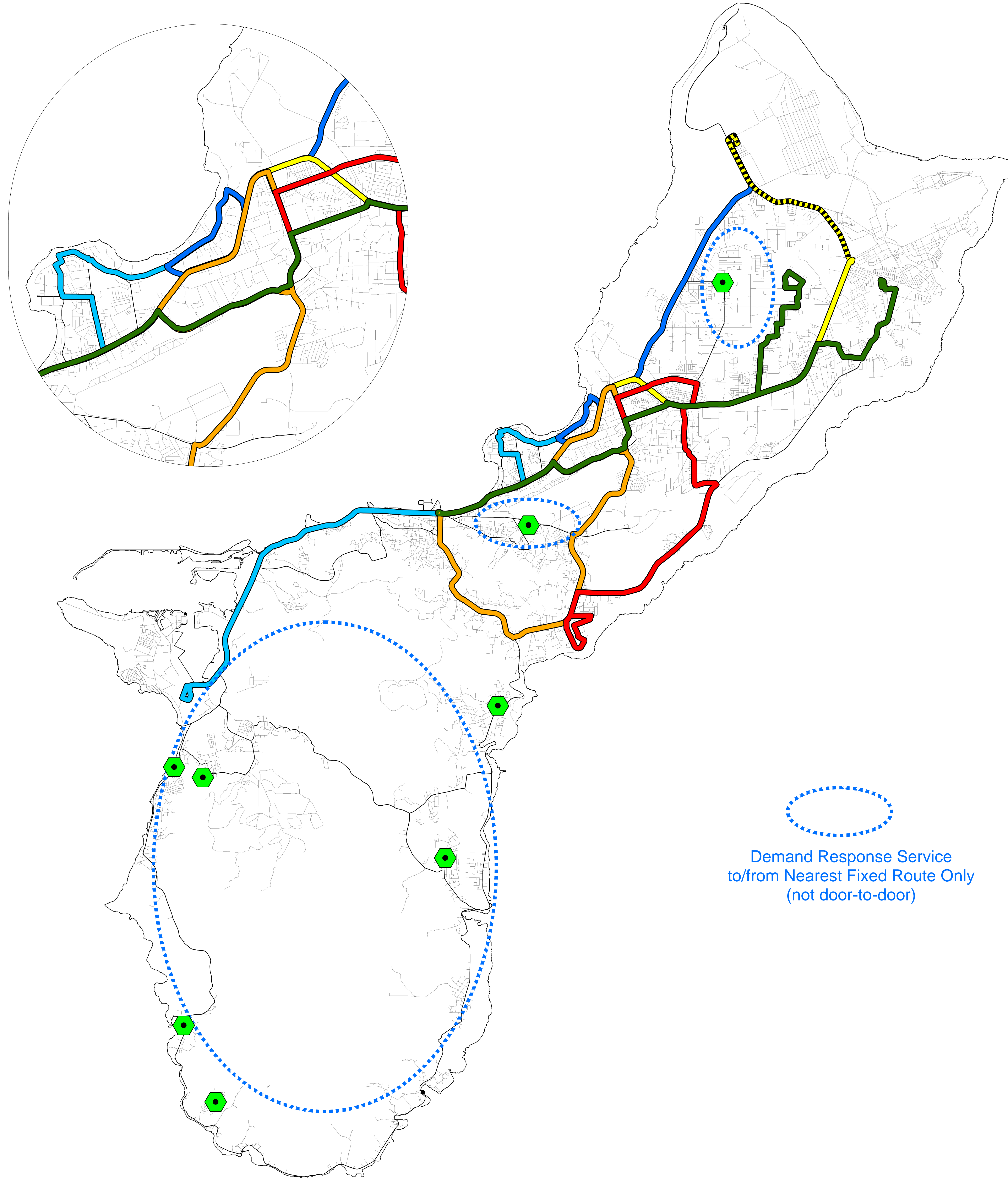
Existing plus Committed

Project Types

- Widening
- Safety/Operational Improvements
- New

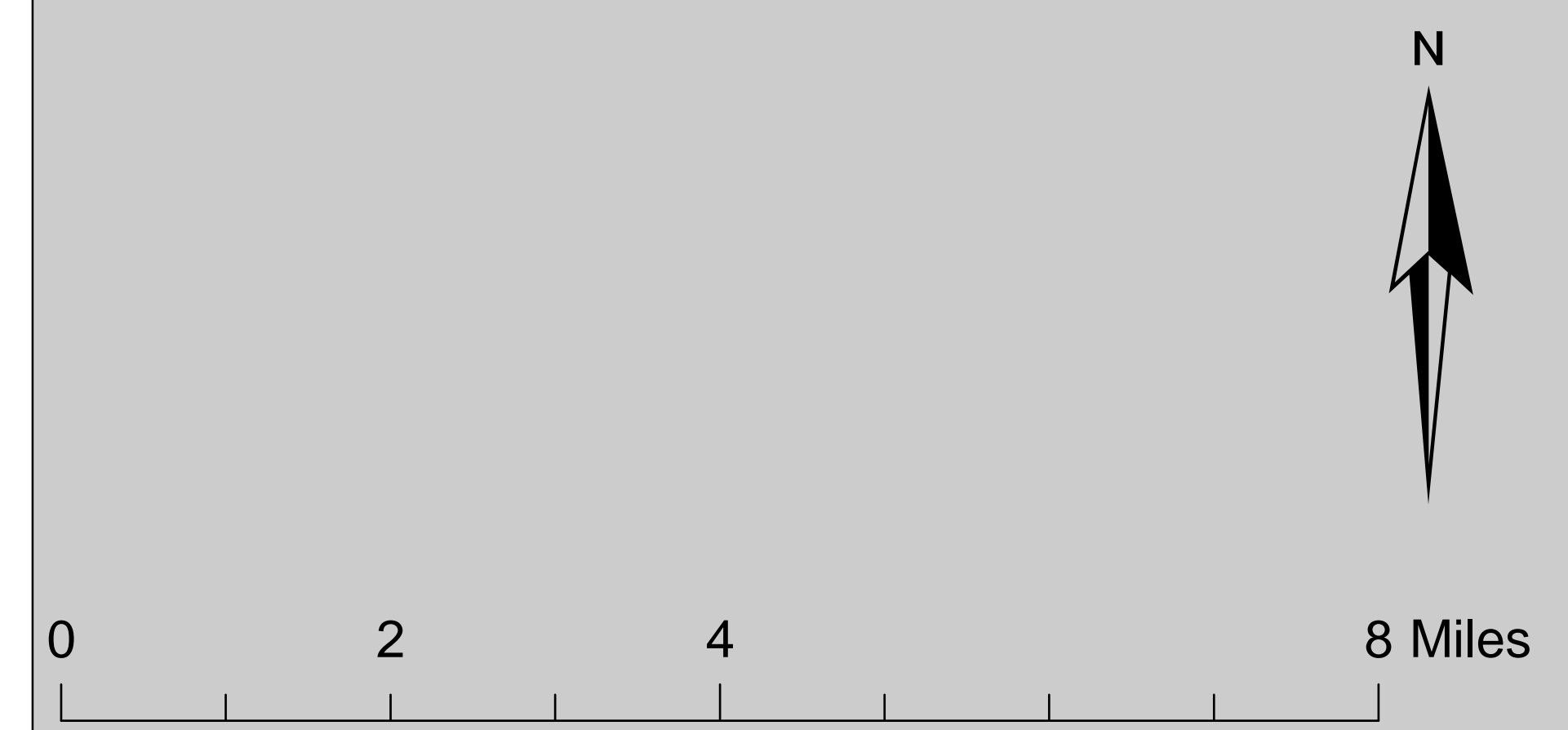


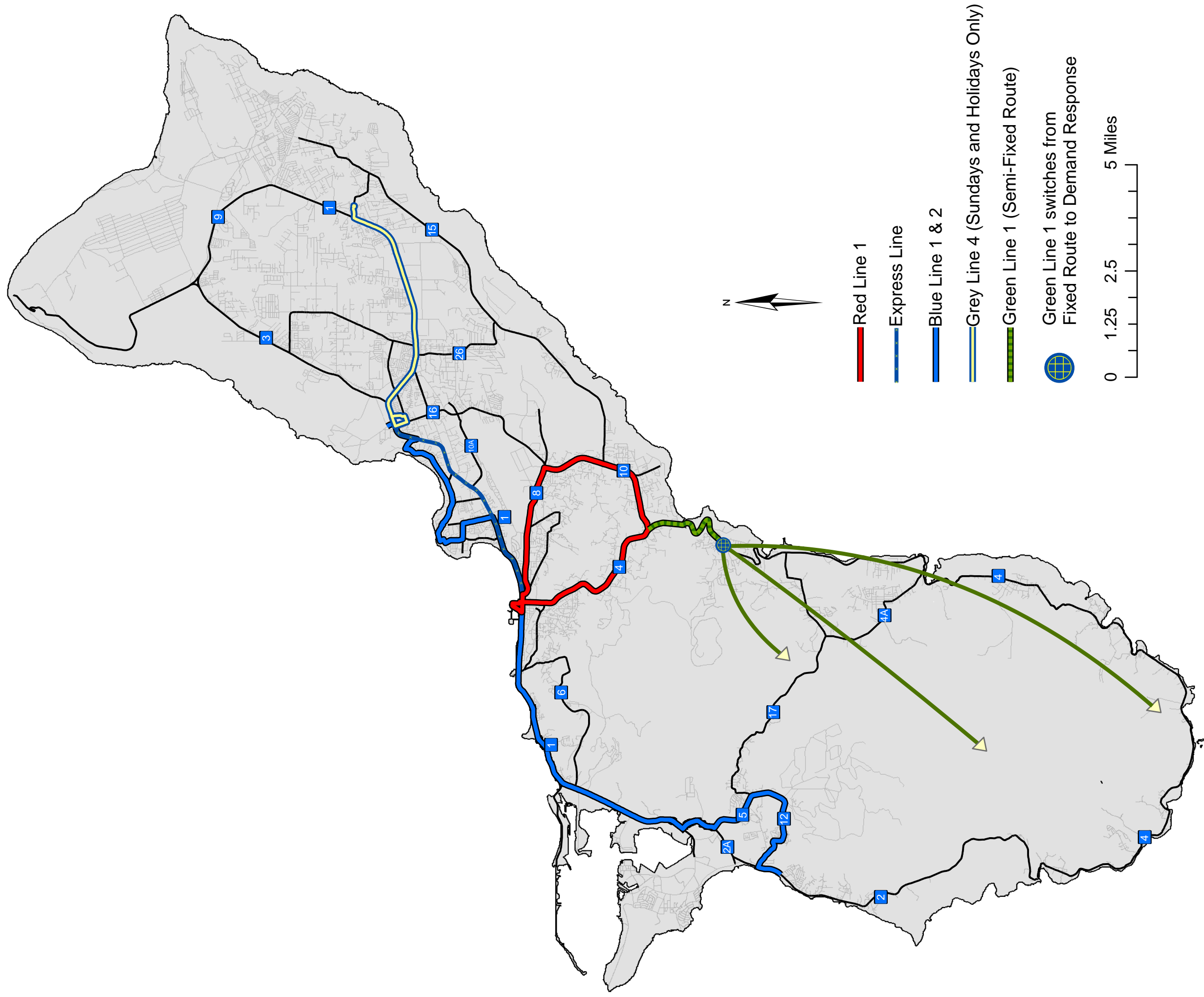
Guam Mass Transit Routes with Demand Response Service Areas



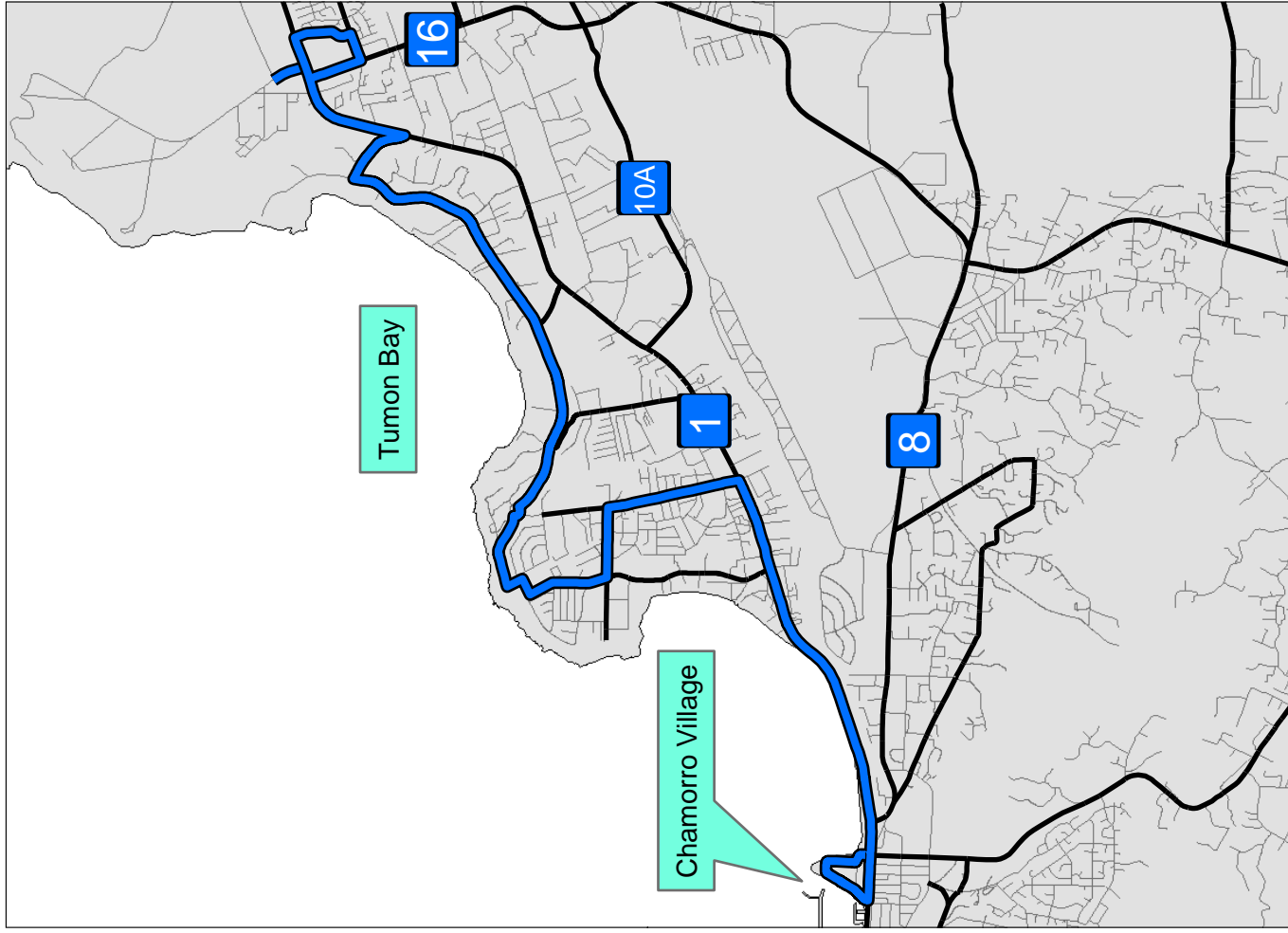
- Apra/Tumon Route 101
- Andersen/Tumon Route 102
- Andersen Shuttle
- N Marine Corps Route 103
- Central Island Route 201
- UofG / Mall Connector Route 202
- Crosstown A & B
- Demand Response Pick Up Location

Demand Response Service
to/from Nearest Fixed Route Only
(not door-to-door)

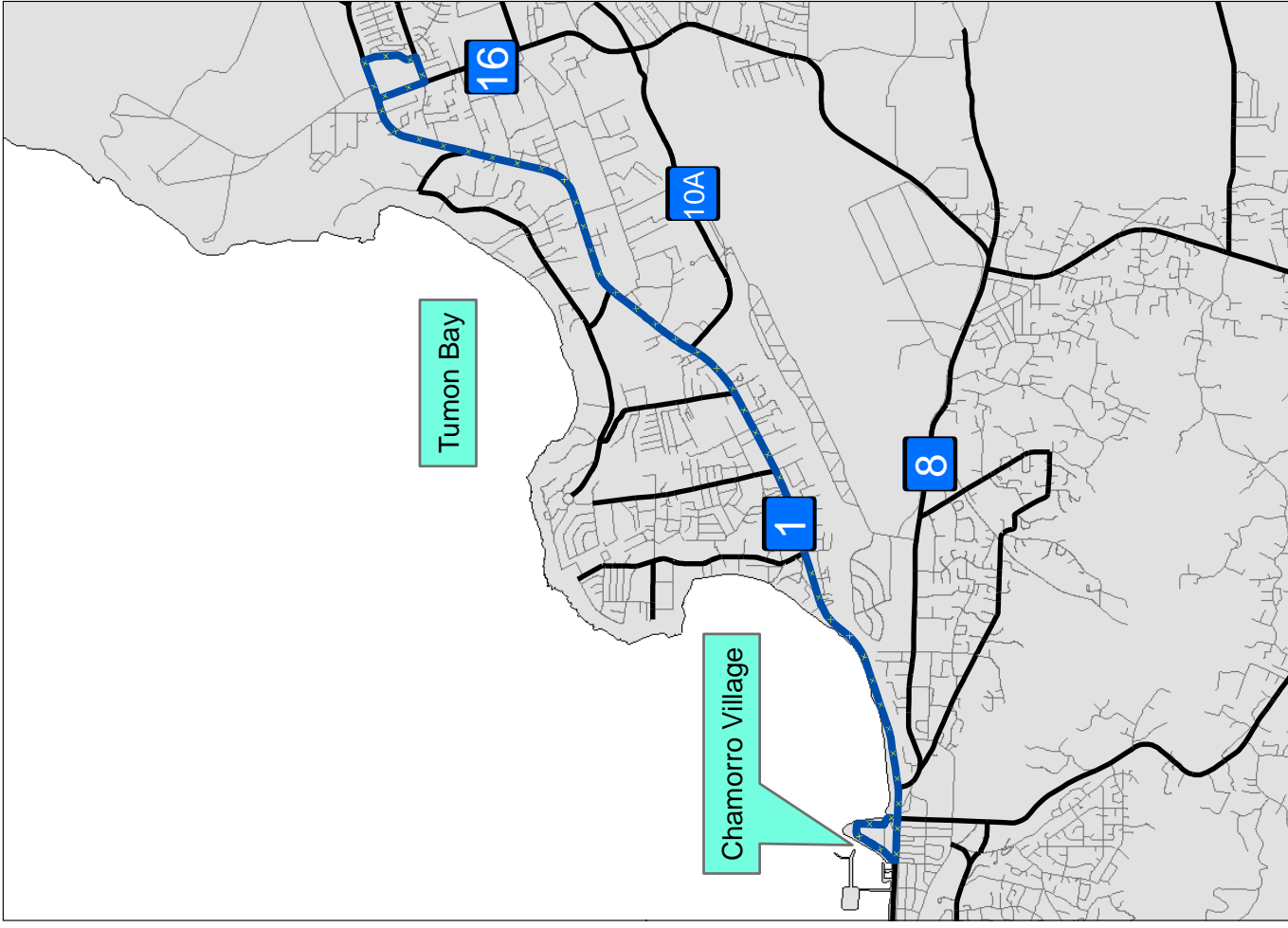




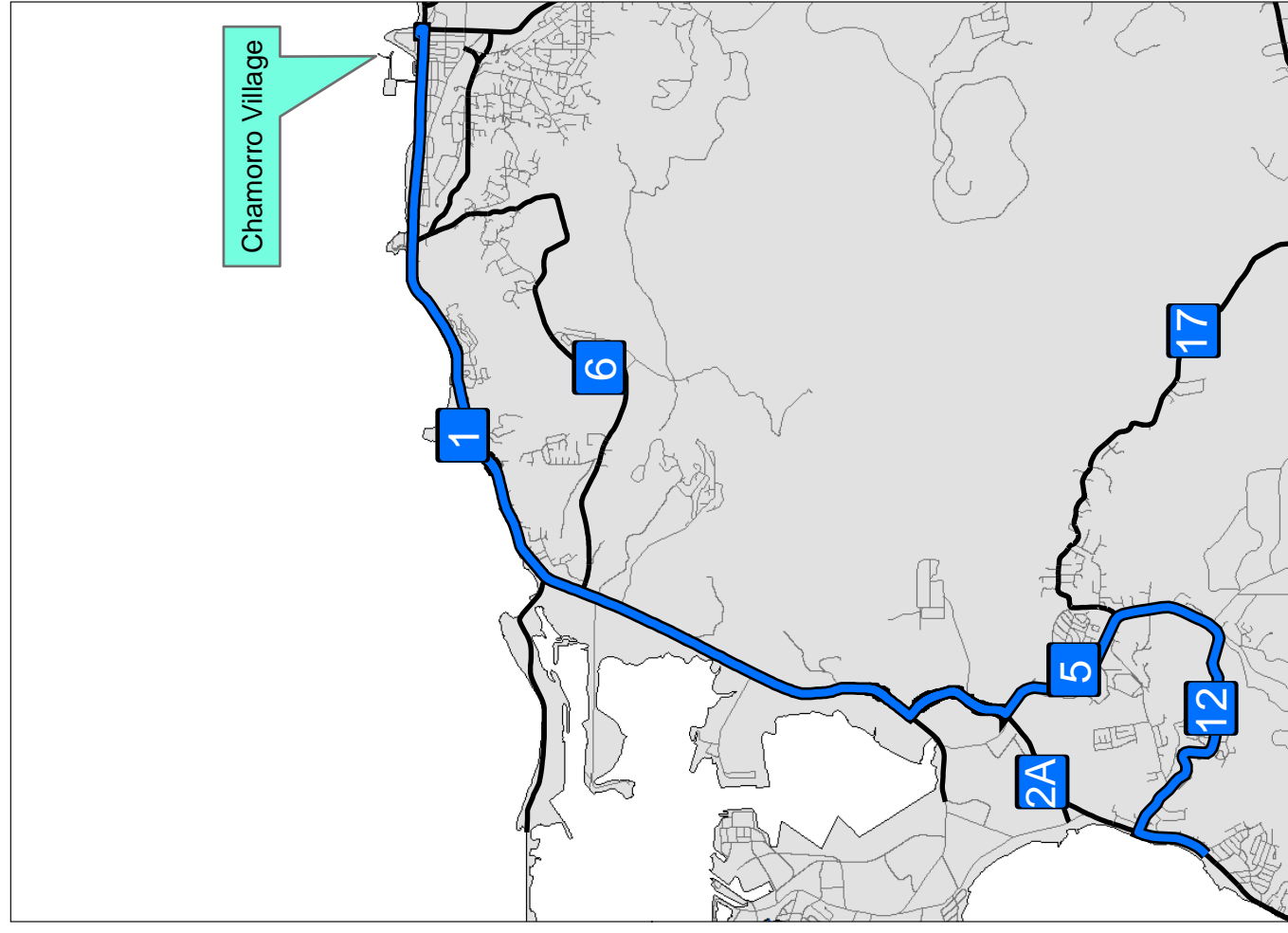
Guam Existing Mass Transit Fixed Route Network



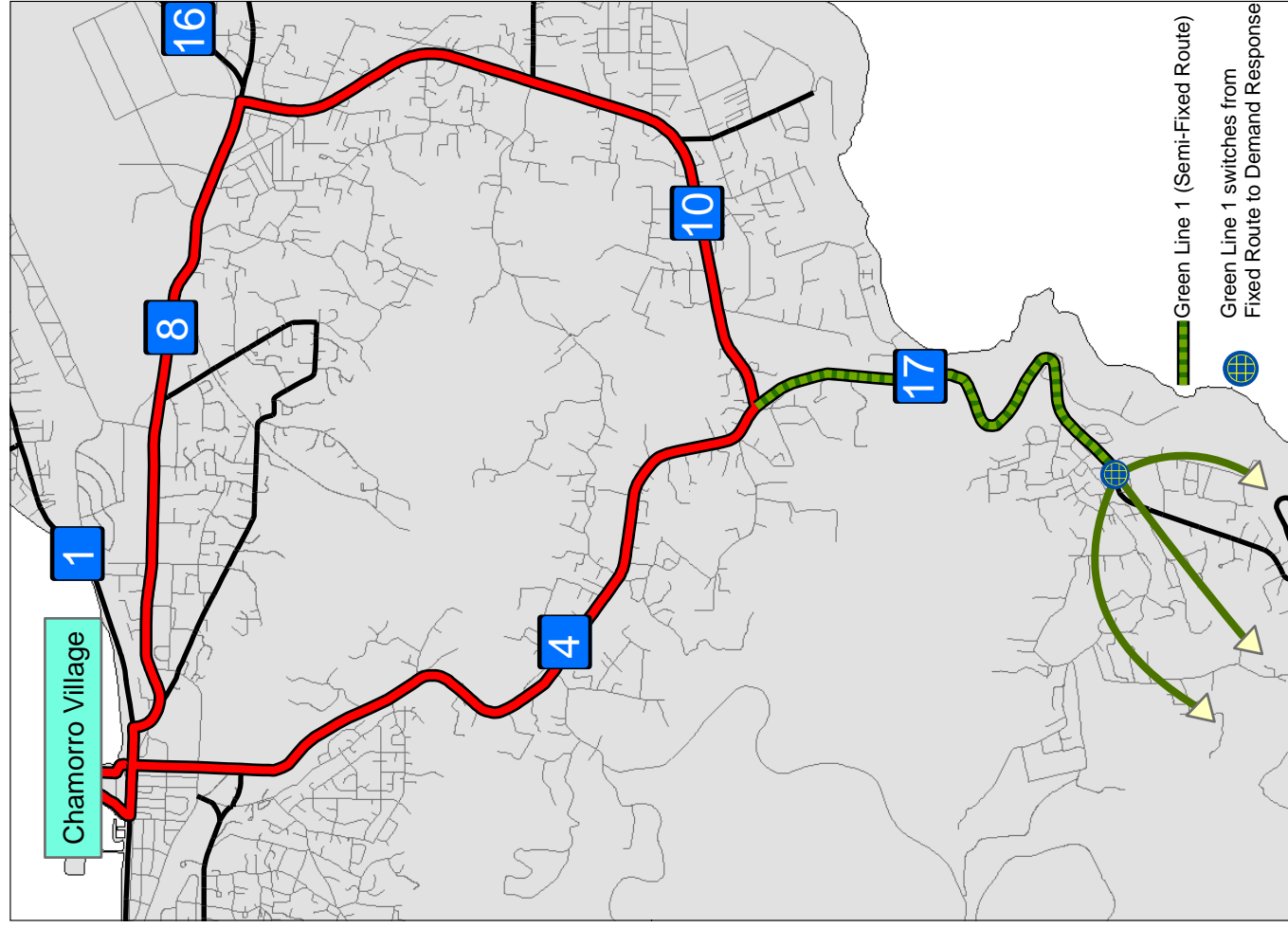
Blue Line 1



Express Line

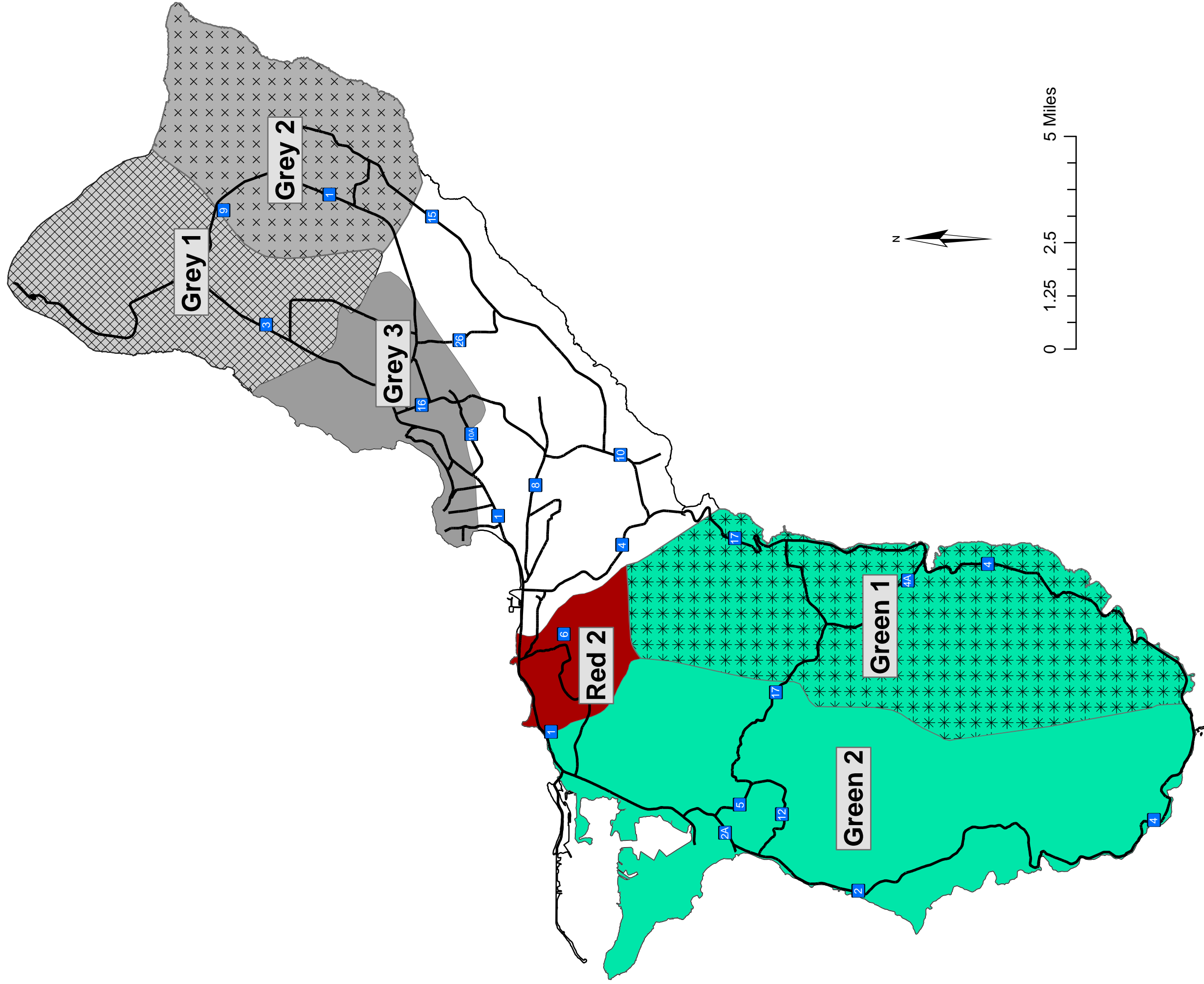


Blue Line 2



Red Line 1 / Green Line 1

Guam Existing Seven Days per Week Mass Transit Fixed Routes



Guam Existing Demand Response Service Areas

