

## Chapter 5: Infrastructure and Utilities

Infrastructure is the fundamental facilities and systems serving a country, city, or another area, including the services and facilities necessary for its economy to function.

In economic terms, infrastructure frequently involves the production of public goods or the support of natural monopolies. Transportation systems, communication networks, sewage, water, and electric systems are all examples of infrastructure. Infrastructure projects can be funded publicly, privately, or through public-private partnerships (Investopedia, n.d.).

A good infrastructure is necessary not only for faster economic growth but also for inclusive growth. Inclusive growth is when the majority of a country's citizens benefit from it. As a result of inclusive growth, poverty will be reduced and income disparity will be reduced in the country.

### Road Transport

The transportation system in the Province of Cavite is predominantly land-based, of which the principal transport mode is road-based.

Cavite has twelve (12) major entrances and exits: the Manila-Cavite Coastal Road via Talaba, City of Bacoor; Cavite Toll Expressway (CAVITEX), Governor's Drive-South Luzon Expressway (SLEX) Carmona Exit, Batangas-Tagaytay/Alfonso via Aguinaldo Highway, Bacoor City-Las Piñas City via Zapote, Sta. Rosa-Tagaytay Road, Alabang-Molino, Bacoor City via Daang Hari, Muntinlupa-Cavite Expressway (MCEX) Susan Height Exit, Molino, Bacoor City-SLEX via Daang Reyna-Victoria Avenue San Pedro Exit, Ternate-Nasugbu, Batangas via Kaybiang Tunnel, Tagaytay-Taal Lake Road, and Tagaytay-Talisay Road (Provincial Road Network Development Plan 2021-2025).

### Roads and Bridges

Road length is reported based on road classification, namely: national road, provincial road, city/municipal road, and barangay road. The province has a total road length of 2,305.5684 kilometers wherein 441.2919 kilometers are national roads while 371.4805 kilometers are provincial roads. City/municipal roads comprised 429.3862 kilometers, while barangay roads have a total length of 1,063.4098 kilometers. It is also presented that 1,598.0577 kilometers are paved with concrete, 460.0023 kilometers are asphalt, asphalted concrete totaled 56.1356 kilometers, and other roads remained earth fill (182.5013 kilometers) and gravel (56.1356 kilometers).

Of the total national road, 108.9690 kilometers are concreted, and 328.2550 kilometers are asphalted. Provincial roads paved with concrete and asphalt were registered at 361.7940 kilometers and 3.4180 kilometers, respectively, while 4.4690 kilometers remained gravel roads.

Meanwhile, 316.7900 kilometers of the city/municipal roads are paved with concrete, 99.7597 kilometers are asphalted, and some portions are gravel roads (6.5919 kilometers) and earth fill (4.6355 kilometers). In addition, the majority of the barangay roads, or 810.5048 kilometers were concreted and 28.5696 kilometers and 45.0748 were asphalted and with gravel, respectively. The remaining roads are Earth fill pavement that measures 177.8658 kilometers.

Furthermore, a bridge that connects roads in different cities and municipalities of the province is also classified as national, provincial, city/municipal, and barangay. The reported total length of the bridge is 8.8715 kilometers. The national bridge comprised a total length of 4.0679 kilometers. The provincial bridge was posted at 1.7995 kilometers. In addition, the barangay and city/municipal bridges registered a combined length of 3.0041 kilometers.

**Table 5.1 Total Length of Roads and Bridges by Classification and Type of Pavement, Province of Cavite: 2021**

Road Classification	Type of Pavement (km)					Total Length (km)	
	Concrete	Asphalt	Gravel	Earthfill	Asphalted Concrete	Roads	Bridges
National	108.9690	328.2550	-	-	437.2240	4.0679	441.2919
Provincial	361.7940	3.4180	4.4690	-	369.6810	1.7995	371.4805
City/Municipal	316.7900	99.7597	6.5919	4.6355	427.7770	1.6092	429.3862
Barangay	810.5048	28.5696	45.0748	177.8658	1,062.0149	1.3949	1,063.4098
<b>TOTAL</b>	<b>1,598.0577</b>	<b>460.0023</b>	<b>56.1356</b>	<b>182.5013</b>	<b>2,296.6970</b>	<b>8.8715</b>	<b>2,305.5684</b>

Source: Special Projects Division, Provincial Planning and Development Office, Trece Martires City

### Motor Vehicle Registration

Vehicle registrations gathered from the Land Transportation Office (LTO), Region IV-A, Lipa City, Batangas are classified into cars, utility vehicles, sports utility vehicles, trucks, buses, motorcycles, tricycles, and trailers. In 2021, these reached a total of 473,811 units, having an increase of 64,414 registrations compared to 2020 data of 409,397 units.

Among the types of vehicles, the highest number of motor vehicle registration was motorcycles with 234,143 units or 49.42 percent share followed by utility vehicles with 18.46 percent or 87,446 units. Cars were registered at 70,184 units (14.81%) while tricycles were posted at 10.03 percent registration or 47,502 units. The registered Sport Utility Vehicles in the province were 6.52 percent or 30,888

units. In addition, trucks, buses, and trailers have a combined registration of 3,512 units or 0.86 percent share.

The total number of registered motor vehicles by district/extension office as also presented in the table shows that Kawit District Office has the highest registration comprising 29.94 percent or 141,875 units, followed by Bacoor City District Office with 19.78 percent of

registration or 93,718 units, and Tagaytay City District Office with 91,272 or 19.26 percent. The City of Dasmariñas District Office recorded 77,059 or 16.26 percent registered vehicles while the Naic District Office posted 27,376 units registered or 5.78 percent. The City of Imus District Office and Carmona District Office has the least registrations with 24,741 (5.16%) and 18,040 (3.81%), respectively.

**Table 5.2 Number of Vehicle Registration by Type, Province of Cavite: 2021**

Type of Vehicle	Number of Vehicle Registration							Total
	Kawit District Office	Imus District Office	Dasmariñas District Office	Carmona District Office	Tagaytay District Office	Bacoor District Office	Naic Extension Office	
Cars	19,026	4,161	8,529	2,689	17,192	15,878	2,709	70,184
Utility Vehicles	21,947	3,948	9,874	2,768	23,746	21,884	3,279	87,446
Sports Utility Vehicles	7,891	1,902	3,573	1,250	7,167	7,977	1,128	30,888
Trucks	757	129	275	133	1,273	462	120	3,149
Buses	66	0	11	2	26	6	8	119
Motorcycles	79,662	10,983	46,890	9,515	34,208	38,440	14,445	234,143
Tricycles	12,423	3,287	7,882	1,674	7,638	8,922	5,676	47,502
Trailers	103	61	25	9	22	149	11	380
<b>TOTAL</b>	<b>141,875</b>	<b>24,471</b>	<b>77,059</b>	<b>18,040</b>	<b>91,272</b>	<b>93,718</b>	<b>27,376</b>	<b>473,811</b>

Source: Land Transportation Office, Region IV-A, Lipa City, Batangas

## Licenses and Permits

Data on driver’s licenses and permits issued totaled 138,526 issuances, by which 99.94% or 138,449 are driver’s licenses while 101 or 0.07% are conductors’ permits. Out of these issuances, 105,974,585 or 76.50% were issued to male applicants while 21.50% or 32,552 were female applicants.

Of the total driver’s licenses issued, 75,131 issuances (54.27%) are new applications while 63,181 applications are renewals (45.73%), 52,098 are issued to male applicants and 11,220 are female applicants. Meanwhile, the conductors’ permit posted 31 new issuances and 70 renewals.

The highest number of driver’s licenses and permit issuances were posted at Cavite Licensing Center in Kawit having 33,573 issuances (24.24%). The City of Bacoor District Office issued 15,394 licenses and permits or 11.11%. Likewise, 15,102 issuances (10.90%) were issued at the Tagaytay City District Office while the City of Dasmariñas District Office had 9.88 percent of the total issuances, or 13,692. A total of 12,831 licenses and permits (9.26%) were issued at the City of Imus District Office, while the Naic Extension Office and Carmona District Office have 12,812 (9.25%) and 7,371 (5.32%) issuances, respectively.

Driver’s License Renewal Offices (DLROs), which cater to the plain renewal of driver’s and conductor’s licenses without alarm or change in information, posted a combined total of 27,751 issuances. DLRO City of Dasmariñas registered 8.16 percent or 11,303 issuances. DLRO City of Imus also posted 8,866 while the DLRO City of Gen. Trias issued 7,582 (5.47%).

Professional license registered 29,639 issuances comprising 1,106 new issuances and 28,533 renewals of which 28,891 are male applicants and 748 are female applicants. Non-professional driver’s licenses issued totaled 66,738 with 31,953 new issuances and 34,785 renewed licenses. Likewise, male applicants totaled 47,314, and female applicants registered at 19,424. In addition, new student permits issued totaled 42,072 wherein 29,694 are issued to male applicants and 12,378 are issued to female applicants.

**Table 5.3 Total Number of Driver’s Licenses and Conductors Permit Issued by District/Extension Offices, Province of Cavite: 2021**

District/Extension Office	Driver’s Licenses & Conductors Permit Issued		
	Male	Female	Total
Cavite Licensing Center	27,248	6,325	33,573
City of Imus District Office	9,492	3,339	12,831
City of Dasmariñas District Office	10,626	3,066	13,692
Carmona District Office	5,712	1,659	7,371
Tagaytay District Office	11,172	3,930	15,102
City of Bacoor District Office	11,464	3,930	15,394
Naic Extension Office	10,034	2,778	12,812
DLRO City of Imus	6,518	2,348	8,866
DLRO City of Dasmariñas	8,310	2,993	11,303
DLRO City of Gen. Trias	5,398	2,184	7,582
<b>TOTAL</b>	<b>105,974</b>	<b>32,552</b>	<b>138,526</b>

Source: Land Transportation Office, Region IV-A, Lipa City, Batangas

**Table 5.4 Number of Driver's Licenses and Conductors Permit Issued by District/Extension Offices, Province of Cavite: 2021**

District/Extension Office	Driver's License					Conductors Permit				
	New		Renewal		Total	New		Renewal		Total
	Male	Female	Male	Female		Male	Female	Male	Female	
Cavite Licensing Center	16,224	4,966	11,008	1359	33,557	9	-	7	-	16
City of Imus District Office	4,663	2,148	4,826	1191	12,828	2	-	1	-	3
City of Dasmariñas District Office	5,235	1,949	5,380	1116	13,680	2	-	9	1	12
Carmona District Office	2,736	1,029	2,975	630	7,370	-	-	9	1	10
Tagaytay District Office	4,568	2,096	6,583	1834	15,081	4	-	17	-	21
City of Bacoor District Office	4,685	2,288	6,779	1642	15,394	-	-	-	-	0
Naic Extension Office	4,861	2,098	5,152	679	12,790	9	1	12	-	22
DLRO City of Imus	3,055	1,282	3,463	1066	8,866	2	-	1	-	3
DLRO City of Dasmariñas	4,809	2,051	3,501	942	11,303	2	-	9	1	12
DLRO City of Gen. Trias	2,965	1,423	2,431	761	7,580	-	-	2	-	2
<b>TOTAL</b>	<b>53,801</b>	<b>21,330</b>	<b>52,098</b>	<b>11,220</b>	<b>138,449</b>	<b>30</b>	<b>1</b>	<b>67</b>	<b>3</b>	<b>101</b>

Source: Land Transportation Office, Region IV-A, Lipa City, Batangas

**Table 5.5 Number of Driver's Licenses Issued by Type of Application by District/Extension Offices, Province of Cavite: 2021**

District/Extension Office	Driver's License												
	New		Professional Renewal		Total	Non-Professional			Student Permit				
	Male	Female	Male	Female		New Male	New Female	Renewal Male	Renewal Female	Total Male	Total Female	Total	
Cavite Licensing Center	1,043	63	6,683	261	8,050	9,103	3,169	4,325	1,098	17,695	6,078	1,734	7,812
City of Imus District Office	-	-	2,165	70	2,235	2,819	1,241	2,661	1,121	7,842	1,844	907	2,751
City of Dasmariñas District Office	-	-	2,599	66	2,665	3,190	1,071	2,781	1,050	8,092	2,045	878	2,923
Carmona District Office	-	-	1,624	62	1,686	997	342	1,351	568	3,258	1,739	687	2,426
Tagaytay District Office	-	-	2,999	27	3,026	2,684	1,219	3,584	1,807	9,294	1,884	877	2,761
City of Bacoor District Office	-	-	3,965	35	4,000	1,731	770	2,814	1,607	6,922	2,954	1,518	4,472
Naic Extension Office	-	-	3,075	38	3,113	2,540	1,077	2,077	641	6,335	2,321	1,021	3,342
DLRO City of Imus	-	-	1,799	50	1,849	-	-	1,664	1,016	2,680	3,055	1,282	4,337
DLRO City of Dasmariñas	-	-	1,817	41	1,858	-	-	1,684	901	2,585	4,809	2,051	6,860
DLRO City of Gen. Trias	-	-	1,122	35	1,157	-	-	1,309	726	2,035	2,965	1,423	4,388
<b>TOTAL</b>	<b>1,043</b>	<b>63</b>	<b>27,848</b>	<b>685</b>	<b>29,639</b>	<b>23,064</b>	<b>8,889</b>	<b>24,250</b>	<b>10,535</b>	<b>66,738</b>	<b>29,694</b>	<b>12,378</b>	<b>42,072</b>

Source: Land Transportation Office, Region IV-A, Lipa City, Batangas

## Irrigation

Irrigation systems can be classified into three categories: national, communal, and private.

National irrigation systems (NIS) are large and medium schemes. The National Irrigation Administration (NIA) operates and maintains the NIS. Beneficiaries were charged their irrigation service fee for the services rendered in the delivery of water. In the 1980s, joint management of portions of national systems with irrigators associations (IA) was affected.

Communal irrigation systems (CIS) are small-scale schemes constructed with the participation of farmer-beneficiaries through their IAs. The operation and maintenance (O&M) of CIS is turned over to IAs upon project completion, subject to a cost recovery arrangement. Farmers amortize the chargeable cost for a period not exceeding 50 years at 0% interest. The repayment scheme is pre-arranged and acceptable to both NIA and the IA. Another scheme is the payment of 30% equity equivalent to 30% of the total direct cost, which is to be paid annually.

Private irrigation systems are those constructed, operated, and maintained by private individuals or groups with or without technical assistance from NIA or other government agencies ([www.nia.gov.ph](http://www.nia.gov.ph)).

## NIA Cavite Report

The reported firm-up service area (FUSA) in 2021 totaled 6,766.09 hectares, of which 5,328.71 hectares comprised the national irrigation system while 1,437.38 hectares are communal irrigation systems. The irrigation systems benefitted 4,272 farmers.

According to NIA Cavite (2021), the National Irrigation System's FUSA decreased due to rapid conversion, and some have been idle for years. Moreover, some of the Cavite dams have no more areas to restore irrigation and become non-operational. The system covers the cities of Bacoor, Dasmariñas, General Trias, and Imus, and the municipalities of Maragondon, Naic, Tanza, and Ternate. Of the total area, 5,140.16 hectares are operational while 652.76 hectares are non-operational.

The Balayungan River Irrigation System (RIS) in Naic has the largest Firm-up Service Area (FUSA) for having 326.68 ha. or 21.72% of the National Irrigation System's FUSA. The same also serves most stakeholders for having 694 farmer-beneficiaries. The Matanda RIS also serves a number of farmer beneficiaries-694 in its 667 ha. or 12.52% of the operational National Irrigation System's FUSA in the Province. All other National Irrigation Systems

FUSA does not exceed 500 ha. each of which serves a varying number of farmer beneficiaries.

For the Operational Communal Irrigation System's (CIS) FUSA, Narvaez CIS has the largest area with 150 ha. or 17.17% of the total CIS while the Gen. Aguinaldo CIS has

16.14% or 141 ha. The rest of the Operational Communal Irrigation System's (CIS) FUSA in the province does not exceed 100 ha. each. Both the CIS in Carmona (Lantic I and II) with the Magay CIS in Maragondon have the most farmer beneficiaries having 75, 70, and 60 each, respectively.

**Table 5.6 National Irrigation System's Firmed-up Service Area, Province of Cavite: 2021**

System	City/Municipality	Firmed-Up Service Area (FUSA) (Has.)			Farmer Beneficiaries
		Total	Operational	Non-operational	
Mabacao Pump	Maragondon	35	35	-	35
Kay-Akle RIS	Ternate	18	18	-	14
Embarcadero RIS	Maragondon	326.68	326.68	-	229
	Ternate	22	22	-	18
Balayungan RIS	Maragondon	201.28	201.28	-	145
	Naic	1131.85	1,131.85	-	694
Culong-culong RIS	Naic	422.56	347	75.56	228
Sahing RIS	Naic	100.66	100.66	-	80
Tres Cruces RIS	Tanza	468.95	468.95	-	140
Matanda RIS	Tanza	667	667	-	483
Bankud-Vargas RIS	Gen. Trias	215.34	215.34	-	135
Plucena-Bayan RIS	Gen. Trias	157	157	-	85
Butas Lawang Bato RIS	Gen. Trias	307	307	-	278
Butas RIS	Gen. Trias	185	185	-	151
Butas Marcelo RIS	Gen. Trias	77	77	-	85
Butas Palanas RIS	Gen. Trias	147	147	-	83
San Augustine RIS	Imus	229.7	229.7	-	120
Pasong-Kastila RIS	Imus	289.73	289.73	-	140
Julian RIS	Imus	106.29	64	42.29	53
Luksuhin RIS	Dasmarinas	-	-	-	-
Makuling RIS	Dasmarinas	28	28	-	86
Embarcadero RIS	Dasmarinas	41	41	-	29
Baluctot RIS	Dasmarinas	101.18	101.18	-	75
Molino RIS	Bacoor	50.49	50.49	-	27
<b>TOTAL</b>		<b>5,328.71</b>	<b>5,210.86</b>	<b>117.85</b>	<b>3,413</b>

Source: National Irrigation Administration, Naic, Cavite

**Table 5.7 Communal Irrigation System's Firmed-up Service Area, Province of Cavite: 2021**

System	City/Municipality	Firmed-Up Service Area (FUSA) (Has.)			Farmer Beneficiaries
		Total	Operational	Non-operational	
<b>GRAVITY</b>					
Malinta CIS	Dasmarinas	-	-	-	-
Lantic I CIS	Carmona	99	-	99	75
Lantic II CIS	Carmona	55	-	55	70
Gen Aguinaldo CIS	Gen Aguinaldo	148.11	141	7.11	43
Narvaez CIS	Gen. Aguinaldo	150	150	-	38
Golova CIS	Ternate	60	60	-	24
Magay CIS	Maragondon	270	76	194	62
<b>PUMP</b>					
Kawit PCIS	Kawit	-	-	-	-
San Nicolas II PIS	Bacoor	52	-	52	20
Bacoor II PIP	Bacoor	10	-	10	10
Langkaan PCIP	Dasmarinas	24	-	24	-
F.De Castro PCIS	Gen. M. Alvarez	32	32	-	20
Olaez Kua PCIP	Gen. M. Alvarez	43	43	-	37
Pasong Saguing PCIS	Gen.M. Alvarez	-	-	-	-
Lumil & Tartaria PCIS	Silang	40	12	28	14
Maduya PCIS	Carmona	34	-	34	7
Halang PCIP	Amadeo	29	-	29	30
Pacheco PCIS	Magallanes	45.2	45.2	-	11
Palangue PCIS	Naic	55	55	-	35
Halang PIP	Naic	20	20	-	0
Tua PIP	Magallanes	43	43	-	20
Alfonso PIP	Alfonso	6.15	3	3.15	2
Pangil PIP	Amadeo	6	6	-	2
Pulo PIP	Indang	9.2	4	5.2	2
Pinagsanhan PIP	Maragondon	4.22	2	2.22	1
Dagatan PIP	Amadeo	12	4	8	8
Maymangga PIP	Amadeo	12	4	8	8
Lumipa PIP	Gen. Aguinaldo	6	3	3	15
Ramirez PIP	Magallanes	19	17	2	-

System	City/Municipality	Firmed-Up Service Area (FUSA) (Has.)			
		Total	Operational	Non-operational	Farmer Beneficiaries
San Agustin PIP	Magallanes	11	11	-	40
Urdaneta PIP	Magallanes	18.5	18.5	-	35
Medina PIP	Magallanes	15	15	-	11
Pook PIP	Silang	12	12	-	56
Biluso PIP	Silang	13	13	-	10
Mahabang Kahoy Cerca SIP	Indang	12	12	-	56
Pinagpala SPIS	Naic	-	-	-	0
Binawan SIP	Amadeo	12	12	-	13
Halang (Purok 1) PIP	Amadeo	12	12	-	18
Carasuchi SIP	Indang	-	-	-	-
Harasan SIP	Indang	12	12	-	-
Sabang SIP	Magallanes	12	12	-	16
Bendita SIP	Magallanes	-	-	-	18
Kayhabol SIP	Magallanes	12	12	-	12
Santol SIP	Silang	12	12	-	20
Bulalo SIP	Tagaytay City	-	-	-	-
<b>TOTAL</b>		<b>1,437.38</b>	<b>873.70</b>	<b>563.68</b>	<b>859.00</b>

Source: National Irrigation Administration, Naic, Cavite

## Power

A substation is a high-voltage electrical system that can be used to regulate apparatus, generators, and electrical circuits, among others. The main function of substations is to convert AC (alternating current) to DC (direct current). Some substations are small in size, with an integrated transformer and associated switches. Other substations are massive, containing a variety of transformers, equipment, circuit breakers, and switches (Elprocus, n.d.). Moreover, between the generating station and the consumer, electric power may flow through several substations at different voltage levels. Presented below is the existing substation in the province and its location.

**Table 5.8 Existing Power Substations, Province of Cavite**

Substation	Location
Abubot Substation	Aguinaldo Hi-way, Abubot, City of Dasmariñas
Amadeo Substation	Provincial Road, Banaybanay, Amadeo
Bacoor Substation	Aguinaldo Highway, Habay, City of Bacoor
FCIE Substation	Langkaan, City of Dasmariñas
Gateway Substation	Gateway Business Park, Javalera, City of Gen. Trias
GMA Substation	Kabilang Baybay, General Mariano Alvarez
Imus Substation	Aguinaldo Highway, Anabu, City of Imus
Puerto Azul Substation	Puerto Azul, Ternate
Silang Substation	Aguinaldo Highway, San Vicente, Silang
Tagaytay Substation	Aguinaldo Highway, Buho, Silang
Tagaytay West Substation	National Road, Maharlika West, Tagaytay City
Tanza Substation	National Road, Amaya, Tanza
TMC II Substation	National Road, Tanauan (Quintana), Tanza
Dasmariñas Substation	Aguinaldo Highway, San Agustin I, City of Dasmariñas
Rosario Substation	Along Gen. Trias Drive, Rosario
Ternate Substation	Along Governor's Drive, Ternate

Source: MERALCO, Ortigas Avenue, Pasig City

## Communication

Based on records from National Telecommunications Commission, Region IV-A, Batangas City, telephone service providers in Cavite are the Philippine Long-Distance Telephone Company (PLDT) and Innove (Globetel). However, data are not available regarding the number of subscribers. Cellular Mobile Telephone System (CMTS) providers and the number of cell sites, radio stations, and registered radio groups operating in the province are presented in Tables 5.8, to 5.10, respectively.

Philippine Postal Corporation (PHLPost), is a government-owned and controlled corporation responsible for providing postal services in the Philippines including the collection, handling, transportation, delivery, forwarding, returning, and holding of mail, parcels, and like materials, among others (Republic Act No. 7354). Data gathered from PHLPost, Manila revealed that despite the existence of modern means of communication, there are still domestic and international mail being handled by post offices located in every city/municipality of the province. The volume of these mails is shown in Table 5.11.

It can be seen that the municipality of General Emilio Aguinaldo received their mail through the municipality of Alfonso while the mail for Magallanes, Maragondon, and Ternate is being delivered in Naic (*Post Office, Alfonso*). The FCIE Post Office was closed down this year but was replaced by the Dasmariñas Central Post Office and *Bagong Bayan* Office strategically placed for accessibility and functionality.

In these offices, mails posted are mail received from windows, counters, lobby drop boxes, and street boxes while mails delivered are mails distributed in the locality via letter carriers through the use of the post office (P.O.) boxes (*psa.gov.ph*).



**Table 5.9 Cellular Mobile Telephone System (CMTS) Providers and Number of Cell Sites by City/Municipality, Province of Cavite: 2021**

City/Municipality	Number of Cell sites			Total
	Smart Communications Inc./DMPI	Digitel Mobile Philippines, Inc.	Globe Telecom, Inc.	
<b>1st District</b>	<b>30</b>	<b>2</b>	<b>35</b>	<b>67</b>
Cavite City	7	1	12	20
Kawit	11		10	21
Noveleta	6		3	9
Rosario	6	1	10	17
<b>2nd District</b>	<b>58</b>	<b>0</b>	<b>41</b>	<b>99</b>
City of Bacoor	58		41	99
<b>3rd District</b>	<b>36</b>	<b>0</b>	<b>46</b>	<b>82</b>
City of Imus	36		46	82
<b>4th District</b>	<b>75</b>	<b>1</b>	<b>50</b>	<b>126</b>
City of Dasmariñas	75	1	50	126
<b>5th District</b>	<b>65</b>	<b>2</b>	<b>74</b>	<b>141</b>
Carmona	9		11	20
General Mariano Alvarez	4		2	6
Silang	52	2	61	115
<b>6th District</b>	<b>29</b>	<b>5</b>	<b>29</b>	<b>63</b>
City of General Trias	29	5	29	63
<b>7th District</b>	<b>47</b>	<b>4</b>	<b>68</b>	<b>119</b>
Amadeo	11		14	25
Indang	16		21	37
Tanza	11		19	30
Trece Martires City	9	4	14	27
<b>8th District</b>	<b>63</b>	<b>1</b>	<b>94</b>	<b>158</b>
Alfonso	11		15	26
General Emilio Aguinaldo	3		4	7
Magallanes	4		12	16
Maragondon	3		9	12
Mendez-Nuñez	4		6	10
Naic	6		17	23
Tagaytay City	29	1	26	56
Ternate	3		5	8
<b>TOTAL</b>	<b>403</b>	<b>15</b>	<b>437</b>	<b>855</b>

Source: National Telecommunications Commission (NTC), Region IV-A, Batangas City

**Table 5.10 Operating Radio Stations, Province of Cavite: 2021**

Operating Agency	Location	Call-Sign	Assigned Frequency
Delta Broadcasting System	San Rafael Tres, Noveleta, Cavite	DWXI-AM	1314 kHz.
De La Salle University (DLSU) Manila	DLSU Compound, Dasmariñas, Cavite	DWSU-FM	95.9 mHz
Manila Broadcasting Company	Kristoran Bldg., Buro 1, Area B, Dasmariñas Cavite	-	105.5 MHz
	323 Daong Amaya Dos, Tanza Cavite	-	96.7 MHz.

Source: National Telecommunications Commission (NTC), Region IV-A, Batangas City

**Table 5.11 Registered Radio Groups and Location of Base Station, Province of Cavite: 2021**

Name of Group/Club	Location of Base Station
<b>Amateur Radio Group</b>	
Cavite Amateur Communication Enthusiast, Inc. (DXI-ACE)	City of Dasmariñas
Communications World of Amateur Phils., Inc.	City of Bacoor
Cavite Ace, Inc.	City of Dasmariñas

Source: National Telecommunications Commission (NTC), Region IV-A, Batangas City

**Table 5.12 Volume of Mails Posted and Delivered by Post Offices, Province of Cavite: 2021**

Post Office	Posted			Total	Delivered			Total
	Domestic	International			Domestic	International		
<b>1st District</b>	<b>35,793</b>	<b>2,801</b>	<b>38,594</b>	<b>302,445</b>	<b>47,567</b>	<b>350,012</b>		
Cavite City Post Office	18,166	1,310	19,476	74,421	10,827	85,248		
Kawit Post Office	2,298	523	2,821	90,549	10,882	101,431		
Noveleta Post Office	728	66	794	21,953	640	22,593		
Rosario Post Office	14,601	902	15,503	115,522	25,218	140,740		
<b>2nd District</b>	<b>115,849</b>	<b>3,384</b>	<b>119,233</b>	<b>1,518,613</b>	<b>29,431</b>	<b>1,548,044</b>		
City of Bacoor Post Office	108,232	2,717	110,949	900,497	19,740	920,237		
SM Bacoor Post Office	234	2	236	-	-	-		
Molino Post Office	7,383	665	8,048	618,116	9,691	627,807		
<b>3rd District</b>	<b>123,285</b>	<b>3,188</b>	<b>126,473</b>	<b>1,343,719</b>	<b>10,498</b>	<b>1,354,217</b>		
City of Imus Post Office	117,582	2,769	120,351	1,343,289	10,498	1,353,787		
Robinsons Imus Post Office	1,000	280	1,280	-	-	-		
Bahayang Pag-asa Post Office	4,703	139	4,842	430	-	430		

Post Office	Posted			Total	Delivered		Total
	Domestic	International			Domestic	International	
<b>4<sup>th</sup> District</b>	<b>77,189</b>	<b>5,341</b>	<b>82,530</b>	<b>1,362,973</b>	<b>62,331</b>	<b>1,425,304</b>	
City of Dasmariñas City Hall Post Office	19,563	1,030	20,593	-	-	-	
City of Dasmariñas City Central Post Office	35,542	2,506	38,048	1,362,973	62,331	1,425,304	
City of Dasmariñas Bagong Bayan Office	15,626	1,180	16,806	-	-	-	
FCIE Post Office			<b>C L O S E D</b>				
Robinson Post Office	6,458	625	7,083	-	-	-	
<b>5<sup>th</sup> District</b>	<b>60,199</b>	<b>2,347</b>	<b>62,546</b>	<b>993,948</b>	<b>11,199</b>	<b>1,005,147</b>	
Carmona Post Office	10,560	795	11,355	525,996	2,208	528,204	
General Mariano Alvarez Post Office	27,281	794	28,075	154,049	3,442	157,491	
Silang Post Office	22,358	758	23,116	313,903	5,549	319,452	
<b>6<sup>th</sup> District</b>	-	-	-	-	-	-	
City of General Trias Post Office	-	-	-	-	-	-	
Mangahan Post Office	-	-	-	-	-	-	
<b>7<sup>th</sup> District</b>	<b>85,195</b>	<b>3,477</b>	<b>88,672</b>	<b>907,653</b>	<b>48,425</b>	<b>956,078</b>	
Amadeo Post Office	1,567	96	1,663	105,052	4,090	109,142	
Indang Post Office	5,570	324	5,894	92,034	3,836	95,870	
Tanza Post Office	17,780	1,312	19,092	374,356	10,776	385,132	
Trece Martires City Post Office	60,278	1,745	62,023	336,211	29,723	365,934	
<b>8<sup>th</sup> District</b>	<b>89,813</b>	<b>6,255</b>	<b>96,068</b>	<b>863,927</b>	<b>45,023</b>	<b>908,950</b>	
Alfonso Post Office	10,449	220	10,669	57,488	3,983	61,471	
Gen. E. Aguinaldo Post Office			<b>U N D E R A L F O N S O</b>				
Naic Post Office	13,058	911	13,969	380,557	14,417	394,974	
Magallanes Post Office			<b>U N D E R N A I C</b>				
Maragondon Post Office							
Mendez-Núñez Post Office	2,360	344	2,704	15,971	1,810	17,781	
Tagaytay City Post Office	63,946	4,780	68,726	409,911	24,813	434,724	
Termate Post Office			<b>U N D E R N A I C</b>				
<b>Total</b>	<b>587,323</b>	<b>26,793</b>	<b>614,116</b>	<b>7,293,278</b>	<b>254,474</b>	<b>7,547,752</b>	

Source: Philippine Postal Corporation, Manila

## Drainage and Flood Control

As one of the province's efforts to mitigate hazard damage, Cavite undertakes the construction of retarding basins within the locality. Through these basins, the province aims to alleviate flood damage in the lowlands areas and reduce the potential negative impacts of floods on the economy and community.

As of 2021, the construction of Imus Retarding Basin was successfully completed while there is an ongoing construction of four flood control facilities in the province. These are the Bacoor Retarding Basin, General Trias Retarding Basin I (GTRB-I), General Trias Retarding Basin II (GTRB-II), and the Cavite Industrial Area Flood Risk Management Project (CIA-FRIMP). These retarding basins are constructed as a preventive measure against the possible hazards caused by floods.

The two retarding basins in General Trias are massive flood control structures and are considered the first retarding basins in the Philippines.

CIA-FRIMP covers 148.8 square kilometers of the San Juan River Basin and 4.7 square kilometers of the Maalimango Drainage Area and will cost P7.1 billion funded through the help of the Japan International Cooperation Agency (JICA). It will be implemented within nine localities of Cavite; namely, Kawit, Noveleta, Rosario, the City of General Trias, and the City of Imus.

On the other hand, Imus Retarding Basin is operating with a 118-meter in length overflow dike, 1.3 kilometers of the surrounding dike, and 1.1 kilometers of separating dike,

standing an average of three meters in height. For Bacoor Retarding Basins, 250,000 cubic meters of soil will be excavated to dig the seven meters in depth within 9.2 hectares of land and construct 30 meters of overflow dike, 1.06 kilometer of surrounding dike, and 590 meters of separating dike, standing an average of 1 meter.