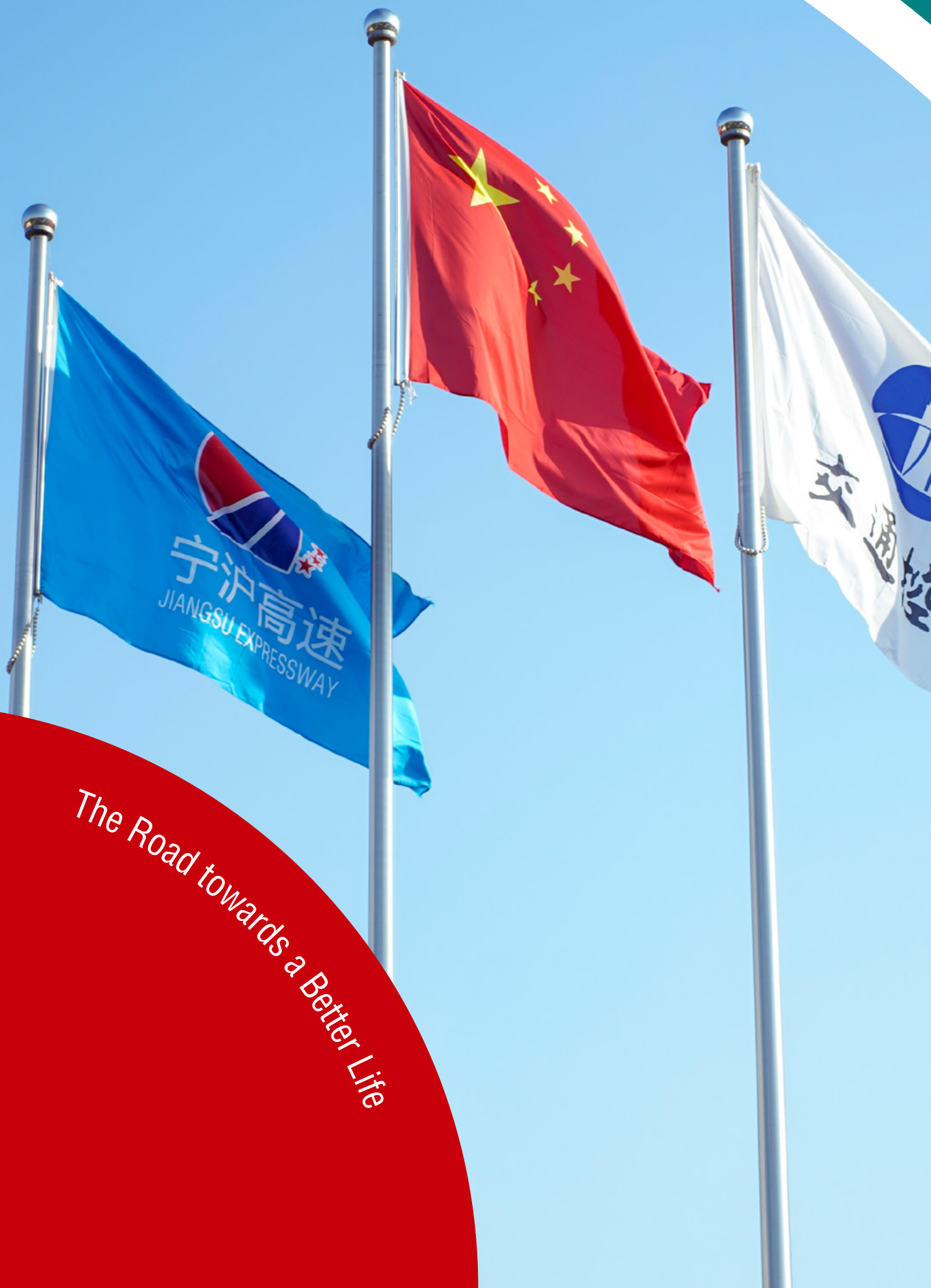




JIANGSU EXPRESSWAY COMPANY LIMITED

2021





The Road towards a Better Life



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Message from the Chairman



Cheng Xiaoguang

Secretary of the Party Committee and Chairman
Jiangsu Expressway Company Limited



Actions make visions successful. 2021 marked the start of China's 14th Five-Year Plan (2021-2025), the key to the three-year reform of state-owned enterprises, and a crucial year for seeking high-quality development. We united as one and forged ahead to overcome difficulties and maintain a stable and healthy development trend. Over the past year, we have made steady progress in economic performance, transformation and upgrading, achieved new breakthroughs in our core business, and pushed ahead with key reforms, thus better catering to public demands for "better travel", and building a sustainable future with all stakeholders.

Advancing courageously to gain new edges for development.

We actively implemented our five strategies – industrial ecology, international business, capital synergy, market-oriented operation and digital operation and management. Focusing on our main responsibilities and core business, we have deepened the internal reform to unleash vitality and internal driving forces for high-quality development. We witnessed a continuous rise in economic performance: our business revenue in 2021 totaled RMB 13.793 billion, a year-on-year (YoY) growth of 71.71%; the total profits reached RMB 5.42 billion, with a YoY growth of 67.60%. We continuously improved our corporate governance to live up to new regulatory requirements, and improved the quality of information disclosure while managing investor relations through various means. Thanks to our improved corporate governance as a listed company, we were granted the Tianma Award – Best Board of Directors at the 12th China Listed Company Investor Relations Selection and 2021 Golden Quality in ESG Award for Listed Companies.

Endeavoring for new progress on the new journey.

We advanced project construction and successfully completed the Changyi Expressway, Yichang Expressway and Wufengshan River Crossing Channel. We made key investments in major transportation projects such as South Suzhou-Wuxi-Changzhou Expressway and Longtan River Crossing Channel, strengthening the strategic role of the expressway network in regional development. We mobilized joint efforts for a sounder expressway network. The newly completed Wufengshan River Crossing Channel, China's first "future expressway", runs through the central axis of Jiangsu Expressway. Taihu Tunnel, the second main artery connecting Shanghai and Nanjing, goes across Lake Taihu and completes the envisioned provincial expressway network based on a combination of radial and grid patterns. To polish our brand as a maintenance service provider and comprehensively improve our capabilities of smart management and maintenance, we implemented a cross-provincial, long-distance and intensive maintenance project for the first time, minimizing the negative effects of roadwork on Shanghai-Nanjing Expressway and neighboring roads. The first attempt on the paving approach featuring "pouring at lower level + epoxy asphalt overlay" and "unmanned rolling" was made to extend the life of steel bridges. Besides, we pioneered a pilot program in Jiangsu province to harden the median dividers, having significantly reduced safety risks caused by on-the-road afforestation and pruning.

Working together for new contributions in the new chapter of development.

Following the social responsibility philosophy of "guarding safety and marching towards the future", we deepened cooperation with partners and led industrial development hand in hand. We cared for employees and

shared the achievements with them. Devoted to public welfare, we facilitated the building of better communities. For example, during COVID-19, we helped relieve the operation pressure of tenants in our service areas and ease the burden on their shoulders, thus ensuring smooth operation and basic functions of the service areas. Together with Nanjing Forestry University, we founded a graduate workstation and set up a technological innovation fund to provide strong support to our high-quality development. In 2021, our technological achievements, "Key Technologies and Applications in Wufengshan New-Generation Expressway" and "25 Years of Comprehensive Technology R&D and Practices of High-efficiency Asphalt Pavement Maintenance of Shanghai-Nanjing Expressway" won the Grand Prize and the First Prize of China Highway and Transportation Society respectively. In line with the strategy of "talent-powered development", we endeavored to build a knowledgeable, skilled and innovative technical talent pool, and provide employees with clear career development paths. 263 employees took the vocational qualification exam for Level 5 Hindrance Clearance, and 47 employees were assessed and promoted in 2021. In response to the requirements of the country and industry on environmental issues, including climate change, we included environmental factors into our operation of expressways. We conducted research projects, such as *Low-carbon Operation of Expressways and Technologies Contributing to Carbon Neutrality*, and expanded the applications of green and high-efficiency materials such as recovered geothermal energy, striving for new breakthroughs in green maintenance of roads and bridges. In active response to the call of the CPC Jiangsu Provincial Committee, Jiangsu Provincial People's Government, and the State-Owned Assets Supervision and Administration Commission of Jiangsu Provincial Government, we took targeted actions to support rural vitalization. We invested RMB 570,000 to aid the development of Shuangxi Village, Dazou Town, Xinghua City, and spent RMB 400,000 to support Guannan County. Engaging in community-based charity, we provided volunteering services and launched public welfare activities like "Donation Day" and "Clothes Donation" to send warmth and love. In 2021, we were nominated for the Top Ten Youth Volunteer Projects in Jiangsu Province in 2020.

Practice enriches knowledge, while knowledge perfects practice. We will follow the guidance of Xi Jinping Thought on Socialism with Chinese Characteristics for a New Era, adhere to socialism with Chinese characteristics and rise to new challenges. Striving to be the model and pacesetter in the industry, we will embark on the new journey of building a modern, strong, prosperous, and graceful Jiangsu Province with high-quality growth as a tribute to the grand opening of the 20th National Congress of the CPC.

About Us

Company Profile

Established in August 1992, Jiangsu Expressway Company Limited is the only joint stock company listed in both Shanghai and Hong Kong under the control of Jiangsu Communications Holding Company Limited (hereinafter referred to as “Jiangsu Communications Holdings”), and the only listed road and bridge company in Jiangsu Province. The Company is principally engaged in the investment, construction, operation and management of Shanghai-Nanjing Expressway, and toll roads within Jiangsu Province owned or invested in by the Group, as well as the development of other fields (including transportation plus, and industry promotion with finance). Currently, the Company is expanding its businesses such as infrastructure construction, and financial investment to gradually realize the transition of industrial upgrading and coordinated development of auxiliary business. As of 31 December 2021, the Company had six wholly-owned subsidiaries, four non-wholly-owned subsidiaries and twelve joint ventures, with total assets amounting to approximately RMB 67.662 billion*, net assets amounting to approximately RMB 30.23 billion* and a total of 3,862 employees.

Major Honors and Awards in 2021

Honor/Award	Winner	Issuer
Excellence Award at the International Convention on Quality Control Circles	Jiangsu Expressway Company Limited	International Convention on Quality Control Circles
National Award for Modern Management Innovation of Communication Enterprises	Jiangsu Expressway Company Limited	China Association of Communication Enterprise Management
2021 Gold Quality in ESG Award for Listed Companies	Jiangsu Expressway Company Limited	Shanghai Securities News
Tianma Award – Best Board of Directors at the 12th China Listed Company Investor Relations Selection	Jiangsu Expressway Company Limited	Tianma Award Forum of China Listed Company Investor Relations Selection
National Outstanding Quality Management Group and Achievement	Changzhou Management Office	China Association of Communication Enterprise Management
Five-Star On-Site Management Award in Jiangsu Province	Danyang North Toll Station of Wufengshan Management Office	Jiangsu Association for Quality Management
2021 Reliable Team in Transportation Quality Management in Jiangsu Province	Suzhou Toll Station	Jiangsu Association for Quality Management
GoldenBee Excellent CSR Report 2021 Customer Engagement Disclosure Award	Jiangsu Expressway Company Limited	China Sustainability Tribune

Key Performance



Note 1: Financial information such as total assets, net assets, business revenue, net profit attributed to the Company's owners and return on investment covers Jiangsu Expressway and its six wholly-owned subsidiaries and four non-wholly-owned subsidiaries.

Note 2: The MQI is attenuated due to the increasing service years of roads and the natural aging of roads.





Ensuring Steady and Sustainable Growth through Sound Governance

Response to indicators

B2.1 B2.2 B2.3 B6 B6.2 B6.3 B7.2 B7.3

Good governance is fundamental to corporate development and is the bedrock for all business activities of the Company. Jiangsu Expressway continuously improves the corporate governance system and takes a zero-tolerance stance against irregularities, corruption, and unfair competition. We strictly ensure compliance and create values in road and bridge maintenance, safe and smooth traffic, and smart innovations, building the foundation for sustainable development.

Corporate Governance

Response to indicators

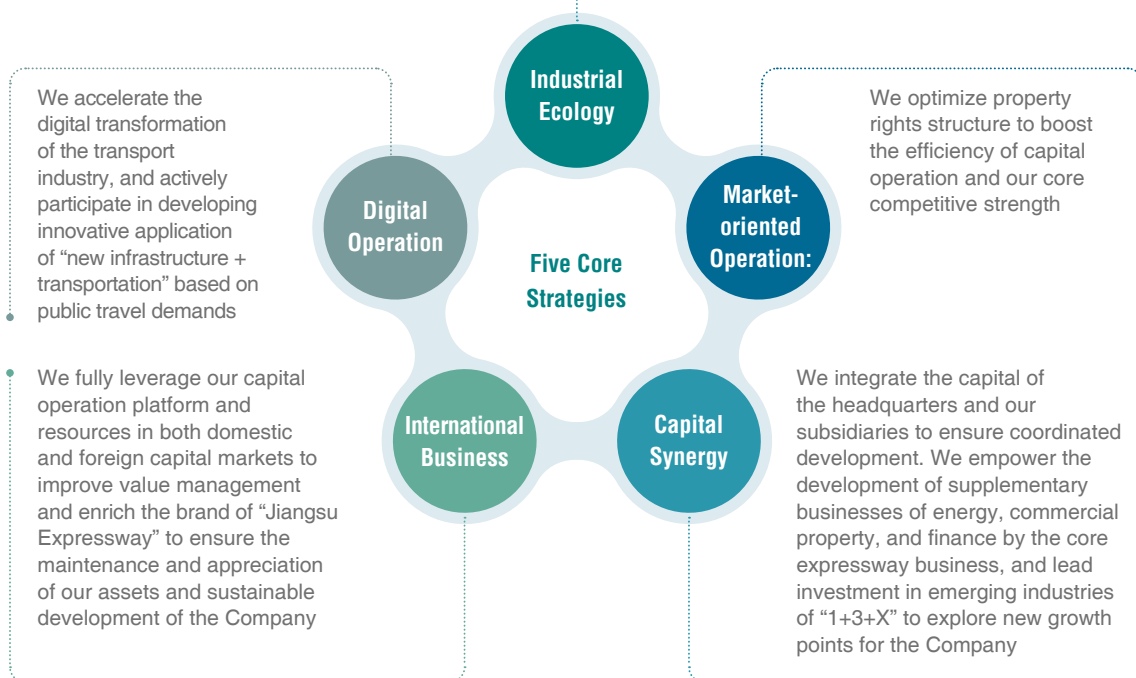
B6.3 B7.2 B7.3

The Company strictly abides by the laws and regulations as well as business ethics of places in which it operates, and ensures and advocates compliance, thus creating foundation for sustainable development and maximizing contributions to the economy, society and environment.

Corporate Strategy

2021 marked the beginning of China's 14th Five-Year Plan and the start of the new journey of building a modern socialist country in an all-round way. The Company thus actively pushed forward industrial ecology, international business, capital synergy, market-oriented operation, and digital operation and management, and paid increasing attention to our main responsibilities and core business. By deepening the internal reform to unleash vitality and internal driving forces, we proactively promoted high-quality development of the Company.

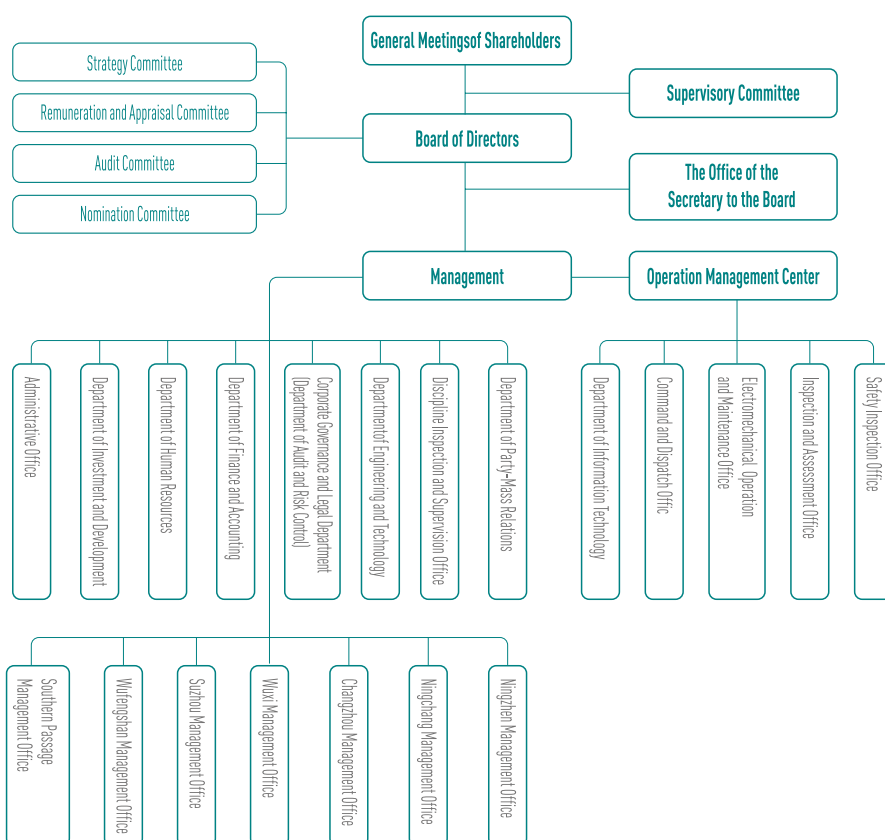
We promote green transport development based on the philosophy of coordinated development of the transport industry and the natural ecology



Corporate Structure

The Company has strictly complied with the listing rules and the relevant laws and regulations both at home and abroad and properly manages the Board of Directors, Shareholders' Meeting and Supervisory Committee. We have been continuously improving the institutional system, and raising compliance awareness. A compliance management mechanism that fits the current development status has been developed to ensure that all key issues required under corporate governance are approved lawfully. In 2021, we revised the *Regulation on Connected Transactions*, *Regulation on Information Disclosure*, *Rules of Procedures for the Strategy Committee*, and *Independent Directors' Code*, further enhancing compliance, independence, and transparency. And we newly formulated the *Detailed Rules for the Authorization of the Board of Directors*, and put in place post-authorization management measures including an authorization tracking and reporting mechanism as well as a supervision and inspection mechanism. In this way, we are able to dynamically regulate authorizations in time, fully implement the Board's six rights including the right to make decisions for mid-and long-term development, and ensure that the Board's decisions are effectively executed. In 2021, the Company held one annual general meeting of shareholders, nine meetings of the Board of Directors, and seven meetings of the Supervisory Committee.

As per the regulations of Shanghai Stock Exchange and The Stock Exchange of Hong Kong Limited (hereinafter referred to as "Hong Kong Stock Exchange"), and requirements concerning major issues, major officials' appointment, major project arrangements, and use of large-volume capital, we shall carefully examine all projects of the Company and our non-wholly-owned subsidiaries, and strengthen compliance management along the decision-making procedures. We consolidate performance management of directors, supervisors and other senior executives as well as supervision training management, to enhance their capacity of performing their duties and making better decisions. The preliminary review of meeting materials is also strengthened to make sure the documents are authentic, accurate, and complete, so as to support effective decision-making.



Corporate structure



Awarded 2021
Golden Quality in ESG Award
for Listed Companies

Awarded
Best Corporate Governance (G) Award at China ESG Golden Awards 2021

Awarded
Tianma Award – Best Board of Directors
at the 12th China Listed Company Investor Relations Selection

Compliance and Risk Management

The Department of Audit and Risk Control directly led by the Chairman had been established to enhance independence of the Company's internal audit. The *Accountability Regulation for Illegal Investments*, and *Reporting Rules for Major Operational Risk Events* were also formulated. In addition, in respect of the construction of compliance management mechanism, we have initially formulated measures including the *Measures for Compliance Management*, *Manual of Integrity and Compliance*, *List of Company-level Compliance Risks*, *Anti-fraud Compliance Management Measures*, *Management Measures for Legal Affairs*, *Contract Management Measures*, and *Bidding and Procurement Management Measures*, to clarify the reporting mechanism for major risks and specify the reporting procedures. To enhance the capacity of defusing major risks, we take the lead in exploring an integrated management platform of legal affairs, compliance, risk management, and internal control systems. The Operating Committee of the "integrated supervision" system inspects all subordinate units on their compliance, risk control, and regulation enforcement, and demands rectifications within a definite time when necessary. In 2021, we revised and newly established a total of 46 systems, reviewed approximately 420 business contracts and proposed revisions or suggestions for more than 60 contracts. We also conducted comprehensive risk identification and identified 10 major risks and formulated countermeasures accordingly.

We highly value intellectual property protection and strictly abide by the *Intellectual Property Right Law* as well as other laws and regulations. In response to the country's call for "comprehensively strengthening IPR protection", we prioritize self-dependent innovation, fully respect IPR, and ensure legitimate use of patents and trademarks, in an effort to enhance the innovation capacity and competitiveness of the whole society.



By the end of 2021,
Jiangsu Expressway

registered **43**

trademarks of

22 categories

and obtained **11**
patents



To enhance the management personnel's compliance capabilities and performance, the Company organizes a training session on the development of a compliance management system for more than 100 management personnel.

Anti-corruption Management

We strictly abide by the relevant Chinese laws and regulations, such as *Criminal Law*, *Supervision Law*, *Anti-Embezzlement and Bribery Law*, *Anti-Money Laundering Law*, *Self-discipline Guidelines of the Communist Party of China*, *Provisions on the Integrity for Officials of State-Owned Enterprises*, to foster integrity of employees at all levels. We have also formulated the *Regulations on Connected Transactions** and *Implementation Rules for Connected Transactions** to avoid relevant risks. In 2021, we published four key documents, including the *Notice on Printing the Implementation Measures for "The Decision-Making of Major Issues, Major Officials Appointment, and Major Project Arrangements and Use of Large-Volume Capital"*, and the *Notice on Further Strengthening the Team of "Three Members" for Grassroots Supervision*. We also compiled the *White Paper on Integrity Risk Prevention and Control (2021)* and the *Blue Paper on Work Manual on the Integration of Supervision and Management*. We also advanced digital anti-fraud management by developing an anti-fraud assisted identification system, which further incorporates anti-fraud into operation management and provides clear and intuitive compliance risk alerts for decision-makers. In 2021, neither the Company nor our employees were involved in any corruption-related litigation.

The Company tightens supervision responsibility and has established an organic closed-loop "integrated supervision" system. We have implemented the *Rules for Implementation of the "Integrated Supervision" System of Jiangsu Expressway (Trial)*, to build a unique four-in-one supervision model with the Company's Party Secretary and Chairman as the Director of the Operating Committee of the integrated supervision system (the Integrated Supervision Committee), Secretary of Discipline Inspection Committee as the Deputy Director, and members from ten departments. The committee launches company-wide supervisions and inspections over discipline, legal affairs, audit, finance and Supervisory Committee to minimize integrity and decision-making risks. In 2021, the Company conducted two "integrated supervision" inspections and provided two anti-corruption and business ethics training sessions to its employees and directors, covering more than 300 participants.

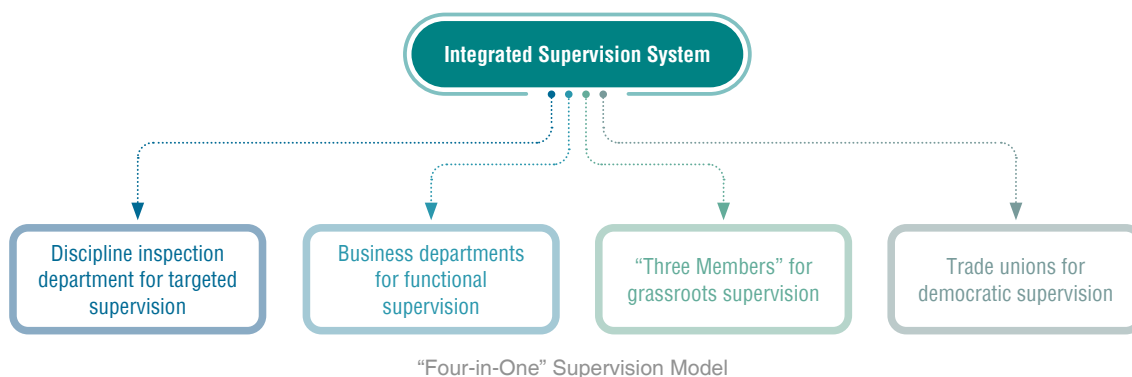


Jiangsu Expressway Tianwang Toll Station made every effort to promote the establishment of the anti-corruption culture system by organizing employees to watch educational films and attend learning events on a regular basis, and set up a "Zhao Yafu Study Room", in a bid to create a virtuous and motivating workplace.

*Note: Inclusive of related party/connected transactions.

Ensuring Steady and Sustainable Growth through Sound Governance

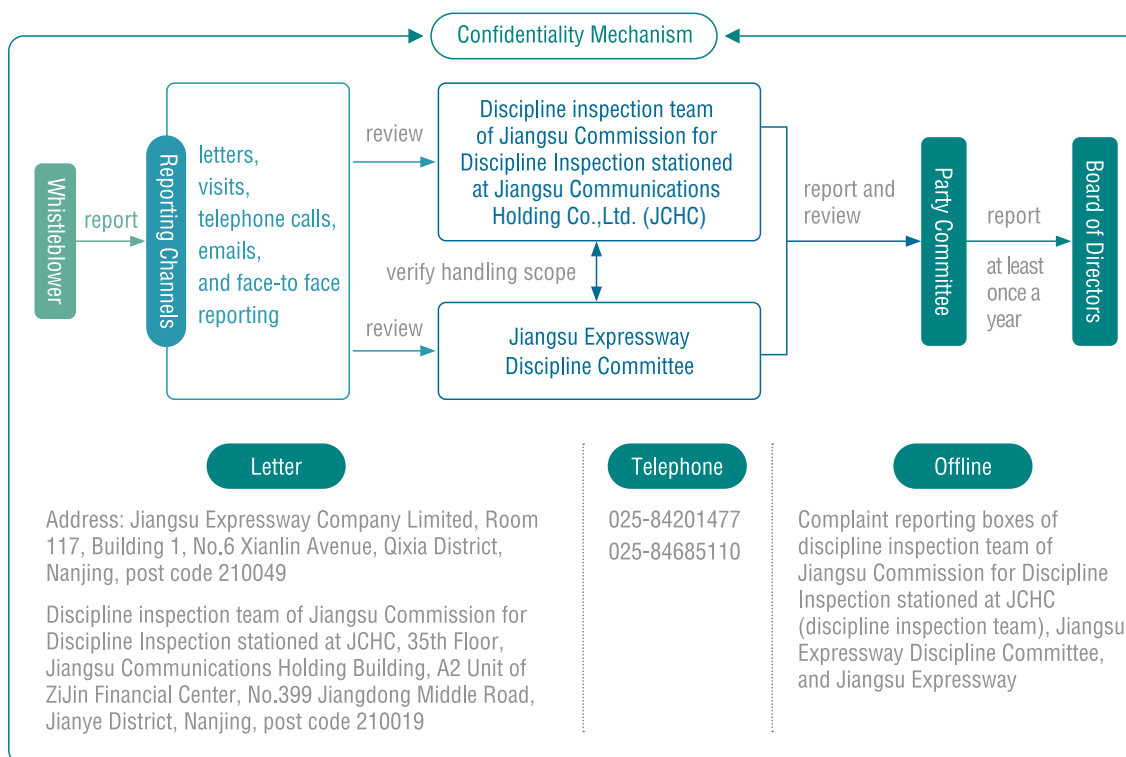
Jiangsu Expressway Company Limited 2021 Corporate Social Responsibility Report



The Company strictly abides by the laws and regulations including the *Supervision Law of the People's Republic of China*, *Regulations on Reporting and Complaint of Discipline Inspection and Supervision Departments of the Communist Party of China*, *Rules for Reporting at Supervisory Departments*, *Interim Regulations on Reporting Complaints at Discipline Inspection and Supervision Departments of Enterprises Affiliated to Jiangsu Province*, *Interim Regulations on Reporting Complaints at Jiangsu Expressway*, and has standardized the internal reporting procedures accordingly. In 2021, we revised the *Interim Regulations on Reporting Complaints at Jiangsu Expressway* to further standardize its whistleblowing procedures. The *Interim Regulations* clearly specify that "the personal rights, democratic rights and other legitimate rights and interests of the whistleblower shall be protected by law". It protects the rights and interests of whistleblowers and prevents malicious reporting. In addition, according to the requirements of discipline inspection team, we put up announcements of the contact information of the team in the Company and all our grassroots units to improve transparency of the reporting policy.



In 2021, the Company investigated **135** positions for integrity risks and found **590** integrity risk points.



Internal reporting processing procedure

Investor Relations

The Company standardizes information disclosure and safeguards the legitimate rights and interests of its shareholders, especially public shareholders. Through regular reports and announcements, we disclose information in a proper and timely manner, improve high-quality disclosure and maintain favorable relations with investors to ensure a good reputation in the capital market, laying a solid credit foundation for future capital projects.

We have unimpeded a variety of communication channels with investors, including face-to-face communication, teleconference, email, SSE E-interactive, and an investor consulting section on our official website. We had in-depth discussions on development status and plans with investors, answered their questions and listened to their comments during our exchange. In the meantime, we leverage the power of the media to disclose business conditions to the public in a timely manner and help investors grasp the latest developments of the Company. In 2021, we held 20 teleconferences, one investor strategy briefing in Shanghai, and online conferences open to all investors after the release of the annual report and interim report.



In 2021, in accordance with the legal requirements of information disclosure and interim major issues, we issued **62** public announcements at home and abroad, and held over **20** teleconferences.



The Company has been rated **Level A (the highest level)** in the information disclosure assessment of Shanghai Stock Exchange for two consecutive years.

Party Building

The Company has implemented the *Three-Year Action Plan on Leading High-Quality Development through Party Building (2020-2022)* to live up to higher industrial standards, improve development quality and efficiency, and enhance overall strengths. In building Party organizations, we have put in place a quarterly meeting mechanism for Party affairs and a governance system of “excellent Party building integrated with modern SOE”. Through publishing the *Note on the Work of Party Branch Secretary*, we help primary-level Party branch secretaries plan Party building systematically. In brand building, holding high the Party flag and marching toward excellence, we have been enriching the content of our “Party Excellence” brand, and opened up our Party building exhibition hall themed “The Road to Greatness” to the public. In 2021, our Party building activities totaled 230 hours, involving 7,270 Party members. We set up 33 temporary Party organizations, 63 CPC Pioneering Groups, and 51 CPC Pioneering Posts.

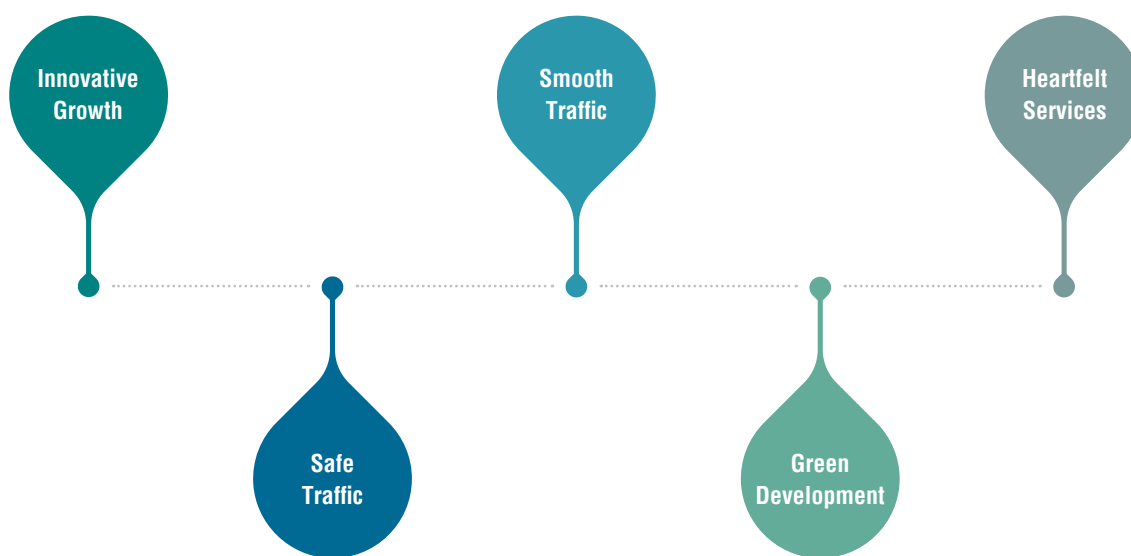


Social Responsibility Management

Upholding the founding mission of “the Road towards a Better Life”, Jiangsu Expressway constantly deepens social responsibility management, and works with stakeholders to promote its CSR efforts in an orderly manner.

Social Responsibility Philosophy

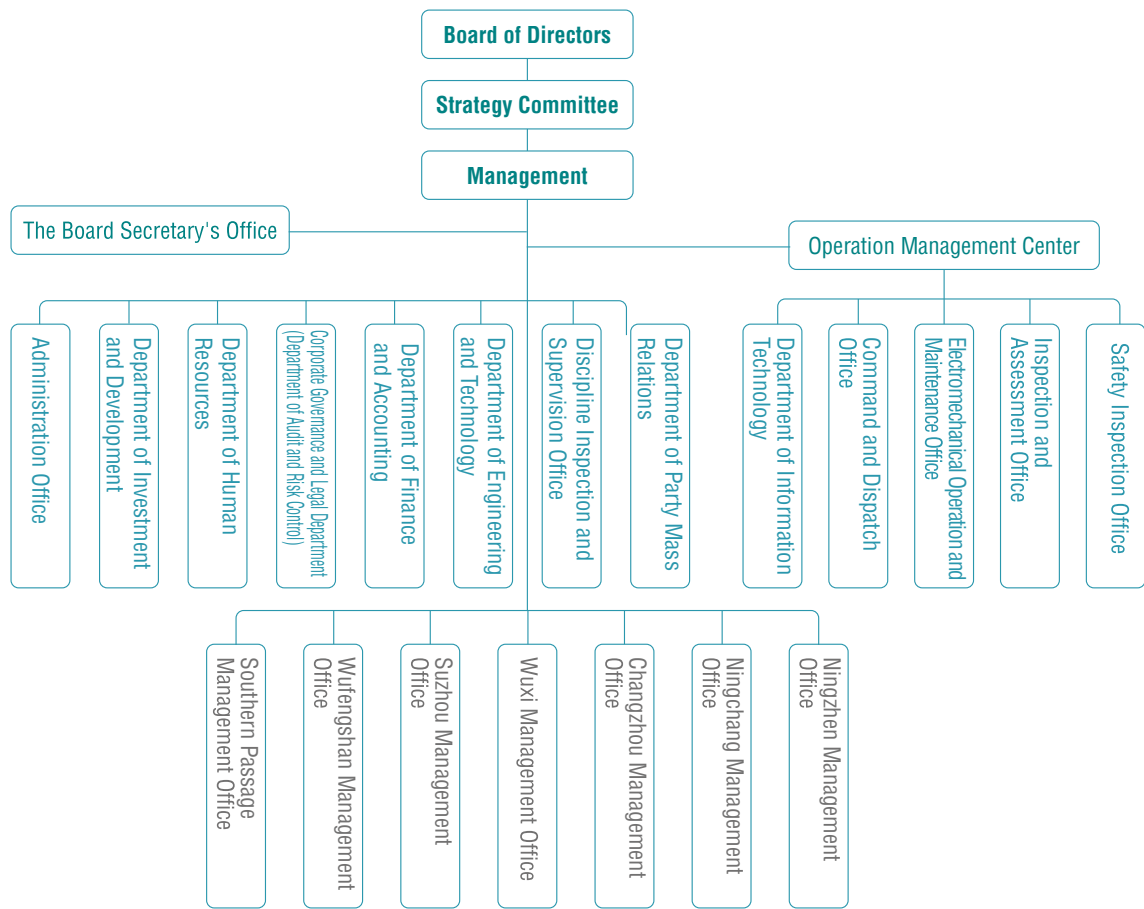
Committed to becoming an “expert for infrastructure investment and operation renowned both in and outside China” as well as the shared development of the society–economy–environment system, we have identified five CSR areas in line with our business development and the demands of stakeholders, and work with all parties to achieve win-win results.



Key CSR areas

Board Statement

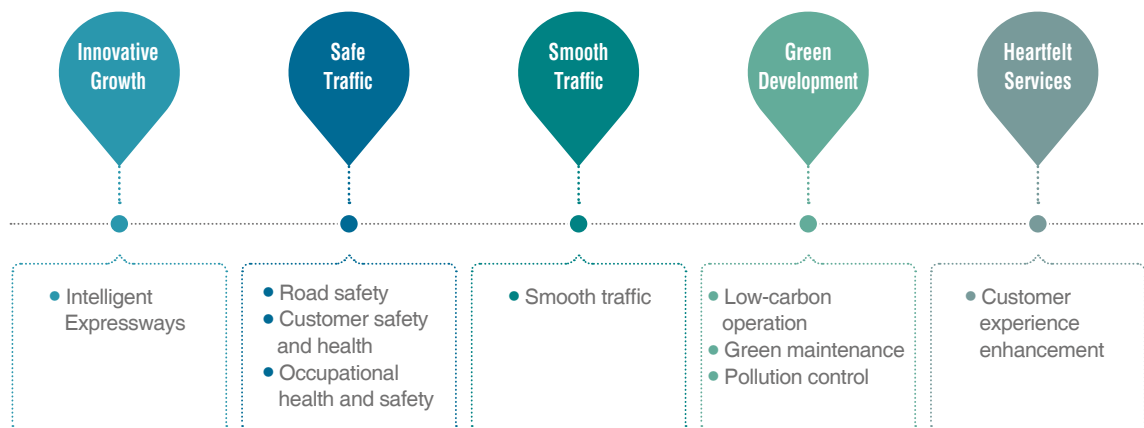
The Company entrusts the Strategy Committee under the Board of Directors to lead the environmental, social and governance (ESG) management and decision-making, guide and manage CSR practices, identify and evaluate major ESG issues within the business scope to ensure conformity with the related laws and regulations. The committee also deliberates on and supervises the management team in terms of ESG targets, formulates and improves policies and translates them into actions. In light of social-economic environment and its development strategy, the committee evaluates the materiality of development, environment, employee rights, work safety and other ESG issues, manages key issues and sets them as priorities of the year (refer to the following chapter of Identification of Material Topics for details on identification and evaluation of key issues). The Office of the Secretary to the Board is held responsible for the Company's ESG affairs. It formulates relevant management and implementation plans, reviews implementation progress, and reports directly to the management and the Strategy Committee. In 2021, the Company improved its ESG and social responsibility framework. We revised the *Rules of Procedures for the Strategy Committee* according to latest requirements of Hong Kong Stock Exchange on ESG reporting. By further improving the ESG data collection mechanism on an ongoing basis, we have shown high-standard ESG performance in the capital market.



Social responsibility structure

Identification of Material Topics

After careful study and analysis of guidelines and policies at home and abroad, we have identified and selected 9 key material topics that are important to the Company and stakeholders, and guided the Company to carry out targeted social responsibility work.



Key social responsibility topics

Stakeholder Engagement

We take the initiative to identify all stakeholders, enhance contact with stakeholders through effective communication, develop better a understanding and respond to the demands and hopes of stakeholders, striving to create value for stakeholders to achieve win-win results.

Stakeholders	Major topics	Expectations and demands	Engagement methods
Customers (passengers and drivers)	<ul style="list-style-type: none"> Smooth traffic Quality services Safe traffic Easy access to comprehensive traffic information 	<ul style="list-style-type: none"> Smooth, flat and comfortable roads Diversified services at service areas Good service and fast passage at toll stations Timely and efficient road rescue and hindrance clearance Timely and complete information disclosure and easy access to information 	<ul style="list-style-type: none"> Feedback on services rendered Field research at the service areas Online surveys Telephone interviews
Local governments and regulatory authorities	<ul style="list-style-type: none"> Operating performance Regulatory compliance Smart transportation Serving socioeconomic development 	<ul style="list-style-type: none"> Value maintenance and appreciation of state-owned assets Serving the government's working plans and socioeconomic development Promoting the development of smart transportation Abiding by national and local policies and regulations; paying taxes according to law Compliance and integrity Industry optimization and upgrading Industry experience sharing 	<ul style="list-style-type: none"> Reporting and communication Patrolling Instructions Work meetings Institutional documents Annual reports
Jiangsu Communications Holding Group	<ul style="list-style-type: none"> Regulatory compliance Risk management Operating performance Reform and transformation Smart transportation 	<ul style="list-style-type: none"> Value maintenance and appreciation of state-owned assets Compliance and integrity Economic performance Sharing experience within Jiangsu Expressway 	<ul style="list-style-type: none"> Reporting and communication Work meetings Annual reports Instructions
Securities regulatory authorities	<ul style="list-style-type: none"> Transparent operation Information disclosure 	<ul style="list-style-type: none"> Compliance with regulations of the stock exchanges Timely and high-quality information disclosure 	<ul style="list-style-type: none"> Institutional documents Reporting and communication Notices and announcements Annual reports
Investors and creditors	<ul style="list-style-type: none"> Return on investment Value maintenance and appreciation Risk prevention 	<ul style="list-style-type: none"> Stable returns and dividends Exploring new profit growth points Reducing investment risks 	<ul style="list-style-type: none"> Board meetings Annual reports Public announcements and road shows General meetings of Shareholders Investor surveys
Partners (suppliers, contractors, road administrations, traffic police, etc.)	<ul style="list-style-type: none"> Win-win and mutual benefit Fulfillment of commitments 	<ul style="list-style-type: none"> Maintaining stable cooperation Providing information on road conditions 	<ul style="list-style-type: none"> Contracts and agreements Daily communications
Industry counterparts	<ul style="list-style-type: none"> Industry development 	<ul style="list-style-type: none"> Experience sharing Promoting the healthy development of the industry 	<ul style="list-style-type: none"> Industry conferences Visits and exchanges
Employees	<ul style="list-style-type: none"> Equal employment Career development Occupational health and safety 	<ul style="list-style-type: none"> All-round welfare guarantee Smooth career development paths Diverse opportunities for development Safer and cozier working environment Caring for occupational mental health 	<ul style="list-style-type: none"> Labor contracts Collective contracts Employee Representative Congress Employee satisfaction surveys
Local communities	<ul style="list-style-type: none"> Environmental impact management Low-carbon operation 	<ul style="list-style-type: none"> Lowering the noise on roads Protecting local ecological environment 	<ul style="list-style-type: none"> Visits
The public / media	<ul style="list-style-type: none"> Open and transparent information 	<ul style="list-style-type: none"> Timely disclosure of significant information 	<ul style="list-style-type: none"> Interviews

Building of Satisfactory Expressways

Response to indicators

B2.1 B2.2 B2.3 B6 B6.2

The Company practices the mission of “providing more premium services for the public to facilitate a better life”. Leveraging advanced smart maintenance technologies and rich experience in road safety management, we provide considerate and convenient services, create more comfortable driving experience, and bring the public a satisfactory travel with high-standard expressways.

Smart Maintenance

The Company is always dedicated to “providing satisfactory traffic to the people”. We provide full life-cycle maintenance management and continue to innovate in maintenance technologies, achieving high-quality development of maintenance services. In 2021, we maintained and troubleshot 396 pieces of equipment, and invested RMB 446,000 in maintenance technology innovation.

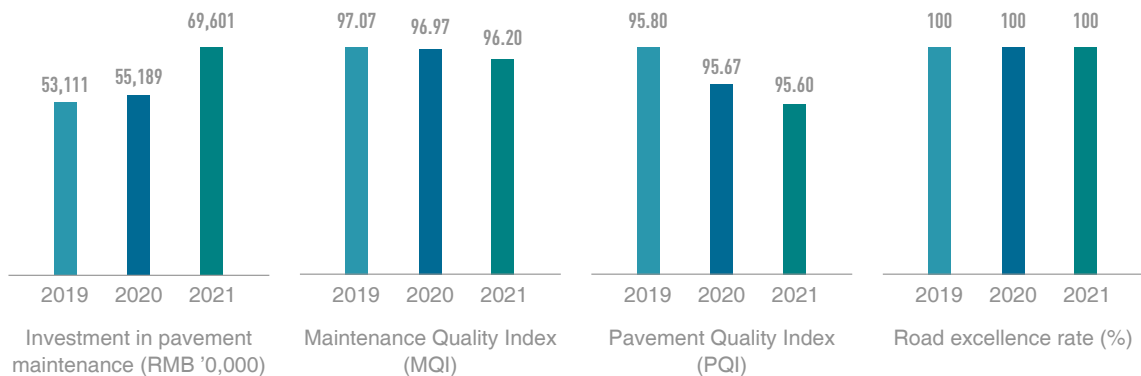
Refined Maintenance Management

We have developed a quality assurance and management system, incorporated scientific quality management theories and approaches into our practices, and constantly improved management and technology applications. A consulting session on the maintenance of bridges and tunnels across the Yangtze River was organized, with renowned industrial experts invited to give counsel. Compilation of the *Manual for the Maintenance Management of Wufengshan Toll Bridge* was completed, and an operational inspection and daily maintenance system has been put into use.

Smarter Maintenance Technologies

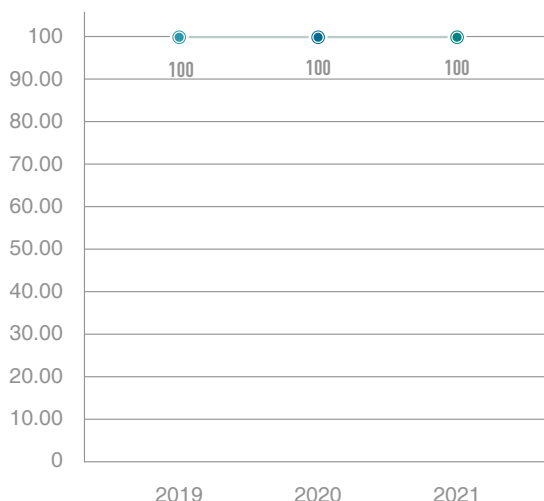
We explore smart and digital maintenance solutions and continue to optimize intensive maintenance. We were the first to adopt the traffic control mode that combines closed one-way lane and opposite-direction lane borrowing, successfully completing cross-provincial and long-distance intensive maintenance for the first time. On that basis, we made an attempt of single lane closure without lane-borrowing, to minimize the impact of roadwork on Shanghai-Nanjing Expressway and neighboring roads. In 2021, we had centralized the maintenance of 69 km roads, saving 19 days of construction and creating remarkable economic benefits.

Key measures in smart maintenance

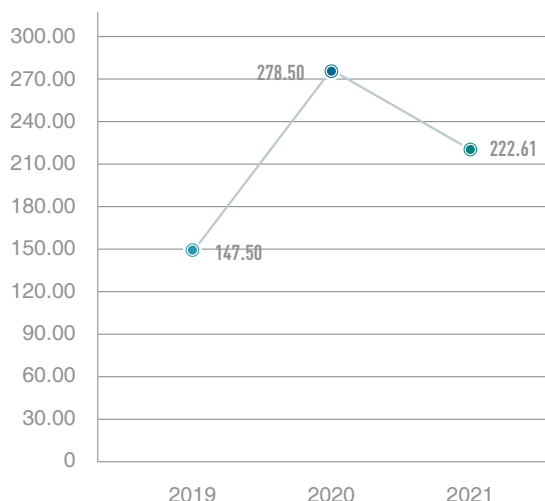


Ensuring Steady and Sustainable Growth through Sound Governance

Jiangsu Expressway Company Limited 2021 Corporate Social Responsibility Report



Proportion of grade 1 and grade 2 bridges (%)



Funds for scientific research and innovation (RMB '0,000)



New tools help eliminate safety hazards in maintenance

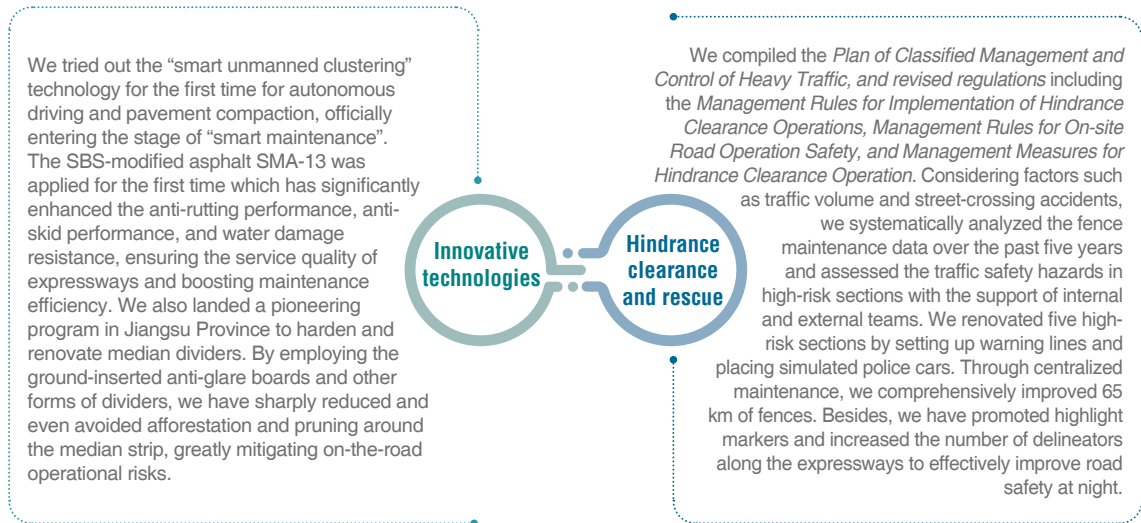
The Changzhou Management Office of Jiangsu Expressway has been actively exploring the use of novel techniques and equipment and has primarily acquired two types of new cleaning equipment – garbage collectors and high-speed motor sweepers – to fuel management and maintenance efficiency and contribute to smooth, graceful, clean, and high-performing expressways.



Lane waste killer – Garbage collector

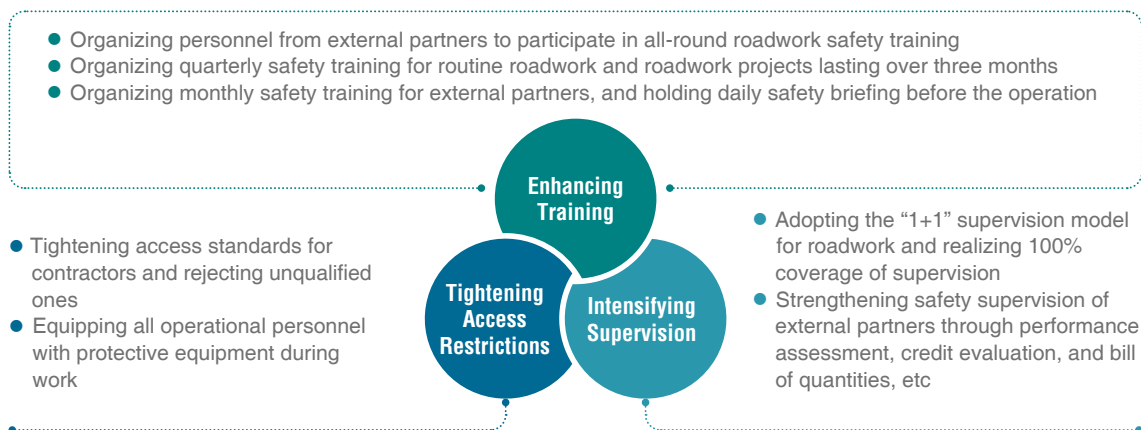
Safe Operation

We follow important remarks by General Secretary Xi Jinping on work safety, and uphold the philosophy of “putting life and safety first”. Strictly abiding by the *Law of the People's Republic of China on Work Safety*, *Highway Law*, *Product Quality Law*, and *Regulation on the Administration of Toll Roads*, we continue to improve internal work safety regulations, and innovate in safety management technologies. By carrying out safety rectifications, troubleshooting and eliminating safety hazards, and organizing emergency drills and training, we have further enhanced the capability of safe operation, defused major safety risks, and lived up to people's need for better transportation. In 2021, the satisfaction towards hindrance clearance reached 99%.



Key measures in safe operation

We strictly abide by relevant national and local safety laws and regulations, including *Work Safety Law*, *Prevention and Control of Occupational Diseases Law*, *Regulations of Jiangsu Province on Labour Protection*, *Regulations for Work-Related Injury Insurance*, *Administrative Measures for Work Safety Training*, and *Administrative Measures for Labour Safety and Health*. The OHSAS 18001 occupational health and safety management system has also been established. We attach importance to the health and safety of employees during construction, and protect our staff with the aid of intelligent technologies such as smart early-alert cones. By investing more in safety facilities and equipment such as anti-collision vehicles, alarming devices, flashing lights, and directional speakers, and organizing regular safety training sessions and emergency drills, we have continuously improved our safety management level. In 2021, our safety training covered 3,862 participants.



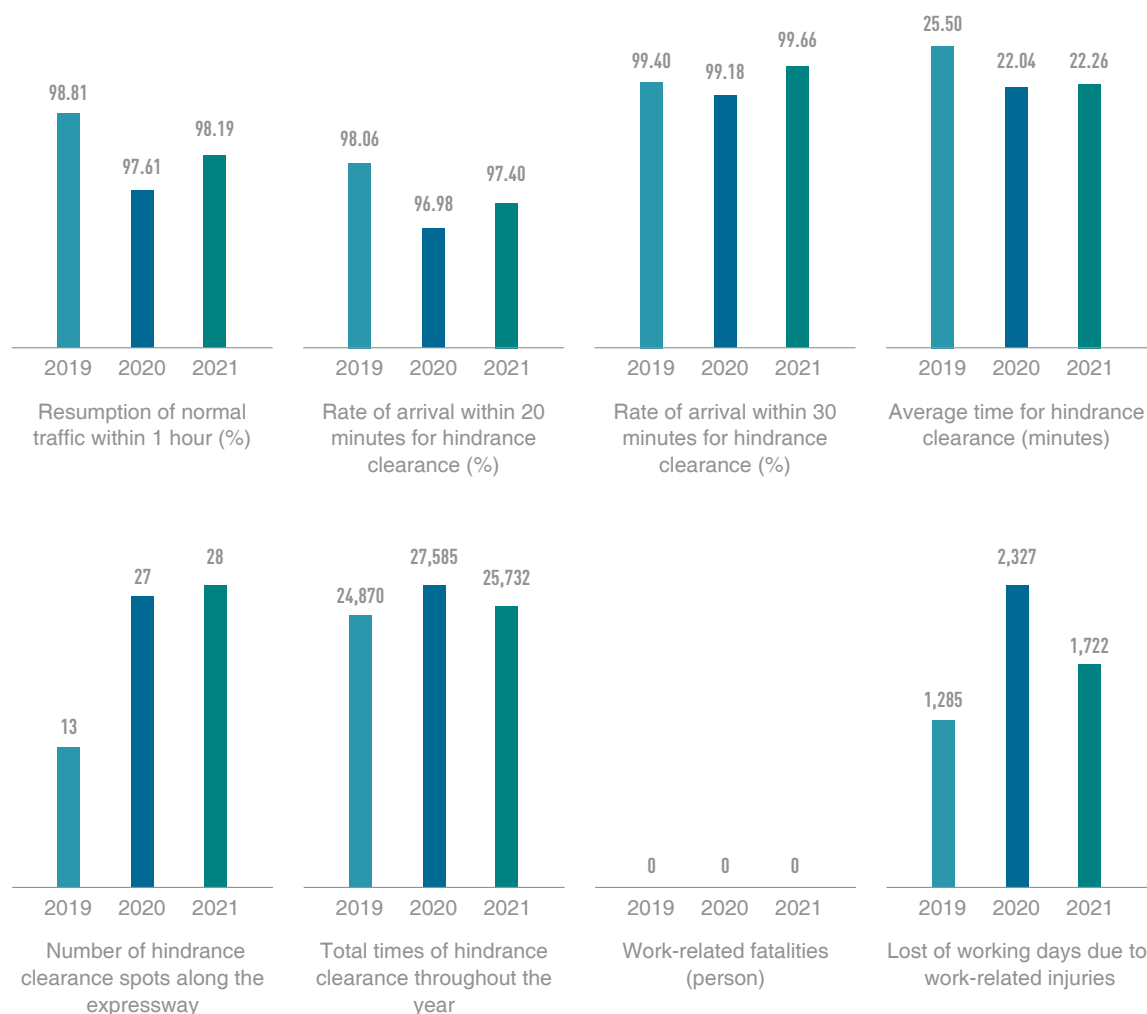
Key measures for guaranteeing the health and safety of our outsourced suppliers, constructors and contractors



Work Safety Month

Centering around the topic of “fulfilling safety responsibility and promoting safe development”, the Company earnestly carried out a series of activities during the Work Safety Month. Highlighting the topic, we landed several learning activities, information sessions and inspections to strengthen safety actions. We worked hard in publicity and dissemination, promoting Work Safety for Expressways and Work Safety Month, and organizing “Safety Publicity and Consultation Day on June 16” to create a safety culture. We also introduced rich activities including safety quizzes and emergency drills, as well as made efforts on innovative education forms. The “Work Safety Month” has raised all employees’ awareness of work safety, enriched their safety knowledge and enhanced their abilities of identifying and handling safety hazards as well as making proper emergency response.

The Company strictly abides by regulations such as the *Special Emergency Plan for Accidents Occurred during the Transport of Hazardous Chemicals*, *Standard Operations for Hindrance Clearance*, *Emergency Response Preparation and Emergency Response Plan*, and *Emergency Rules on Disposal of Hazardous Chemicals*. We also tighten the management on vehicles transporting hazardous chemicals to reduce potential safety risks. For roads with a high accident rate, we renew and improve the signage and pavement markings to improve road safety.



Improving the Safety Control Mechanism

- Improving the organization system, accountability system and target system for work safety
- Improving the fulfillment of the main responsibility, execution responsibility, and supervision responsibility
- Landing safety risk prevention, inspection and management
- Building three systems of “guarantee, control, and information” supported by “standardization, informatization, and three-dimensional management”, and three mechanisms of “prevention & control, emergency response, and long-term management”

Investing in Safety Facilities

- Introducing mechanized maintenance equipment and making patent application for intelligent anti-collision early warning system
- Preparing the *Safety Guidelines for Maintenance Tasks at Night*
- Providing employees with sound protective equipment of full coverage

zero safety
incident

Consolidating the Protection for Work Safety

- Providing employees with protective facilities and equipment such as anti-collision vehicles
- Promoting staggered, centralized, intensive, and mobile maintenance practices

Key measures to ensure zero safety incident



Rushing to rescue on Shanghai-Nanjing Expressway

In August 2021, a rear-end collision happened at section K1179 on the Nanjing-bound Shanghai-Nanjing Expressway. The 16 bundles of steel bars, weighing 32 tons in total, fell from a semitrailer, one of the crashed vehicles. Upon receiving the alarm, the expressway command center immediately reported to the traffic police, traffic law enforcement personnel, hindrance clearance and security units for joint rescue at the scene of accident and the emergency plan was subsequently activated. It took less the emergency response team less than an hour to resume the traffic, saving drivers from nearly RMB 200,000 of economic loss.



Efficient and Smooth Traffic

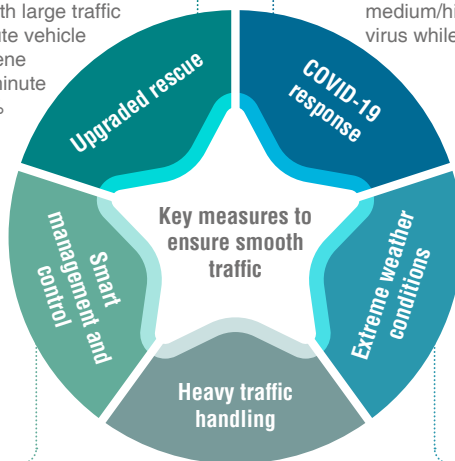
The road sections of the Shanghai-Nanjing Expressway managed by Jiangsu Expressway form a traffic artery in southern Jiangsu Province. Its smooth operation is key to the high-quality development of the local economy and society. We believe “the best service is the smooth traffic”, and thus apply advanced and smart technologies to properly manage the traffic flows on key sections. We have ensured smooth traffic on major holidays and festivals that often come with large traffic flows, and successfully secured quality traffic in extreme weather conditions, creating safe, clear, clean, and pleasant expressways with smooth traffic flows.

We have revised internal regulations such as the *Management Rules for Implementation of Hindrance Clearance Operations*, *Management Rules for On-site Road Operation Safety*, and *Management Measures for Hindrance Clearance Operation*. We deploy rescue personnel, adopt security measures and set out plans in advance. We further enhance our capability in hindrance clearance with various loaders and forklifts, and spare no effort to facilitate the operation of “3510” for super-saturated road segments with large traffic volume, which is to maintain a 3-minute vehicle dispatch rate at 100%, a 5-minute scene arrival rate of nearly 70%, and a 10-minute road clearance rate of more than 80%.

We have deployed a heavy traffic management and control system. The smart ramp management system for the eastern section of Shanghai-Nanjing Expressway has been activated for 413 times, managing and paralleling 790,000 vehicles. Heavy-traffic lane management systems have also been utilized by sections, enhancing traffic efficiency by 9.13% during rush hours and raising the passing speed by 26.31%.

We give routine disinfection and COVID-19 control and explore the application of drones in multiple scenarios, including pandemic prevention in service areas and smooth traffic guarantee. Keeping traffic flow under monitoring and control enables real-time command and dispatch as well as maintaining order. During the Nanjing and Yangzhou COVID-19 outbreaks, we cooperated with the system maintainer and developed an auto alarm module for vehicles passing through medium/high-risk areas, preventing the spread of virus while ensuring smooth traffic.

We have improved the smooth traffic plan for severe weather, troubleshot safety hazards and conducted special inspections of the main body of roads and bridges, ancillary facilities, as well as toll facilities. Problems will be soon rectified once identified, to effectively minimize harmful impacts of extreme weather events and guarantee traffic safety.



We have formulated the *Implementation Rules for Handling Heavy Traffic and Plan for Smooth Traffic on Major Holidays and Festivals*. Special coordination meetings would be organized before major holidays to ensure smooth traffic. With the support of “Dispatching Cloud” and “Expressway Brain” systems, we are able to improve traffic flow prediction. We also continue to optimize our classified management and control as well as seamless connection mechanisms featuring “overall command + cross-section” and “small grid + short route”. Emergency response personnel are assigned to the site in time to assist the expressway police, successfully safeguarding smooth and safe traffic during the Spring Festival travel rush and National Day holiday. In 2021, 54 hindrance clearance and rescue spots along the expressways were set up to handle heavy traffic during holidays and festivals.



Taking scientific measures to ensure smooth traffic during the Spring Festival travel rush

The K1136-1140 sections on the Shanghai-bound of Shanghai-Nanjing Expressway have records of high accident rate. The Command Center for Suzhou Section of Shanghai-Nanjing Expressway has analyzed traffic flow, signposts and guiding instructions on K1136-1140, compiled a congestion analysis report and proposed targeted measures. Working together with the traffic police and engineering team responsible for the sections, a 3+2 investigation group was set up. The group assists mainstream navigation APPs in adjusting map display and voice guidance, removes deceleration markings on the highway, and tightens penalties for driving offences across the sections. As a result, the accident rate of the sections has declined by 55.6%, while the hourly cross-sectional flow has risen by 17%, greatly improving the traffic order and efficiency.

Quality Service

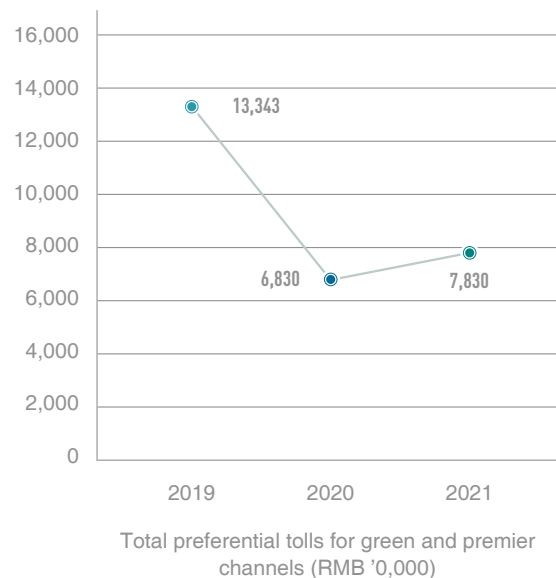
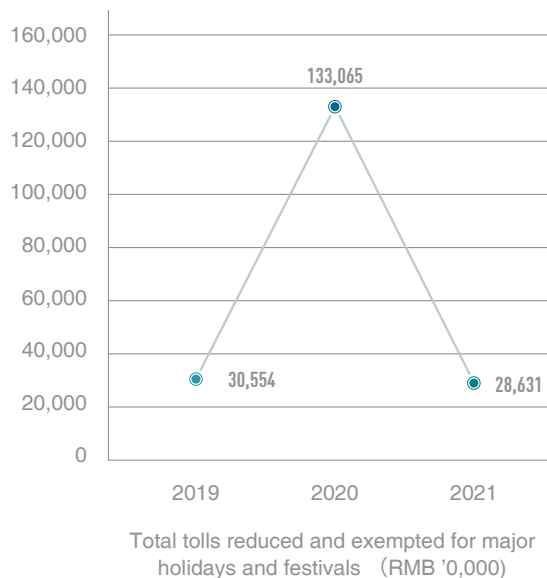
Response to indicators

B6 B6.1 B6.2 B6.5

Toll stations and service areas bond people and expressways and deliver our premier service. Pursuing the vision of “better on the way”, we continue to upgrade service areas in terms of service quality and operation management, and intellectualize service areas by equipping them with smart restrooms, smart pandemic prevention and control systems, and smart charging piles. Our focus on and investments in network security and information security are also increasing, aiming to enhance the sense of security and happiness of passengers and drivers.

First-Class Driving Experience

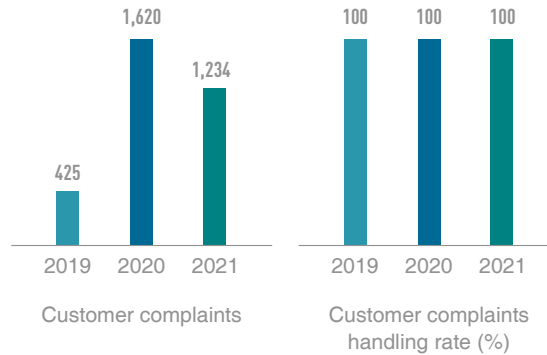
Toll stations are windows to our customers, where passengers and drivers receive our services on the road. In accordance with the *Regulations of the People's Republic of China on Price Control* and other relevant regulations, we have issued the *Operation Management Measures* and *Toll Administration Measures* to land preferential toll policies. A 24/7 hardware and software maintenance team has been set up for the toll collection system, and toll lanes for passenger cars and trucks are separated to enhance passing efficiency. We regularly examine the service quality of toll stations and run emergency drills to improve abilities to respond to emergencies. Through convenient and heart-warming services, we create first-class traveling experience for drivers and passengers.



Note: The road sections include the Jiangsu Section of Shanghai-Nanjing Expressway, Ningchang Expressway, Zhenli Expressway, and Zhendan Expressway. In 2021, since the risk of COVID-19 was mitigated and under control, the implementation time schedule of toll reduction and exemption resumed, which explained the sharp fall in tolls resumed and exemption for major holidays and festivals.

Pleasant Travel Experience

Service areas, as an important part of expressways, help relieve driving fatigue and increase comfort on the road. The Company earnestly implements the *Opinions on Further Improving the Service Quality and Operational Benefits of Expressway Service Areas*, and has developed themed service areas with distinct local styles demonstrating local cultures and customs, perfectly merging transport with tourism. We are dedicated to creating service areas that integrate service, catering, shopping, and tourism. Meanwhile, we strictly control prices in service areas to guarantee the best experience across all expressway service areas in the province.



The Company has established the ISO 9001 Quality Management System, and formulated the *Management Measures on Handling Complaints* and *Strategy of Adopting the Audit System to Handle Complaints*. *Management Measures on Handling Complaints* have been implemented rigorously and standards have been formulated for handling complaints on processing efficiency, requirements, and response templates. And more complaint channels have been opened, including the complaint notice board, 96777 hotline, and the official websites of the Company and Jiangsu Expressway Network Operation and Management Center. Meanwhile, we hold professional skill competitions to urge employees to improve their service quality. We also continuously enhance complaint handling efficiency and tackle complaints by identifying the root causes, thus winning higher customer satisfaction.



Guangling Service Area of Yangzhou won national honorary title

The Guangling Service Area of Yangzhou, which was completed and put into operation in June 2021, is China's first 2-story intelligent service area and a new-generation core service area. Following the guideline of "transportation + cultural tourism", the service area was elaborately designed to fit the cultural theme "a journey heading east for the beauty of millennial history", winning a place in the Second Tourism-featured Expressway Service Area Selection Honor Roll.



The Company shows care to special or underprivileged groups. We take the needs of the disabled into full consideration and provide accessible parking spaces, barrier-free access, basins and other dedicated facilities, as well as free wheelchair service. Female and children also come to our attention: we open up 24/7 nursing rooms, women's parking spaces, and children's bathrooms, to create a more people-oriented and cozy service environment.



Nursing rooms, wheelchairs and books are available in our service areas

Safeguarding Information Security

The Company attaches great importance to internal network security and the protection of customer information. We have formulated several regulations on digital management and network security, including the *Management Measures for Information Work*, *Management Measures for Implementation of Information System Projects*, *Management Measures for the Safe Operation of Information Systems*, *Management Measures for Operation and Maintenance of Information Systems*, and *Technical Index for Operation and Maintenance Management Services*. We have strengthened training on information security for related positions, and prohibited relevant employees from using mobile phones at work or disclosing customer information. In addition, we deploy dedicated networks for toll collection and road monitoring. Each year, we upgrade our network security equipment and protection strategies, hire external maintenance professionals to keep us safe from network attacks, and make emergency plans accordingly, to ensure safe and reliable customer information storage and interaction.



Key measures to protect the privacy of drivers and passengers





Rising to the Challenge of Climate Change

Response to indicators

A1 A1.1 A1.2 A1.3 A1.4 A1.5 A1.6 A2 A2.1 A2.2 A2.3
A2.4 A3 A3.1

The Company closely follows requirements imposed by the country and the industry for environmental management, including climate change response. We have incorporated environmental factors into expressway operation as always and kept strengthening environmental objective management to proactively address environmental challenges. Green maintenance is also our priority. We have been effectively protecting the road environment and contributing to the safeguards for green hills and clear waters.

Environmental Management

Response to indicators

A1 A1.2 A1.5 A1.6 A2 A2.3 A2.4

The Company strictly complies with the national and local regulations and standards on environmental issues and considers environment management as one of our priorities. We set annual environmental goals and improve our performance in climate risk prediction and emergency handling as a responsible expressway operator.

Fundamental Environment Management

Jiangsu Expressway strictly abides by the *Environmental Protection Law*, *Environmental Protection Tax Law*, *Energy Conservation Law*, *Water and Soil Conservation Law*, *Soil Pollution Prevention Law*, *Energy Conservation Regulations of Jiangsu Province* and other national and local laws and regulations on environmental management, and follows latest news in the capital market on environmental issues. Taking into account the actual situation, the Company implements relevant laws and regulations and their amendments to ensure compliance. We have also implemented the ISO 14001 environmental management system and formulated the *Management Measures for Identification, Evaluation and Control of Environmental Factors*, *Administrative Regulations for Energy and Resources Control*, *Management Rules for Environmental Impact Control of Stakeholders*, and *Regulations on Solid Waste Treatment and Disposal*. A three-level environmental management system covering the company-level, subsidiary-level and grassroots-level is implemented to form an effective long-term environmental management structure. In 2021, we continued to implement the *Environmental Management and Protection Measures* to fulfill our responsibilities in environmental protection as a corporate entity. We also further refined management requirements and carried out standardized training on the environmental management system to enhance our capacity of environmental protection management.



In 2021, the Company invested

RMB **9.4407 million**

in environmental protection

Note: Due to the significant year-on-year decrease of 34% in the length of noise barrier installation projects in 2021, the investment in environmental protection dropped greatly accordingly.

Environmental Objective Management

Based on the environmental requirements imposed by the country and the industry to expressway operators, and the principles of materiality, significance, and compliance, the Company has set quantitative environmental goals and further broken them down to assign them to responsible departments. We review progress quarterly to adjust priorities and direction in a timely manner. In 2021, starting from Jiangsu Section of Shanghai-Nanjing Expressway as a pilot, we set the environmental goals for 2022.

In 2022, we will continue to improve regulations under our environment management system and strive to minimize emissions and pollution discharge, so as to meet the 2022 environmental goals. We will urge the conservation of water and electricity, use more energy-saving equipment, and strengthen water recycling and reuse. More refined management measures will be rolled out to effectively reduce energy and water consumption. We will apply low-carbon and green technologies, promote intensive use of resources and turn to renewable resources to cut greenhouse gas (GHG) and other emissions, and generate less waste.

2022 Environmental Goals

Category	Unit	2021	Goal for 2022
GHG emissions	ton	18,240.43	The GHG emissions of Jiangsu Section of Shanghai-Nanjing Expressway (excluding service areas) increase by not more than 5% in 2022 than those of 2021
Energy consumption	ton	3,490.05	The energy consumption of Jiangsu Section of Shanghai-Nanjing Expressway (excluding service areas) increases by not more than 5% in 2022 than that of 2021
Water consumption	ton	255,807.72	The water consumption of Jiangsu Section of Shanghai-Nanjing Expressway (excluding service areas) increases by not more than 5% in 2022 than that of 2021
Emissions	ton	1.7377	The emissions of Jiangsu Section of Shanghai-Nanjing Expressway (excluding service areas) increase by not more than 5% in 2022 than those of 2021
Non-hazardous waste discharge	ton	246.19	The non-hazardous waste discharge of Jiangsu Section of Shanghai-Nanjing Expressway (excluding service areas) increases by not more than 5% in 2022 than that of 2021
Hazardous waste discharge	-	The hazardous waste generated from road maintenance along the Jiangsu Section, Shanghai-Nanjing Expressway (excluding service areas), including waste asphalt residue, seam tape, and potting adhesive, are 100% recycled	The hazardous waste generated from road maintenance along the Jiangsu Section of Shanghai-Nanjing Expressway (excluding service areas), including waste asphalt residue, seam tape, and potting adhesive, are 100% recycled

Climate Risk Management

Climate change has emerged as one of the major challenges faced by the international community. The safe and smooth operation of expressways is especially susceptible to extreme weather conditions. The Company values the capacity building for adapting to climate change, especially extreme weather events. We strictly follow the *Three-Year Action Plan for Reducing Carbon Emissions of the Transportation Sector in Jiangsu Province (2021-2023)*, and have formulated the *Emergency Plan for Severe Weather and Road Deicing*, which specifies emergency treatment measures for bad weather conditions like freezing rain. Besides, we continue to reinforce research cooperation with the transportation and meteorological departments. Focusing on the resilience of different highways or high-level highways to meteorological disasters, we have identified severe weather like heavy fog, snow and high wind, and extreme weather hazards that greatly impact visibility, like sand storm and rainstorm. We have formulated four-level contingency plans accordingly.

Safe and reliable operation of expressways can minimize economic losses and time costs incurred on stakeholders, including operating vehicles, drivers and passengers, and expressway operators, by extreme weather due to climate change. The Company regards climate risk management as an important ESG issue and has incorporated it into the daily agenda of the Strategy Committee under the Board of Directors. Leveraging on technologies like 5G and big data, we have strengthened the monitoring, early warning, as well as prevention and control of extreme weather events, and timely report on road conditions to the public. We strengthen training on emergency handling to improve the capabilities of management offices and personnel in all road sections. Besides, to further reduce the impact of our operations on climate change, we have upgraded the lighting facilities of all road sections under our management as well as electromechanical equipment in service areas to increase energy efficiency. During road maintenance, we use more environmental-friendly materials and energy-saving technologies to reduce carbon emissions and environmental impact.

Preparing the Company's dispatch network diagram for snow and ice removal in advance, and monitoring real-time temperature data of key road nodes



Carrying out a full-line inspection every two hours, sprinkling snow melting agents, and removing snow and ice on snow-covered road sections



Timely cleaning up snow in public areas and road areas managed by our toll stations to ensure good road conditions



Assigning guides at toll stations to guide vehicles into corresponding lanes in time and ensure safe and smooth traffic at toll stations



Conducting hidden hazard inspections in service areas



Providing scientific guidance for passing vehicles through accurate collection, compiling and release of weather and road conditions



Going all out to safeguard safe and smooth traffic of all road sections managed by Shanghai-Nanjing Expressway

Carbon dioxide emissions data

Indicator	Unit	2019	2020	2021	Increase/decrease compared with the prior year
Carbon dioxide emissions	ton	26,382	35,116	59,722.33	+70.07%
Scope 1 emissions	ton	-	2,055.64	3,670.89	+78.58%
Scope 2 emissions	ton	-	33,059.93	56,051.44	+69.54%
Carbon dioxide emission density	ton/km (operating mileage)	97.77	83.06	93.17	+12.04%
Scope 1 emission density	ton/km (operating mileage)	-	4.86	5.73	+17.90%
Scope 2 emission density	ton/km (operating mileage)	-	78.20	87.45	+11.83%

Note 1: Scope 1 emissions cover the emissions of liquefied petroleum gas and natural gas consumed by the Company's stationary sources, and the gasoline and diesel fuel consumed by the Company's mobile sources (passenger vehicles, freight vehicles, and construction vehicles). Scope 2 emissions include indirect GHG emissions associated with the purchase of electricity. *Note: The source of the converted coefficient of carbon dioxide equivalent emissions comes from the *Reporting Guidance on Environmental KPIs* issued by Hong Kong Stock Exchange. The source of the converted coefficient of electricity of East China Power Grid (0.7921 kg/kWh) is the *Baseline Emission Factor for China Regional Power Grid* in 2019 released by National Center for Climate Change Strategy and International Cooperation (NCSC).

Note 2: The Company attaches great importance to stakeholders and continues to strengthen environmental information disclosure. To disclose our environmental performance in a more effective manner, in 2021, the released environmental statistics covered those from Jiangsu Yangtze River Expressway Management Company Limited (hereinafter referred to as "Yangtze River Management Company"), Jiangsu Ninghu Investment Development Company Limited ("Ninghu Investment Company"), Jiangsu Ninghu Properties Company Limited ("Ninghu Properties Company"), Jiangsu Guangjing Xicheng Expressway Company Limited ("Guangjing Xicheng Company"), and Jiangsu Wufengshan Toll Bridge Company Limited ("Wufengshan Toll Bridge Company"). The environmental data disclosed in 2020 covered Jiangsu Expressway Company Limited, Ningchang Zhenli Company, Yangtze Commerce and Energy Company, and Zhendan Company. Also, since COVID-19 was mitigated to a certain extent in 2021, there was a rebound in energy consumption, leading to higher amount and density of CO₂ emissions.

Note 3: Environmental data density = environmental data / operating mileage (since the highway bridge of Wufengshan Toll Bridge was put into operation on 30 June 2021, and the environmental data of Yangtze River Management Company and Guangjing Xicheng Company were covered, the newly added road sections in 2021 included: Wufengshan Toll Bridge and North-South Connection Project ("Wufengshan Toll Bridge"), road sections managed by Yangtze River Management Company, Northern connection of Guangling-Jingjiang Section, Jiangyin Yangtze Bridge ("Guangjing Expressway") and Southern connection of Jiangyin-Wuxi Section, Jiangyin Yangtze Bridge ("Xicheng Expressway"). The road sections covered in 2020 were: Jiangsu Section of Shanghai-Nanjing-Changzhou Expressway, Lishui Guizhuang Hub-Changzhou South Interchange Expressway ("Ningchang Expressway"), Dantu Hub-Liyang Qianma Hub Expressway ("Zhenli Expressway") and Dantu Hub-Liyang Qianma Hub Expressway ("Zhendan Expressway"). The road sections covered in 2021 totaled 640.99 km.)

Green Operation

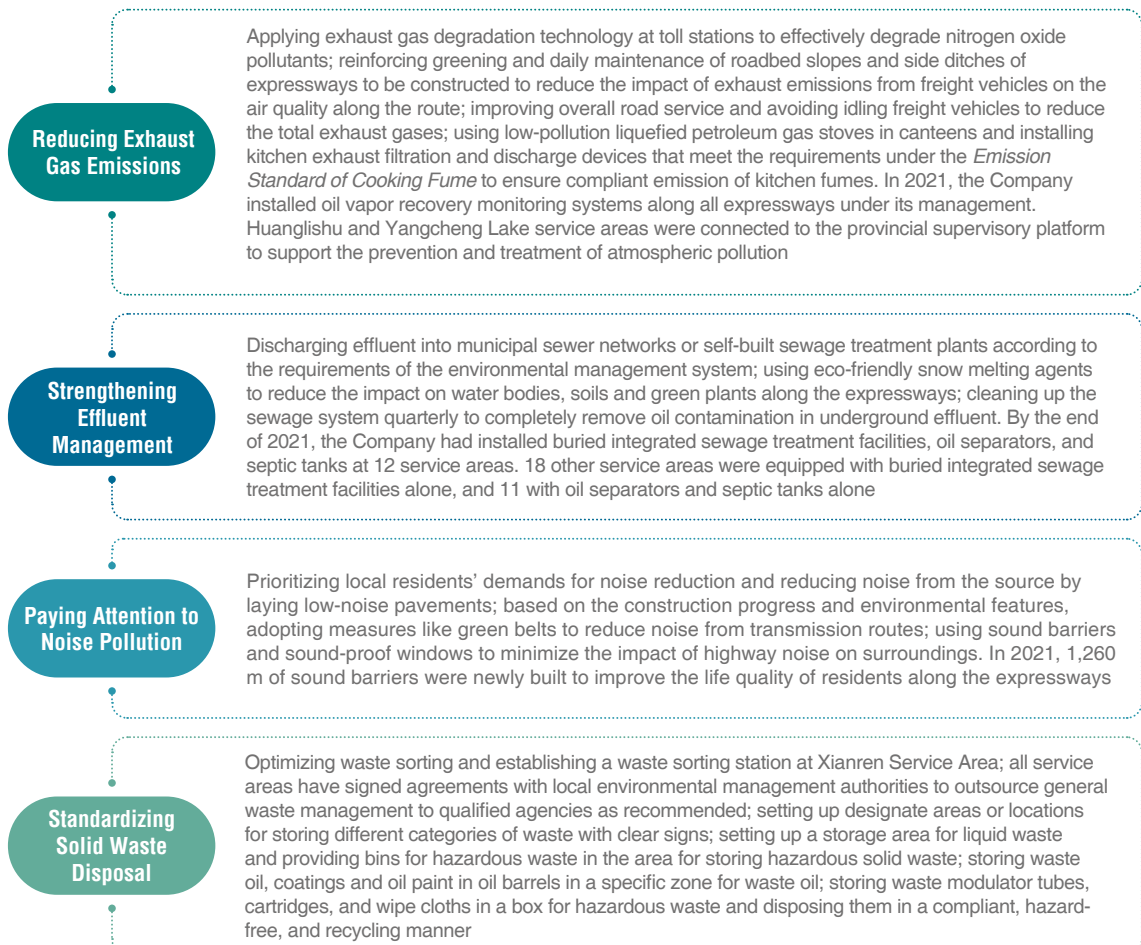
Response to indicators

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Being responsible for the environment, we have incorporated green development philosophy into daily operations, reduced pollutant emissions and constantly increased resource utilization efficiency. Green and low-carbon maintenance technologies are vigorously promoted across the Company to expand our brand impact.

Reduction of Pollutant Emissions

The Company strictly abides by laws and regulations on emissions of gas, sewage, and disposal of hazardous and non-hazardous solid waste, such as the *Environmental Protection Law*, *Air Pollution Prevention and Control Law*, *Water Pollution Prevention and Control Law*, *Law on the Prevention and Control of Environmental Pollution by Solid Waste*, *Soil Pollution Prevention and Control Law*, *Regulation of Jiangsu Province on the Management of Kitchen Wastes* and *Regulations on the Management of Domestic Waste Sorting in Suzhou*. In view of the increasingly severe environmental problems, the Company has entrusted specialized agencies with the task of helping it improve environmental management. We continue to set up noise-reduction facilities along the expressways, optimize tail gas degradation equipment, and properly operate and maintain sewage treatment facilities as well as tracking, sampling and examining the quality of effluent. The potential impacts of our operation on the environment and external stakeholders are under sound management.



Measures to reduce emissions

Rising to the Challenge of Climate Change

Jiangsu Expressway Company Limited 2021 Corporate Social Responsibility Report

Emissions data

	Category	Unit	2019	2020	2021	Increase/decrease compared with the prior year	Density	Unit
Exhaust	Emission of nitrogen oxides	ton	12.35	6.81	8.55	+25.55%	-	-
	Emission of sulfur oxides	ton	0.070	0.044	0.060	+36.36%	-	-
	Emission of particulate matters	ton	0.004	0.020	0.025	+25.00%	-	-
Waste Water	Discharge amount	ton	959,147	971,747	1,457,206	+49.96%	2,273.37	ton/km (operating mileage)
	Chemical oxygen demand (cod)	ton	10.83	19.43	14.23	-26.76%	0.0222	ton/km (operating mileage)
Hazardous wastes	Waste chemical materials and their packages and containers	piece	36	0	313	-	0.4883	piece/km (operating mileage)
	Waste containers for paint and oil	piece	121	0	900	-	1.4041	piece/km (operating mileage)
	Oil-stained gloves	pair	5,472	0	5,984	-	9.3356	pair/km (operating mileage)
	Waste ink cartridges (including waste power)	piece	284	576	1,004	+74.31%	1.5663	piece/km (operating mileage)
	Waste cartridges	piece	588	1,016	1,277	+25.69%	1.9922	piece/km (operating mileage)
	Electronic wastes such as batteries	kg	113.08	150.41	237.26	+57.74%	0.3701	kg/km (operating mileage)
	Waste fluorescent lamps	kg	155.04	253.90	270.15	+6.40%	0.4215	kg/km (operating mileage)
Non-hazardous wastes	Paper	ton	8.37	138.77	53.25	-61.63%	0.0831	ton/km (operating mileage)
	Kitchen wastes	ton	1,404.74	2,340.76	2,659.82	+13.63%	4.1496	ton/km (operating mileage)
	Plastic	ton	0.93	4.96	14.39	+190.12%	0.0225	ton/km (operating mileage)
	Metal	ton	0.82	2.36	11.61	+391.95%	0.0181	ton/km (operating mileage)
	Wood products	ton	1.68	3.27	11.90	+263.91%	0.0186	ton/km (operating mileage)

Note 1: The Company attaches great importance to stakeholders and continues to strengthen environmental information disclosure. To disclose our environmental performance in a more effective manner, in 2021, the released environmental statistics covered those from Yangtze River Management Company, Ninghu Investment Company, Ninghu Properties Company, Guangjing Xicheng Company, and Wufengshan Toll Bridge Company. The environmental data disclosed in 2020 covered Jiangsu Expressway Company Limited, Ningchang Zhenli Company, Yangtze Commerce and Energy Company, and Zhendan Company. Also, since COVID-19 was mitigated to a certain extent in 2021, there was a rebound in emissions of exhaust, waste water, hazardous waste, and non-hazardous waste, leading to higher amount and density.

Note 2: Environmental data density = environmental data / operating mileage (since the highway bridge of Wufengshan Toll Bridge was put into operation on 30 June 2021, and the environmental data of Yangtze River Management Company and Guangjing Xicheng Company were covered, the newly added road sections in 2021 included: Wufengshan Toll Bridge, road sections managed by Yangtze River Management Company, Guangjing Expressway and Xicheng Expressway. The road sections covered in 2020 were the Jiangsu Section of Shanghai-Nanjing Expressway, Ningchang Expressway, Zhenli Expressway and Zhendan Expressway. The road sections covered in 2021 totaled 640.99 km.)

Note 3: Calculations:

1. Nitrogen oxides

Gasoline: Emitted nitrogen oxides (ton) = Mileage (km) x the emission coefficient of nitrogen oxide (g/km) / 1,000,000

Diesel: Emitted nitrogen oxides (ton) = Mileage (km) x the emission coefficient of nitrogen oxide (g/km) / 1,000,000

Natural gas: Emitted nitrogen oxides (ton) = Natural gas consumption (m³) x 8 (kg/10,000m³)/1,000/10,000

2. Sulfur oxides

Gasoline: Emitted sulfur oxides (ton) = Gasoline consumption (L) x 0.0147 (g/L)/1,000,000

Diesel: Emitted sulfur oxides (ton) = Gasoline consumption (L) x 0.0161 (g/L)/1,000,000

Natural gas: Emitted sulfur oxides (ton) = Natural gas consumption (kg) x sulfur content of natural gas x 0.85 x 2 x 10 / 1,000

3. Particulate matters (PM)

Gasoline: PM emission (ton) = Mileage (km) x the emission coefficient of PM (g/km) / 1,000,000

Diesel: PM emission (ton) = Mileage (km) x the emission coefficient of PM (g/km) / 1,000,000

Note 4: Emission coefficients for gasoline and diesel come from *Reporting Guidance on Environmental KPIs* issued by Hong Kong Stock Exchange.

Note 5: Emission coefficients for nitrogen oxides from natural gas and effluent are from *Applicable Emission Coefficients and Material Balance Methods Not Covered by the Emission Permit Management System* (Trial). The coefficient for effluent is 0.8, the mean value.



Recovering oil vapor in three links to reduce pollutant discharge

Evaporated oil exists to certain extent in three links of operation, i.e., loading and unloading at the gas station, storage, and refueling. Volatile organic compounds (VOCs) will be generated during the evaporation, endangering the atmospheric environment. In line with the *Notice of the People's Government of Jiangsu Province on Printing and Distributing Implementation Plan for the Three-Year Action Plan of Jiangsu Province to Fight Air Pollution*, Jiangsu Expressway has installed automatic monitoring devices for oil vapor recovery at six pairs of its self-operated gas stations. After three times of recovery, about three tons of oil vapor will be recovered per 10,000 L refined oil products, equivalent to a reduction of three tons of VOCs, cutting emissions while enhancing energy efficiency through recycling.

Resource Efficiency Improvement

The Company abides by the Chinese laws, such as *Energy Conservation Law*, *Cleaner Production Promotion Law*, and other relevant regulations. We have formulated the *Administrative Regulations for Energy and Resources Control* to integrate the energy consumption statistics (including natural gas, liquefied petroleum gas, water, electricity, and gasoline) of all units into the performance appraisal. Based on the analysis of annual energy consumption of each unit, we have urged all units to save electricity and reduce the electricity cost during operation.

When renovating old service areas or building new service areas, the Company incorporates environmental protection requirements into the bidding rules to ensure that the service area is energy-efficient and environmental-friendly. All our service areas apply LED lights and use wind and solar power for outdoor lighting to improve energy efficiency. And we equip all our service areas with new energy charging piles to promote green and energy-saving travel among the public. High-consuming electrical appliances have been replaced by energy-saving ones, and fuel gas has been replaced by clean electricity. More efforts are put into the “transportation plus” program. We have actively engaged in the renovation of Maoshan Service Area and Gehu Service Area, and promoted the use of new energy by setting up charging piles across our service areas. In addition, we devote ourselves to making new breakthroughs in “transportation + service area” in partnership with local authorities.

We aim to control both the total amount and intensity of water consumption. The water used for our business activities is from the municipal water supply network instead of natural water. At the same time, we collect rainwater and adopt other measures to recover more water resources. We measure water usage regularly to reduce water consumption, and timely maintenance of relevant equipment to avoid plugging issues.



In 2021, Meicun Service Area of Shanghai-Nanjing Expressway passed the acceptance check for Jiangsu Provincial Energy-Saving Expressway Service Area Pilots, becoming **one of the first energy-saving expressway service areas** in the province

Energy consumption data

Energy type	Indicator	Unit ^{Note 2}	2019 ^{Note 3}	2020 ^{Note 3}	2021	Increase/decrease compared with the prior year
Direct energy consumption ^{Note 5}	Liquefied petroleum gas	kg	66,794	35,462	44,824	+26.40%
	Natural gas	m ³	208,080	200,298	191,519.22	-4.38%
	Gasoline	L	108,489	233,579	418,314.81	+79.09%
	Diesel oil	L	443,092	496,732	662,711.65	+33.41%
Total direct energy consumption		tce	773	920	1,592.02	+73.05%
Density of indirect energy consumption ^{Note 1}		tce /km (operating mileage)	2.86	2.18	2.48	+13.76%
Indirect energy consumption	Electricity consumption	kWh	30,493,693	41,737,067	70,763,085.58	+69.54%
Total indirect energy consumption		tce	3,748	5,129	8,696.78	+69.56%
Density of indirect energy consumption ^{Note 1}		tce /km (operating mileage)	13.89	12.13	13.57	+11.87%
Water consumption		ton	1,056,175	893,584	1,996,142.72	+123.39%
Water consumption density		ton/ km (operating mileage)	3,914.08	2,114	3,114.16	+47.31%
Total amount of packaging materials used for finished products ^{Note 4}		ton	Not applicable	Not applicable	Not applicable	Not applicable

- Note 1: The Company attaches great importance to stakeholders and continues to strengthen environmental information disclosure. To disclose our environmental performance in a more effective manner, in 2021, the released environmental statistics covered those from Yangtze River Management Company, Ninghu Investment Company, Ninghu Properties Company, Guangjing Xicheng Company, and Wufengshan Toll Bridge Company. The disclosed environmental data in 2020 covered Jiangsu Expressway Company Limited, Ningchang Zhenli Company, Yangtze Commerce and Energy Company, and Zhendan Company. Also, since COVID-19 was mitigated to a certain extent in 2021, there was a rebound in the direct and indirect energy consumption, increasing the amount and density of energy consumption.
- Note 2: Environmental data density = environmental data / operating mileage (Since the highway bridge of Wufengshan Toll Bridge was put into operation on 30 June 2021, and the environmental data of Yangtze River Management Company and Guangjing Xicheng Company were covered, the newly added road sections in 2021 included: Wufengshan Toll Bridge, road sections managed by Yangtze River Management Company, Guangjing Expressway and Xicheng Expressway. The road sections covered in 2020 were the Jiangsu Section of Shanghai-Nanjing Expressway, Ningchang Expressway, Zhenli Expressway and Zhendan Expressway. The road sections covered in 2021 totaled 640.99 km.)
- Note 3: The converted standard coal coefficient of natural gas in 2019 and 2020 equals to the mean value of oil field and gas field natural gas, which in 2021, is that of oil field gas.
- Note 4: Not applicable to the Company. No packaging material is used in the Company's business.
- Note 5: The average lower heating value (net calorific value) of a fuel is calculated according to *General Principles of Comprehensive Energy Consumption Calculation (GB/T 2589-2008)*.

Green Maintenance

Jiangsu Expressway endeavors to advance green transportation and continues to enrich the content of green maintenance. We promote the use of renewable materials such as seam tape and potting adhesive to reduce waste. Non-stick wheel emulsified asphalt is widely applied and high-power vacuum sweepers are put in place to explore the new model of intelligent maintenance. To make new breakthroughs in green maintenance of roads and bridges, we also apply the green and high-efficiency materials and energy like recovered geothermal energy, electric maintenance vehicle and in-situ thermal regeneration technology to curb carbon emissions. In 2021, aiming to deliver more accountable and stable, durable and efficient maintenance, we conducted a number of research projects including *Low-carbon Operation of Expressways and Technologies Contributing to Carbon Neutrality*.



In 2021

The Company's recycling rate of waste asphalt residue and other waste materials reached

100%

The usage rate of seam tape, potting adhesive, and other low-carbon maintenance materials reached

100%

Environment Protection

The Company actively advocates green office and low-carbon life. By organizing environmental management training and environmental campaigns, we strive to raise employees' environmental awareness, and encourage them to develop green and low-carbon lifestyle and consumption behaviors.

Formulating regulations like the Management Measures for Low-value Consumables, Management Measures for Personal Protective Equipment against COVID-19, and Regulations on the Use of Water and Electricity in Dormitories; installing energy-saving lamps and preventing lighting during daytime, lamps burning all night long, and unattended use of lighting; avoiding unattended use of air conditioners, and preferring green light source and natural ventilation; turning off equipment in the office when leaving; encouraging work through the Internet and eliminating excess consumption of paper, ink, and electricity and pollution; using buckets to collect water that can be reused

Launching *Low-Carbon Life Initiative*; signing the commitment of "promoting low-carbon life, creating green future"; posting articles on environmental knowledge promotion, including "10 Ways to Pass a Green Hour", "10 Good Habits to Save Energy", and "Energy Saving Tips at Home"

Advocating the Low-carbon Concept

Creating a Green Workplace

Promoting Green and Low-carbon Travel

Advocating the low-carbon travel model of "shuttle bus + bicycle + on foot"; launching the "135" green travel initiative and brisk-walking cloud challenge; encouraging employees to share rides and maintain vehicles regularly to reduce exhaust gas emissions

Energy conservation and emission reduction measures



Publishing the initiative on "saving energy and cutting carbon emissions for green development"

The Company gives full play to the role of ecological development and energy conservation in driving green actions. In 2021, we published the initiative on "saving energy and cutting carbon emissions for green development", aiming to be a model in developing green and low-carbon development visions, saving energy across offices, using energy scientifically in engineering projects, boosting energy efficiency in operation and management, and providing supporting service to ensure proper use of energy. We hope to make contributions to the cause of green, low-carbon and circular development.



Planting trees

Guarding the Local Ecology

Response to indicators

A3 A3.1

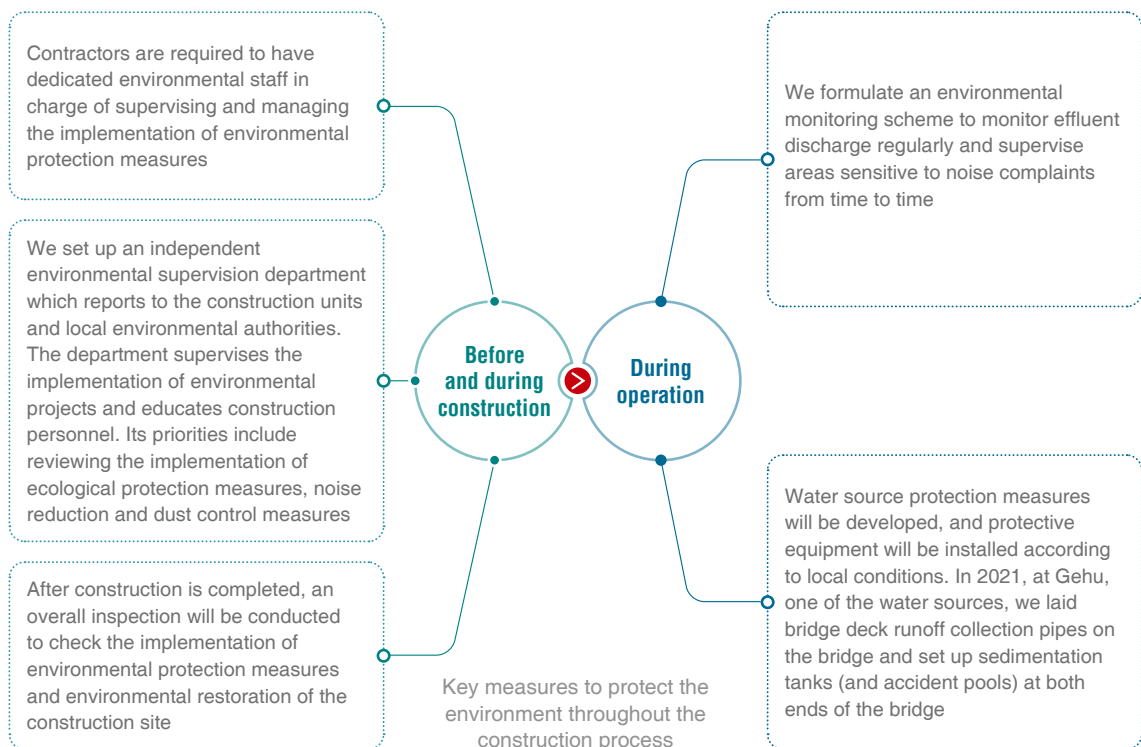
Jiangsu Expressway always safeguards the bottom line of ecological protection. Centering on the maintenance goals of creating “smooth, safe, comfortable, and beautiful” expressways, we deploy an array of pruning vehicles and guard bar cleaning vehicles in an orderly manner to clean guard bars, trim trees, and adjust markings along the expressways. We make reasonable and diversified afforestation plans, and plant trees, bushes, and aquatic plants along the roads. A complete drainage system has been set along the whole route, and an independent, sound and smooth expressway drainage system has been formed based on roadbed and drainage ditches, pavement shoulders and bridge and culvert structures. All roads involving sensitive water bodies have been equipped with a bridge deck runoff collection system to guide the runoff to disposal systems at both ends of the bridge through PVC pipes underneath the bridge deck. We have also strengthened daily maintenance of the road drainage systems, and dredge regularly to ensure smooth drainage, striving to realize perfect coexistence of road construction & operation and ecological environment.

The Company continuously strengthens the greening and daily maintenance of the roadbed slopes and side ditches of expressways to be built, to alleviate the impact of exhaust gases on the air quality along the route. We conduct environmental impact assessment before the start of major projects, carry out environmental monitoring throughout the construction period, restore the local ecosystem through refilling borrow pits, greening and relocation, and especially avoid causing pollution to the surrounding environment during construction. In 2021, we did not cause large-scale damage to the surrounding ecological environment of our expressways and wildlife under special state protection.



In 2021, the total length of the green belts on our expressways reached

901.458 km.







Developing Win-win Partnerships for Better Future

Response to indicators

B1 B2 B3 B4 B5 B8

As a key element in driving regional economic growth and ensuring social harmony, expressways underpin the development of society and economy. Adhering to the social responsibility philosophy of “guarding safety and marching towards the future”, Jiangsu Expressway deepens cooperation with partners, leads the industry development, cares for employees, shares development achievements, and devotes to public welfare, contributing to the building of a better community.

Win-win Partnership

Response to indicators

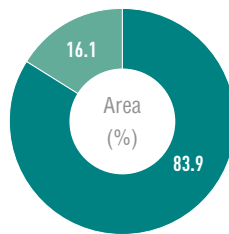
B5.1 B5.2 B5.3 B5.4

Committed to building win-win partnership, we actively work with suppliers, industrial associations and institutes, as well as partners to share results, set examples, and propel the high-quality development of the industry.

Responsible Procurement

Integrating our work principles of “standardization, efficiency, fairness, and integrity” into the procurement management, we abide by *Bidding and Procurement Management Measures*, *Supplier Management Measures* and *Management Rules for Environmental Impact Control of Stakeholders* to ensure a transparent procurement process with full information disclosure, and ensure that the bidding is organized in line with the standards and procedures and in an information-based manner.

In order to improve service efficiency, procurement quality and service level, we launch trainings on the platform, method, authority, and compliance of procurement for relevant personnel. We update the procurement management platform, further standardize the procurement process, and strengthen the audit, interpretation and maintenance throughout the procurement. When selecting suppliers, we take into full account the supplier's performance in business compliance, environmental protection, energy conservation and emission reduction, as well as occupational health and safety. We also review the supplier's quality aspects such as the environmental management system, and health and safety management system, and specify the provisions of observing business ethics, as well as applying energy-saving and environmentally friendly materials, and energy-saving and emission reduction technologies in contracts. In the on-site management and post evaluation, we organize relevant departments into conducting supplier performance appraisal and inspection in business compliance, quality, environmental protection, as well as occupational health and safety. We urge suppliers to resolve the identified problems in a timely manner, further standardize procurement and ensure the efficiency of the procurement supply chain. In 2021, we signed contracts with 713 suppliers and drew up the *Negative Behaviors List in Procurement*.



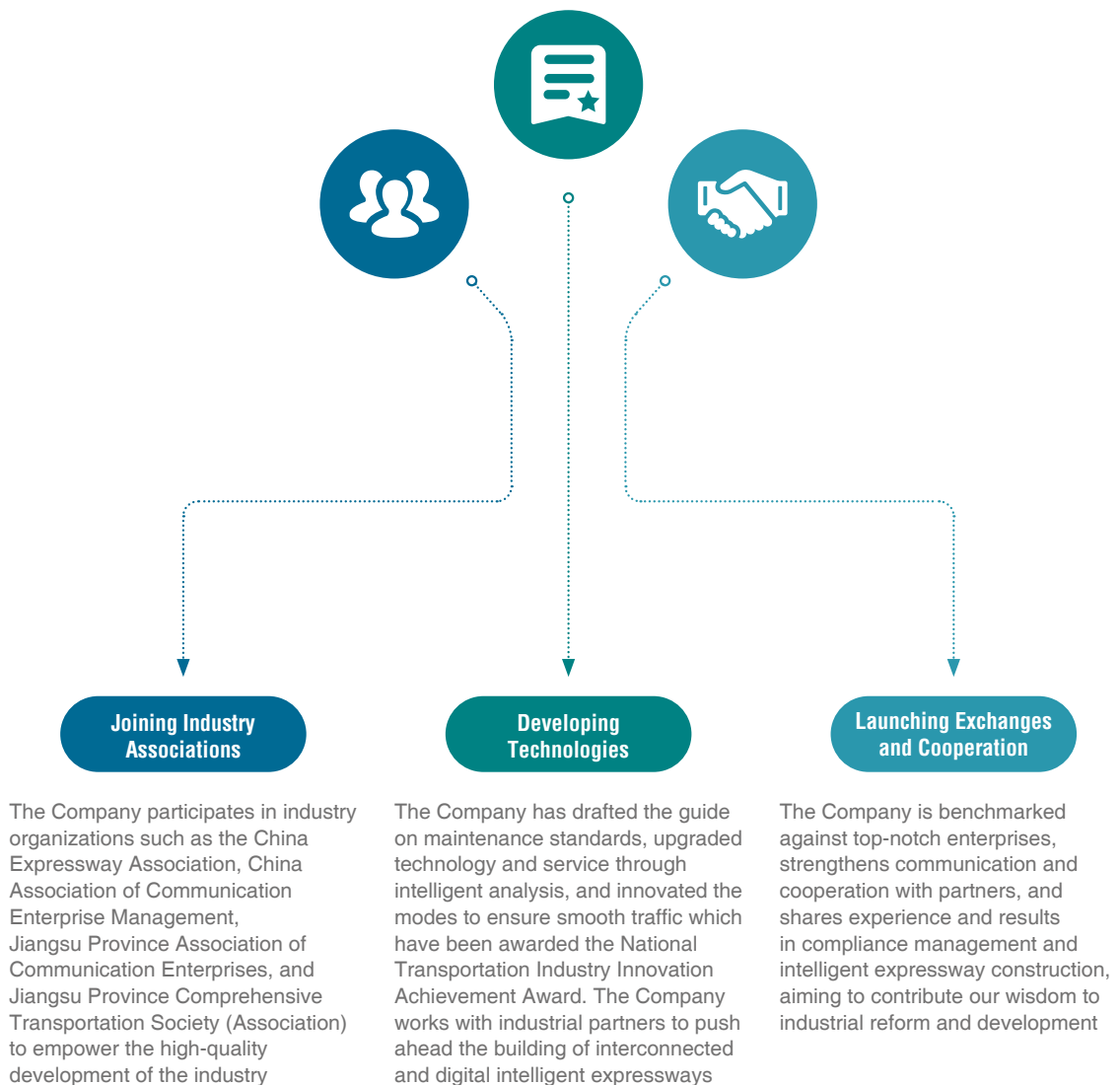
■ Jiangsu Province ■ Other regions

Number of suppliers by geographical distribution

Note: Other regions include South China, North China, Southwest China, Northwest China, Northeast China, Central China, and overseas areas.

Boosting Industrial Development

Together with our partners, we participate in industry associations and exchange activities to enhance influence of the industry, conduct special researches to push for in-depth integration of high and new technologies with the transportation industry, and set a demonstration model, contributing to the strategy of building Jiangsu into a province with strong transportation network and facilitating the high-quality development and operation of national expressways. In 2021, the detailed outline of professional skill appraisal of levels 3-5 hindrance clearance, toll operation and maintenance personnel successfully passed the provincial review, taking a solid step forward to fill the gap in the industry.



Measures to boost industrial development

Employee Development

Response to indicators

B1.1 B1.2 B2.3 B3.1 B3.2 B4.1

Upholding the “people-oriented” management philosophy, Jiangsu Expressway regards employees as the most valuable asset. We respect and care for employees, safeguard their legitimate rights and interests, and provide multi-channel career paths to encourage their growth and share development achievements with our employees.

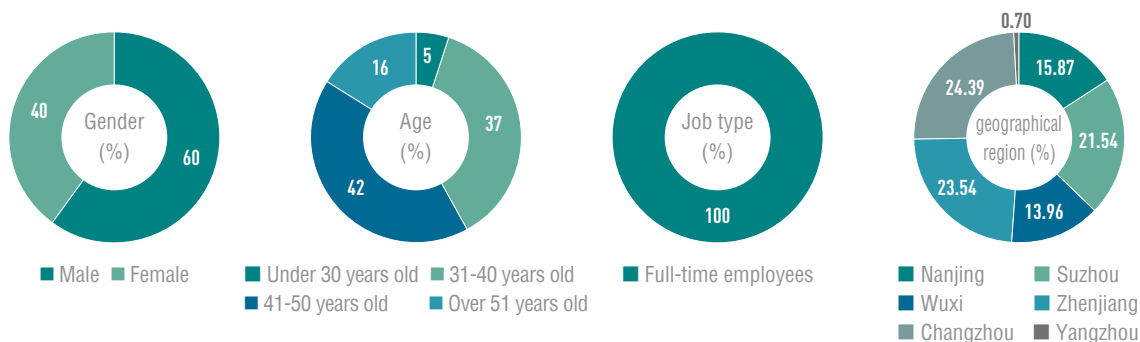
Protection of Employees’ Rights and Interests

Jiangsu Expressway attaches great importance to and protects legitimate rights and interests of our employees, strictly abides by relevant national and local laws and regulations, including the *Labor Law*, *Labor Contract Law*, *Employment Promotion Law*, the *Social Insurance Law* and *Regulations on Salary Payment of Jiangsu Province*, and persists in fair and equal employment. In addition to prohibiting the discriminatory terms on gender, nationality, religious belief, etc. in the recruitment, we will not recruit minors under the age of 16. The identity information of new recruits is strictly reviewed, and the candidates will be refused if any violations in recruitment are found. When we sign contracts with suppliers and contractors, child labor and forced labor in any forms are explicitly stipulated in accordance with the provisions of the *Labor Law*. Any violations will lead to a termination of our cooperation. Besides, we provide equal employment opportunities for male and female employees of different ages, ethnicities and education backgrounds, ensuring a diverse corporate atmosphere. During the reporting period, there were no violations or negative incidents in the Company. By the end of 2021, the Company had a total of 3,862 employees.

Adhering to the people-oriented concept, the Company has gradually improved the management system that caters to the modern corporate human resources management and fits the reality of the Company according to the requirements of “clear responsibility, standardized operation, competence and high efficiency, harmony and integration”. In accordance with the national and local laws and regulations and other requirements, the Company has formulated *Human Resources Management Measures*, *Employee Rewards and Punishment Management Measures (Trial)*, *Regulations on Performance Assessment* and *Compensation Management Rules (Interim)*, to develop rational plans for the introduction and development of talents and optimize the allocation of human resources. The Company has improved the performance appraisal system and salary distribution plan to enhance the standardization and scientific management of performance evaluation and boost employees’ motivation. Also, the Company upgrades the talent selection, introduction, recruitment, cultivation and promotion mechanism, and builds teams of management, technical personnel and staff for the Company’s long-term development. In respect of employee rewards, the Company insists on combining spiritual and material rewards, with the former ones being preferred. For employees who violate disciplines, the Company highlights education and takes punishment as a complementary measure. For serious disciplinary violations, the Company will give prior notices to the relevant employees concerning the termination of their labor contracts.

The Company adheres to the principle of performance-related pay. Based on salary cap control, we tie salary distribution to performance assessment, pay employees on time and in full, and improve the compensation and benefits system. In strict accordance with national regulations, we provide employees with social insurances and housing fund, formulate the *Regulations on Supplementary Medical Insurance Management* and provide fund-based insurance and critical illness insurance to supplement basic medical insurance for all employees and retirees, which also reduces the financial burden of employees who suffer from illnesses. The Company improves the *Enterprise Annuity Implementation Rules* to provide multi-level pension guarantee for retired employees. According to the *Enterprise Annuity Measures*, employees who completely lose working capability are eligible to apply for the enterprise annuity.

Jiangsu Expressway has divided the working hours of employees into day shifts and rotating shifts according to the *Regulations for Attendance Management of Employees*. Except for legal holidays, workers of the day shifts work 5 days a week and 8 hours a day; while for rotating shifts, we adopt the system of “working 4 days with 3 days off” and employees of rotating shifts work 40 hours per week. In order to guarantee employees’ right to take time off, apart from national statutory holidays, we offer 5 to 15 days of paid leave according to the *Regulations on Annual Paid Leave*. Besides, all employees can have paid sick leave, special casual leave, wedding and compassionate leave; female employees have maternity leave and miscarriage leave while male employees have paternity leave etc.



Employee structure based on gender, age group, employment type and geographical region

Employee turnover rate by gender, age group and geographical region

Category	Unit	2021
Turnover rate of male employees	%	0.0518
Turnover rate of female employees	%	0.7768
Turnover rate of employees under 30 years old	%	0.2071
Turnover rate of employees between 31 and 40 years old	%	0.4920
Turnover rate of employees between 41 and 50 years old	%	0.1036
Turnover rate of employees over 51 years old	%	0.0259

Category	Unit	2021
Turnover rate of employees from Nanjing	%	0.0777
Turnover rate of employees from Zhenjiang	%	0.0777
Turnover rate of employees from Changzhou	%	0.3884
Turnover rate of employees from Wuxi	%	0.1036
Turnover rate of employees from Suzhou	%	0.1813
Turnover rate of employees from Yangzhou	%	0

Jiangsu Expressway has established and improved systems of employee representative congress, transparent corporate governance, solicitation of employees' opinion, employee rational proposal and other relevant systems to facilitate democratic engagement and management and engage employees in corporate governance through multiple channels. By regularly holding employee representative conferences and meetings with trade union members, we listen to and discuss reports on corporate development and business operation, as well as reform plans and regulations concerning employees' interests; select employee representatives according to the law; and deliberate on matters that shall be passed by the employee representative conference according to laws, regulations and the *Articles of Association* to protect employees' rights to democratic decision-making, management and supervision and to share the reform and development outcomes with employees. In 2021, through the "two paths + three guarantees" democratic management system, that is, "participation through employee representatives and independent participation, together with guarantees of the organization, system and enterprise culture", we set up various communication platforms to make sure that employee opinion management is based on regulations, standards and laws.



In 2021, the labor contract signing rate reached

100%



In 2021, social insurance coverage reached

100%

Professional Development Channels

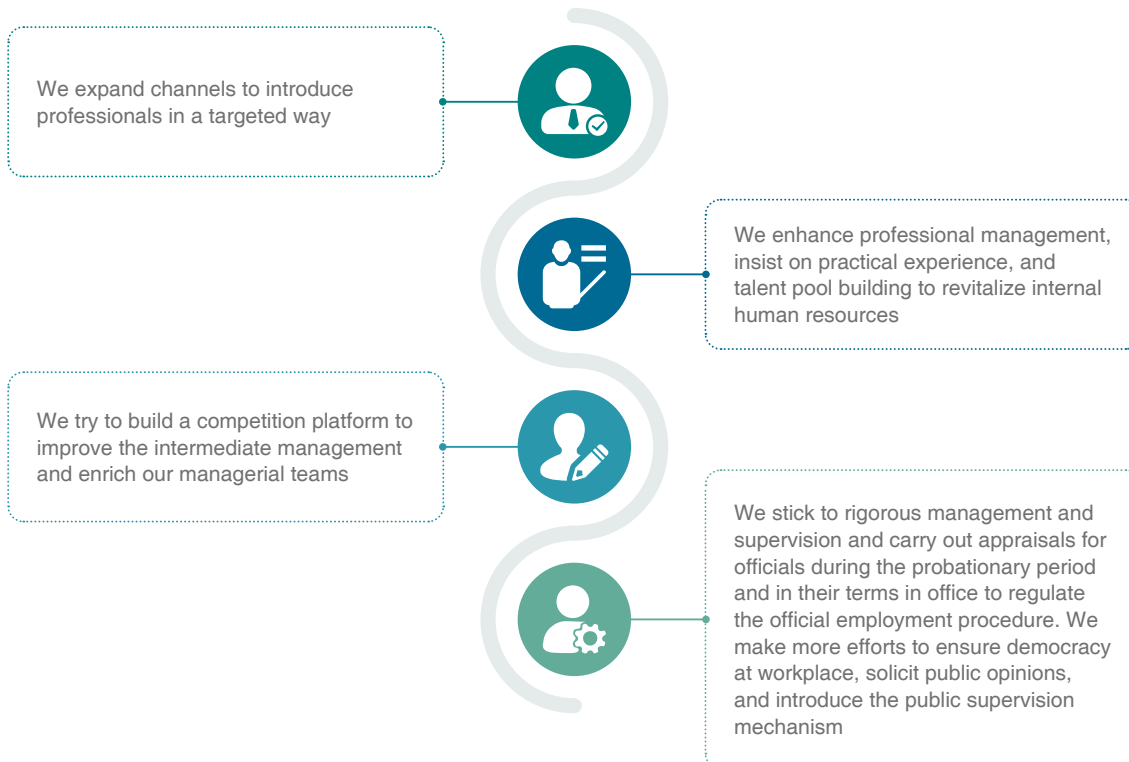
Employees are considered as the main driving force of our development. In line with the strategy of “talent-powered development”, Jiangsu Expressway actively builds teams consisting of technical talents with knowledge, skill, and innovation ability, expands the development channels for employees, taps into the core potentials of talents, and builds an excellent growth platform for them.

◎ Employee Development

To promote the reform of industrial workers, the Company independently certifies the skill level of hindrance clearance personnel, and has completed the certification specification, textbook and test database, and simulation certification, filling the gap in the industry. The Company strengthens the construction of three talent teams of “managerial, technical and skillful talents”, and has organized the maintenance, patrol and management training for the first time. We continue to encourage key personnel to serve temporary positions and the competitive employment of management personnel, and continuously strengthen the training of technical talents through engineering projects. In 2021, a total of 263 employees successfully participated in the vocational qualification exam for Level 5 Hindrance Clearance, and 29 employees took part in the 5-day maintenance and patrol management training. The Company further strengthened cooperation with Nanjing Forestry University, unveiled the “Jiangsu graduate workstation” and completed the first batch of talent exchange.

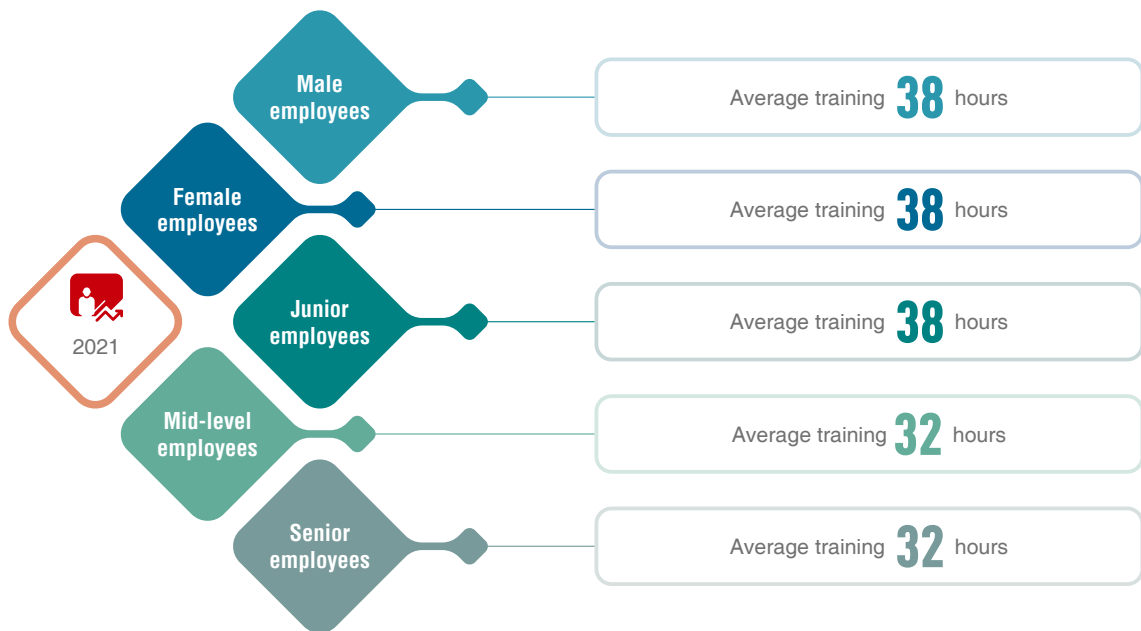
◎ Promotion Mechanism

Believing in “talent is the primary resource”, the Company actively improves the promotion mechanisms for employees, and specifies the requirements for selection, promotion and performance assessment of officials and staff to create a clear career path. The Company selects and introduces talents simultaneously to build diversified teams with knowledgeable, skillful and innovative talents. In 2021, we assessed and promoted 47 employees, and sent 14 employees to serve temporary positions in primary-level units.



© Diversified Training

The Company has developed a sound training system, and implemented the *Employee Education and Training Management System* for better management and development opportunities. The “mentor plan”, a special training program cultivating mentors within the Company, offers online and offline sessions with rich contents. The “two professional teams”, “three curriculum systems” and “four types of interdisciplinary talents” transform front line operators into well-rounded interdisciplinary talents by the certification of vocational skill level. We organize group discussions to research and discuss topics including safety management, team building, intelligent expressways, and stronger leadership. A series of courses such as “caring for employees with love” further disseminate our training experience. In 2021, the Company’s employee training coverage reached 100%, and each employee received an average of 38 hours of training.



“Mentor plan”, a special training program for internal mentors

Employee Care

Jiangsu Expressway actively creates a warm and harmonious working environment for employees, pays attention to employees' physical and mental health, and carries out various forms of recreational and sports activities to continuously enhance their senses of happiness, gain and satisfaction.

◎ Visiting Employees

Jiangsu Expressway visits employees during Chinese Spring Festivals, cares for employees with difficulties and helps them solve challenges in both work and life. In 2021, we gave a grant of over RMB 400,000 to the employee relief fund, and invested RMB 1.2 million in heatstroke and pandemic prevention supplies.

◎ Caring for Physical and Mental Health

To care for the physical and mental health of employees, Jiangsu Expressway carries out preliminary research on "green medical channel" to provide more accessible medical services for employees. Advocating "happy work, healthy life", we organize mental health training to improve employees' awareness of mental health and help them develop a positive mindset.



Physical fitness test for hindrance clearance personnel

The Company creates a comfortable and harmonious workplace for employees through the "happy Jiangsu Expressway" project, quarterly "staff's favorite canteen" appraisal and "cozy dorm" evaluation to improve employees' sense of happiness.



"Staff's favorite canteen" appraisal



Caring for employees through considerate services

Gehu Toll Station of Jiangsu Expressway sets up a multi-functional service station for employees. It provides legal advice and regular law popularization activities. It satisfies employees' need for medical services. A convenience store is set for daily necessities and a health center is equipped with devices, including a blood pressure meter and a blood lipid meter to care for employees in terms of their physical and mental health. Their health records can also be found at the center. There is also a reading area with a pleasant atmosphere in the station.



The service station of Gehu Toll Station

© Organizing Cultural and Sports Activities

As an advocate of the philosophy of “happy work, healthy life”, Jiangsu Expressway holds the “Tomb Sweeping Day - paying tribute to heroes” activity, Wufengshan Toll Bridge running competition, employees' work exhibition, and “Voice of Jiangsu Expressway” singing competition to create an atmosphere of unity and harmony within the Company.



“Voice of Jiangsu Expressway” singing competition



Lantern riddles competition on the Mid-autumn Festival



“Happy run” mini marathon for employees

Harmonious Communities

Response to indicators

B8.1 B8.2

Integrating love into beautiful community building, Jiangsu Expressway contributes to the co-development of enterprises and the society, and supports the rural vitalization strategy. Undertaking social responsibility, we are devoted to community public welfare, and encourage employees to participate in volunteer services to build a shared and harmonious society.

Rural Vitalization

In response to the call of the provincial Party committee, the provincial government, the provincial State-owned Assets Supervision and Administration Commission (SASAC), and Jiangsu Communications Holdings, Jiangsu Expressway gives full play to our advantages in transportation, implements targeted policies and contributes to the vitalization of rural areas. In 2021, the Company carried out the village-enterprise assistance activity, and set up sales counters in service areas to expand the sales channels of agricultural and sideline products. We granted RMB 570,000 to three aided-construction projects in Shuangxi Village, Dazhou Town, Xinghua City, opening a new chapter in the village-enterprise partnership. We also held the square-dancing competition to improve villagers' happiness and granted RMB 400,000 as counterpart assistance to Guannan County. We launched the online fund-raising activity for the "college dream" student aid project and the "pandemic prevention at service areas" volunteer activities.



Stage for people in Shuangxi Village enriches villagers' life

Community Volunteer Activities

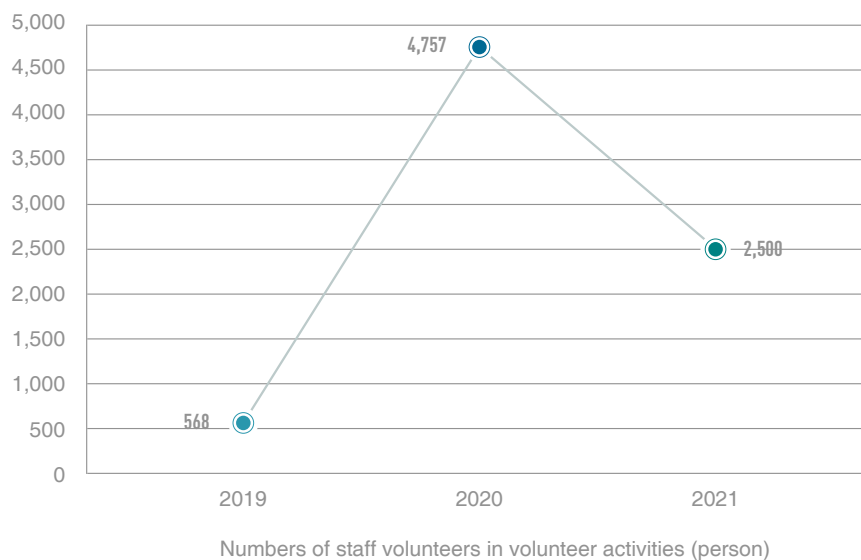
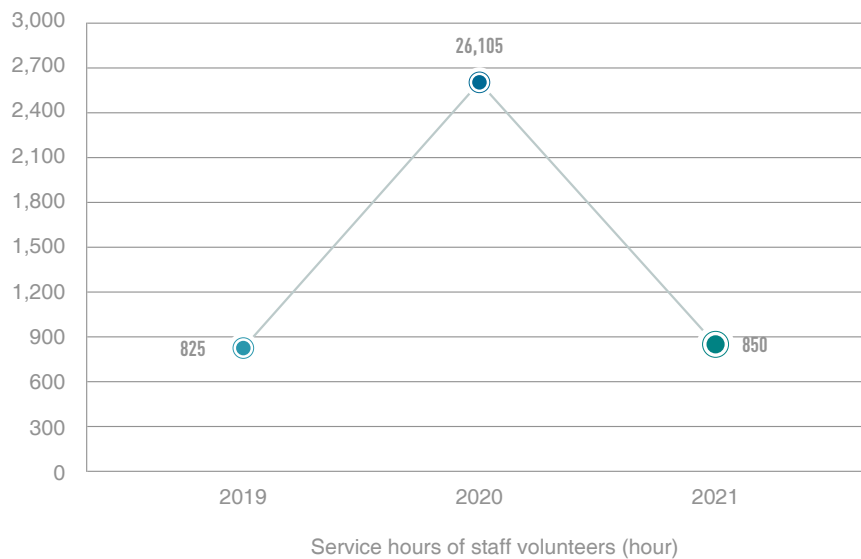
Jiangsu Expressway is committed to community public welfare and volunteer services. In the volunteer spirit of “dedication, friendship, mutual assistance and progress”, we give full play to young volunteers. We have held several public welfare activities such as the “Donation Day”, “Clothes Donation”, “Bringing Love to the Mountains”, visiting the seniors on the Double Ninth Festival, and establishing “Yafu volunteer team” to pass on warmth and love. In 2021, we organized 2,500 employees into participating in volunteering activities.



Jiangsu Expressway's “Yangguang Sumo” volunteer project wins the

Nomination for the Top Ten Young Volunteer Service Projects in Jiangsu Province

making us the only provincial enterprise to win the honor.



Passing on love through good deeds

To safeguard the healthy growth of children with disabilities, the Trade Union of Changzhou Toll Station of Jiangsu Expressway, together with the “Sunshine” young volunteers, launched the “Care for children with autism” project in Xingxing Yizhan (Tianning Campus). Volunteers brought gifts such as educational toys to children, and allow them to have more contact with the outside world through games for better integration into the society. Through these efforts, we aim to draw society-wide attention to this group of children, and convey our love and hope.



The “Care for children with autism” project



“Clothes donation” public welfare activity



“Female volunteer team” is offering gardenia to drivers

Appendixes

Report Description

The Board of Directors (the “Board”) and the directors of the Company guarantee that there are no false representations, misleading statements or material omissions from this report, and assume joint and several liability for the truthfulness, accuracy and completeness of the contents of this report.

Reporting Objectives

Jiangsu Expressway Company Limited has released social responsibility report annually since 2009 to disclose the Company’s social responsibility philosophy, management practices and performance to the shareholders, creditors, employees, customers and other stakeholders. We hope that this report will serve as a bridge for communication and interaction with all sectors of the society, whereby they could have a better understanding of the Company. At the same time, with the issuance of this report, we are subject to the oversight of all parties concerned, which will procure the Company to make further contributions to the sustainable development of the economy, society and environment.

Changes in Reporting Contents

This report is prepared in accordance with the Environmental, Social and Governance Reporting Guide(HK-ESG) issued by The Stock Exchange of Hong Kong Ltd., and GRI Sustainability Reporting Standards (GRI Standards) issued by the Global Sustainability Standards Board (GSSB). In this report, we give more detailed information on our disclosure on management approach (DMA) towards material topics and focus on measuring our performance in corresponding sustainability issues.

Reporting Period

The report mainly covers information about our management and practice from 1 January, 2021 to 31 December, 2021. For the purpose of complete and timely information disclosure, certain contents may extend beyond the stated period.

Reporting Cycle

This is an annual report and is the 13th corporate social responsibility report released by Jiangsu Expressway Company Limited. The last report was published in March 2021.

Reporting Boundary

The Report covers Jiangsu Expressway and 10 wholly-owned and holding subsidiaries (consistent with the scope covered by the consolidated financial statements). The quantitative data only covers the Jiangsu Expressway without special explanation.

Basis of Preparation

This report was prepared in accordance with Environmental, Social and Governance Reporting Guide(HK-ESG) issued by The Stock Exchange of Hong Kong Ltd., Guidelines on Preparation of CSR Reports and Notice on Further Improvement of Poverty Alleviation Work Performance Disclosure of Listed Companies issued by Shanghai Stock Exchange, GB/T 36001 Guidance on Social Responsibility Reporting, GRI Sustainability Reporting Standards (GRI Standards) issued by the Global Sustainability Standards Board (GSSB) and Guidance on Social Responsibility (ISO 26000:2010) issued by International Organization for Standardization (ISO). It integrated relevant key guidelines and standards and highlighted the characteristics of the industry and the Company.

Information Source

All related materials, data and cases are provided by the Company and have been reviewed by relevant Departments.

Reference

To facilitate presentation and reading, “Jiangsu Expressway Company Limited” in this report also is referred to as, “Jiangsu Expressway”, “the Company” and “We”.

Report Access

The Report is available in Chinese and English versions. For any discrepancies between the two versions, the Chinese version shall prevail. You can download the electronic report on the website of Shanghai Stock Exchange and the Company’s website (www.jsexpressway.com). If you need a printed report or have any suggestion, please contact us as follows:

Department: Office of the Secretary of the Board
Tel.: 8625-84362700-301835 / 301836
Fax: 8625-84466643

E-mail: jsnh@jsexpressway.com

Address: No. 6 Xianlin Avenue, Nanjing, Jiangsu Province, the P.R.C

HK-ESG Content Index

	Indicators	Report Content	Page
A. Environmental			
Aspect A1- Emissions	General Disclosure Information on: (a) the policies; and (b) compliance with relevant laws and regulations that have a significant impact on the issuer relating to air and greenhouse gas emissions, discharges into water and land, and generation of hazardous and non-hazardous waste.	Rising to the Challenge of Climate Change -Environmental Management Rising to the Challenge of Climate Change -Green Operation	P27
	A1.1 The types of emissions and respective emissions data	Rising to the Challenge of Climate Change -Green Operation	P38-P39
	A1.2 Direct (Scope 1) and energy indirect (Scope 2) greenhouse gas emissions (in tonnes) and, where appropriate, intensity (e.g. per unit of production volume, per facility).	Rising to the Challenge of Climate Change -Environmental Management	P35
	A1.3 Total hazardous waste produced (in tonnes) and, where appropriate, intensity (e.g. per unit of production volume, per facility)	Rising to the Challenge of Climate Change -Green Operation	P38-P39
	A1.4 Total non-hazardous waste produced (in tonnes) and, where appropriate, intensity (e.g. per unit of production volume, per facility)	Rising to the Challenge of Climate Change -Green Operation	P39
	A1.5 Description of emission target(s) set and steps taken to achieve them.	Rising to the Challenge of Climate Change -Environmental Management	P33-P34
	A1.6 Description of how hazardous and non-hazardous wastes are handled, and a description of reduction target(s) set and steps taken to achieve them.	Rising to the Challenge of Climate Change -Green Operation	P36
Aspect A2- Use of Resources	General Disclosure Policies on the efficient use of resources, including energy, water and other raw materials	Rising to the Challenge of Climate Change -Environmental Management Rising to the Challenge of Climate Change -Green Operation	P32
	A2.1 Direct and/or indirect energy consumption by type (e.g. electricity, gas or oil) in total (kWh in'000s) and intensity (e.g. per unit of production volume, per facility)	Rising to the Challenge of Climate Change -Environmental Management	P42
	A2.2 Water consumption in total and intensity (e.g. per unit of production volume, per facility)	Rising to the Challenge of Climate Change -Green Operation	P42
Aspect A2- Use of Resources	A2.3 Description of energy use efficiency target(s) set and steps taken to achieve them.	Rising to the Challenge of Climate Change -Environmental Management	P33
	A2.4 Description of whether there is any issue in sourcing water that is fit for purpose, water efficiency target(s) set and steps taken to achieve them.	Rising to the Challenge of Climate Change -Environmental Management	P33

Indicators		Report Content	Page
Aspect A2- Use of Resources	A2.5 Total packaging material used for finished products (in tonnes) and, if applicable, with reference to per unit produced		Note: It is not applicable due to the business type of the Company.
Aspect A3- The Environment and Natural Resources	General Disclosure Policies on minimising the issuer's significant impact on the environment and natural resources	Rising to the Challenge of Climate Change -Environmental Management	P32
	A3.1 Description of the significant impacts of activities on the environment and natural resources and the actions taken to manage them	Rising to the Challenge of Climate Change -Green Operation	P37
Aspect A4- Climate Change	General Disclosure Policies on identification and mitigation of significant climate-related issues which have impacted, and those which may impact, the issuer.	Rising to the Challenge of Climate Change -Environmental Management	P34
	A4.1 Description of the significant climate-related issues which have impacted, and those which may impact, the issuer, and the actions taken to manage them.	Rising to the Challenge of Climate Change -Environmental Management	P34
B. Social			
Aspect B1- Employment	General Disclosure Information on: (a) the policies; and (b) compliance with relevant laws and regulations that have a significant impact on the issuer relating to compensation and dismissal, recruitment and promotion, working hours, rest periods, equal opportunity, diversity, anti-discrimination, and other benefits and welfare.	Developing Win-win Partnerships for Better Future -Employee Development	P49
	B1.1 Total workforce by gender, employment type (for example, full-time or part-time), age group and geographical region	Developing Win-win Partnerships for Better Future -Employee Development	P50
	B1.2 Employee turnover rate by gender, age group and geographical region	Developing Win-win Partnerships for Better Future -Employee Development	P50
Aspect B2- Health and Safety	General Disclosure Information on: (a) the policies; and (b) compliance with relevant laws and regulations that have a significant impact on the issuer relating to providing a safe working environment and protecting employees from occupational hazards.	Ensuring Steady and Sustainable Growth through Sound Governance -Building of Satisfactory Expressways	P24
	B2.1 Number and rate of work-related fatalities occurred in each of the past three years including the reporting year.	Ensuring Steady and Sustainable Growth through Sound Governance -Building of Satisfactory Expressways	P27
	B2.2 Lost days due to work injury	Ensuring Steady and Sustainable Growth through Sound Governance -Building of Satisfactory Expressways	P27
	B2.3 Description of occupational health and safety measures adopted, how they are implemented and monitored	Ensuring Steady and Sustainable Growth through Sound Governance -Building of Satisfactory Expressways	P24

	Indicators	Report Content	Page
Aspect B3-Development and Training	General Disclosure Policies on improving employees' knowledge and skills for discharging duties at work. Description of training activities	Developing Win-win Partnerships for Better Future -Employee Development	P52
	B3.1 The percentage of employees trained by gender and employee category (e.g. senior management, middle management)	Developing Win-win Partnerships for Better Future -Employee Development	P53
	B3.2 The average training hours completed per employee by gender and employee category	Developing Win-win Partnerships for Better Future -Employee Development	P53
Aspect B4-Labour Standards	General Disclosure Information on: (a) the policies; and (b) compliance with relevant laws and regulations that have a significant impact on the issuer relating to preventing child and forced labour.	Developing Win-win Partnerships for Better Future -Employee Development	P49
	B4.1 Description of measures to review employment practices to avoid child and forced labour.	Developing Win-win Partnerships for Better Future -Employee Development	P49
	B4.2 Description of steps taken to eliminate such practices when discovered.		Note: During the reporting period, there was no violation of relevant laws and regulations.
Aspect B5-Supply Chain Management	General Disclosure Policies on managing environmental and social risks of the supply chain	Developing Win-win Partnerships for Better Future -Win-win Partnership	P47
	B5.1 Number of suppliers by geographical region	Developing Win-win Partnerships for Better Future -Win-win Partnership	P48
	B5.2 Description of practices relating to engaging suppliers, number of suppliers where the practices are being implemented, how they are implemented and monitored	Developing Win-win Partnerships for Better Future -Win-win Partnership	P47
	B5.3 Description of practices used to identify environmental and social risks along the supply chain, and how they are implemented and monitored.	Developing Win-win Partnerships for Better Future -Win-win Partnership	P47
	B5.4 Description of practices used to promote environmentally preferable products and services when selecting suppliers, and how they are implemented and monitored.	Developing Win-win Partnerships for Better Future -Win-win Partnership	P47
Aspect B6-Product Responsibility	General Disclosure Information on: (a) the policies; and (b) compliance with relevant laws and regulations that have a significant impact on the issuer relating to health and safety, advertising, labelling and privacy matters relating to products and services provided and methods of redress.	Ensuring Steady and Sustainable Growth through Sound Governance -Building of Satisfactory Expressways -Quality Service	P22

	Indicators	Report Content	Page
Aspect B6-Product Responsi- bility	B6.1 Percentage of total products sold or shipped subject to recalls for safety and health reasons.		Note: It is not applicable due to the business type of the Company.
	B6.2 Number of products and service related complaints received and how they are dealt with	Ensuring Steady and Sustainable Growth through Sound Governance -Quality Service	P23
	B6.3 Description of practices relating to observing and protecting intellectual property rights.	Ensuring Steady and Sustainable Growth through Sound Governance -Corporate Governance	P09
	B6.4 Description of quality assurance process and recall procedures.		Note: It is not applicable due to the business type of the Company.
	B6.5 Description of consumer data protection and privacy policies, how they are implemented and monitored	Ensuring Steady and Sustainable Growth through Sound Governance -Quality Service	P31
Aspect B7-Anti-cor- ruption	General Disclosure Information on: (a) the policies; and (b) compliance with relevant laws and regulations that have a significant impact on the issuer relating to bribery, extortion, fraud and money laundering.	Ensuring Steady and Sustainable Growth through Sound Governance -Corporate Governance	P14
	B7.1 Number of concluded legal cases regarding corrupt practices brought against the issuer or its employees during the reporting period and the outcomes of the cases.	Ensuring Steady and Sustainable Growth through Sound Governance -Corporate Governance	P15
	B7.2 Description of preventive measures and whistle-blowing procedures, how they are implemented and monitored	Ensuring Steady and Sustainable Growth through Sound Governance -Corporate Governance	P15-P16
	B7.3 Description of anti-corruption training provided to directors and staff	Ensuring Steady and Sustainable Growth through Sound Governance -Corporate Governance	P14
Aspect B8-Com- munity Investment	General Disclosure Policies on community engagement to understand the needs of the communities where the issuer operates and to ensure its activities take into consideration the communities' interests	Developing Win-win Partnerships for Better Future -Harmonious Communities	P57
	B8.1 Focus areas of contribution (e.g. education, environmental concerns, labour needs, health, culture, sport)	Developing Win-win Partnerships for Better Future -Harmonious Communities	P58
	B8.2 Resources contributed (e.g. money or time) to the focus area	Developing Win-win Partnerships for Better Future -Harmonious Communities	P58-P59

Feedback Form

Thank you for reading Jiangsu Expressway Company Limited 2021 Social Responsibility Report. We highly value and are looking forward to receiving your feedback on our social responsibility performance and this report. Your suggestions and comments are valuable basis for us to continue to improve our quality of CSR disclosure and to promote our CSR management and practices. Please complete the form below and send it to us via mail or e-mail. We wholeheartedly appreciate your valuable suggestions!

What is your overall impression of this report?

☐ Very good ☐ Good ☐ Average ☐ Poor ☐ Very poor

How is the structure of this report?

☐ Well-designed ☐ Reasonable ☐ Average ☐ Ill-designed ☐ Unreasonable

How about the readability of this report?

☐ Very easy ☐ Easy ☐ Average ☐ Very hard ☐ Obscure

Which CST topics are your top concerns? (Multiple choice)

Governance

☐ Compliance ☐ Reform and transformation ☐ Information disclosure and communication
☐ Risk management ☐ Informatization

Economy

☐ Operating performance ☐ Road safety ☐ Smooth traffic
☐ Road quality ☐ Intelligent expressways ☐ Service innovation
☐ Complaints handling and dispute resolution ☐ Customer experience enhancement

Environment

☐ Green maintenance ☐ Pollution control ☐ Low-carbon operation
☐ Natural ecology protection and beautification

Society

☐ Partner support ☐ Customer safety and health ☐ Labor and employment relations
☐ Working conditions and labor protection ☐ Employee training and development
☐ Community engagement

How is the disclosure of issues of your concern?

☐ Very comprehensive ☐ Comprehensive ☐ Touched hereupon
☐ Partially involved ☐ Barely mentioned

What kind of additional information do you expect to see in this report?

What are your suggestions on our corporate social responsibility performance or this report:

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