



江蘇寧滬高速公路股份有限公司  
JIANGSU EXPRESSWAY COMPANY LIMITED

Jiangsu Expressway Company Limited  
**Corporate Social Responsibility Report**

**2022**







The Road towards a Better Life





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# Message from the Chairman

陈云华

Secretary of the Party Committee and Chairman  
Jiangsu Expressway Company Limited





Responsibilities loom large like mountains, yet we shoulder the weight through decisive actions. In 2022, a momentous year marking the successful convening of the 20th CPC National Congress, the conclusion of the three-year state-owned (SOE) enterprise reform, and a pivotal period for high-quality development, we chartered our course of business development amid challenges. Committed to fostering safe and steady growth, we kept satisfying the public's demand for better travel and a better life, and collaborated with all sectors to shape a brighter future.

**Aligning ourselves with national strategy to fuel China's green development in the new era.**

We embraced a low-carbon, eco-friendly approach and enhanced environmental management in a scientific manner, continuously mitigating our operational impact on the environment. By actively exploring new energy business, we worked to reduce emissions and boost resource efficiency. Our commitment to minimizing noise, dust and waste from construction and operations, standardizing pollutant treatment, and safeguarding biodiversity remained strong, as to foster the sustainable, coordinated development of road traffic and regional environments. We also prioritized addressing the negative effects of climate change on transportation by regularly monitoring and evaluating related risks, refining emergency protection mechanisms, and working with stakeholders, such as traffic police and the Meteorological Bureau, to bolster road safety and smoothness during extreme weather conditions. Our unwavering dedication ensured the "golden artery" remained secure and unblocked.

**Upholding stable operations to enhance management quality, efficiency and safety.**

To improve investor relations management with better management, we standardized external reporting, improved disclosure quality, and promptly addressed new regulatory requirements. We have earned the Shanghai Stock Exchange's highest grade A in information disclosure assessment for three consecutive years. Internally, we fostered the development of our comprehensive risk control system, yielding a number of achievements such as *the Research Report of the Comprehensive Risk Control System Covering Legal Affairs, Compliance, Internal Control, and Risk Management*, and *Guidelines for the Comprehensive Risk Control System*. These accomplishments have enhanced our management efficiency and quality, earning us the title of "2022 Advanced Rule-of-Law Unit in the Highway Industry" from the China Highway & Transportation Society. Upholding the principle of "life first, safety foremost", we continuously improved our safe operation capabilities, addressed major risks, and prioritized the well-being of our employees and the traveling public. In 2022, we achieved our goal of "zero casualties" in construction and production, with no accountable work safety incidents.

**Deepening technological innovation to enable smart travel through digital transformation.**

We worked tirelessly to develop IT-based smart solutions for highway development, and drove innovation in engineering expertise, as well as smart transportation research and applications. By empowering ourselves with digital technologies, we strengthened our core competitiveness. In 2022, we developed the country's first cutting-edge integrated intelligent cloud control platform for roads and tunnels based on digital twin technology, which was then widely adopted. Utilizing the Science and Technology Innovation Fund, we fostered industry-education integration with projects such as "Key Technologies and Demonstration Applications of a New Generation of Wufengshan Expressway Facing the Future" and "25-year Efficient Asphalt Pavement Maintenance of Shanghai-Nanjing Expressway - Comprehensive Technology R&D, Tracking, Validation, and Demonstration" which were awarded the Grand Prize and the First Prize by the China Highway & Transportation Society, respectively. Our project "Traffic Capacity Optimization for Supersaturated Expressway Sections" won the "2022 Smart Expressway Award" of China Highway & Transportation Society.

**Fulfilling social responsibilities to create a shared quality life.**

Our goal is to provide both fast and smooth travel experience as well as quality service experience for the public, making the travel environment safe and satisfactory. To this end, we have rolled out "Jiangsu Expressway · Jasmine" activities that enhance our highway service and deliver welcoming and pleasant driving experience. We took pride in building the influence and reputation of the "Jiangsu Expressway · Jasmine" brand. We also upheld our social responsibility philosophy of "guarding safety and marching towards the future" by pursuing win-win partnerships, sharing development results with our employees, and contributing to a better community. In 2022, we received the honorary title of "National Demonstration Enterprise for the Creation of Harmonious Labour Relations".

With the wind in our sails, we will forge ahead with determination. As we move forward, we are ready to take the lead as a key player in the channel economy. We will accelerate the establishment of a modern industrial system and embark on a new journey to build a modern, strong, prosperous, and graceful Jiangsu Province with high-quality growth.



# Board Statement

Jiangsu Expressway Company Limited entrusts the Strategy Committee under the Board of Directors to lead the environmental, social and governance (hereinafter referred to as “ESG”) management and planning, 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 section “Identification of material topics” for details on identification and evaluation of key issues).

The Office of the Secretary to the Board is responsible for the Company’s ESG affairs. It formulates relevant management and implementation plans, reviews progress towards implementation, and reports directly to the management, the Strategy Committee and the Board so that the Board can effectively oversee the Company’s ESG management. Each year, the Board reviews the Company’s *ESG Report* and checks the progress of implementation against the pre-set ESG goals.

In 2022, the Company reviewed and evaluated its ESG issues, and the Board conducted a thorough review, discussion, and confirmation of the Company’s ESG achievements for the year. New ESG environmental goals for 2023 were also set by the Board.





江苏宁沪高速公路股份有限公司

JIANGSU EXPRESSWAY COMPANY LIMITED



# About Us

## Company Profile

Established in August 1992, Jiangsu Expressway Company Limited (hereinafter referred to as “the Company”) 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 Holding”) and having shares dealings on stock exchanges in Hong Kong, Shanghai and New York, and the only listed road and bridge company in Jiangsu Province. The Company is principally engaged in the investment, construction, operation and management of the Jiangsu section of Shanghai-Nanjing Expressway, and toll roads within Jiangsu Province owned or invested in by the Company, as well as the development of other fields (including transportation+ business mode, new energy business and the financial industry that promotes production through financing). Currently, the Company is expanding its businesses such as infrastructure construction, financial investment and gradually realize the transition of industrial upgrading and coordinated development of auxiliary business.

As of December 31 2022, the Company had seven wholly-owned subsidiaries, four non-wholly owned subsidiaries and fifteen investees, associates and joint ventures. Its total assets amounted to approximately RMB 78.458 billion, and net assets attributable to shareholders of the listed company reached approximately RMB 31.941 billion. It had a total of 4,798 employees.

## Honors and Awards

Honor/Award/Title	Issuer
Second Prize for Group Participants in the finals of the National Industry Vocational Skills Competition - the 13th National Transportation Industry Vocational Skills Competition	Ministry of Transport, Ministry of Human Resources and Social Security, All-China Federation of Trade Unions, and Central Committee of the Communist Youth League of China
National Demonstration Enterprise for the Creation of Harmonious Labor Relations	Ministry of Human Resources and Social Security, All-China Federation of Trade Unions, China Enterprise Confederation, and All-China Federation of Industry and Commerce
2022 Top 100 Advanced Enterprises in Corporate Education in China	Organizing Committee of Enterprises Education Top 100, China
2022 Advanced Rule-of-Law Unit in the Highway Industry	China Highway & Transportation Society
Key Technologies and Demonstration Applications of a New Generation of Wufengshan Expressway Facing the Future - Grand Prize for Scientific and Technological Progress	China Highway & Transportation Society
25-year Efficient Asphalt Pavement Maintenance of Shanghai-Nanjing Expressway: Comprehensive Technology R&D, Tracking, Validation, and Demonstration - First Prize for Scientific and Technological Progress	China Highway & Transportation Society
Rated A-level (Excellent) in Information Disclosure Assessment for Companies Listed on the Shanghai Stock Exchange	Shanghai Stock Exchange
Gold Quality in ESG Award for Listed Companies	Shanghai Securities News
Tianma Award – Best Board of Directors at the 13th China Listed Company Investor Relations Selection	Securities Times



## Highlights Performance



Note: Financial information such as total assets, net assets, operating revenue, net profit attributed to shareholders and return on investment covers Jiangsu Expressway, its seven wholly-owned subsidiaries and four non-wholly owned subsidiaries (the data of 2020 and 2021 covers Jiangsu Expressway and its six wholly-owned subsidiaries and four non-wholly owned subsidiaries).





# Moving Forward with Determination Based on a Strong Foundation for Governance

## Response to indicators

**B2 B2.1 B2.2 B2.3 B6 B6.2 B6.3 B6.5**  
**B7 B7.1 B7.2 B7.3**

Corporate governance is fundamental to improving the corporate mechanism and maintaining corporate competitiveness. To safeguard the rights of stakeholders, Jiangsu Expressway remains committed to consolidating its strong governance foundation, updating internal governance policies and practices, and actively pursuing sustainable development goals.





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# Corporate Governance

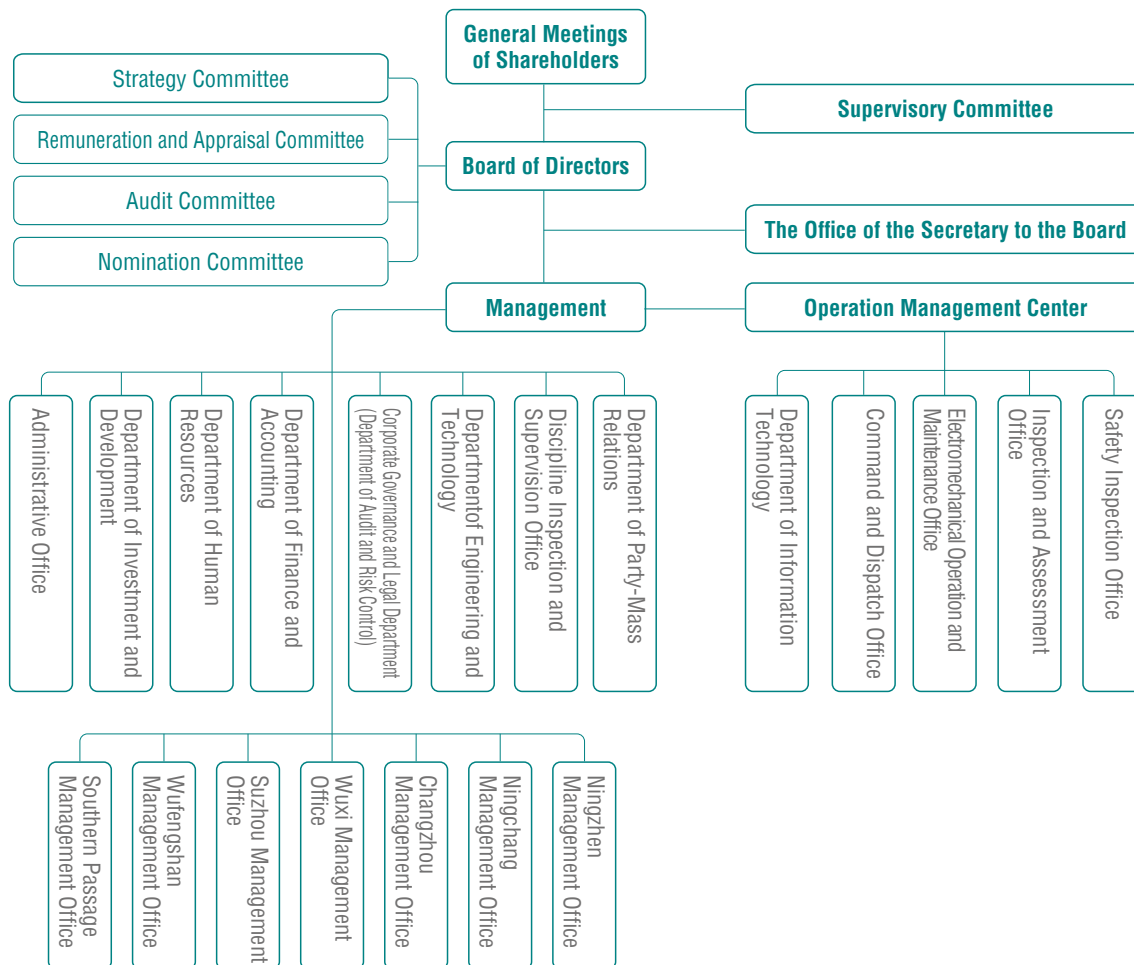
Response to indicators

**B6.3 B7 B7.1 B7.2 B7.3**

At Jiangsu Expressway, we strictly adhere to local laws, regulations, and regulatory agency requirements. We view honest, compliant, and transparent corporate governance as the foundation of our business, and have established a comprehensive internal compliance management mechanism to maximize benefits for all stakeholders.

## Corporate Strategy

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, to ensure that all key issues required under corporate governance are approved lawfully. In 2022, the Company held 1 annual general meeting of shareholders and 1 extraordinary general meeting, as well as 8 Board meetings and 7 Supervisory Committee meetings. In preparation for these meetings, the Company sorted out and prepared 76 motions and followed all necessary statutory decision-making procedures for important corporate matters.



Corporate structure



## Compliance and risk management

As a pilot unit of the Three-Year Compliance Management Action Plan of the Jiangsu SA-SAC, the Company continues to promote the comprehensive integration of compliance into all aspects of our production, operation and management. We have formulated the *Measures for Compliance Management* and *Manual of Integrity and Compliance*, and revised rules and regulations such as the *List of Company-level Compliance Risks*, *Management Measures for Legal Affairs*, *Contract Management Measures*, and *Bidding and Procurement Management Measures*. In combination of the coordinated mechanism of discipline and law, we keep improving the Company's compliance management system, and strictly implement audit supervision and internal control evaluation, thus effectively preventing the occurrence of risks. In 2022, aligning with our work and business development needs, we revised the *Detailed Rules for Regulations Management*, and abolished, revised, or newly established 107 rules and regulations.

We highly value the protection of intellectual property rights (IPR) and strictly abide by the *Patent Law of the People's Republic of China*, the *Trademark Law of the People's Republic of China* as well as other relevant laws and regulations. In response to the country's call for comprehensively strengthening IPR protection, we prioritize independent innovation, fully respect IPR, and ensure legitimate use of patents and trademarks, in an effort to enhance our innovation capacity and competitiveness.

### © Compliance management system

Our focus on collaborative operations has led us to pioneer the research and development of an integrated management platform within the Company. We've established a comprehensive risk control system and have partnered with the consulting agency of *Jiangsu Provincial Government State-owned Assets Supervision and Administration Commission* to yield significant accomplishments, such as the *Research Report*, *Guidelines*, *Implementation Plan*, and *Five-year Plan* for the Comprehensive Risk Control System. This system covers legal affairs, compliance, internal control, and risk management and has been implemented in key areas such as labour and human capital management, procurement, and bidding. Meanwhile, we continuously improve our Company's compliance management by integrating and collaborating with existing management mentioned above.

### © Compliance culture fostering

We have actively built a compliance management team, providing specialized legal compliance training to over 150 employees in related positions across our headquarters, secondary units, and subsidiaries. This training covers areas such as compliance management, legal affairs, contracts, and procurement. We promote a legal compliance culture, foster an honest and compliant enterprise, and effectively fulfill the mission of being a state-owned enterprise under the rule of law.

### © Compliance information disclosure

Adhering to the principles of facts first, timely disclosure, and fair treatment, we maintain strict control over the quality of information disclosure, striving to provide transparent, truthful, and objective information to investors while maintaining good investor relations. We communicate with investors through various channels such as SSE E-interactive, institutional survey, and phone calls. Our response rate to investors' questions is 100%, with satisfaction around 92%. In 2022, we completed the preparation and disclosure of the 2021 annual report, the 2022 semi-annual report, and the quarterly reports, issuing over 200 temporary announcements domestically and internationally as required. For the third consecutive year, our company received the highest grade A in the 2022 information disclosure assessment by the Shanghai Stock Exchange, an honor achieved by less than 10% of listed companies.



By the end of 2022,  
we have registered

**43** trademarks  
and **11** patents  
across **22**  
categories

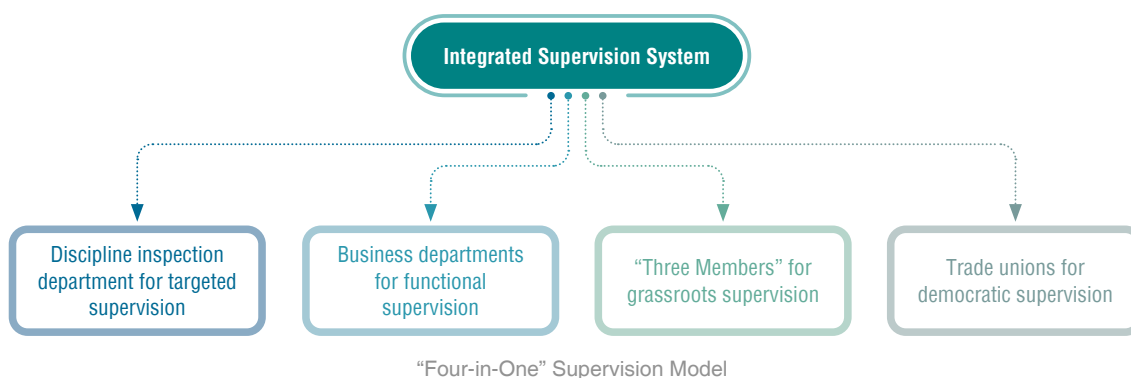


In 2022, we held  
more than **30** in-  
person and online  
telephone meetings  
with investors.



## 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*, and *Provisions on the Integrity for Officials of State-Owned Enterprises*, to tighten supervision responsibility, and establish an organic closed-loop “integrated super vision” 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 supervision and inspections over discipline, legal affairs, audit, finance and by Supervisory Committee to rectify problems, improve systems and regulations, and minimize integrity and decision-making risks. In 2022, neither the Company nor our employees were involved in any corruption-related litigation or intra-Party investigation.



In 2022, we conducted **2** “integrated supervision” inspections



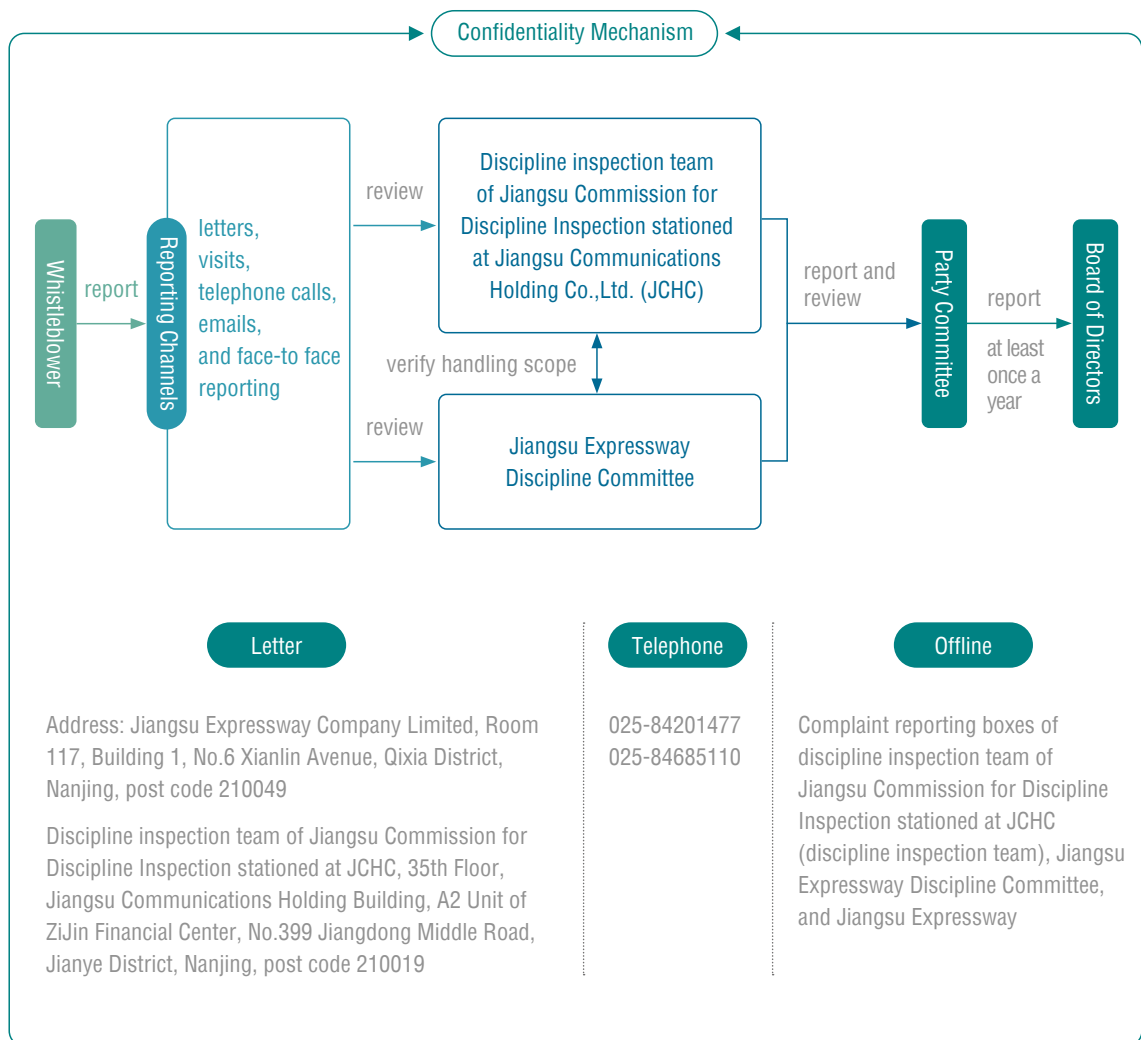
In 2022, we provided **3** anti-corruption and business ethics training sessions to our employees and directors, including **1** work meeting on full and strict Party discipline and **2** training sessions for the “Three Members” for grassroots supervision, covering more than **450** participants.



### © Integrity management mechanism

We compiled and printed the *Blue Paper on Work Manual for Integrating Supervision and Management*, effectively merging supervision and discipline management with 22 of our key business areas. We revised and issued the *White Paper on Integrity Risk Prevention and Control*, covering 135 positions and 590 risks. We developed positive and negative lists, created an anti-fraud aided identification system (version 1.0), and promoted the simultaneous use of PC terminals and mobile app operating systems. These efforts have effectively strengthened our anti-corruption and integrity performance, bolstering our risk defense capabilities.

In 2022, we improved 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 of the whistleblower shall be protected by law”. It protects the rights 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 basic units to improve transparency of the reporting policy.



Report handling procedure



## ◎ Integrity culture

In 2022, we issued reminders to combat the “pointless formalities, bureaucratism, hedonism, and extravagance” before holidays, sent text messages to employees, released integrity-themed H5 original content, and distributed learning materials on “Transparent Company, Prosperous Company”. These efforts aimed to maintain the anti-corruption red line and promote “clean” celebrations during festivals. Simultaneously, on the eve of New Year’s Day, Spring Festival, Mid-Autumn Festival, and National Day, we established a working group to conduct unannounced inspections across 81 second- and third-level units, ensuring full coverage of inspection and supervision.



### Danyang New District Toll Station overcomes difficulties and establishes a “1+2+3” basic-level integrity risk prevention and control system

To further promote the fundamental policy of cultivating a workforce that “dare not, cannot, and do not want to be corrupt”, the Danyang New District Toll Station established a “1+2+3” integrity risk prevention and control system. “1” stands for **consistency**, in which various methods are employed consistently to foster a culture of integrity among all employees, creating a workforce that do not want to be corrupt. “2” represents **dual-drive**, where a two-tiered supervision model is implemented, involving frontline integrity practitioners and “three members” to supervise, investigate, analyze, and evaluate vulnerable areas in production, daily life, and the exercise of authority that are susceptible to corruption. Lastly, “3” signifies **three focus areas**, i.e., education, systems, and culture. The Company aims to develop a mindset and value orientation in these three areas to align with the new normal of anti-corruption efforts. This approach creates a comprehensive integrity responsibility network that connects all related aspects and encompasses every employee. By tackling the difficulties in implementation, supervision, facilitation, and coverage at toll stations, the system ensures strict and robust supervision at the basic level.



### Building an anti-corruption education base at Tianwang Toll Station

In July 2022, the Company’s anti-corruption education base was built. The base comprises five distinct sections: Honesty Pond, Legacy Pavilion, Anti-corruption Corridor, Virtue Grove, and Purity Monument. Each area features a unique theme that emphasizes local characteristics, showcasing the Company’s innovative approach to fostering a culture of integrity. Located at Tianwang Toll Station, this education base serves as a cornerstone for the Company’s ongoing commitment to anti-corruption and ethical values. We will continue to build the base as transforming it into a vital platform for championing integrity and clean governance. It will serve as an engaging classroom for cultivating a strong culture of honesty and virtue, helping the entire organization to embrace the principles of integrity, positivity, and goodness. Ultimately, this initiative will contribute to a sound atmosphere transparency featuring honesty and integrity.



Making a solemn oath to integrity

## Party building

The Company has diligently studied and implemented the guiding principle of the 20th CPC National Congress, prioritizing Xi Jinping's Thought on Socialism with Chinese Characteristics for a New Era, the guiding principle of the 19th CPC National Congress, and President Xi Jinping's important speeches in meetings. We issued the *Three-Year Action Plan for the Re-upgrading of Grassroots Party Building at Jiangsu Expressway*, benchmarked ourselves against the requirements for Jiangsu Communications Holding Star Party Branches to promote the establishment and evaluation of star Party branches, and launched a new Party building brand upgrading plan. In the meantime, we formulated and promulgated the *Rules for the Implementation of the Ideological Responsibility System of the Party Committee of Jiangsu Expressway* and the *Task List of the Ideological Work Responsibility System of the Party Committee*, clarifying the ideological responsibilities of our leadership teams and Party organizations at all levels.

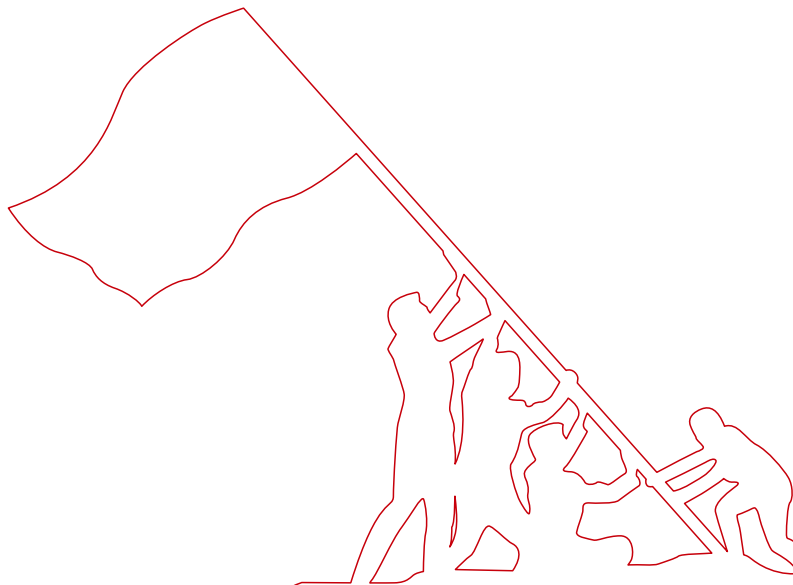


the Company conducted **310** hours of Party building activities, involving **7,815** Party members.



The **"Three Red Hearts"** Party building brand of Xidong Toll Station won the honorary title of 2021 Outstanding Party Building Brand of Jiangsu Transportation Industry.

Our innovative Party organization work method was awarded as one of the **Top Ten Party Organization Work Methods of the Jiangsu Communications Holding system.**



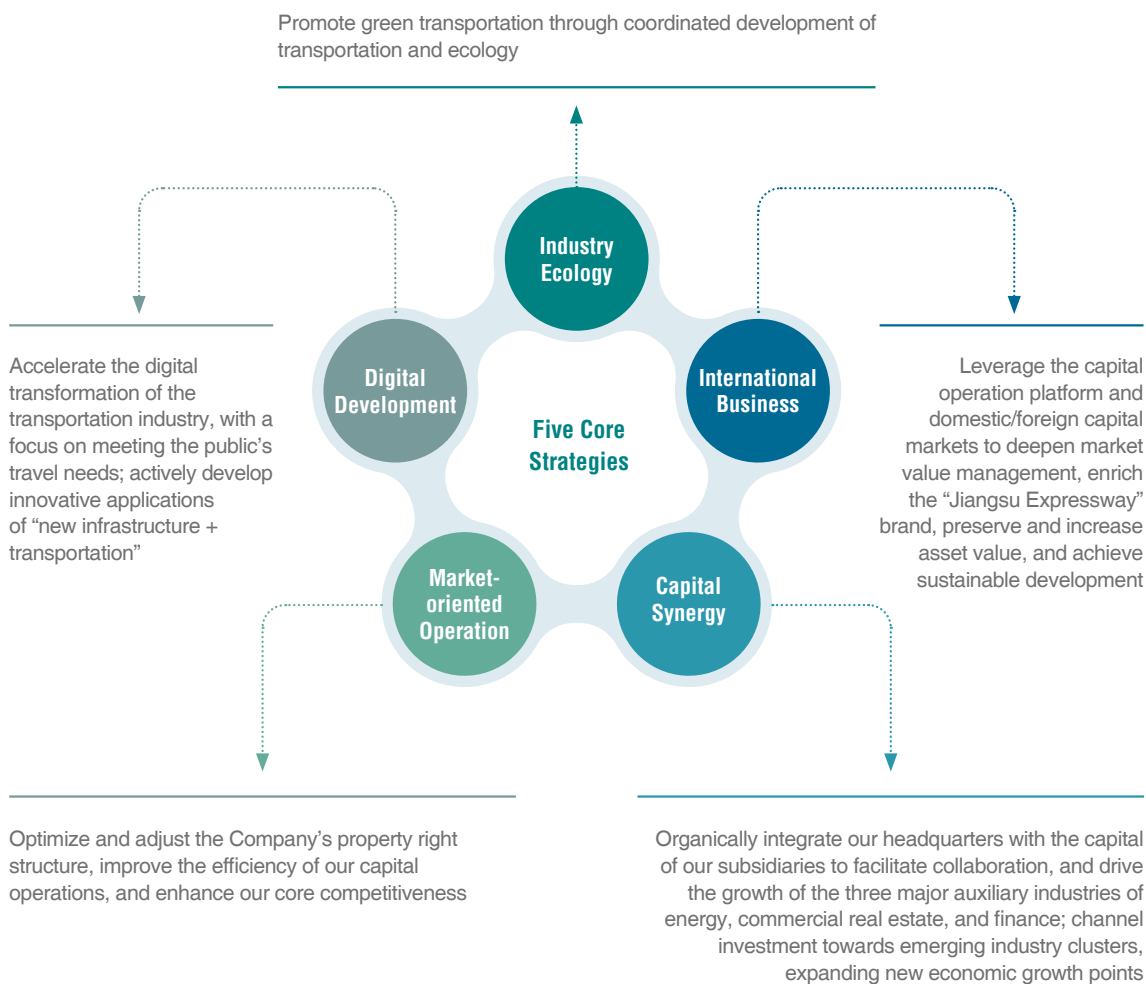


## ESG Management

Jiangsu Expressway places significant emphasis on social responsibility, actively engages in ESG management and disclosure, and consistently enhance its sustainability management capabilities, collaborating with stakeholders to foster social responsibility systematically.

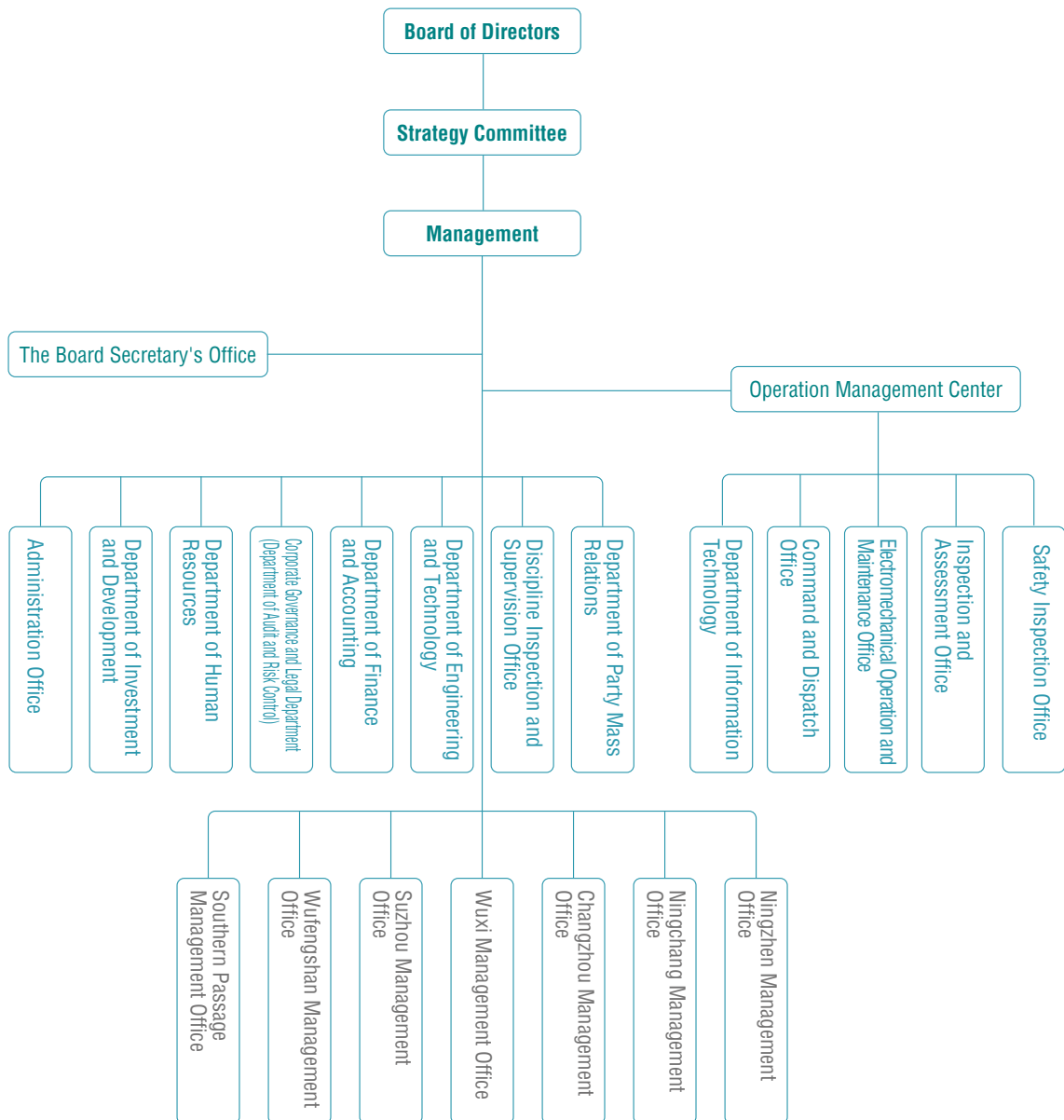
### ESG integration strategy

Committed to its corporate mission of providing more premium services for the public to facilitate a better life, we integrate ESG concepts into our strategic development, and continuously advance our strategic layout of “industrial ecology, international business, capital synergy, market-oriented operation, and digital management” to drive high-quality development.



## ESG management mechanism

The Board of Directors regards sustainability management as a priority, has established an efficient ESG management mechanism and formed a well-structured ESG governance system with clear levels and responsibilities. The Board of Directors serves as the Company's highest governing unit, overseeing and making decisions on the Company's ESG matters. The Office of the Secretary to the Board is responsible for the Company's ESG affairs. It formulates relevant management and implementation plans, reviews implementation progress, and reports directly to the management, the Strategy Committee, and the Board.

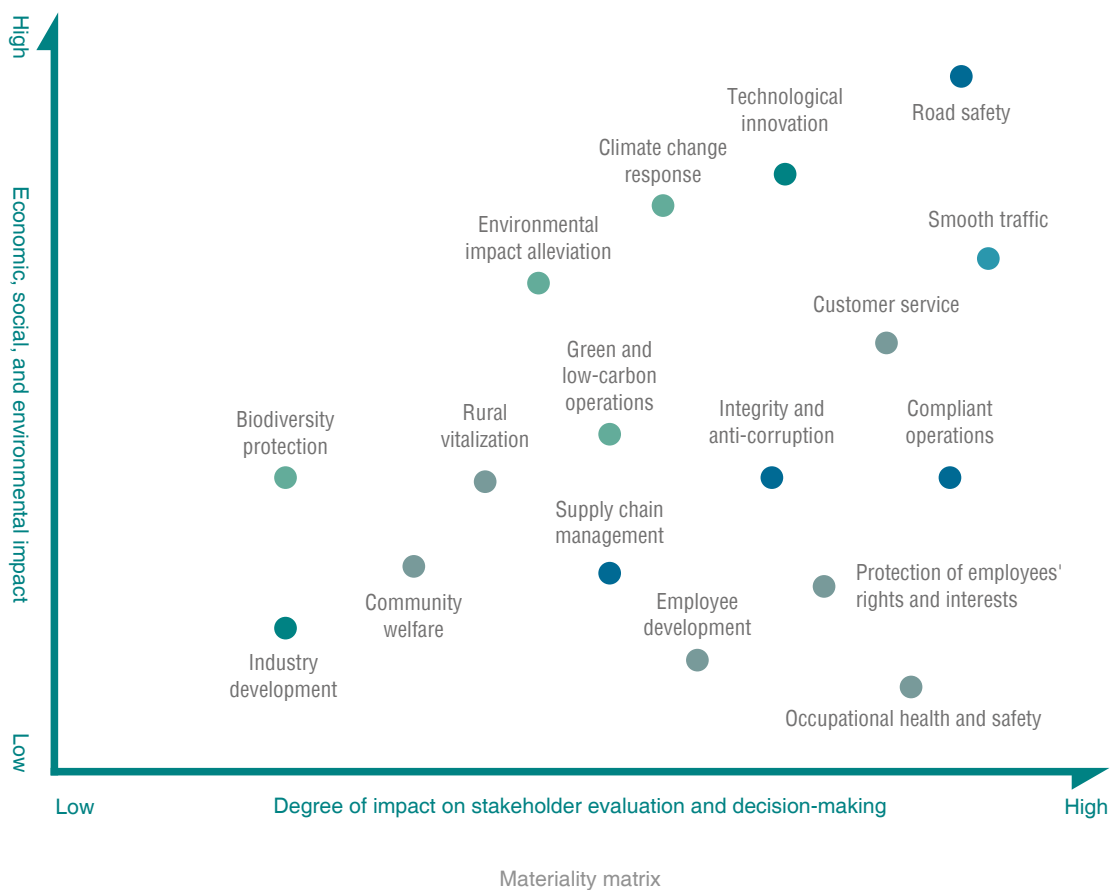


Social responsibility structure



## Identification of material topics

Concentrating on the five key areas of social responsibility – innovative growth, safe traffic, smooth traffic, green development, and heartfelt services – the Company reviews and evaluates associated risks and opportunities. By examining industry peers and domestic and international companies, we have identified 17 material topics based on our strategic priorities and business goals in 2022. Our management, with the input of external experts, re-analyzed and prioritized the identified topics, creating a materiality matrix of these topics based on the two dimensions of “significance of economic, social, and environmental impact” and “influence on stakeholder assessment and decisions”.



## Stakeholder engagement

The Company attaches great importance to communication with stakeholders. Through diversified communication channels and feedback mechanisms, we deeply understand the demands and expectations of all parties, actively respond to the needs of stakeholders, and create sustainable shared value.

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



# Demonstration Expressways Building

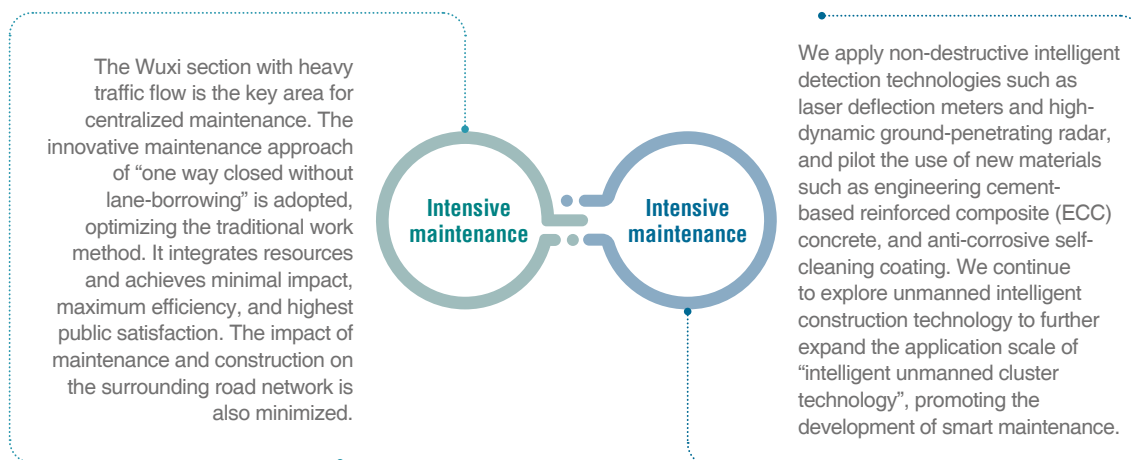
Response to indicators

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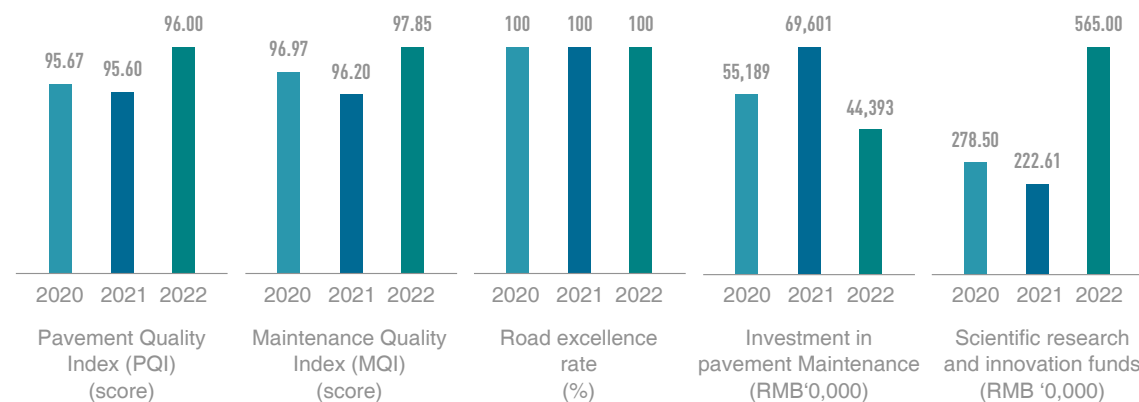
Jiangsu Expressway remains committed to fulfilling its mission of providing more premium services for the public to facilitate a better life. Relying on advanced intelligent maintenance technology as well as a robust and safe operation mechanism, we continually enhance the quality and efficiency of road service, delivering top-notch travel experience to the public.

## Scientific maintenance

Aiming to build a highway maintenance infrastructure system with “clear classification, reasonable layout, distinct functions, efficient operation, and environmental friendliness,” we start by improving scientific highway maintenance technology and consistently strengthen infrastructure support capabilities to develop standardized maintenance work flows with our own characteristics.

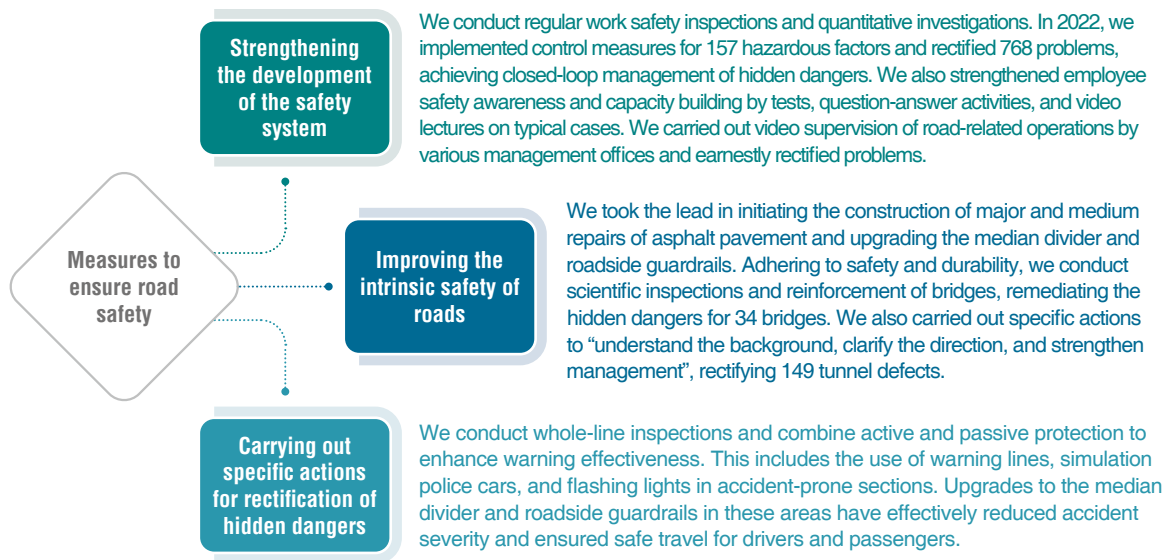


Scientific maintenance measures



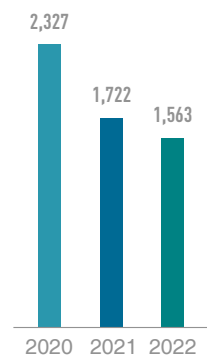
## Safe operation

We follow important remarks by General Secretary Xi Jinping on work safety, and uphold the philosophy of “life first, safety foremost”. 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 and defused major safety risks, to safeguard the life security and health of employees and the traveling public as much as possible.



In compliance with the *Law on Work Safety*, *Law on Prevention and Control of Occupational Diseases*, *Provisions on Workplace Injury Insurance*, *Measures for Work Safety Education and Protection*, *Measures for the Management of Emergency Plans for Production Safety Accidents*, *Administrative Measures for Labor Safety and Health*, and other national and local laws and regulations, we have established an OHSAS 18001 occupational health and safety management system. We have also developed the *Pocket Book on Safe Operation*, *Emergency Plan for Production Safety Accidents*, and *Emergency Plan for the Disposal of Hazardous Materials*, applicable to all toll roads under our management. By standardizing emergency procedures and reinforcing safety measures, we conduct various safety training sessions and monthly safety questionnaires to continually enrich our employees' emergency knowledge and enhances their risk prediction and emergency response capabilities.

0 0 0  
2020 2021 2022  
Work-related deaths



In 2022, **31,300** road-related operations via video supervised by our management offices and **285** rectification notices issued



**364** times of safety performance assessment conducted in our project contractors



**2,954** participants in safety training

Lost workdays due to work-related injuries



## Moving Forward with Determination Based on a Strong Foundation for Governance

Jiangsu Expressway Company Limited Corporate Social Responsibility Report 2022

- Each management office conducts video surveillance on road-related operations, issues rectification notices for any illegal activities, and conducts random spot checks to ensure proper supervision.
- We assess the safety performance of project contractors and penalize or blacklist unqualified suppliers accordingly.



Measures to enhance health and safety



### Reviewing safety progress at the South Toll Station in Zhenjiang New Area

On October 25, 2022, the South Toll Station of Zhenjiang New Area held the 2022 report meeting on the brand building of "Safety e+" Safety Culture Station to review work safety efforts. To prioritize safety, the station installed new safety reminder facilities at toll booth channels. Additionally, an easy-to-carry Pocket Book on Safety Knowledge was compiled, which covers topics such as on-site operation, driving in bad weather, traffic safety, network security, and daily electricity use. Besides, an emergency evacuation channel was established within the station area, along with clear route signs for guidance. At the meeting, staff representatives shared their safety training experiences, while joint safety protection and control units discussed their cooperation in work safety efforts. These discussions had further improved the safety awareness and abilities of all employees, effectively prevented and curbed work safety accidents.



The South Toll Station of Zhenjiang New Area held the 2022 brand report meeting of "Safety e+"

## Smooth traffic

At Jiangsu Expressway, we believe that the best service the smooth traffic, which is why we use advanced and smart technologies to manage traffic flows on key. We endeavor to ensure smooth traffic during major holidays and festivals that often come with large traffic flows. We also strengthen coordination to maintain efficient operations. In accordance with the requirements of Jiangsu Communications Holding and our relevant documents, we developed and issued the *Management Rules for Smooth Traffic Cooperative Unit of Jiangsu Expressway (Trial)* to standardize cooperative units and ensure unblocked traffic. In 2022, our traffic congestion nodes decreased from 19 to 12, a decrease of 36.84%.



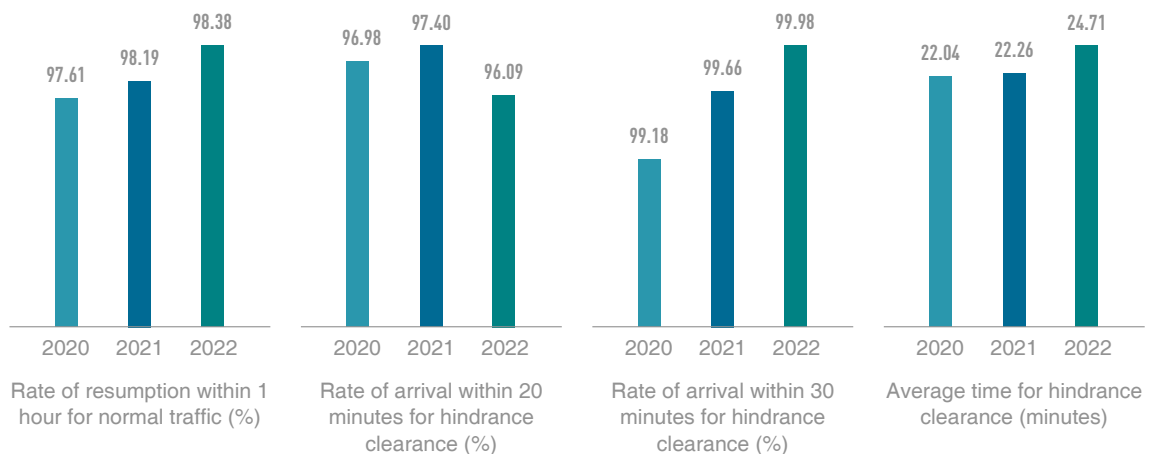
Our "Nanjing Toll Station Entrance Capacity Improvement Project of Shanghai-Nanjing Expressway" and "Research and Application of Safety and Smoothness of Large-flow Sections" were recognized as national **top ten cases in highway operation and management** in 2022.

### ◎ Heavy traffic handling

Our goal is to provide a fast, smooth, and high-quality travel experience for the public by ensuring smooth traffic flow during major holidays and festivals, while also creating a safe and satisfactory travel environment. In 2022, Jiangsu Expressway drew on the experience of developed countries in ensuring safety and smoothness for heavy traffic flow, combined it with our own operation and management, and delivered demonstration roads for smooth traffic. We also explored the supply-side reform of "transportation + technology" services and conducted innovative and practical smart transportation applications to effectively ensure smoothness in ultra-saturated traffic sections.

### ◎ Hindrance clearance and rescue

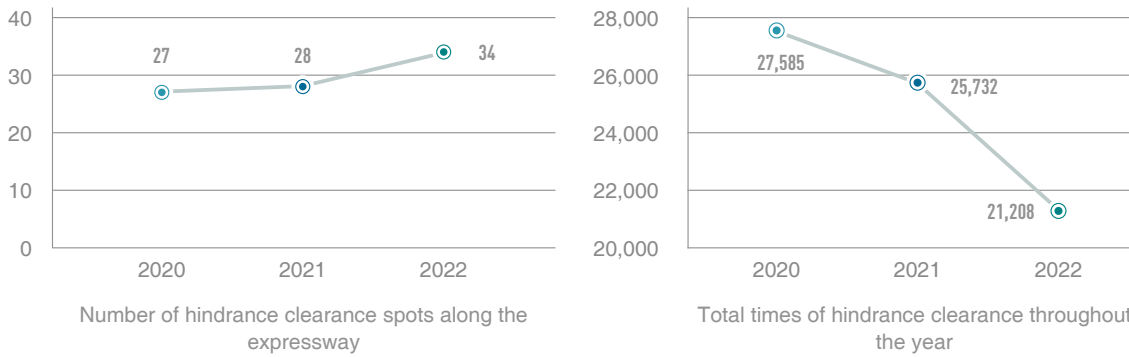
To enhance the standardization and effectiveness of our highway hindrance clearance work, we emphasize the "1+N" collaborative approach in critical sections and key time periods. With safety and smoothness as the central focus, we implement N types of control measures, such as investigating hidden dangers, deploying enough personnel, and providing heartfelt services. We have also increased our hindrance clearance stations, traffic law enforcement stations, and high-speed traffic police stations. We deploy personnel and equipment to establish joint disposal plans, and strengthen joint road patrols, joint command, and joint disposal. We sort out road emergencies in a hierarchical manner, improve management, and continuously response emergencies in a timely, scientific, and efficient manner.





## Moving Forward with Determination Based on a Strong Foundation for Governance

Jiangsu Expressway Company Limited Corporate Social Responsibility Report 2022



Note: As part of our effort to standardize highway hindrance clearance and rescue, the number of rescue stations have increased according to the attributes of each section (for example, we have set up additional stations at the Wufengshan Bridge and the Jiangsu Suxichang South Expressway), it's a result of normal operations.



### Ningzhen Management Office wins battle against congestion with planning, collaboration, and analysis

On December 11, 2022, the Nanjing Toll Station of the Ningzhen Management Office faced an unexpected surge in short-term traffic, reaching an hourly volume of 6,292 vehicles - the highest in record. However, its commitment to the strategy of planning, collaboration, and analysis enabled to effectively manage the flow during the rush hour. With efficient action, the office guaranteed fast, easy, and accessible passage through the toll crossing within just 30 minutes.

#### “Plan” well to ensure swift response

We continuously improve our plans for ensuring safety and smoothness in areas with heavy traffic flow with refined measures and consolidated responsibility. To ensure sufficient front-line manpower, an emergency team can arrive on-site within 20 minutes in case of an emergency. We also regularize emergency drills to improve our hands-on capabilities in ensuring smooth traffic for heavy-traffic sections.

#### “Collaborate” well to ensure fast disposal

We increase the frequency of command, dispatch, and inspection to monitor road traffic in real-time, focusing on potential high-traffic sections and predicting peak traffic in advance to ensure timely early warning. We enhance information exchange and sharing to ensure prompt reporting of road conditions and special situations. We strengthen equipment maintenance, promptly repair any failures, guarantee the stable operation, and ensure spare lanes can be open during high-traffic periods to increase toll collection and vehicle speed.

#### “Analyze” well to ensure smooth passing

We aim to strengthen the efficiency of information communication and ensure that protective measures, such as wearing masks, do not hinder communication efficiency. We utilize sand tables to simulate the position of personnel and ensure that they are strategically positioned. This helps to shorten the response time in handling special situations. We implement a unified on-site management system to ensure efficient and smooth operations, with “the person on duty is held accountable”. This approach has effectively improved smooth traffic.

# Exceptional Travel Service

Response to indicators

B6.2 B6.3 B6.5

Quality service requires both efficient service delivery and caring human touch. Jiangsu Expressway prioritizes customer needs by providing real-time road condition updates, promoting rational travel behavior, and delivering practical and effective travel services through a digitally integrated model. We have established the ISO 9001 Quality Management System, and formulated the *Management Measures on Handling Complaints* and the *Strategy of Adopting the Audit System to Handle Complaints*. We rigorously implement *Management Measures on Handling Complaints*. More complaint channels are opened and the feedback and suggestions of drivers and conductors are welcomed, encouraging us to deliver efficient and warm toll station services.

## Smart travel

We conduct extensive research on digitizing our highway operations and management, exploring intelligent operation scenarios based on 5G technology. We build a cloud platform for traffic control and accurately identify the personalized and differentiated service needs of the public. We continuously innovate in service specifications and processes, and launch integrated service models such as charging and check-in driven by cloud technology to efficiently enhance the service experience and satisfaction of our customers.



### Installing automatic disinfection devices for CPC card self-service payment terminals to enhance driving experience and travel quality

As the first pilot expressway free-flow tolling service provider in Jiangsu province, we prioritize the calling to providing customers with more efficient, safer, and more satisfactory services. To improve Compound Pass Card (CPC) security on expressways, Gaoqiao Toll Station installed automatic sterilizers for the CPC card self-service payment terminals. This innovative solution integrates quality management into quasi-free flow tolling, addressing issues such as high labor costs, long disinfection time, and unsatisfactory disinfection effects under the conventional disinfection mode. The disinfection device uses ultraviolet disinfection technology instead of traditional alcohol wipes or 84 disinfectant sprinkling, which effectively disinfects the CPC card without requiring any intervention from the driver or conductor. The device has great potential for wide applications with the increasing popularity of the quasi-free flow tolling practice.

In June 2022, our Gaoqiao Toll Station was awarded the first prize for the Quality Control (QC) Results Release for the "Development of Automatic Disinfection Device for CPC Card Self-service Payment Terminal".



Patent certificate of the Automatic Disinfection Device for Self-service Payment Terminal of Wufengshan Management Office





### Successful pilot of cloud charging service successfully piloted at Tangshan Toll Station

In June 2022, we piloted the free-flow cloud charging system at the Tangshan Toll Station, following the unified arrangement of Jiangsu Communications Holding. After three months of continuous efforts, we completed the first free-flow cloud charging system in Jiangsu Province. On October 9, we held the report meeting for the pilot turnouts of Jiangsu Communications Holding' free-flow cloud charging system. The system offers higher traffic efficiency, better user experience, and more convenient management operations.



Report meeting for the pilot turnouts of Jiangsu Communications Holding' free-flow cloud charging system

## Warm service

The Company is dedicated to implementing the *Opinions on Enhancing the Quality of Service and Operational Efficiency of Expressway Service Areas*. We strictly regulate prices and promote "catering + tourism" model to create service areas that offer warm and caring services, cultural experiences, and tourism attractions. Furthermore, we have launched the "JS Expressway · Jasmine" branding campaign to meet people's demand for superior travel experiences, thereby enhancing our highway services and expanding our brand recognition and reputation.

We are also committed to providing caring services for special and vulnerable groups, such as disabled people, women and children. Considering their needs, we set up special facilities such as parking spaces, barrier-free access, and basins for the disabled, and providing free wheelchairs. For women and children, we offer 24-hour baby care rooms, exclusive parking spaces, and children's toilets to have more humane, comfortable, and welcoming service.



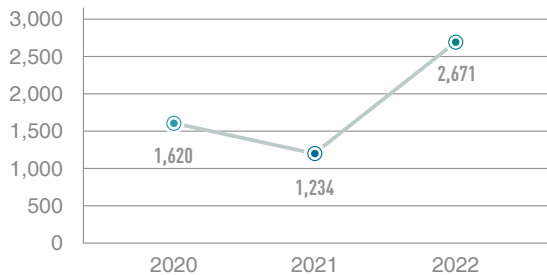
### Igniting new ideas to meet the public's demand for better travel

Meicun Service Area, one of the demonstration service areas known for its strong service guarantee capabilities and wide social effects, has built a joint governance system based on the goal of "demonstration of comprehensive governance integration". With the support and synergy of the "Pleasant Expressway" service team, the "168" volunteer team, the "All the Way Together" platform, and the Comprehensive Governance Office for Service Areas, it has integrated management resources and achieved a new level of quality service. The close cooperation of multiple parties has effectively solved security issues such as blind spots in monitoring equipment and scalping, and has improved comprehensive response of the service area. This has enabled the high-quality development of the service area.

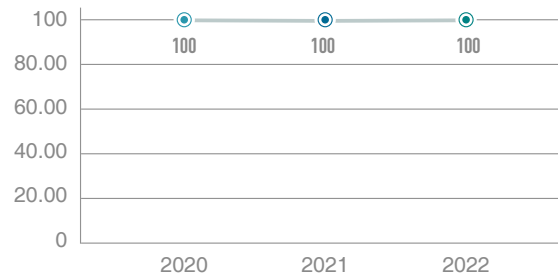


### Strengthening collaborative efforts for quality and fragrant service

The Changzhou Management Office leverages the power of Party building and the “Jasmine Volunteers” service team to broaden its service offerings in various dimensions. It has implemented a 10% reduction in truck tolls and distributed promotional cards for this discount, posted signs reminding drivers to “Toll Free, One Vehicle at a Time, No Toll Gate Breaking by Force”, and played a recorded message advising drivers to slow down when approaching toll barriers. It also explains and promotes the implementation of preferential toll policies for trucks, continuously enhancing its services.



Customer complaints



Customer complaints handling rate (%)

Note: Compared to 2021, there was an increase in customer complaints in 2022. The primary reasons were as follows: First, the total number of complaints increased due to the improvement of the complaint process. In the past two years, complaints on abnormal billing were directly handled by the customer service center, which required pictures and other evidence at each toll station. However, since 2022, they have been uniformly handled by dedicated complaint handling staff with streamlined process, resulting in an increasing number of complaints. Second, some complaints were caused by changes in company policies. With the opening of new sections, some drivers and conductors expressed dissatisfaction with the higher tunnel costs and did not understand the reasons for the changes, leading to an increase in complaints.

## Privacy protection

The Company attaches great importance to internal network security and customer information protection. In line with national laws and regulations such as the *Personal Information Protection Law*, and *Data Security Law*, 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 also hire professional service providers to ensure network security and carried out network security inspections and awareness campaigns. In 2022, we upgraded the monitoring and office network security system and passed the annual network security rating. We also conducted network security emergency drills and successfully ensured network security during the 20th CPC National Congress. No network security incidents occurred in 2022.

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.



In 2022

RMB **2** million+  
invested in network  
security

**10+** network  
security inspections  
implemented

**70+** publicity  
campaigns on  
network security  
organized



# Proactively Embracing Environmental Protection

## 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

Jiangsu Expressway pursues green and low-carbon development, prioritizes resource and energy conservation, as well as ecological protection, and monitor our business impact on surrounding natural environment. We vigorously promote the integration of operations with the ecology, promoting a harmonious development between transportation and nature.









# Scientific Environmental Management

Response to indicators

A1 A1.2 A1.5 A1.6 A2 A2.3 A2.4 A3 A4 A4.1

Jiangsu Expressway implements the state and local environmental standards rigorously. We establish and enhance the internal environmental management system, formulate and improve environmental management policies and procedures, coordinate annual environmental goals and their management schedules, and systematically and scientifically advance our environmental management efforts.

## Strengthening environmental control

The Company 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. A three-level environmental management system covering the company-level, subsidiary-level, and basic-level is implemented to form an effective long-term environmental management structure. In 2022, we endeavored to environmental protection by revising the *Management Measures for Identification, Evaluation and Control of Environmental Factors* and the *Management Rules for Environmental Impact Control of Stakeholders*. We fulfilled our responsibilities in environmental protection as a corporate entity, refined our management requirements, enhanced our environmental management ability, and optimized our performance.

We regularly set annual environmental goals in accordance with the *Environmental, Social and Governance Reporting Guidelines (ESG Guidelines) of the Stock Exchange of Hong Kong Limited (HKEx)* and the current national and local laws and regulations. We also evaluate the implementation and completion of these goals to ensure continuous and accurate implementation of environmental policies.

In 2023, the Company will prioritize green and circular development and focus on integrating sci-tech innovation with ecological protection. We plan to widely use new materials, technologies, and equipment for maintenance and construction of roads and to research and apply low-carbon, zero-carbon, and negative-carbon technologies. We will accelerate the development of green, clean, and renewable energy, while promoting the achievement of our 2023 environmental goals. Furthermore, we will maintain our monitoring and management of energy and resource usage, such as water and electricity, in operations and management to increase resource efficiency and reduce GHG and waste emissions. We will also encourage the use of new energy vehicles for our production and business needs.



In 2022, RMB **14.164** million invested in environmental protection, a year-on-year increase of **50.03**%.

**0** major environmental pollution or ecological damage accidents occurred.

## 2023 Environmental Goals Setting

Indicator	Progress review in 2022	Goal setting for 2023
GHG emissions (tons)	<ul style="list-style-type: none"> <li>The GHG emissions were 16,318.52 tons, a 10.54% decrease from 2021.</li> <li>We formulated relevant energy control and management measures, included energy consumption in the assessment indicators, analyzed the energy consumption of each unit on an annual basis, and effectively urged each unit to reduce energy consumption.</li> </ul>	The GHG emissions of Jiangsu Section of Shanghai-Nanjing Expressway (excluding service areas) increase by not more than 5% in 2023 than those of 2022.
Energy consumption (tons)	<ul style="list-style-type: none"> <li>The energy consumption totaled 3,005.92 tons, a 13.87% decrease from 2021.</li> <li>We revised the <i>Administrative Regulations for Energy and Resources Control</i>.</li> <li>Energy-saving LED lights were used.</li> <li>Wind and solar energy had been used as complementary methods to provide electricity.</li> </ul>	The energy consumption of Jiangsu Section of Shanghai-Nanjing Expressway (excluding service areas) increase by not more than 5% in 2023 than that of 2022.
Water consumption (tons)	<ul style="list-style-type: none"> <li>The water consumption was 252,044 tons, a 1.47% decrease from 2021.</li> <li>We sourced all water used for business activities from the municipal network and refrained from using natural water intake.</li> <li>Domestic wastewater was subjected to pretreatment before being used for watering plants at stations.</li> <li>The water equipment management was strengthened by conducting regular calculations and analyses, as well as performing timely maintenance to prevent equipment plugging or leakages.</li> </ul>	The water consumption of Jiangsu Section of Shanghai-Nanjing Expressway (excluding service areas) increase by not more than 5% in 2023 than that of 2022.
Emissions (tons)	<ul style="list-style-type: none"> <li>The emissions were 0.23 tons, a sharp 86.87% decrease from 2021.</li> <li>To alleviate the impact of transportation vehicle exhaust emissions, we strengthened the greening and daily maintenance of subgrade slopes and side ditches.</li> <li>We ensured smooth roads to shorten the idling conditions of transportation vehicles and reduce automobile exhaust emissions.</li> <li>The kitchens of each of our units were equipped with oil fume purification and discharge devices that meet the national Emission Standard of Cooking Fume (GB18483-2001), ensuring that cooking fumes were properly discharged.</li> </ul>	The emissions of Jiangsu Section of Shanghai-Nanjing Expressway (excluding service areas) increase by not more than 5% in 2023 than those of 2022.
Non-hazardous waste discharge (tons)	<ul style="list-style-type: none"> <li>The discharge reached 249.06 tons, a 1.15% increase from 2021.</li> <li>We revised the <i>Rules for the Management of Solid Waste Treatment</i>.</li> <li>We collected statistics on the generation and recycling of waste.</li> <li>Waste was reused or recycled.</li> </ul>	The emissions of Jiangsu Section of Shanghai-Nanjing Expressway (excluding service areas) increase by not more than 5% in 2023 than those of 2022.
Hazardous waste discharge	<ul style="list-style-type: none"> <li>The hazardous waste generated from road maintenance, including waste asphalt residue, seam tape, and potting adhesive, were 100% recycled.</li> <li>Hazardous waste was stored in designated areas and a daily supervision mechanism was implemented.</li> <li>We worked with professional institutions to recycle waste, ensuring a resource-based and harmless treatment process.</li> <li>We avoided using chemicals that are expressly prohibited by laws and regulations, and adopted environmentally friendly products and services.</li> </ul>	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.



## Alleviating environmental impact

The Company is committed to reducing carbon emissions in strict compliance with the *Three-Year Action Plan for Reducing Carbon Emissions of the Transportation Sector in Jiangsu Province (2021-2023)*. We actively respond to the national requirements of carbon peaking and neutrality by deepening green operations, accelerating green transportation development, and working with society to address climate challenges.

### Entering the new energy industry

We maximize the use of highway slopes, parking lots, and roofs, exploring and providing “green electricity”, creating eco-friendly and low-carbon service areas. We increase the construction of new energy infrastructure, such as photovoltaic power generation facilities and charging piles, along highways and service areas. Additionally, we vigorously promote the construction and cooperative operation of energy storage stations.

We optimized our industrial structure by acquiring 100% equity of YS Energy Company through an investment of RMB 2.457 billion. In 2022, YS Energy Company submitted 5 implementation applications for distributed photovoltaic power station projects, with a total investment of RMB 284 million, laying the foundation for the company's carbon neutral operation.

### Expanding the “transportation + energy” business

### “Party building + low-carbon” co-development

Pairing and co-development activities were carried out in collaboration with State Grid Jiangsu Electric Vehicle Service Co., Ltd. to embrace the 20th CPC National Congress. The partnership focuses on low-carbon service areas, photovoltaic and wind power, and carbon neutrality indicators.

Key measures to reduce carbon emissions



In 2022, the wind farms and photovoltaic power stations under Jiangsu Yunshan Green Energy Investment Holding Co., Ltd. (hereinafter referred to as “YS Energy Company”) generated **900** MWh of clean energy electricity, equivalent to saving **289,000** tons of standard coal and reducing CO<sub>2</sub> by **594,000** tons, soot by **28,000** tons, SO<sub>2</sub> by **5,400** tons, and NO<sub>x</sub> by **2,160** tons compared to traditional thermal power generation.

CO<sub>2</sub> emissions of Jiangsu Expressway

Indicator	Unit	2020	2021	2022	Increase/decrease compared with the prior year
CO <sub>2</sub> emissions	ton	35,116	59,722.33	52,191.41	-12.61%
Direct emissions (Scope 1)	ton	2,055.64	3,670.89	2,756.15	-24.92%
Indirect emissions (Scope 2)	ton	33,059.93	56,051.44	49,435.26	-11.80%
CO <sub>2</sub> emission density	ton/km (operating mileage)	83.06	93.17	74.55	-19.98%
Indirect emission intensity (Scope 1)	ton/km (operating mileage)	4.86	5.73	3.94	-31.24%
Indirect emission intensity (Scope 2)	ton/km (operating mileage)	78.20	87.45	70.61	-19.26%

## Notes:

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.
2. The source of the converted coefficient of carbon dioxide equivalent emissions comes from the Reporting Guidance on Environmental KPIs issued by HKEx. 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).
3. Environmental data intensity= environmental data / operating mileage. The road sections operated in 2022 totaled 700.106 km
4. 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 2022, the environmental statistics of YS Clean Energy Company was included. The original released statistics in 2021 covered those from Jiangsu Expressway, Jiangsu Ningchang Zhenli Expressway Co., Ltd. (Ningchang Zhenli Company), Jiangsu Yangtze Commerce and Energy Company Co., Ltd. (Yangtze Commerce and Energy Company), Jiangsu Zhendan Expressway Co., Ltd. (Zhendan Company), Jiangsu Yangtze River Expressway Management Co., Ltd. (Yangtze River Management Company), Jiangsu Ninghu Investment Development Co., Ltd. (Ninghu Investment Company), Jiangsu Ninghu Properties Co., Ltd. (Ninghu Properties Company), Jiangsu Guangjing Xicheng Expressway Co., Ltd. (Guangjing Xicheng Company), and Jiangsu Wufengshan Toll Bridge Co., Ltd. (Wufengshan Toll Bridge Company).

## Coping with extreme weather conditions

Extreme weather conditions such as thick fog, heavy rainfall, and strong winds can pose significant challenges to transportation, jeopardizing the safety of drivers and passengers and increasing the risk of accidents, including vehicle damage, mechanical injury, and collisions with other objects. Based on notices from the Jiangsu Provincial Department of Public Security and Department of Transportation, we have identified severe weather conditions, such as fog, ice, snow, high winds, and extreme weather risks, such as sandstorms and heavy rains, that can affect visibility. Emergency plans have been formulated, and cooperation with meteorological, traffic police, and other departments has been strengthened to ensure safe travel for passing vehicles. We leverage meteorological information systems to monitor temperature data in real-time at key nodes, and use various channels, including the Jiangsu Expressway APP, WeChat, Sina Weibo, official WeChat accounts, and other media, to remind drivers to choose safe routes and provide scientific guidance to vehicles.

Additionally, we regard climate risk control as an important ESG issue, incorporating it into the daily management of the Strategy Committee of the Board of Directors and regularly monitoring and evaluating related risks.



A video meeting for snow sweeping and deicing held for quick response to extreme weather risks

### Braving wind and snow for smooth traffic flow

In January 2022, Jiangsu Expressway took proactive measures to prepare for and quickly respond to the snowy days, ensuring safe and smooth traffic flow. We constantly updated the dispatch network diagram for snow and ice removal, and effectively utilized meteorological early warning, road inspection, crossing guidance, and information release. Through our efforts, we efficiently completed snow removal and deicing work on all roads under management, ensuring safe and smooth driving conditions. During the snow situation, a total of 466 snowplow and deicing personnel, 57 snow removal vehicles, 66 loaders, spreaders, inspection vehicles, and 473 tons of snow melting agent were dispatched. We were committed to protecting the safety and smoothness of the "golden artery" and took our responsibility seriously.





# Green Operations

Response to indicators

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

Jiangsu Expressway actively responds to the *14th Five-Year Plan for the Development of Green Transportation* issued by the Ministry of Transport by intensifying pollution prevention and control measures, enhancing energy and water resource management, and pursuing a green and low-carbon approach to reduce the environmental impact of its operations.

## Reduction of pollutant emissions

The Company strictly abides by relevant laws and regulations 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*. We prioritize efforts to reduce waste gases, improve sewage treatment, properly dispose of solid waste, and prevent and control noise pollution. By strictly controlling the emission of pollutants, we contribute to sustainable development with tangible actions.

We treat exhaust gas for existing vehicles according to relevant regulations to meet emission standards; install oil fume purifiers and low-noise centrifugal fans to reduce flue gas emissions in canteens. We promote all-electric kitchens to reduce oil fume and equip the catering area of service areas with oil fume purification devices that meet the national Emission Standard of Cooking Fume.

**Reducing exhaust gases**

**Treating sewage properly**

We transform sewage discharge in station areas not connected to the municipal pipe network, and strictly maintain and overhaul domestic sewage in accordance with regulations to improve treatment capacity. Professional agencies are entrusted to monitor sewage discharge to ensure compliance with national regulations. We build buried sewage treatment equipment, grease traps, and septic tanks, and clean the system regularly to remove underground pollution. By the end of 2022, we had built 26 sets of underground integrated sewage treatment equipment and other facilities.

We prioritize the investigation and review of noise-sensitive spots and install sound insulation screens in some road sections to reduce noise pollution. We also consider the noise reduction demands of residents along the highway, adjust construction plans and operating time to reduce noise output during important events, such as high school and college entrance examination. We use sound barriers, soundproof windows, and increase greenery density along sensitive points to further reduce noise pollution. In 2022, 19.8 kilometers of sound barriers were newly built.

**Preventing and controlling noise pollution**

**Disposing of solid waste reasonably**

We signed an agreement with the local waste disposal authority to treat general waste in our service areas through qualified outsourcing units. Toxic and hazardous waste is recycled by qualified third parties in compliance with national regulations. Waste management is enforced through classification and delivered to corresponding external units for disposal. Construction waste is uniformly transported and 100% recycled at designated spots.

Key measures to reduce pollutant emissions

Emissions data

	Category	Unit	2020	2021	2022	Increase/decrease compared with the prior year	Density	Unit
Exhaust	Emission of nitrogen oxides	ton	6.81	8.55	4.27	-50.06%	-	-
	Emission of sulfur oxides	ton	0.044	0.060	0.034	-43.33%	-	-
	Emission of particulate matters	ton	0.020	0.025	0.025	-	-	-
Waste Water	Discharge amount	ton	971,747	1,457,206	1,315,087	-9.75%	1,878.41	ton/km (operating mileage)
	Chemical oxygen demand (cod)	ton	19.43	14.23	13.04	-8.36%	0.0186	ton/km (operating mileage)
Hazardous wastes	Waste chemical materials and their packages and containers	piece	/	313	731	+133.55%	1.0441	piece/km (operating mileage)
	Waste containers for paint and oil	piece	/	900	551	-38.78%	0.7870	piece/km (operating mileage)
	Oil-stained gloves	pair	/	5,984	3,442	-42.48%	4.9164	pair/km (operating mileage)
	Waste ink cartridges (including waste power)	piece	576	1,004	909	-9.46%	1.2984	piece/km (operating mileage)
	Waste cartridges	piece	1,016	1,277	832	-34.85%	1.1884	piece/km (operating mileage)
	Electronic wastes such as batteries	kg	150.41	237.26	109.16	-53.99%	0.1559	kg/km (operating mileage)
	Waste fluorescent lamps	kg	253.90	270.15	245.91	-8.92%	0.3512	kg/km (operating mileage)
Non-hazardous wastes	Paper	ton	138.77	53.25	50.58	-5.01%	0.0722	ton/km (operating mileage)
	Kitchen wastes	ton	2,340.76	2,659.82	1,311.01	-50.71%	1.8726	ton/km (operating mileage)
	Plastic	ton	4.96	14.39	7.11	-50.59%	0.0102	ton/km (operating mileage)
	Metal	ton	2.36	11.61	45.80	+294.49%	0.0654	ton/km (operating mileage)
	Wood products	ton	3.27	11.90	2.81	-76.39%	0.0040	ton/km (operating mileage)

## Notes:

## 1. Calculations of Nitrogen oxide emissions

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

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

Natural gas: Emitted nitrogen oxides (ton) = Natural gas consumption(m<sup>3</sup>)\*8 (kg/10,000m<sup>3</sup>)/1,000/10,000

## 2. Calculations of Sulfur oxide emissions

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

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

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

## 3. Calculations of Particulate matters (PM) emissions

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

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

4. Emission coefficients for gasoline and diesel come from *Reporting Guidance on Environmental KPIs* issued by HKEx.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.

## 6. Environmental data intensity = environmental data / operating mileage. The road sections covered in 2022 totaled 700.106 km.

## 7. 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 2022, the environmental statistics of YS Clean Energy Company was included (the environmental data disclosed in 2021 covered Jiangsu Expressway Company Limited, Ningchang Zhenli Company, Yangtze Commerce and Energy Company, Zhendan Company, Yangtze River Management Company, Ninghu Investment Company, Ninghu Properties Company, Guangjing Xicheng Company, and Wufengshan Toll Bridge Company). Due to the renovation of Xianrenshan Service Area and Yangcheng Lake Conference Center in 2022, the amount of waste emissions has significantly increased.

## Efficient use of resources

The Company abides by the relevant laws and regulations, including *Energy Conservation Law*, and *Cleaner Production Promotion Law*. We prioritize the management and utilization of resources, implementing the *Administrative Regulations for Energy and Resources Control*, and enhancing the monitoring and analysis of energy consumption. We strive to improve the utilization rate of resources to contribute to a resource-conserving and environmentally friendly society.

The Company actively implements the requirements of the *14th Five-Year Plan for the Development of Highway Maintenance and Management* issued by the Ministry of Transport. We encourage ourselves as well as our secondary and basic units to engage in energy-saving and environmental protection activities, and promote the use of environmental friendly facilities such as LED lights. We ensure energy-saving effects through reasonable control and reduction of brightness, light loss and invalid light projection. Through continuous upgrading of the lighting equipment and mechanical and electrical equipment in our service areas, we incorporate green construction practices into the bidding rules for renovation or new projects to ensure energy-saving and environmental protection in our operations.



We promote the efficient management of water resources in all our business activities by sourcing water from the municipal network instead of using natural water intake. We strengthen the daily management of water facilities in service areas, ensuring proper maintenance of measuring instruments and facilities. In addition, we utilize a water-saving monitoring platform to regularly collect data on instantaneous and cumulative water consumption, and analyze changes in special flow rates in a timely manner, achieving long-term and refined management of water use. In this way, we are committed to building water-saving highway service areas.

Energy consumption data

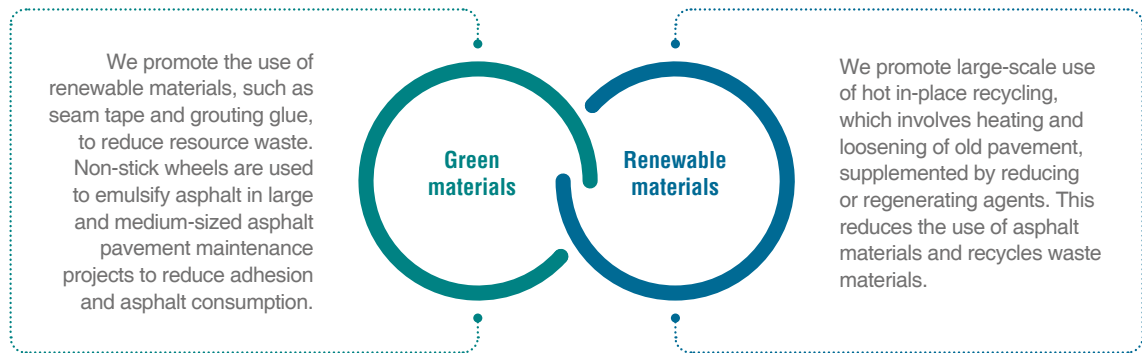
Energy type	Indicator	Unit	2020	2021	2022	Increase/decrease compared with the prior year
Direct energy consumption	Liquefied petroleum gas	kg	35,462	44,824	21,556	-51.91%
	Natural gas	m <sup>3</sup>	200,298	191,519.22	165,946.00	-13.35%
	Gasoline	L	233,579	418,314.81	334,816.77	-19.96%
	Diesel oil	L	496,732	662,711.65	461,068.11	-30.43%
Total direct energy consumption		tce	920	1,592.02	1,181.63	-25.78%
widely adopts of indirect energy consumption		tce /km (operating mileage)	2.18	2.48	1.69	-31.85%
Indirect energy consumption	Electricity consumption	kWh	41,737,067	70,763,085.58	62,410,379.48	-11.80%
Total indirect energy consumption		tce	5,129	8,696.78	7,670.24	-11.80%
Intensity of indirect energy consumption		tce /km (operating mileage)	12.13	13.57	10.96	-19.23%
Water consumption		ton	893,584	1,996,142.72	1,542,985.22	-22.70%
Water consumption intensity		ton/ km (operating mileage)	2,114	3,114.16	2,203.93	-29.23%
Total amount of packaging materials used for finished products		ton	Not applicable	Not applicable	Not applicable	Not applicable

## Notes:

1. The converted standard coal coefficient of natural gas in 2022, is that of oil field gas;
2. The average lower heating value (net calorific value) of a fuel is calculated according to *General Principles for Calculation of the Comprehensive Energy Consumption* (GB/T 2589-2008).
3. Environmental data intensity = environmental data / operating mileage. The road sections covered in 2022 totaled 700.106 km.
4. 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 2022, the environmental statistics of YS Energy Company was included (the environmental data disclosed in 2021 covered Jiangsu Expressway Company Limited, Ningchang Zhenli Company, Yangtze Commerce and Energy Company, Zhendan Company, Yangtze River Management Company, Ninghu Investment Company, Ninghu Properties Company, Guangjing Xicheng Company, and Wufengshan Toll Bridge Company).

## Green maintenance

The Company is committed to promoting green maintenance and widely adopts advanced techniques such as synchronous surface dressing and hot in-place recycling. These measures not only accelerate comprehensive recycling but also help reduce the cost of full-lifecycle maintenance while supporting quality and green development of highway maintenance.



Key measures to promote green maintenance



### Revitalizing green highways through comprehensive maintenance and cleaning

In 2022, the Suzhou Management Office leveraged the "Demonstration Month for Road Maintenance" to enhance environmental protection efforts in the road and surrounding areas. It organized construction units to remove white garbage from road surfaces and slopes, dredged side ditches to ensure smooth drainage, and monitored sensitive spots of the sound barriers to promptly repair and inspect damages. The office also cleaned greenery along to enhance the viewing of roads.



In 2022, the Company's recycling rate of waste asphalt residue and other waste materials reached

**100%**



In 2022, the usage rate of seam tape, potting adhesive, and other low-carbon maintenance materials reached

**100%**

## Low-carbon practices

The Company promotes green, eco-friendly, low-carbon, and healthy practices by organizing environmental protection campaigns for employees. We strive to become advocates, practitioners, and promoters for environmental protection through concrete actions and positive thoughts, contributing to low-carbon energy conservation and emission reduction. In 2022, the Company undertook scientific research projects in the Xianren Mountain Zero-Carbon Work Area and Service Area, and actively guided employees to participate in sports and outdoor activities to enhance their awareness of low-carbon lifestyle and environmental protection.



Key measures to save energy and reduce emissions



Ningchang Management Office carries out “Hand in Hand, Reach the Peak” hiking and mountaineering activity





### “Infinite Love, Boundless Green” Low-Carbon Awareness-Raising Activity

During the 32nd National Energy Conservation Publicity Week from 13 to 19 June, 2022, Jiangsu Expressway together with Yangtze Commerce and Energy Company organized a low-carbon hiking activity under the theme of “Infinite Love, Boundless Green.” The event aimed to promote green philosophy and awareness in transportation. Additionally, the two companies popularized green development concept and displayed promotional videos to employees to deepen their understanding of energy-saving and low-carbon practices.



The Southern Passage Management Office organizes the “Beautiful Home” clean-up campaign

## Care for the Local Ecology

Response to indicators

### A3.1

Jiangsu Expressway places great importance on ecological and environmental protection in road management. This includes implementing measures such as lawn laying, landscaping, drainage pipeline maintaining, and road marking. These actions actively promote environmental remediation and protect the natural environment and the well-being of local residents along the highway. By creating model highways that is beautiful, smooth and harmonious, we aim to contribute to the sustainable development of the local ecological environment.



#### Tianwang Road Maintenance and Drainage Center is committed to green development

In October 2022, the Tianwang Road Maintenance and Drainage Center partnered with the four major road administration teams along the river to launch a dedicated remediation operation of “returning farm-land to greenery and safeguarding the right of way”. This initiative aimed to ensure the intrinsic safety of the road and to improve the landscaping along the highway.

Planning  
comprehensively  
and **DEPLOYING**  
carefully

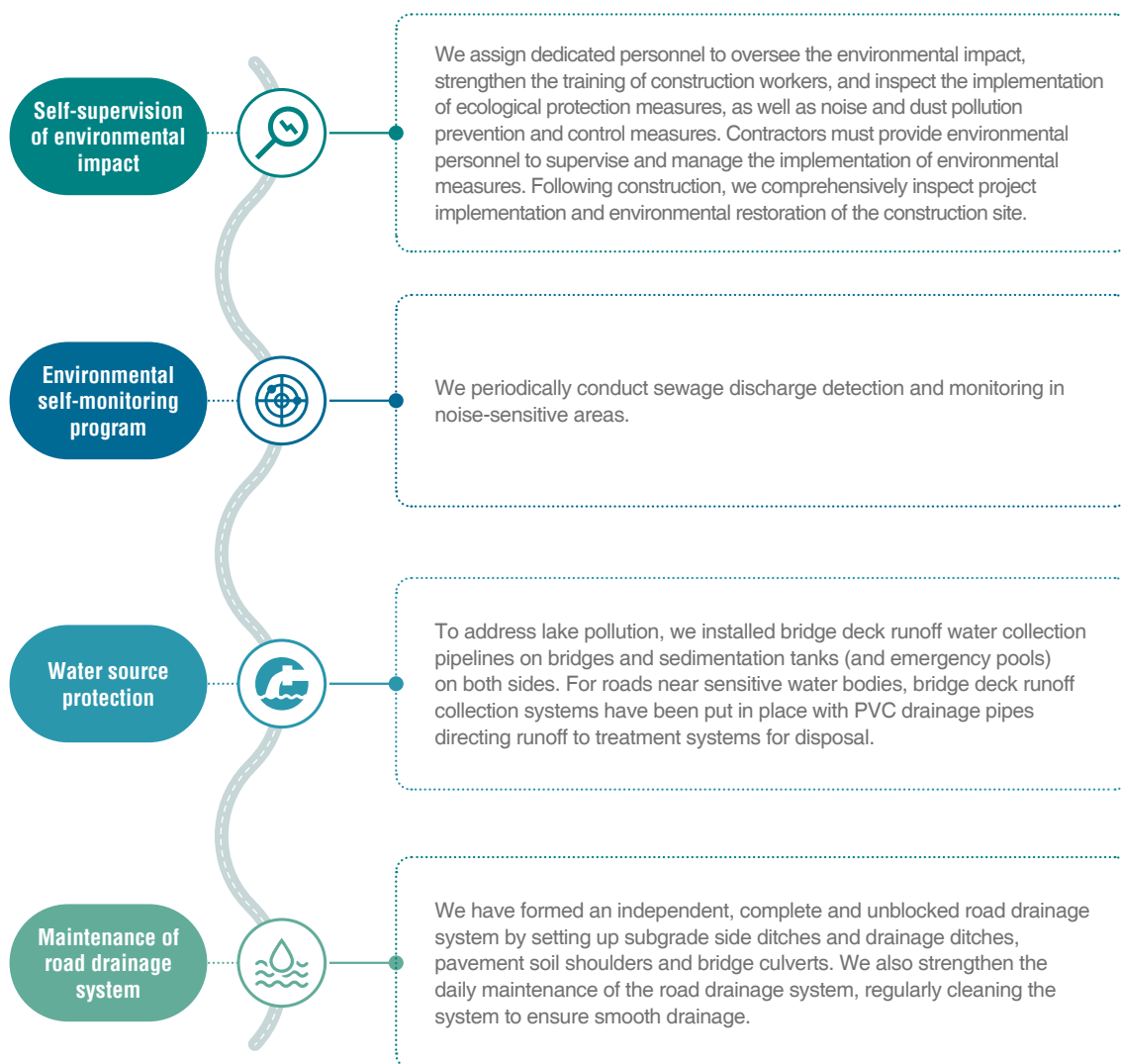
We actively collaborated with the four major road administration teams to conduct a cleanup operation, deploying two vehicles and seven personnel to clear three areas of planting, totaling over 200 square meters of land illegally occupied along the highway. We have reinforced the isolation fences and reforested the restored areas. We have also posted eye-catching notices and warning signs in violated areas.

Tracing the  
roots and **PROMOTING**  
laws and  
regulations

We aim to enhance the awareness of residents along the route to care for and protect highways. Thus, we have publicized and explained the regulations, such as the *Highway Law*, *Highway Safety Protection Regulations*, and *Environmental Protection Law*, to local residents. We promote the concept of highway land and control areas, and visit local village committees to further popularize the laws.

Following up  
and Conducting  
various levels  
of  
**INSPECTIONS**

We use digital technology and drones to conduct regular surveys and comprehensive investigations of areas near villages along the route. We also collaborate with road administration and law enforcement departments to manage open areas and areas prone to planting.

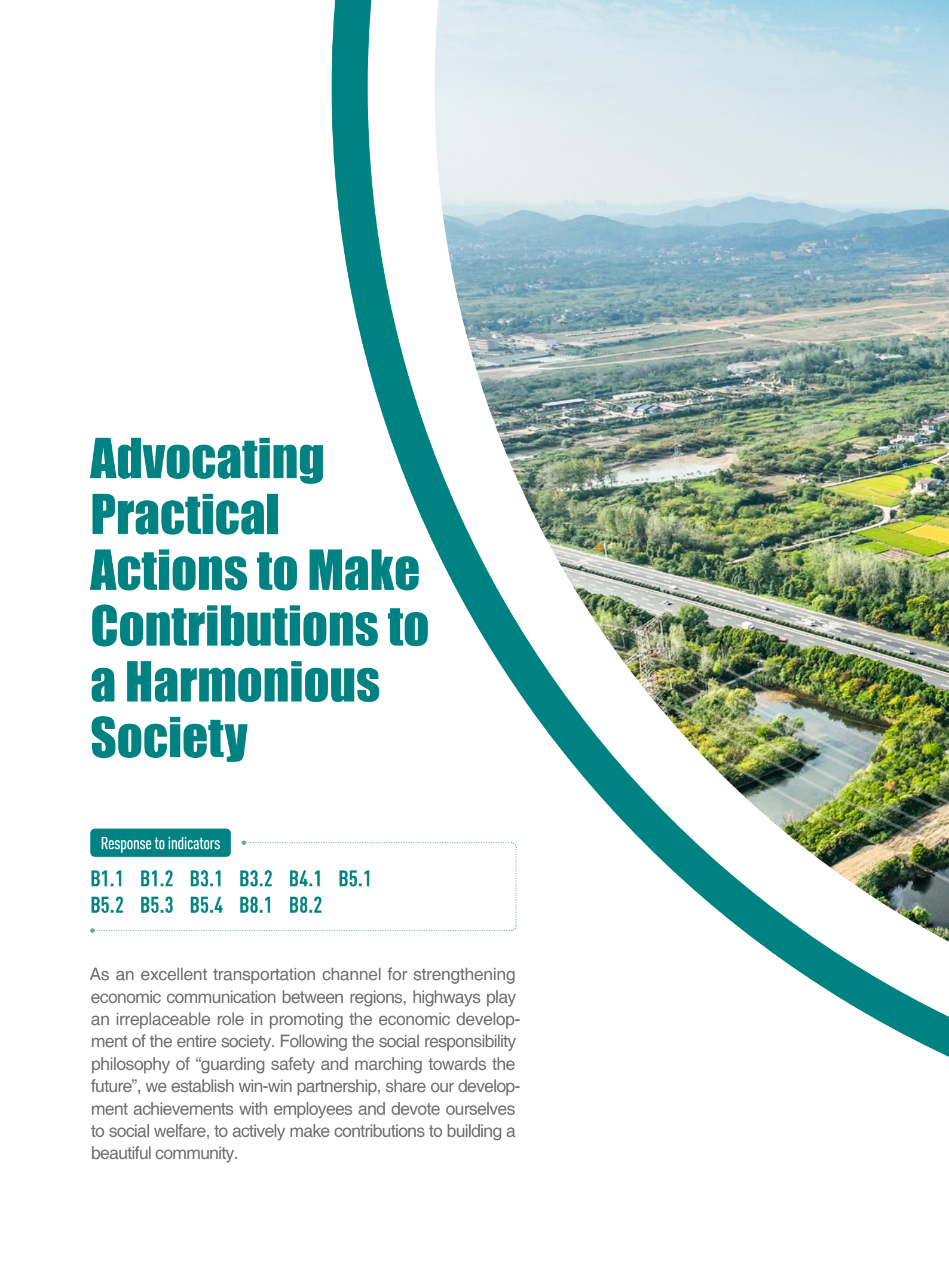


Key measures to reduce ecological impact



In 2022, the total length of the highway green belts reached **1,099.886** kilometers, an increase of **22.01%** compared with that in 2021 (**901.458** kilometers)





# Advocating Practical Actions to Make Contributions to a Harmonious Society

## Response to indicators

B1.1 B1.2 B3.1 B3.2 B4.1 B5.1  
B5.2 B5.3 B5.4 B8.1 B8.2

As an excellent transportation channel for strengthening economic communication between regions, highways play an irreplaceable role in promoting the economic development of the entire society. Following the social responsibility philosophy of “guarding safety and marching towards the future”, we establish win-win partnership, share our development achievements with employees and devote ourselves to social welfare, to actively make contributions to building a beautiful community.







## Win-win Partnership

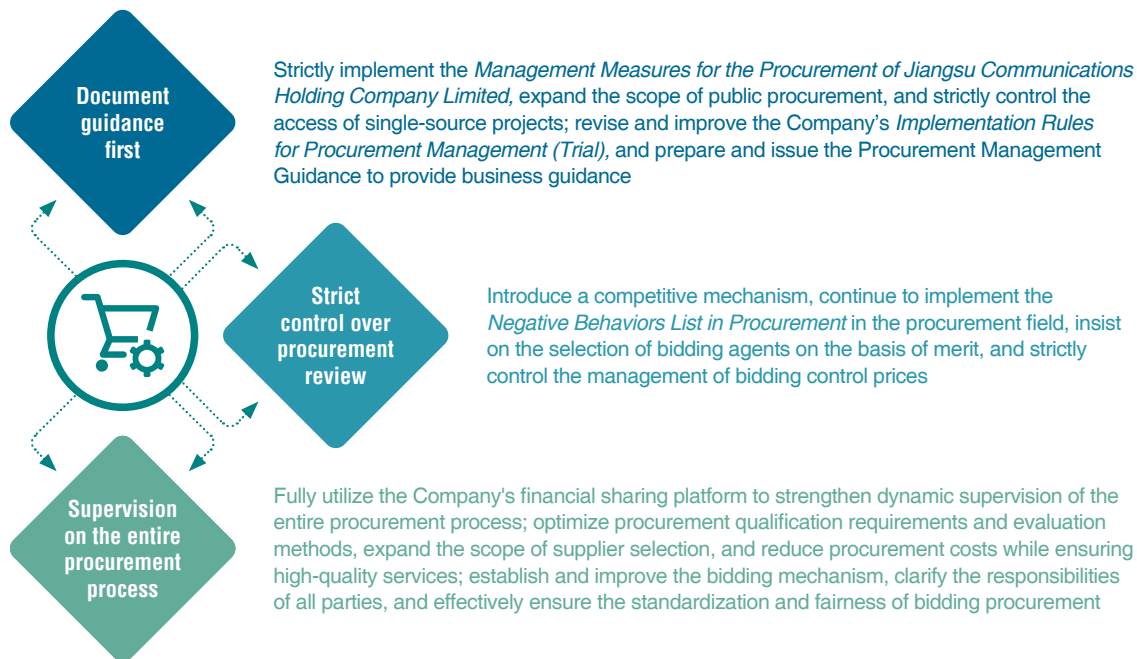
Response to indicators

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

Upholding the development philosophy of win-win cooperation, the Company actively carries out cooperation and exchanges with suppliers, industry associations and institutes, and industry partners, etc., strengthens model leadership, and shares fruitful results with the society, to facilitate the high-quality of the industry.

## Responsible procurement

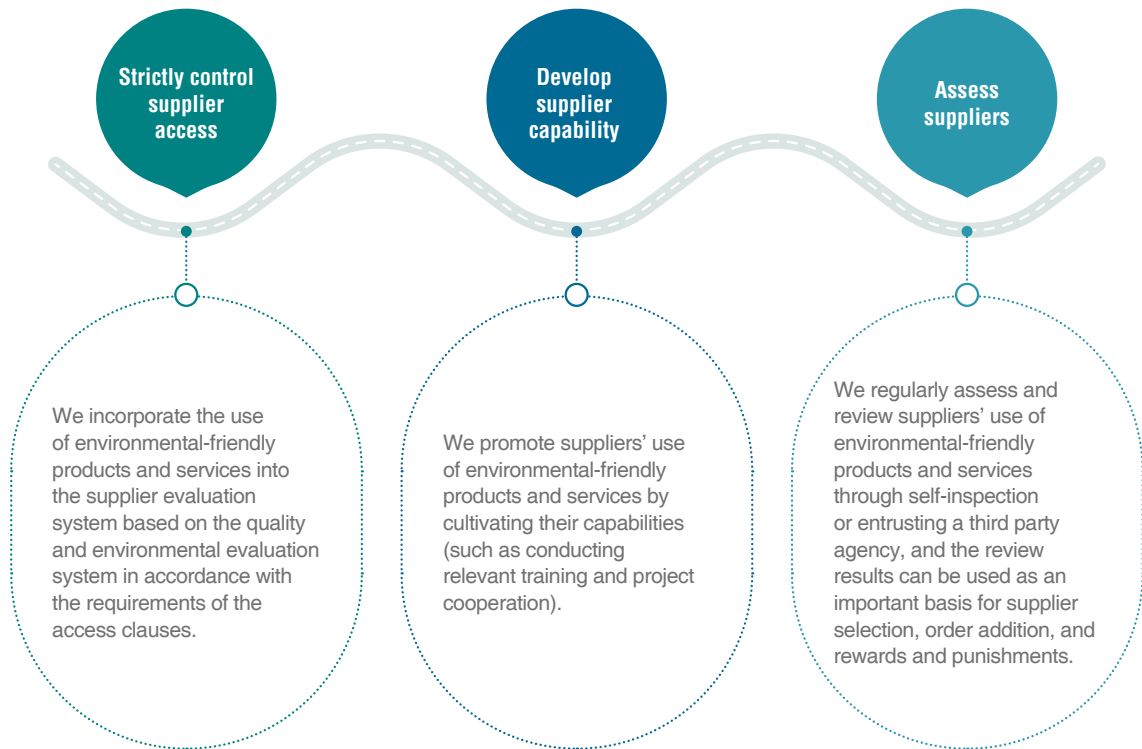
Integrating our work principles of “standardization, efficiency, fairness and integrity” into the procurement management, we continuously strengthen the review and supervision of the bidding and procurement procedure based on “compliance, quality and efficiency” to ensure the rigid implementation of various systems. Moreover, we also actively promote localized procurement to provide development opportunities for local buyers, which made 505 contract suppliers in 2022.



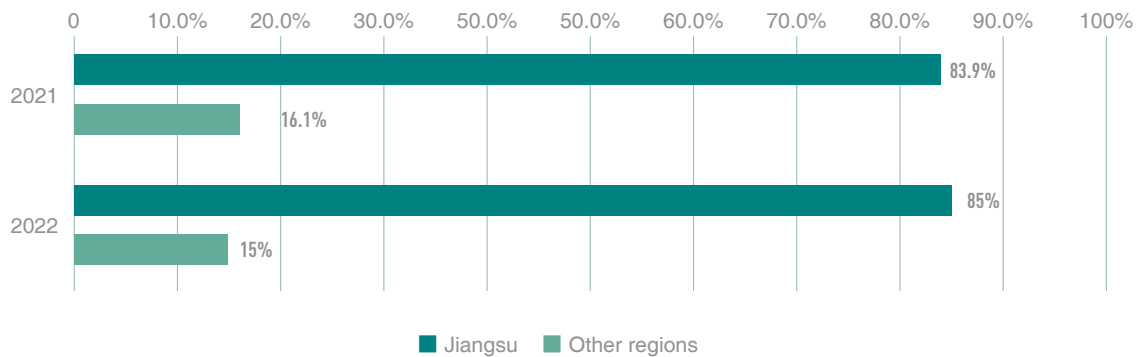
Mechanism to Improve Responsible Procurement



The Company attaches great importance to the growth of supplier responsibility. Social and environmental standards are used to screen and assess suppliers, who are encouraged to use environmental-friendly products. Meanwhile, environmental and social risks are inspected in all links of supply chains.



Specific Measures to Cultivate Responsible Suppliers

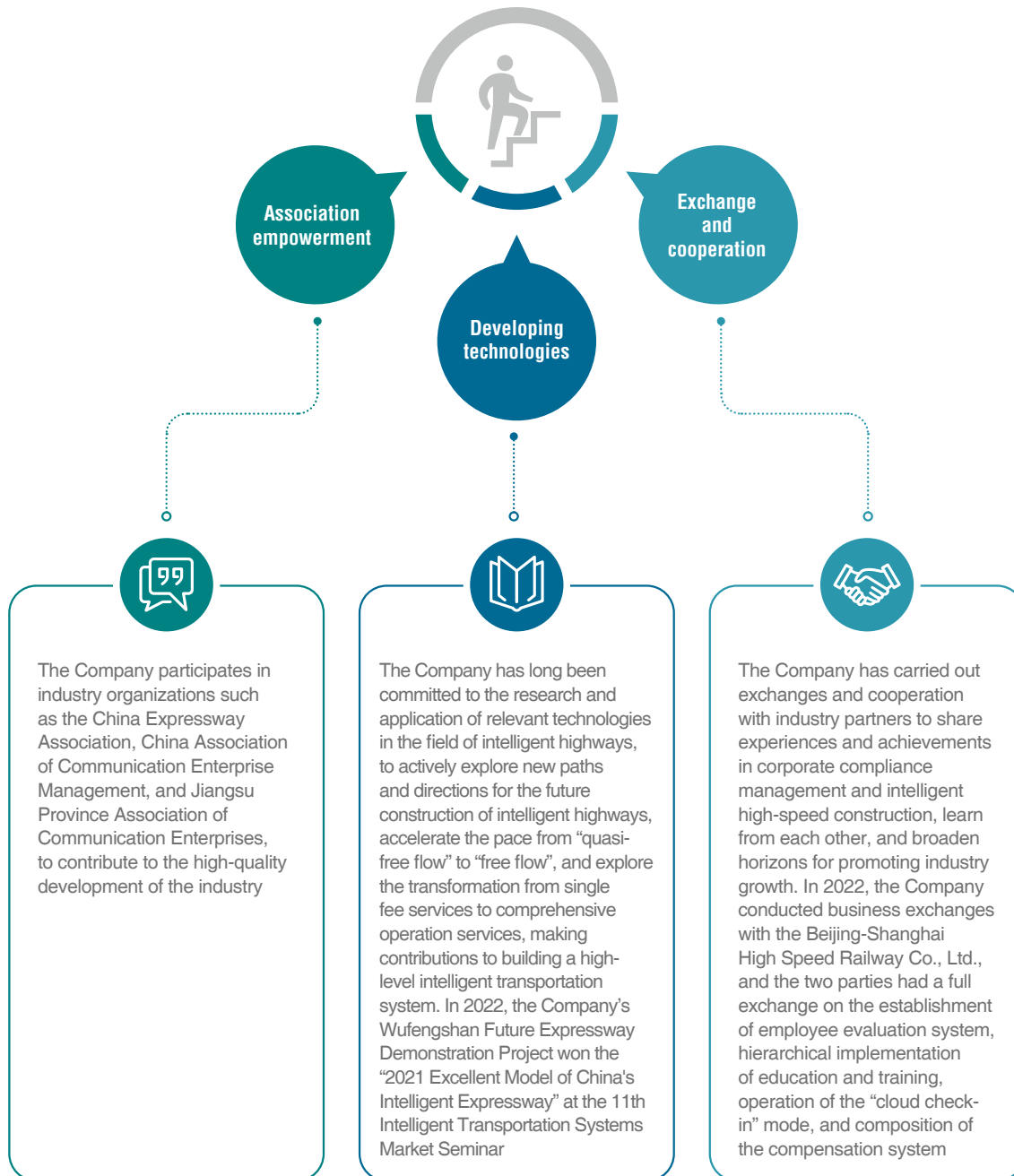


Note: Other regions include South China, North China, Southwest China, Northwest China, Northeast China, Central China, and overseas areas.

Percentage of suppliers by geographical distribution (%)

## Boosting industrial development

Committed to leading the national highway development, we, together with our partners, actively participate in industry associations and exchange, and special researches to enhance our influence in the industry and accelerate in-depth integration of high technologies with the transportation industry.



Key Measures to Boost Industry Development

# Growth with Employees

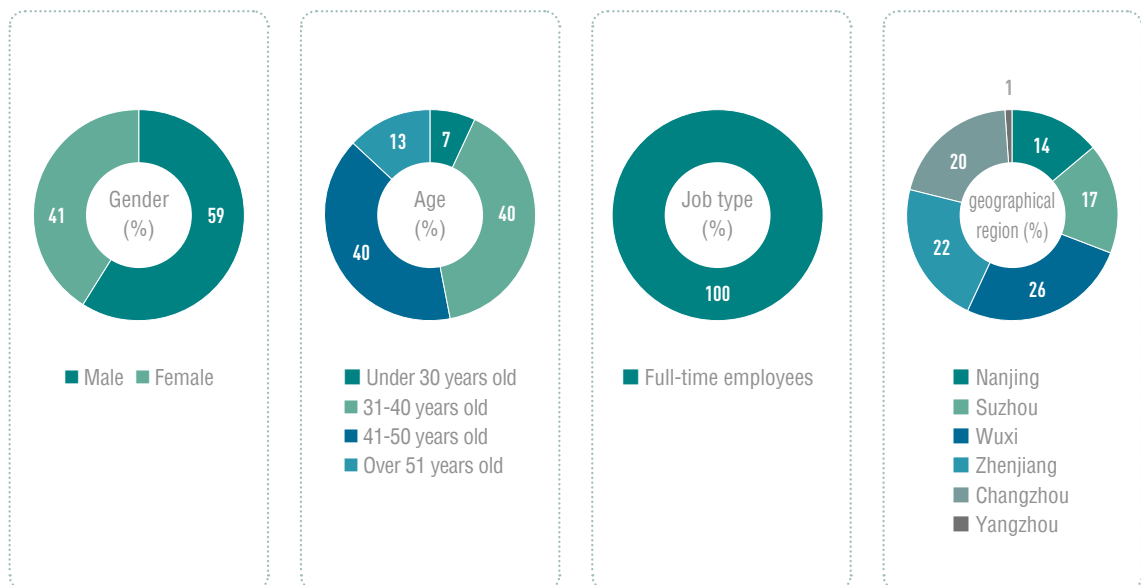
## Response to indicators

### B1.1 B1.2 B3.1 B3.2 B4.1

Upholding the “people-oriented” management philosophy, the Company regards employees as the most valuable asset for development. We are committed to developing together with our employees by safeguarding their legitimate rights and interests, broadening career development paths through multi-channel training, and caring for their physical and mental health.

## Protecting of employees’ rights and interests

Attaching great importance to protecting legitimate rights and interests of our employees, the Company 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 Regulation Salary Payment of Jiangsu Province*, and persists in fair and equal employment. We prohibit the discriminatory terms on gender, nationality, and religious belief in the recruitment, and the recruitment of 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 entering into agreements with suppliers and contractors, it is explicitly stipulated that child labor and forced labor in any forms are prohibited in accordance with the provisions of the *Labor Law*. Any violations will lead to a termination of our cooperation. Moreover, we actively create a diverse and inclusive workplace where both male and female employees enjoy equal pay for equal work with a non-discriminatory human resources system implemented. During the reporting period, no violations or negative incidents were reported in the Company.



Employee Turnover Rate by Gender, Age Group and Geographical Region (%)



Employee Turnover Rate by Gender, Age Group and Geographical Region (%)

Category		2021	2022
Gender	Male	0.0518	0.9343
	Female	0.7768	0.7089
Age group	Under 30 years	0.2071	2.8409
	31-40 years old	0.4920	1.1446
	41-50 years old	0.1036	0.4132
	Over 50 years old	0.0259	0
Geographical region	Nanjing	0.0777	2.3256
	Suzhou	0.1813	0.2500
	Wuxi	0.1036	0.9608
	Zhenjiang	0.0777	0.1896
	Changzhou	0.3884	0.9414
	Yangzhou	0	1.8182

### ◎ Democratic management

The Company has established and improved systems of employee representative congress, transparent corporate governance, solicitation of employees' opinions, 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 approved by the employee representative conference according to laws, regulations and the Articles of Association to protect employees' rights to democratic decision-making, management, supervision and to share the reform and development outcomes with employees.

### ◎ Protection of employees' rights and interests

In strict accordance with national regulations, we provide employees with social insurances and housing fund. Moreover, in line with the *Regulations on Supplementary Medical Insurance Management* we formulate, fund-based insurance and critical illness insurance are provided to supplement basic medical insurance for all employees and retirees, reducing the financial burden of employees who suffer from illnesses. The *Enterprise Annuity Implementation Rules* is also improved to provide multi-level pension guarantee for retired employees.

In order to guarantee employees' vacation rights, apart from statutory national holidays, we offer 5 to 15 days of paid leave according to the *Regulations on Annual Paid Leave*. The *Rules Regulations on Performance Assessment* and other systems have been revised to continuously improve the standardization of the system procedures and fully mobilize the work enthusiasm of employees.



In 2022, the labour contract signing rate

**100%**



In 2022, social insurance coverage

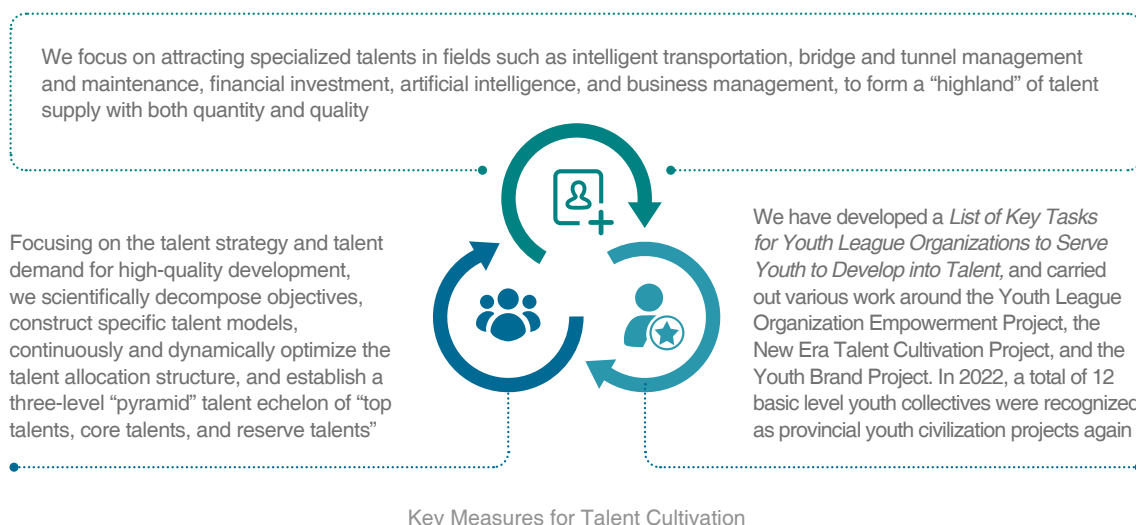
**100%**

## Employee promotion and development

In line with the strategy of “talent-powered development”, the Company constantly improves the mechanism of talent selection, introduction, employment, cultivation, and promotion, and builds management teams, technical team and staff team that are compatible for the Company’s long-term development. Meanwhile, we are committed to building a broad development platform and expanding growth space for employees, to stimulate their individual initiative, creativity and enthusiasm, and fully unleash the core value of talent resources.

### ◎ Talent cultivation

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”. We also strengthen the top-level design of human resources, and introduce market-oriented core talents with an open attitude, to continuously optimize the talent structure.



### ◎ Assessment and promotion mechanism

In accordance with the national and local laws and regulations and other requirements, the Company has formulated three systems, including the *Management Measures for Management Personnel*, to develop rational plans for the introduction and development of talents and optimize the allocation of human resources, establish and improve the performance assessment system and compensation distribution plan, to be more standardized and scientific, and continuously enhance the work enthusiasm of all employees, in combination with *Human Resources Management Measures*, *Employee Rewards and Punishment Management Measures (Trial)*, *Regulations on Performance Assessment and Compensation Management Rules (Interim)*. In 2022, the Company prepared and issued the *Implementation Measures for Annual Comprehensive Assessment (Trial)*, tightening the three-level assessment main structure, and forming a benign mutual promotion mechanism through comprehensive and cross assessment between departments (institutions).

### ◎ Diversified training

Upholding the cultivation philosophy of “talent first”, the Company has established a sound training system, and implemented the *Employee Education and Training Management System*. A variety of training activities were carried out, and various development opportunities were provided to advance the quality growth of employees, and provide them with guidance in business learning, skill competition and quality development based on their own posts. In 2022, the Company’s employee training coverage rate reached 100%, with each employee receiving 19 training hours.

## Advocating Practical Actions to Make Contributions to a Harmonious Society

Jiangsu Expressway Company Limited Corporate Social Responsibility Report 2022

We closely coordinate the adjustment of the charging mode, and carry out new skill training to ensure that the quasi-free flow passageway of the management office operates normally, and the long tunnel operates as scheduled

According to the unified deployment of the Skill Certification Center of Jiangsu Communications Holding, we conducted five-level certification for "highway toll collection and monitoring personnel" and "refueling workers", with over 400 participants



We have promoted the training of internal mentors, have successively cultivated 36 internal mentors, developed 14 high-quality courses with "Jiangsu Expressway characteristics", and selected internal mentors to participate in the national competition of "I am a good lecturer", with a total of 5 winners

Key Measures for Diversified Training



### Self "ordering", a "New Mode" of Human Resources Business Training

On November 21, 2022, the Company's special business training courses for human resources practitioners was held in Yangzhou, attracting a total of over 50 participants from secondary institutions, subsidiaries and basic level. This training adopted the self "ordering" mode by trainees with three steps, making the courses more "interesting", theories more practical and procedures more "operational". The first step was in-depth research to identify "problems"; the second step was to invite lecturers to teach "problem-solving" skills; the last step was to make an overall plan and bring out the theme. The training content included resolving conflicts in employee relationship management, labour relationship case analysis and exchange, practical knowledge, and tool application of talent review, providing new perspectives for participants to improve themselves.



In 2022

Average training hours for male employees

**19** hours

Average training hours for female employees

**20** hours

Average training hours for basic level employees

**20** hours

Average training hours for middle-level employees

**19** hours

Average training hours for senior employees

**19** hours



## Employee care

The Company always values the development needs of employees. We actively create a warm and comfortable workplace for employees, care for their physical and mental health. We carry out various forms of cultural and sports activities to deeply build a harmonious enterprise, promote the realization of the “Happy Jiangsu Expressway” project, and continuously enhance happiness and satisfaction of employees.

### ◎ Visiting and assistance to employees

The Company actively sends care to employees in hot weather and during the Spring Festival, and carries the “Voices to Secretary” and other activities to care about employees in difficulties, improving the assistance mechanism to help employees solve difficulties and challenges in their work and life. In 2022, the Company visited and helped 146 employees in need with a relief fund of RMB 284,800 distributed.



#### “Colling off” Visiting Activity carried out

From 25 July to 5 August, visiting teams led by the Company’s leaders visited the secondary subsidiaries and sent their care about employees in hot summer, and timely expressed care of the Party committee and labor union, stimulating the work enthusiasm of front-line employees and comprehensively improving their satisfaction, happiness and sense of belonging.



### ◎ Care for the life quality of employees

The Company has built a staff's favourite canteen enriched with flavour, warmth, culture and characteristics. Taking the canteen as a platform, we organize and carry out summer parent-child activities and events on Dragon Boat Festival, and Mid-Autumn Festival for employees, to continuously improve their life quality. In 2022, our three canteens were recognized by the State-owned Assets Supervision and Administration Commission (SASAC) of Jiangsu Province as the "Good Canteens for Employees" of provincial enterprises from 2021 to 2022.

#### Parent-child Activities" Improve Employees' Family Happiness

In order to help employees build a harmonious and happy family and improve their happiness index, the Company's labour union and the labour union of Yangtze Commerce and Energy Company jointly carried out the summer parent-child activity of "Realize Children's Dreams in Happy Jiangsu Expressway", building a warm service platform for the labour union members for exchanges and sharing, parent-child interaction and learning. Various forms of interesting educational activities stimulated children to enjoy life and explore the world, enriched their creative thinking, promoted parent-child communication, and enhanced employees' sense of belonging and identification with the Company.

### ◎ Work life balance

The Company actively carries out fitness activities themed on "Keep fit and Energetic for a New Journey", organizes warm dormitory competition, and a series of activities such as "Engaging in Reading in Jiangsu Expressway", constantly enriching the cultural life of employees, bringing the concept of "happy work, healthy life" into mind, and creating an atmosphere of unity, mutual assistance and harmonious enterprise development.



Jiangsu Expressway achieved excellent results in the 2022 System Comprehensive Sports Games of Jiangsu Communications Holding

# Development with Community

Response to indicators

B8.1 B8.2

Jiangsu Expressway proactively implements the rural vitalization strategy, actively integrates into the building of a beautiful community, encourages employees to participate in volunteer services and shares enterprise development achievements with the community, demonstrating its corporate responsibility.

## Rural vitalization

In accordance with the overall arrangement of the provincial SASAC and the unified deployment of Jiangsu Communications Holding, the Company has prudently implemented a village-enterprise assistance activity and a city-village paired assistance activity for civilization building. We have paired with Shuangxi Village, Dazou Town, Xinghua City to assist in the construction of a large village stage, a rural main road, and a revetment. Targeted assistance was provided to Ganyu District, Lianyungang City for village construction projects. A total of RMB 1.2 million was invested in a series of assistance projects, benefiting 4,555 people, and making a "state-owned enterprise contribution" to vitalizing the rural economy and helping to create a characteristic and beautiful village.



### Village-enterprise Assistance in the Building of Beautiful Villages

On 27 January 2022, Jiangsu Expressway held a village-enterprise exchange meeting with the People's Government of Dazou Town, Xinghua City, and Shuangxi Village, Dazou Town. At the meeting, the three parties signed an agreement, indicating that the Company will continue to provide a series of assistance and identify the best combination points in accordance with the current difficulties in Shuangxi Village and the actual situation of the enterprise, making contributions to building a new socialist countryside and a modern, strong, prosperous and graceful Jiangsu Province to the extent possible.





## Community volunteer activities

The Company is enthusiastic about public welfare activities, such as respecting and helping the elderly, green environmental protection, safety promotion, providing convenience services, and blood donation, and is committed to sharing the achievements of enterprise development with the community. In 2022, we launched the Week of Learning from Lei Feng themed “Taking the lead in Volunteer Activities to Create Warm Shanghai-Nanjing Expressway”, and organized the volunteer blood donation, with a cumulative total of 63,800 ml of blood donated.

### Our journey to provide public welfare actions

In 2022, Yangtze River Management Company carried out volunteer public welfare activities such as “Help Little Migratory Birds Fly” campaign, caring for farmers, “hand-in-hand” online services, tree planting, respecting the elderly, and “small summer camps” based on actual conditions. In the “Help Little Migratory Birds Fly” campaign, Yangtze River Management Company presented 4,000 masks, 60 bottles of hand sanitizer, 200 books, and grants. The “Dream Transformation+” care plan was also implemented, with an investment of RMB 96,000 in the construction of eight dream cottages in Xuzhou, Jiangyin, Yixing, and other regions, promoting community sharing and development results.



Volunteer Blood Donation Activities



In 2022, RMB **1.4045** million was donated, including RMB **1.3445** million in funds and RMB **60,000** in materials, mainly used for rural poverty alleviation and public welfare construction, benefiting **4,863** people  
**1,942** volunteers, **6,568** volunteer service hours, **7,792** participants involved

# Appendixes

## About This Report

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

### Reporting Objectives

Jiangsu Expressway 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 2022 to 31 December 2022. For the purpose of complete and timely information disclosure, certain contents may extend beyond the stated period.

### Reporting Cycle

This annual report is the 14th corporate social responsibility report released by Jiangsu Expressway Company Limited. The most recent report was published in March 2022.

### Reporting Boundary

The Report covers Jiangsu Expressway and its seven wholly-owned subsidiaries and four non-wholly owned subsidiaries (consistent with the scope covered by the consolidated financial statements, excluding quantitative data and financial information).

### Preparation Basis

This report was prepared in accordance with HK-ESG, 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 Standards 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 version of the report on the website of Shanghai Stock Exchange ([www.sse.com.cn](http://www.sse.com.cn)) and HKEx ([www.hkexnews.hk](http://www.hkexnews.hk)) and the Company's website ([www.jsexpressway.com](http://www.jsexpressway.com)). If you need a printed report or have any suggestion, please contact us as follows::

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## Feedback Form

Thank you for reading Jiangsu Expressway Company Limited Social Responsibility Report 2022. 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?

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

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