齐鲁高速公路股份有限公司
QILU EXPRESSWAY COMPANY LIMITED

(a joint stock company incorporated in the People's Republic of China with limited liability)

Stock Code: 1576



2025

Environmental, Social and Governance Report

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ABOUT THIS REPORT

This report is the eighth Environmental, Social and Governance ("ESG") report issued by Qilu Expressway Company Limited and its subsidiaries. This report aims to systematically disclose the Company's specific practices and achievements in practicing sustainable development and fulfilling its social responsibilities.

TIME FRAME

This report sets out the results and performance in connection with sustainable development of the businesses directly controlled by the Company during the period from 1 January 2025 to 31 December 2025 (the "Year" or the "Reporting Period").

REPORTING SCOPE

The contents disclosed in this report cover Qilu Expressway Company Limited (齊魯高速公路股份有限公司), Jihe Operation and Management Centre (濟菏運管中心), Deshen Operation and Management Centre (德莘運管中心), R&E Project Office (改擴建項目辦), Shandong Shunguang Industrial Development Company Limited (山東舜廣實業發展有限公司), Qilu Expressway (Hong Kong) Company Limited (齊魯高速(香港)有限公司), Shandong Gangtong Construction Co., Ltd. (山東港通建設有限公司), Qilu Expressway (Shandong) Assembly Co., Ltd (齊魯高速(山東)裝配有限公司) and Qilu Expressway (Shandong) Investment Management Co., Ltd. (齊魯高速(山東)投資管理有限公司) and Qilu Expressway (Shandong) Energy Technology Company Limited (齊魯高速(山東)能源科技有限公司).

In this report, "Qilu Expressway Company Limited" (齊魯高速公路股份有限公司) is referred to as "Qilu Expressway", "the Company" and "we", "Shandong Shunguang Industrial Development Company Limited" (山東舜廣實業發展有限公司) as "Shunguang Company" and "Shunguang", "Shandong Gangtong Construction Co., Ltd." (山東港通建設有限公司) as "Gangtong Company" and "Gangtong", "Qilu Expressway (Shandong) Assembly Co., Ltd" (齊魯高速(山東)裝配有限公司) as "Assembly Company", "Qilu Expressway (Shandong) Investment Management Co., Ltd". as "Investment Company", and "Qilu Expressway (Shandong) Energy Technology Company Limited" (齊魯高速(山東)能源科技有限公司) as "Energy Technology Company".

PREPARATION STANDARDS

This report is prepared in accordance with the Environmental, Social and Governance Reporting Code (the "Code") as set out in Appendix C2 of the Rules Governing the Listing of Securities issued by The Stock Exchange of Hong Kong Limited (the "Stock Exchange"). This report has complied with all "mandatory disclosure requirements" and "comply or explain" provisions in the Code, and the contents are in line with the reporting principles of "materiality", "quantitative", "balance" and "consistency" in the Guide. Readers may refer to the Appendix: Index of the Environmental, Social and Governance Reporting Code of the Stock Exchange in this report for quick reference.

ABOUT THIS REPORT

MATERIALITY	We have disclosed and identified the process and criteria of material ESG issues. During the Year, after the materiality assessment has been approved and confirmed by management, relevant issues and the results of communication with the stakeholders have been included in this report.
QUANTITATIVE	The Company has disclosed the statistical criteria, methods, calculation tools and sources of conversion factors for all data in this report.
BALANCE	This report aims to present the Company's performance during the Reporting Period in an objective manner to avoid biased statements, omissions or presentation formats that may inappropriately influence the decision or judgement made by its readers.
CONSISTENCY	Unless otherwise specified, the statistical methods and standards for the data disclosed in this report are consistent with those used in previous years. If there are any changes that may affect the comparison with previous data, we have made clear explanations.

DATA STATEMENTS

All information and data cited in this report are obtained from the Company's audited official documents, statistical reports and financial reports, which have been reviewed and confirmed by the Company's relevant departments. All information and data cited in this report are for the sole use of ESG information disclosure by the Company and are not authorized for other commercial uses. Unless otherwise specified, all currency amounts in this report are in RMB.

APPROVAL OF THE REPORT

This report has undergone an internal review process and was approved by the Board on 31 March 2026. This report is published in both Chinese and English. If there is any discrepancy between the Chinese and English versions, the Chinese version shall prevail.

DISCLOSURE MEANS

The electronic version of the ESG Report is published on the HKEXnews website of the Stock Exchange (www.hkexnews.hk) for your reference. If you have any enquiries, suggestions or need further information on this report or the Company's ESG-related matters, you are welcome to visit our official website, and we are glad to answer your questions.

Website: http://www.qlecl.com/

ABOUT QILU EXPRESSWAY

COMPANY PROFILE

As a subsidiary of Shandong Hi-Speed Group Company Limited, Qilu Expressway Company Limited is a listed company in Hong Kong. We are mainly responsible for the construction, maintenance, management and road operation of Jihe Expressway (G35), the Deshang Expressway (G0321) (Liaocheng – Fan County section) and Shennan Expressway (S28), amounting to a combined length of 240.8 kilometers, and steadily expand related diversified businesses along the upstream and downstream industrial chain of expressways. The headquarters of the Company have 10 functional management departments, overseeing two operation centers of Jihe and Deshen, as well as holding and participating in equity interests in 6 subsidiaries including Shandong Shunguang Industrial Development Company Limited (山東舜廣實業發展有限公司), Qilu Expressway (Hong Kong) Company Limited (齊魯高速(香港)有限公司), Qilu Expressway (Shandong) Assembly Co., Ltd (齊魯高速(山東)裝配有限公司), Shandong Gangtong Construction Co., Ltd. (山東港通建設有限公司), Qilu Expressway (Shandong) Investment Management Company Limited (齊魯高速(山東)投資管理有限公司) and Qilu Expressway (Shandong) Energy Technology Company Limited (齊魯高速(山東)能源科技有限公司).

During the "14th Five-Year Plan" period, the Company is based on the corporate mission of "Smart Mobility for a Bright Future", actively seizes the development opportunities of building a modern and powerful province in the new era, deeply integrates into the development strategy of "One Body, Two Wings and Three Drives" of Shandong Hi-Speed Group, and systematically promoted the transformation and development path of "leading by the main business, combining industry and finance, and dual-wheel drive". On the basis of continuously consolidating and improving the quality and efficiency of principal business of expressway operation, the Company actively cultivates new business models, expands new development tracks, gradually builds a new pattern of "dual-wheel drive" with coordinated development of industrial operation and capital operation, continuously improves integrated service capabilities and sustainable development level, and steadily strides towards the strategic vision of "becoming a first-class integrated expressway service provider".

ABOUT QILU EXPRESSWAY

2004

Shandong Jihe Expressway Company Limited, the predecessor of the Company, was registered with the Shandong Administration for Industry and Commerce and was owned by Shandong Luneng Infrastructural Engineering Investment Company Limited (山東魯能基礎工程投資有限公司) and Highway Bureau, Department of Transport of Shandong Province. At the end of the year, the construction of Jihe Expressway was fully commenced

2007

Jihe Expressway was fully completed and commissioned, and we won the First Class Honour of Major Provincial Transportation Project Accomplishment for the year

2009

Through the CIS project, we finally formed an "Inclusive Culture (和文化)" system with "integration, intelligence and cohesion (融心匯智凝和共濟)"as its core value

2011

The Company was awarded the title of Leading Unit in Creating Civilised Industry under the Eleventh Five-year Plan, and COSCO Shipping made investment in Jihe Expressway

2012

The Company was awarded the title of Outstanding Team of Provincial Expressway Maintenance and Management Works under the Eleventh Five-year Plan

2014

The Company's "Inclusive Culture" was awarded as the Top Ten Civilised Brand of Highway Systems in Shandong Province

2015

The Company was awarded the Outstanding Unit under National Trunk Highway Maintenance and Management under the Twelfth Five-Year Plan and the Model Team of National Highway Transportation System
In the year, the shareholding of Shandong Highway Bureau was transferred to Qilu Transportation Group

2016

The Company achieved full coverage of ETC
The Company was renamed as Qilu Expressway Company Limited (齊魯高速公路股份有限公司) in December

2018

Qilu Expressway Company Limited was listed on the Main Board of the Hong Kong Stock Exchange (Stock Code: 01576)
Became the first overseas (Hong Kong) listed company in the expressway sector of Shandong Province

2020

The Company acquired Deshang Expressway (Liaocheng – Fan County section) and Shennan Expressway
In September, became the holding subsidiary of Shandong Hi-Speed Group

2022

We have established a transformative development strategy guided by the principles of strategic approach of "leading by principal business and industry-finance integration and two-wheel drive (主業引領、產融結合、雙輪驅動)" to promote the high-quality transformation and development of the Company

2023

We launched the "Smart Beauty of Qilu" corporate culture system as we strived to become a leading integrated expressway service provider in the industry

2024

The reconstruction and expansion project of Jihe Expressway was completed and Jihe Expressway became the first zero-carbon reconstructed and expanded expressway in China

2025

Qilu Expressway (Shandong) Energy Technology Company Limited (齊魯高速(山東)能源科技有限公司), the first wind power hybrid tower full-chain service provider among Shandong Province-owned enterprises, was officially established

ABOUT QILU EXPRESSWAY

ANNUAL ESG CORE HIGHLIGHTS OF PERFORMANCE

REINFORCING FOUNDATION AND DREDGING SOURCE, PLANNING FOR A NEW CHAPTER

10 audit projects were conducted, and **no** significant internal control deficiencies were found

15 directors participated in anti-corruption training, receiving a total of **15** hours of anti-corruption training

468 employees participated in anti-corruption training, receiving a total of **25** hours of anti-corruption training

No cases of corruption occurred

INTEGRATING AND ADVANCING, PAVING A SMOOTH PATH

Good/excellent road rate amounted to **100%**, and the proportion of Class I and II expressway bridges amounted to **100%**

During major holidays, the Company provided toll exemptions to a total of **1,794,950** vehicles, with a total amount of toll exemption of **RMB150,581,800**

Customer satisfaction rate was **above 99.6%**

The Company organized a total of **1,401** work safety examinations and achieved a **100%** rectification rate for safety hazards

The Company experienced **no** information security incidents or related complaints

ABOUT QILU EXPRESSWAY

PRACTICING THE MISSION OF LEADING LOW-CARBON DEVELOPMENT

No noise, dust, solid waste and water pollution incidents occurred in all the management projects

ISO 14001 environmental management system certification has been obtained

Intensity of greenhouse gas emissions was **0.04** tCO_2e/RMB ten Thousand

UNITING EFFORTS AND MOVING FORWARD TOGETHER

Average training hours of employees amounted to **229.2 hours**, with a training coverage rate of **100%**

Employee union participation rate was **100%**

No work-related injuries occurred during the Reporting Period

In the past three years (including the Reporting Period), the Company had **no** work-related fatalities

The Company organized **688** person-times employees to participate in volunteer service activities, with a cumulative total of **1,115 hours**

ABOUT QILU EXPRESSWAY

ANNUAL HONOURS AND AWARDS

Awards/Honours	Awarding Institution
First Prize of the Labor Competition of Jinan "Project Deepening Year" (Assembly Company)	Jinan Municipal Federation of Trade Unions
"Top 100 Outstanding Micro-courses" of the "Xiehua Award" Enterprise Micro-course Competition ("擷華獎"企業微課大賽"百強優秀微課")	The Organizing Committee of the Xiehua Award Enterprise Micro-course Competition (擷華獎企業微課大賽組委會)
Golden Mang Award (金芒獎)	National Transport Investment Industry Digital Skills Micro-course Competition Organizing Committee (全國交投行業數字技能微課大賽組委會)
2025 National Transportation and Energy Integration Innovation Cases	China Highway & Transportation Society, etc.
Third Prize in Jinan Industrial Green and Low-Carbon Innovation and Development Competition	Jinan Municipal Bureau of Industry and Information Technology
Award of Excellence in Shandong Province Transportation Science and Technology Innovation Application Competition	Shandong Province Transportation Research Board
Outstanding Board of Directors Award at the 20th Golden Roundtable Award for Board of Directors of Listed Companies in China	The "Board of Directors" magazine
Transportation Corporate Social Responsibility (ESG) Excellence Report	China Transportation Enterprise Management Association
2025 Transportation Corporate Social Responsibility (ESG) Outstanding Case	China Transportation Enterprise Management Association
Outstanding ESG Award: Gold Award for Listed Companies	Institute of Environmental, Social and Governance Benchmarking Institute (IESGB)
Typical Case of National Expressway Innovation and Development	"People's Transportation" magazine, the "Old Transportation" Think Tank ("老交通"智庫) of the Ministry of Transport, etc.
"Top 100 ESG Companies"	Board Secretary Association and JDM (聚董秘)
"Top 100 IRM Companies"	Board Secretary Association and JDM (聚董秘)
First Prize, Second Prize and Third Prize in the 2025 Shandong Province Emergency Safety Science Popularization Works	Office of the Work Safety Committee of the People's Government of Shandong Province (山東省人民政府安全生產委員會辦公室) and Department of Emergency Management of Shandong Province
Gold Award, Silver Award, Bronze Award of National Voluntary Blood Donation Award	National Health Commission, Red Cross Society of China and Health Bureau of the Logistics Support Department of the Central Military Commission

ABOUT QILU EXPRESSWAY

OUR MISSION AND VISION

Smart Mobility

In the era of Internet of Everything, scientific and technological advancements are rapidly progressing, with smart transportation taking the lead in shaping the future. We will dedicate ourselves to devising smart expressway strategies, nurturing skilled professionals, and continuously enhancing the quality and technical expertise of our expressway operation services. Through scientific and technological innovation, our aim is to revolutionize public travel by enabling smart mobility, embracing new ways of transportation.

A Brighter Future

We stay updated with current trends, striving for both economic efficiency and sustainable development. Our ongoing goal is to enhance the sense of accomplishment among our staff, generate returns for shareholders, and contribute value to the community. Moreover, we are committed to improving accessibility, happiness, and security for the public. By connecting beautiful cities, villages, and natural environments, our services empower individuals to live a better life and share a better future.

First-class Level

Our strategic objective is to attain a top-tier position. In the era of new strategies, we will persistently enhance the operational efficiency and social benefits of the Company. We will focus on improving decision-making and management efficiency, aiming to establish a first-class standard in management practices, capital utilization, scientific and technological innovation, service quality, and talent development. Simultaneously, we will make every endeavor to ensure that our level of efficiency, branding, modernization, and international presence becomes industry-leading.

Integrated Expressway Service Provider

In the new phase, our strategic objective is to concentrate on our core expressway business while moderately diversifying our investments and expanding our operations. We aim to transform and upgrade from a toll collection focused entity to a smart high-speed integrated service provider, incorporating the “road-vehicle-people-network” concept. While pursuing economic benefits, we actively fulfill our social responsibilities and strive to become a respected industry benchmark within society. Looking to the future, we will build consensus, forge ahead with determination, and jointly promote the higher-quality and more sustainable development of the Company.

ABOUT QILU EXPRESSWAY

OUR DEVELOPMENT PRINCIPLES



Expressway as the foundation

Expressway operation has consistently served as the cornerstone of Qilu Expressway's primary business. In the new strategic phase, our focus must revolve around the emerging dynamics of expressway development as the central direction. Horizontally, we aim to expand with careful precision, cultivating new avenues for growth. Vertically, we will extend along the industrial chain in a measured manner, while prudently pursuing diversified business development.

Capital as a tool

Leveraging the capital platform function of our listing, we consider capital as an accelerator. We will facilitate the symbiotic relationship between industrial development and capital financing, fortifying our investment and financing capabilities to effectively drive capital operations.

Service as the priority

The essence of expressway operation lies in the quality of service. In the era of smart expressways, long-term, high-quality operations and management services are paramount. Our objective is to strike a harmonious balance between people, vehicles and roads, providing the public with sincere customer service. We aim to build an emotional exchange platform with our customers, fostering warm and genuine interactions to enhance the relationship between the Company and society. With utmost dedication, we will strive to establish Qilu Expressway as a renowned brand synonymous with top-notch service quality.

ABOUT QILU EXPRESSWAY

OUR ESG STRATEGY

Qilu Expressway striving for smart landscape in the future

Smartness

- Smart expressways
- Smart investment
- Smart talents

Landscape

- Travelling by expressways
- Overcoming difficulties and moving forward
- Excellent quality

Future

- Ecological future in green
- Investment future in the world
- Creative future in the evolution of intelligence

Qilu Expressway is committed to building a seamless, secure, comfortable and harmonious experience on smart expressways, continuously promoting sustainable development and high-quality progress. We uphold the green principles of freshness, environmental protection, vitality and safety, and strive to foster a new pattern of harmonious development among enterprises, individuals and nature. Furthermore, Qilu Expressway represents vitality and warmth, integrating into the development of the times with an open and inclusive mindset and a spirit of innovation.

We prioritize sustainable development and adopt ESG strategies. We systematically promote the integration of ESG concepts and practices across key areas, including the environment, talent, community and operations, embed the concept of sustainable development deeply within our business processes, actively respond to the concerns of all parties, and strive to create long-term value for both the industry and society.

CHAIRMAN'S STATEMENT

In 2025, we started with our original aspirations and achieved success with our craftsmanship. We actively participated in building a strong country and a strong province of transportation in the new era and constructing a pilot zone for green, low-carbon and high-quality development in Shandong. We made great efforts around strategic transformation and upgrading, accelerated development, optimized our business layout and development path comprehensively, and accelerated our progress towards the high-quality development goals of "better disposition, higher face value and greater vitality". We strive to build a "four new" state-owned enterprise with "new development methods, new corporate governance, new operating mechanism and new layout structure", denoting the solid steps of Qilu Expressway in deepening transformation and upgrading, and demonstrating Qilu Expressway's dedication to undertake the mission of creating value for society, shareholders and employees.

This year, based on the strategy deepening period of the "14th Five-Year Plan", the Company continued to consolidate the foundation of corporate governance and further promoted the improvement and optimization of the governance system. We improved an all-round governance system covering ESG governance structure and internal control process, and continued to promote the scientific and institutionalized organizational framework. By strengthening system construction, optimizing internal procedures and improving risk prevention and control system, the Company has effectively supported the standardized operation of the ESG management system, laying a solid foundation for promoting the Company to achieve steady growth on the track of compliant, stable and high-quality development. This year, we systematically improved our governance capabilities to build a solid institutional barrier for the Company's high-quality transformation and development.

This year, we focused on the new operation pattern of Jihe Expressway after the reconstruction and expansion of the whole line. By optimizing the road network structure, strengthening lean management and deepening intelligent operation, we effectively coped with the increasing traffic flow and complex operation challenges. We adhered to the operation standard of "Smooth Traffic Flow and High Quality", improved the three-level dispatching and command system, and establishes a grid management mechanism of "Road Chiefs" to ensure safe, smooth and efficient operation of the road network. At the same time, the Company used technological innovation to drive service upgrades, accelerated the construction of digital transformation platforms, and use cutting-edge technologies such as AI smart audit, drone inspection and big data analysis to improve road smoothness capabilities and emergency response speed, aiming to create a convenient and comfortable travel experience for consumers and provide a solid foundation for regional economic and social development.

CHAIRMAN'S STATEMENT

This year, we actively responded to the national call for ecological civilization construction and green and low-carbon transformation, and systematically built an environmental management system covering all operations and construction scenarios. We steadily promoted energy conservation and emission reduction, and continuously reduced resource consumption and emissions during operations through measures such as refined energy management, clean energy replacement and green office promotion. In the reconstruction and expansion project of Jihe Expressway, photovoltaic facilities were installed on a large scale in scenes such as the Liangshan East Toll Station, and ground source heat pump technology was adopted, which constructed an energy supply system mainly based on clean electricity. Meanwhile, committing to achieving the harmonious coexistence of business operations and the ecological environment and practicing the mission of green development with practical actions, we strengthened climate change risk management, built climate-resilient infrastructure and promoted ecological protection and restoration.

This year, we continued to improve the responsibility system covering employee employment, development, rights protection, health and safety, and established a fair and transparent remuneration performance mechanism and smooth promotion channels to create a good career development environment for employees. The Company attaches great importance to the occupational health and safety of employees, achieved zero accidents target in respect of work safety, and practically protected the rights and interests of every employee. Moreover, we actively fulfilled our responsibility as a state-owned enterprise, promoted suppliers' compliance with environmental protection regulations and social responsibility standards, and worked with industry partners to build a responsible value chain. The Company comprehensively conducted volunteer services, blood donation, community building and other activities to transform operational advantages into social value, promoted the in-depth integration of transportation resources with regional development, realized a positive interaction between corporate growth and social progress and joined hands with all parties to create a better future.

In 2026, we started with confidence and achieved success with determination. In the first year of the implementation of the "15th Five-Year Plan", we will stay in the course of in-depth promotion of industrial transformation and upgrading and the deepening of incremental rise, seize the day and seize the hour, overcome all obstacles, strive forward with vigor and determination to fulfill the mission to build the "Domestic-level Expressway Integrated Service Provider" with core competitiveness, continue to strive for higher goals, embrace innovation, integrate with digital technology and move towards green development, so as to write a new chapter of high-quality development with higher standards, better quality and efficiency and more sustainability.

REINFORCING FOUNDATION AND DREDGING SOURCE, PLANNING FOR A NEW CHAPTER

As an important cornerstone of the Company's stable operation and sustainable development, governance plays a key role in realizing long-term value creation. The Company attaches great importance to consolidating the foundation of corporate governance, and continues to promote the improvement and optimization of the governance system, covering system establishment and organizational structure optimization, refined management of internal processes and operation mechanisms, and systematic strengthening of risk prevention and internal control systems and so on. By continuously consolidating and improving the above-mentioned governance foundation, the Company effectively supports the operation of the ESG management system and promotes the continuous progress of the Company on the road of compliant, stable and high-quality development.

This chapter responds to ESG related material issues:

- **ESG governance**
- **Corporate governance**
- **Compliance and risk management**
- **Business ethics and anti-corruption**
- **Communication with stakeholders**

This chapter responds to the United Nation's Sustainable Development Goals (SDGs):





I. REINFORCING FOUNDATION AND DREDGING SOURCE, PLANNING FOR A NEW CHAPTER

1. ESG GOVERNANCE

We attach great importance to the important role of environmental, social and governance (ESG) concepts in corporate governance and operation management, and continue to integrate ESG principles into strategy formulation, business operations and decision-making processes. The Company pays attention to the impact of its business activities on the environment and society, actively responds to the concerns of stakeholders, and continuously improves the ESG governance system to promote the long-term, stable and sustainable development of the Company.

1.1 Board Statement

The Company recognizes the Board's core leading role in promoting sustainable development and implementing the ESG philosophy, and systematically integrates the ESG concepts into the corporate governance structure and daily operation and management. Being the decision-making body of the Company, the Board is responsible for reviewing and formulating ESG-related strategies and guidelines, clarifying medium and long-term development goals, and taking ultimate responsibility for the completeness and accuracy of ESG information disclosure. Meanwhile, the Board continues to supervise the effectiveness of the senior management in ESG strategy implementation, target realization and performance management, and continuously improves and strengthens the corporate governance system.

The Company attaches great importance to the risk management related to sustainable development, as well as the identification and response to key ESG issues. During the Year, the Company systematically conducted materiality assessment in accordance with the ESG Reporting Code and supervision requirements. The Board paid close attention to the dynamic update of the ESG issue database, conducted scientific analysis and prioritization of the identified relevant issues, and carefully reviewed the materiality assessment results. Under the guidance and supervision of the Board, the senior management is responsible for the effective integration of ESG strategy requirements into specific business activities, so as to promote the synergetic implementation of the Company's strategic objectives and business objectives.

In terms of environmental management, the Company regards environmental protection and addressing climate change as the key direction of sustainable development, focusing on topics such as environmental protection practices, green construction, pollutant emission control, energy efficiency improvement, and climate change risk and opportunity management. During the Year, the Board conducted a comprehensive review of the Company's ESG management policies, management measures, key issues and the staged completion of environmental objectives. In the future, the Company will continue to track the implementation progress of relevant targets, and timely improve and optimize management measures according to the internal and external environmental changes, so as to steadily improve the environmental management performance and promote the Company to achieve a higher level of sustainable development.

I. REINFORCING FOUNDATION AND DREDGING SOURCE, PLANNING FOR A NEW CHAPTER

1.2 ESG Management Structure

In order to improve the effectiveness of ESG management, the Company has established a three-tier governance structure, which consists of the Board of Directors, the ESG Leadership Team and Office of the ESG Leadership Team, to form a "Decision-making – Overall management – Execution" synergy mechanism. It has also formulated the *Corporate Sustainable Development Policy* 《企業可持續發展政策》, covering all business and services and clarifying relevant measures and supervision mechanism.

ESG Management Structure of Qilu Expressway

Decision-making level: Board of Directors

- Responsible for formulating and supervising the Company's long-term ESG strategic direction and development goals, integrating ESG into business governance, ensuring strategy implementation, compliance disclosure and risk management and control, and continuously optimizing the Company's sustainable development strategy.

Management level: ESG Leadership Team

- Responsible for coordinating the ESG working mechanism of the Company, implementing the decisions of the Board, formulating ESG plans and management systems, tracking the progress of objectives, organizing report preparation and information disclosure, and being responsible for ESG risk assessment and deliberation on major issues.

Execution level: Office of the ESG Leadership Team

- Responsible for promoting the implementation of daily ESG work, coordinating internal departments to carry out ESG-related tasks, following up the progress of ratings and targets, collecting and verifying ESG data, preparing reports and organizing information disclosure, and reporting the progress to the management regularly.

I. REINFORCING FOUNDATION AND DREDGING SOURCE, PLANNING FOR A NEW CHAPTER

1.3 Materiality Assessment

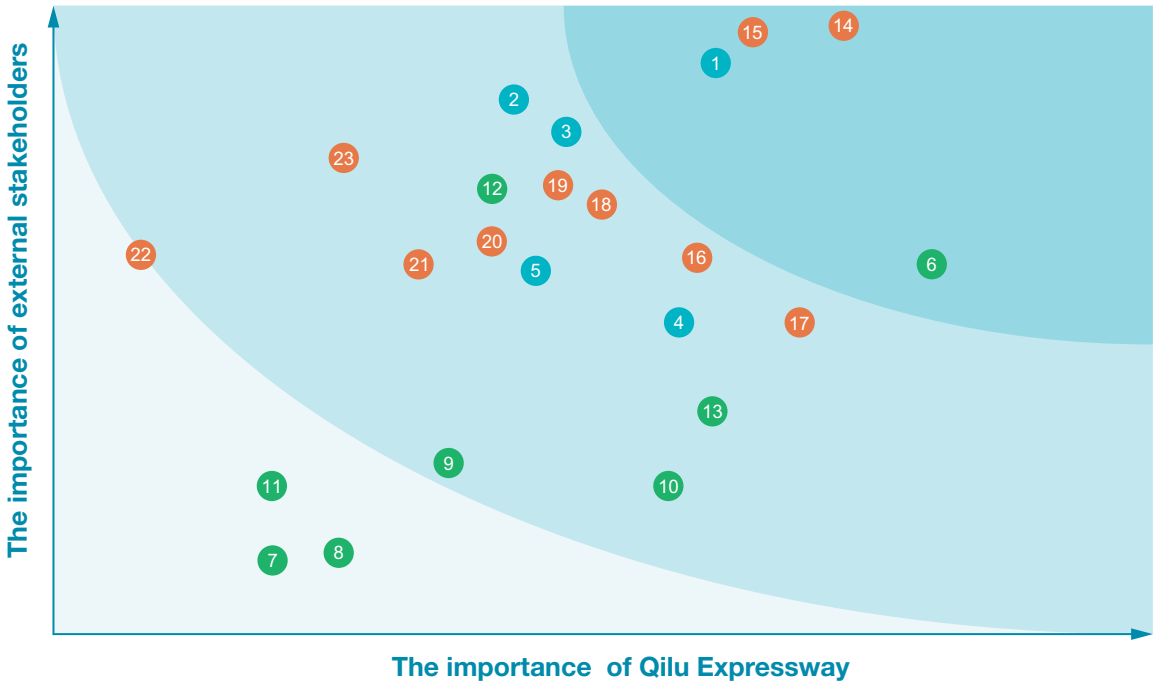
The Company has established an analysis workflow of materiality assessment with reference to the Guide issued by the Stock Exchange, the Sustainability Accounting Standards Board ("SASB") and peer issues. The Company conducted external impact assessments on the 23 identified issues covering ESG concern from two perspectives, namely impact materiality and financial materiality, and identified their risks and opportunities to the Company's operation and development.

Workflow of Materiality Assessment

Collection and identification of ESG issues	We consider various factors to identify ESG issues in accordance with the requirements of the Guide, including compliance with national policies, analyzing industry trends in the expressway sector, conducting peer comparisons, aligning with the Company's future development plans, in tandem with prioritizing the concerns of stakeholders.
Collection of feedback from stakeholders	Internal and external stakeholders were invited to participate in an questionnaire survey to collect feedback on potential sustainability concerns.
Materiality assessment and prioritization of material issues	Based on the above analysis and feedback results, internal materiality assessment is conducted on identified issues and ranked them by priorities.
Confirmation of assessment results	Senior management and ESG Leadership Team of the Company review and confirm the assessment results.

I. REINFORCING FOUNDATION AND DREDGING SOURCE, PLANNING FOR A NEW CHAPTER

2025 Major ESG Issue Matrix of Qilu Expressway



GOVERNANCE

1. Corporate governance
2. Business ethics
3. Stakeholder communication
4. Due diligence
5. Compliance and risk control

ENVIRONMENT

6. Addressing climate change
7. Water resource utilization
8. Waste treatment
9. Biodiversity and land use
10. Energy utilization
11. Pollutant emissions
12. Circular economy
13. Environmental compliance management

SOCIETY

14. Highway quality and operational safety
15. Smart highway construction
16. Employee equality and diversity
17. Employee rights and protection
18. Employee training and development
19. Information security and privacy protection
20. Equal treatment of SMEs
21. Supply chain management
22. Rural revitalization
23. Community development

I. REINFORCING FOUNDATION AND DREDGING SOURCE, PLANNING FOR A NEW CHAPTER

1.4 Communication with Stakeholders

The Company is committed to maintaining close communication with its stakeholders. Through the establishment of a regular communication mechanism, the Company actively listens to and responds to the expectations and needs of various stakeholders in a timely manner to ensure that their interests are fully protected. Various means, including but not limited to emails, face-to-face communication, telephone communication, conference discussions, questionnaires, professional trainings, stakeholder meetings and information disclosure, have been adopted to continuously improve the transparency and effectiveness of ESG management.

Communication with Stakeholders of Qilu Expressway

Stakeholders	Communication channels	Frequency of communication during the Year	Concerns on ESG issues
Shareholders/ Investors	Fulfilling obligations for disclosing statutory information	Multiple times per year	ESG governance Corporate governance Compliance and risk management Business ethics and anti-corruption Communication with stakeholders
	Organizing activities to exchange performance updates	Multiple times per year	
	Regularly publishing reports and results announcements	Multiple times per year	
	Responding to enquiries promptly through investor relations emails and other communications	Multiple times per year	
Customers	Making a commitment to service quality	Long term	Road quality and safety Ensure smooth traffic flow Customer service and communication
	Establishing a hotline for communication	Multiple times per year	
	Conducting surveys to measure customer satisfaction	Multiple times per year	
	Providing caring interactions such as relieving summer heat and providing warmth in winter	Multiple times per year	

I. REINFORCING FOUNDATION AND DREDGING SOURCE, PLANNING FOR A NEW CHAPTER

Stakeholders	Communication channels	Frequency of communication during the Year	Concerns on ESG issues
Employees	Establishing democratic committees at all levels	The Company established a labor union	Employee recruitment Employee development and training Employee rights Health and safety
	Convening meetings with employee representatives for reporting	Once per year	
	Facilitating various employee training programs and activities	Multiple times per year	
	Setting up a complaint and feedback mailbox	Long term	
Partners	Conducting bidding meetings	Multiple times per year	Supply chain management Data security and privacy protection
	Sharing management experience and technical standards	Multiple times per year	
	Engaging in negotiations and daily meetings for cooperation	Multiple times per year	
	Providing training sessions for partners	Multiple times per year	
	Holding daily meetings for business exchange	Multiple times per year	
Community	Initiating dialogue with local communities	Multiple times per year	Philanthropy and community building
	Conducting visits and exchanges with the community	Multiple times per year	
	Carrying out social and environmental evaluations of projects	Multiple times per year	
	Promoting knowledge and dissemination and education	Multiple times per year	
	Improving the disclosure of information	Multiple times per year	

I. REINFORCING FOUNDATION AND DREDGING SOURCE, PLANNING FOR A NEW CHAPTER

Stakeholders	Communication channels	Frequency of communication during the Year	Concerns on ESG issues
Government and regulatory authorities	Sharing corporate experience	Multiple times per year	Technological innovation and development
	Paying attention to social feedback	Multiple times per year	
	Establishing strategic partnerships with government authorities	Multiple times per year	
	Participating in symposiums and forums	Multiple times per year	
Non-government organizations	Sharing corporate experience	Multiple times per year	Environmental management Water resources management Energy management Waste management Tackling climate change Biodiversity conservation Noise management
	Engaging in relevant activities	Multiple times per year	
	Promoting business communication	Multiple times per year	

2. CLEARLY DEFINED RESPONSIBILITIES AND COLLABORATIVE EFFORTS LEADING TO IMPROVEMENT

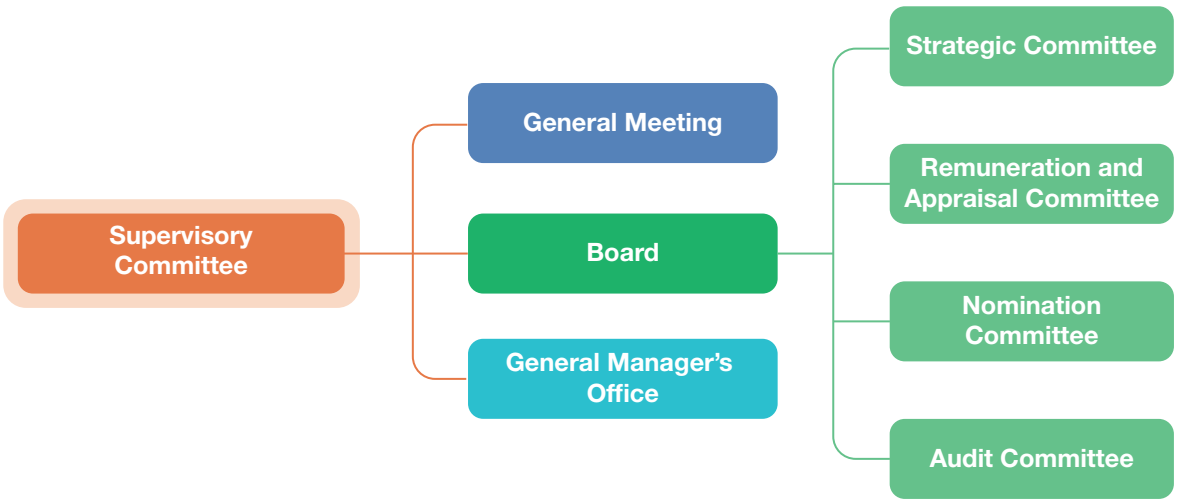
Qilu Expressway has established a sound and efficient governance system. In accordance with the Articles of Association and relevant internal management systems, we clearly define the division of responsibilities of general meetings, the Board of Directors, the management and various functional departments, and improve the governance policies and working mechanisms to ensure the clarity and effectiveness of the governance structure. The Company continues to strengthen the internal coordination mechanism, promote the building of integrity and compliance culture, and implements continuous supervision and improvement of operation and management activities. The Company adheres to the transparency and compliance of information disclosure, and strengthens internal control and risk management arrangements to support the long-term stable and sustainable development of the enterprise.

I. REINFORCING FOUNDATION AND DREDGING SOURCE, PLANNING FOR A NEW CHAPTER

2.1 Governance Framework as the Foundation

Qilu Expressway strictly adheres to the *Company Law* (《公司法》), the *Securities Law* (《證券法》), the *Code of Corporate Governance for Listed Companies* (《上市公司治理準則》), and other applicable laws, regulations, and normative documents. Through the Articles of Association, we rigorously standardize corporate frameworks, uphold structured governance and refine our corporate governance framework. This ensures the Company's steady progress.

In terms of corporate governance, during the Reporting Period, Qilu Expressway insisted that general meetings, the board of directors, the management and the board of supervisors perform their duties in accordance with the law to ensure clear powers and responsibilities, and to form an effective synergy and balance mechanism. In order to further optimize the Company's corporate governance procedures, the Company cancelled the Supervisory Committee in December 2025 with reference to the relevant requirements of the *Company Law* and the *Guide to the Articles of Association of Listed Companies*, and made relevant amendments to its Articles of Association, the *Rules of Procedure for Shareholders' Meetings* and the *Rules of Procedures for the Board of Directors*. In 2025, the Company held one annual general meeting and four extraordinary general meetings in total, at which a number of important resolutions have been considered and approved.



I. REINFORCING FOUNDATION AND DREDGING SOURCE, PLANNING FOR A NEW CHAPTER

2.2 Compliance Management for a Sustainable Future

Compliance Management

The Company continuously improves its compliance management system to ensure sound regulations and effective implementation. Meanwhile, taking into account the business characteristics and risk situations of different subsidiaries, we promote the construction of the compliance management system in a tiered and categorized manner, and strengthen supervision and evaluation to ensure the legality and compliance of corporate operations.

During the year, the Company vigorously promoted the construction of its compliance system:

- In accordance with the Group's unified deployment regarding the self-evaluation of the effectiveness of compliance management, by strictly adhering to the requirements and evaluation standards outlined in the notice, the Company led all departments and subsidiaries to systematically review the problem list, break rectification tasks, and actively promote the implementation of improvement measures.
- Improved the compliance system, implemented the *Interim Management Measures for the Compliance Review of Major Business Decisions,* and launched the compliance review process for major decisions in the intelligent legal affairs system.
- Promoted company-wide learning of laws and regulations, with a 98% participation rate on the High-Speed E-Learning Platform and 100% coverage of legal training programs.
- Conducted activities such as the Civil Code Publicity Month, Constitution Publicity Month and the collection of corporate culture compliance concepts, achieving full coverage and good publicity results.
- Organized all departments and subsidiaries to conduct compliance self-inspections and rectifications, implemented the breakdown of problem lists and improvement measures, and strengthened the mechanism of internal supervision and continuous improvement.

I. REINFORCING FOUNDATION AND DREDGING SOURCE, PLANNING FOR A NEW CHAPTER

Case **Qilu Expressway Held A Special Lecture on the Civil Code**

On 22 May, Qilu Expressway organized a special lecture on the Civil Code, focusing on further strengthening the publicity and education of the Civil Code, improving employees' legal awareness and risk prevention ability, and actively promoting the construction of corporate legal system. The lecture was launched with the theme of "Civil Code Around You (您身邊的民法典)", featured a lawyer as the main speaker and employed a three-dimensional teaching model of "legal provision explanation + case analysis (法條闡釋+案例剖析)". It closely focused on high-frequency legal scenarios and key points in employees' daily lives, effectively expanding the breadth and depth of legal education and enabling employees to gain a more comprehensive and profound understanding of the Civil Code. In the next step, Qilu Expressway shall promote the normalization of study and promotion of the Civil Code, integrate the concept of rule of law into the whole process of corporate governance, and strive to become a modern state-owned enterprise with "sound governance, compliant operation, standardized management, law-abiding and integrity (治理完善、經營合規、管理規範、守法誠信) ", and write a new chapter of high-quality corporate development on the track of the rule of law.



Integrity Warning On-Site Teaching Activity

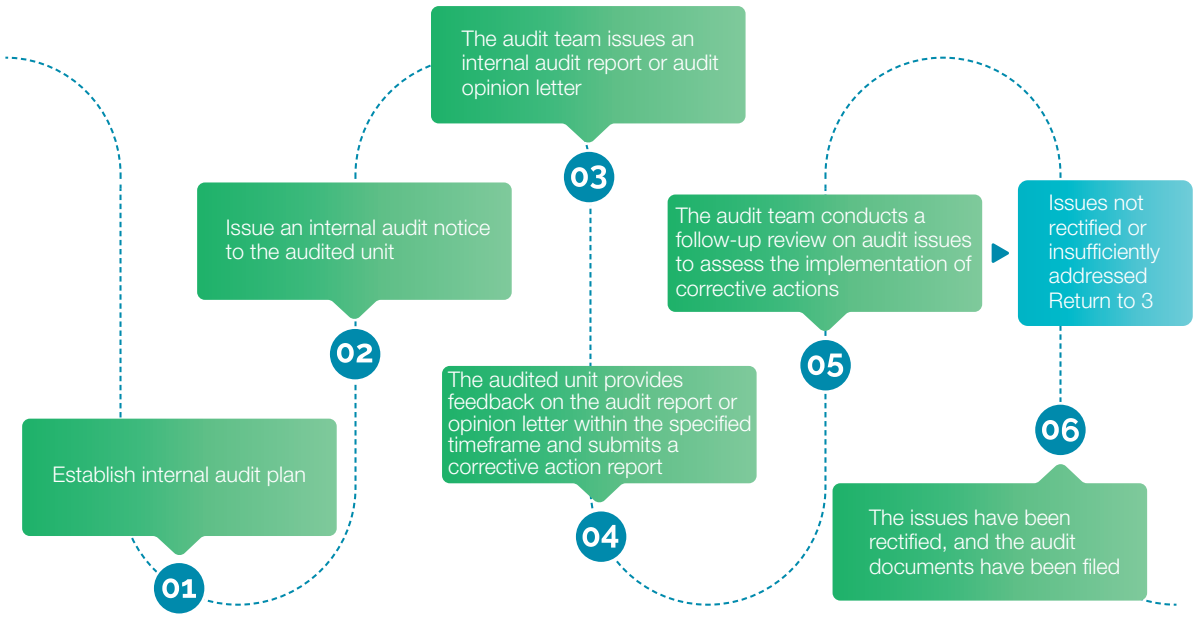
I. REINFORCING FOUNDATION AND DREDGING SOURCE, PLANNING FOR A NEW CHAPTER

Internal Control

Qilu Expressway has established a systematic internal control system in accordance with the *Guiding Principles of the Internal Control Manual* 《内部控制手冊》, covering multiple aspects such as corporate governance, operation management, financial management, human resources, information communication and internal supervision, forming a three-tier management system of "Decision-making – Supervision – Implementation".

The Company employs external intermediaries to conduct annual performance audit and other work. In the year of 2025, Qilu Expressway continued to supervise and inspect the implementation of the internal control system of the Company through a combination of daily supervision and project supervision. In addition, the Company conducted 10 audits, involving performance audits, engineering project audits, internal control audits and special audits. No material or significant internal control deficiencies that need to be brought to the attention of the Company were identified during the course of internal control supervision and assessment during the year.

The Internal Control Procedures of Qilu Expressway



I. REINFORCING FOUNDATION AND DREDGING SOURCE, PLANNING FOR A NEW CHAPTER

Risk Management

The Company adhered to legal compliance as the core principle of risk management, improved the risk management process, and ensured the stable operation of the Company. Relying on the *Risk Management Measures* (《風險管理辦法》), and following the management philosophy of "coordinated promotion, classified management, independent implementation, and integrated operation (統籌推進、分類管理、自主實施、整合運行)", the Company has comprehensively established a classification system with 180 key risk points covering five major areas: strategy, operation, finance, legal and market, which provided a complete framework for the Company's risk management.

Qilu Expressway actively strengthened risk identification, monitoring, assessment and response, and ensured that all businesses were within control through the whole process of risk management. In 2025, the Company promoted legal training and law popularization publicity activities, and continuously improved the legal compliance awareness and risk prevention and control capabilities of all employees of the Company by conducting five legal trainings, Civil Code Publicity Month and two Constitutional Publicity Month activities. Through the legal personnel vocational skills competition, the professional ability and overall quality of the legal team were improved, and the employees' ability to identify and respond to risks in a complex environment was enhanced.

Information Disclosure

Qilu Expressway is committed to enhancing corporate transparency by publicly disclosing its ESG performance and related policies. We refer to relevant regulations such as the *Central Enterprises Compliance Management Guidelines (Trial)* (《中央企業合規管理指引(試行)》), the *Listing Company Information Disclosure Management Measures* (《上市公司信息披露管理辦法》), and the *ESG Indicator System Work Guidelines for Shandong Provincial State-owned Listed Companies* (《山東省屬控股上市公司ESG指標體系工作指引》), to ensure our information disclosure is legal and compliant. We undertake that the information provided is accurate, complete and comprehensive, ensuring timely and fair disclosure while avoiding any false statements, misleading information, or omissions of significant details.

In 2025, the Company issued a total of 75 announcements.

I. REINFORCING FOUNDATION AND DREDGING SOURCE, PLANNING FOR A NEW CHAPTER

3. INTEGRITY, LEGAL COMPLIANCE AND NEW ATMOSPHERE CREATING

Integrity and Anti-Corruption Management

Qilu Expressway strictly abides by the *Anti-Monopoly Law of the People's Republic of China* (《中華人民共和國反壟斷法》), the *Anti-Unfair Competition Law of the People's Republic of China* (《中華人民共和國反不正當競爭法》), the *Anti-Money Laundering Law of the People's Republic of China* (《中華人民共和國反洗錢法》) and other laws and regulations, and actively implements the relevant internal systems, such as the *Discipline Inspection Suggestion System of Qilu Expressway Company Limited* (《齊魯高速公路股份有限公司紀律檢查建議制度》), the *Committee Integrity Dialogue System of Qilu Expressway Company Limited Committee* (《中共齊魯高速公路股份有限公司委員會廉政談話制度》), and continues to enhance the effectiveness of supervision and enforcement to lay the foundation of integrity and compliant operation.

The Company has established and improved the construction of a "Big Supervisor" system to clarify the supervision principle of "who is in charge, who is responsible", where each member unit performs its daily supervision duties within their respective responsibilities, authorities and functional areas. The focus is on the "critical few," important areas, key links, and the implementation of major decision-making matters.

Integrity Supervision Structure of Qilu Expressway

Coordination Group for Construction of Party Conduct and Integrity and Anti-corruption	Coordinating supervision and inspection, identifying and dealing with emerging and ongoing issues in a timely manner, putting forward refinement measures and system improvement suggestions, and promoting the effective connection between the Discipline Committee and the departments responsible for business management, so as to form a synergy of supervision and continuously strengthen the construction of an integrity culture.
The Discipline Inspection Committee Office	Sorting out the Company's power matters, and coordinating and promoting the prevention and control of Party conduct and clean government risks.

In 2025, the Company concluded zero corruption-related litigation cases involving the Company or its employees. No employees were dismissed or disciplined for corruption, and no contracts with business partners were terminated due to corruption.

I. REINFORCING FOUNDATION AND DREDGING SOURCE, PLANNING FOR A NEW CHAPTER

Case **Expressway Convenes a Meeting of the Supervision Work Leadership and the Coordination Group for Construction of Party Conduct and Integrity and Anti-corruption**

On 5 November 2025, Qilu Expressway convened a Meeting of the Supervision Work Leadership and the Coordination Group for Construction of Party Conduct and Integrity and Anti-corruption. Wei Yong, the Party Committee Secretary and Chairman of the Company, attended the meeting and delivered a speech. The meeting made research and arrangements on improving the supervision system, consolidating the responsibility for construction of Party conduct and integrity, strengthening the coordination of anti-corruption work, further clarifying the focus of supervision and division of responsibilities, and promoting the in-depth integration of supervision and corporate governance, so as to provide strong support for creating a clean and upright development environment and ensuring the high-quality development of the Company.



Meeting of the Supervision Work Leadership and the Coordination Group for Construction of Party Conduct and Integrity and Anti-corruption

I. REINFORCING FOUNDATION AND DREDGING SOURCE, PLANNING FOR A NEW CHAPTER

Anti-Corruption Trainings

To enhance the compliance awareness of all employees, we have implemented a regular compliance training program, with a particular focus on strengthening training in key risk areas. During the Year, we have specifically launched specialized training sessions on integrity education and anti-corruption, aimed at increasing employees' understanding of the importance of compliance through these training activities. In 2025, 15 directors participated in anti-corruption training, receiving a total of 15 hours of anti-corruption training, and 468 employees participated in anti-corruption training, receiving a total of 25 hours of anti-corruption training.

Case **Qilu Expressway Conducts Integrity Warning On-Site Teaching**

On 18 June 2025, the Disciplinary Committee of Qilu Expressway organized cadres and employees to carry out integrity warning education activities in Jinan Prison. In the warning education base of Jinan Prison, cadres and employees can experience the serious consequences of violating disciplines and laws directly by visiting the scenes of inmates' lives and watching warning education videos. This warning and education activity helped employees to further establish the concept of legality and integrity, enhance risk prevention and bottom-line thinking, and provided support for the enterprise to build a clean business environment.



Integrity Warning On-Site Teaching Activity

I. REINFORCING FOUNDATION AND DREDGING SOURCE, PLANNING FOR A NEW CHAPTER

Whistleblowing Procedures

The Company strictly abides by the *Working Rules for the Supervision and Disciplinary Enforcement of the Discipline Inspection Authorities of the Communist Party of China* (《中國共產黨紀律檢查機關監督執紀工作規則》), the *Provisions on the Supervision and Law Enforcement of the Supervision Authorities* (《監察機關監督執法工作規定》), the *Measures for the Management and Addressing of Issues of the Discipline Inspection Committee and the Supervision Committee of Shandong Province (Trial)* (《山東省紀委監委機關問題線索管理處置工作辦法(試行)》) and other relevant regulations. In accordance with these rules, the Company has developed the *Rules for Whistleblowing to Govern the Management and Addressing of Issues within the Discipline Inspection Committee and the Supervision Committee Office (Amended)* (《紀委、監察專員辦公室問題線索管理處置細則(修訂)》) to standardize the management and addressing of issues within the Discipline Inspection Committee and the Supervision Committee Office of the Company. Additionally, the Company regularly organizes inspections and assessments of the operation of the reporting procedures of its subordinate departments, and continuously checks the effectiveness of the reporting mechanism to ensure smooth and unobstructed whistleblowing channels, and promptly investigate and properly address the reporting leads received.

To encourage employees to actively report internal corruption, abuse of power or misconduct, the Company has optimized its integrity reporting mechanism, established a integrity reporting bulletin board, which displays information such as the reporting hotline, QR code, email address, and mailing address for whistleblowing to make it easier for employees to raise concerns through convenient channels. At the same time, the Company is committed to strictly protecting the privacy of whistleblowers and ensuring that their identities remain confidential. Through these measures, the Company is committed to creating an open, transparent, fair and just working environment, fully mobilizing the enthusiasm of employees to participate in supervision, so as to unite efforts and jointly maintain a good corporate image of uprightness, integrity and standards.

I. REINFORCING FOUNDATION AND DREDGING SOURCE, PLANNING FOR A NEW CHAPTER

The Company's integrity reporting channels are as follows:

Reporting hotline: 0531－87207051

Email: qlgsgfjw@163.com

Address: Room 2311, Building A3-4, Hanyu Jingu, Longao North Road, High-tech Zone, Jinan

Postal Code: 250101

If any Party organization or Party member under the Company's Party Committee violates Party discipline or engage in neglect of duty, and if any management personnel within the Company's supervisory scope (including individuals at all levels who exercise public authority) are suspected of legal or disciplinary violations, the Company shall strictly handle all related reports and evidence, including but not limited to written complaints, phone records, visitor logs, online reports, and other written, digital, or audiovisual materials pertaining to job-related misconduct, in accordance with Party discipline and national laws, and shall investigate and pursue legal liability accordingly.

INTEGRATING AND ADVANCING, PAVING A SMOOTH PATH

The Company is committed to improving the operational capacity and service quality of road infrastructure with a view to establishing a high-quality road network. By continuously optimizing the road network structure, strengthening refined management and intelligent operation, we can effectively cope with the increasing traffic volume and complex operation challenges, ensure the safe, smooth and efficient operation of the road network, and provide customers with higher-standard tourism services, jointly create a safe, convenient and comfortable transportation environment, and provide solid transportation support for regional economic and social development.

This chapter responds to ESG related material issues:

- **Road quality and safety**
- **Ensure smooth traffic flow**
- **Technological innovation and development**
- **Customer service and communication**
- **Data security and privacy protection**

This chapter responds to the United Nation's Sustainable Development Goals (SDGs):





II. INTEGRATING AND ADVANCING, PAVING A SMOOTH PATH

1. SMOOTH TRAFFIC FLOW AND HIGH QUALITY, SAFEGUARDING VOYAGE

Qilu Expressway is committed to creating favorable operating conditions for expressways, clarifying the operation and dispatching mechanism, and improving the emergency handling process to ensure smooth traffic flow. The Company regularly inspects and maintains expressways, specifies the toll rates, provides quality customer services and creates a safe and comfortable travel environment for customers. We strive for excellence, continuously optimizing the travel experience on expressways, and striving to build a safe and efficient expressway network that satisfies the public.

1.1 Accessible Road Network for Smooth Mobility

Operation and Dispatch

The Company establishes three-tier management structure consisting of the Company's headquarters, operation management center, operation dispatching center or road management center to comprehensively manage the operation and dispatching of expressways according to the internal systems such as the *Measures for the Administration of the Protection of Highway Properties and Road Network Operation* (《高速公路路產保護及路網運行管理辦法》), the *Work Plan for Rapid Clearance of Expressway Emergencies* (《高速公路突發事件快速清障工作方案》), and the *Contingency Plan for Expressway Traffic Interruption Emergencies* (《高速公路交通阻斷突發事件應急預案》). Based on the principle of "risk-driven dispatching (調度跟著風險走)", we have established a "risk-oriented and dynamic response (風險導向、動態響應)" command and dispatch system, focusing on key scenarios such as traffic congestion risks, accident risks, job site risks and severe weather risks, so as to achieve the work goal of "where there is risk, there is dispatch (哪裡有風險，調度就在哪裡)". In the event of an emergency, we will initiate emergency response by deploying emergency rescue equipment promptly, coordinating emergency rescue personnel, monitoring on-site conditions in real time, and dynamically optimizing dispatching strategies based on the development of the situation to ensure efficient and orderly handling of emergencies.

II. INTEGRATING AND ADVANCING, PAVING A SMOOTH PATH

Operation and Dispatch Measures of "Road Clearance"

	Specific measures
Strengthening monitor of the road network	Utilizing video surveillance, electronic map, weather monitoring and other systems to carry out daily monitoring and major condition monitoring of the highway network traffic operation, infrastructure status, changes in the meteorological environment, etc. Real-time monitoring road network operations by strictly implementing the 24-hour emergency duty system and conducting uninterrupted patrols at key times.
Improving the road network command and dispatch mechanism	Dividing emergencies into four levels for command and dispatch according to the length of traffic jams and the estimated time to resume traffic; actively coordinating internal resources and coordinating with relevant departments to collect information on road condition incidents and quickly handle road condition incidents.
Carrying out road clearance work in a timely manner	Setting up road management and clearance points in accordance with the principle of "key protection, rational layout, and overall planning (重點保障、合理佈局、統籌規劃)", carrying out clearance operations in accordance with the principles of "traffic flow over debris clearance, urgent over routine, roadway over roadside (先通後清、先急後緩、先路上後路側)", and priority is given to ensuring smooth traffic flow under the premise of ensuring safety. For road sections equipped with road management center within 40-kilometer range, as well as urban ring expressways in major and medium-sized cities within the province, and key travel routes such as those directly connecting to airports and high-speed rail stations, the on-site arrival time shall not exceed 20 minutes. For other road sections, the on-site arrival time shall not exceed 30 minutes in principle. The clearance completion time for all road sections shall not exceed 30 minutes.

II. INTEGRATING AND ADVANCING, PAVING A SMOOTH PATH

Case **Accurately Escorting the Transportation of Giant Wind Power Equipment at the Zhangzhai North Toll Station**

On 1 August 2025, Zhangzhai North Toll Station proactively engaged with the Shenxian Three Gorges Energy Wind Power Project department to gain an in-depth understanding of the traffic demand of large-scale transportation vehicles. Upon understanding that the enterprise needed to transport a batch of giant wind power equipment with a width of 5.4 meters and a length of 98 meters, which required extremely strict traffic conditions, the toll station responded quickly by opening an exclusive "green channel" and immediately organized professional resources to assist the enterprise in conducting a detailed site survey. In order to ensure the safe passage of these "behemoth", Zhangzhai North Toll Station resolutely implemented targeted transformation on the relevant toll lanes according to the survey results to optimize the passage space. Under the close collaboration and precise guidance of the staff of the toll gate and the Three Gorges Wind Power Project staff, the vehicles passed through the dedicated lane slowly in a stable, orderly and safe manner, and completed their highway transit smoothly.



Wind Power Equipment Passed Through Zhangzhai North Toll Station Smoothly

II. INTEGRATING AND ADVANCING, PAVING A SMOOTH PATH

Emergency Response Coordination

The Company has established a multi-party collaboration system, strengthened regional joint dispatch, and improved the ability to handle emergencies in a coordinated manner. We have established a multi-level inter-provincial collaboration mechanism to share information with operating units in neighboring provinces to prevent long-distance congestion of inter-provincial channels. For important emergencies, we coordinate relevant units to implement remote alerting, diversion, and near-end management, control and guidance, integrate regional rescue forces, and promote forward obstacle clearance and congestion flow regulation. At the same time, we cooperate with the meteorological department to keep abreast of the latest developments and give early warnings of severe weather; further deepen the joint inspection, on-duty and control mechanism with the traffic police and traffic law enforcement, and improve the joint handling system; strengthen cooperation with external units such as fire service departments and health departments to establish a rapid response mechanism, ensuring timely dispatch of resources for rescue and disposal in emergencies such as fires, hazardous chemical leaks and personal injuries, so as to effectively protect the lives, health and properties of the people.

Traffic Information Service

In order to comprehensively improve the efficiency of expressway information services, the Company is committed to building an intelligent management and control system covering the whole process of information collection, review, release, update, and cancellation. We integrate information from multiple departments such as maintenance, road management, toll booths, service areas, traffic police and meteorology to ensure comprehensive, objective and timely information collection. The information review process employs a dual-person verification model to guarantee accuracy and rigor. Information dissemination relies on diverse channels such as websites, Weibo, WeChat official accounts and smart travel mini-programs to advise the public on scientifically and rationally choosing travel routes and times. We precisely manage variable message signs, removing information within 5 minutes after a road condition event is resolved, thus guiding the public to travel in a safe and convenient manner.

In terms of external services and collaboration, we have deepened our strategic cooperation with leading internet travel platforms. Through data sharing, we can accurately push real-time road conditions, traffic incidents, construction controls, service area status and other information to the navigation platform to achieve an effective balance of road network traffic, thus guiding vehicles to avoid congested road sections and prevent road congestion for a long time.

Establishment of Working Mechanism among "Road Chiefs"

The Company has established a distinctive, institutionalized, systematic and normalized working mechanism of the "Road Chief ", and has established a three-tier responsibility system of "overall coordination of road chiefs, tracking and management of section chiefs, and concrete implementation of grid chiefs ". The responsibility areas of road chiefs, section chiefs and grid chiefs are scientifically delineated to ensure clear authority and responsibilities, seamless connection, and comprehensive coverage. We continue to standardize the grid-based management model, information aggregation, scheduling and disposal and other business contents, consolidate the responsibilities of each link, and strengthen the management and control capability of road operation.

II. INTEGRATING AND ADVANCING, PAVING A SMOOTH PATH

Three-tier Responsibility System of Road Chiefs

- **Road Chiefs**

The heads of each operations management center serve as road chiefs and the general person in charge of the road sections under their management, fully responsible for maintaining road conditions, ensuring road accessibility, overseeing electrical and mechanical operations and maintenance, managing safety of toll stations and exercising operational command and dispatch the overall coordination of their assigned road section. Road chiefs are required to coordinate internal departments to ensure efficient workflow; they are also responsible for external communication and coordination, establishing regular collaboration mechanisms with highway police, local police and neighboring operations management units to improve the overall operational efficiency and safety of the road network.

- **Section Chiefs**

Section chiefs are deputy directors (or directors, depending on the specific circumstances) within each operation and management center, who are fully accountable for identifying, dispatching, monitoring, and addressing incidents that impact road conditions or road safety and various emergencies within respective areas under their management. Its main responsibilities include reasonably dividing the road sections under their management into several grids, clarifying the jurisdiction and responsibilities of each grid chiefs, and ensuring that the boundaries between each grid are clear and seamless, and responsibilities do not overlap.

- **Grid Chiefs**

The grid chiefs are middle managements from each operation and management center, assume the role of effectively following up on and implementing inspections and the resolution of irregular events within respective areas under their management. Their main responsibilities include: supervising the execution of inspection tasks according to plan, systematically summarizing and analyzing problems discovered during inspections, and promptly reporting these problems to the relevant responsible departments to promote rectification and processing, forming a closed-loop processing mechanism of “inspection-feedback-rectification-improvement” to continuously improve the actual effectiveness of grid inspections.

II. INTEGRATING AND ADVANCING, PAVING A SMOOTH PATH

Management of High Traffic Flow

During the Reporting Period, the Company formulated the *Administrative Measures for the Operation Assurance of Expressways on Major Holidays* 《重大節假日高速公路運營保障管理辦法》, and set up a special working group with the main leader as the leader and the duty leader as the deputy leader to be responsible for the overall guidance and management of the expressway operation assurance during the holidays. The units include all departments and offices of the headquarters, all operation management centers and all relevant units. The working group defines the response system for handling heavy traffic flow, congestion, and safety incidents during holidays.

In the preparation stage, the Company held timely internal pre-holiday work deployment meetings, mobilized frontline employees for preparedness, and coordinated efforts to ensure system network debugging, communication and intercom systems, backup patrols, equipment deployment, information dissemination, and preparedness for applicable traffic control and guidance measures, as well as emergency plan drills. Simultaneously, we held joint meetings with local traffic police departments to optimize and improve the rapid handling and compensation mechanism and the emergency lane emergency activation mechanism, and pre-installed temporary traffic lights or signs to achieve collaborative management of key operational nodes.

During the operational phase, the Company adheres to the principles of "daily assessment, tailored solutions for each congestion point, and daily review (一日一研判、一堵點一方案、一日一復盤)" to actively manage holiday traffic flow. Employing the methodology of "holistic forecasting and phased analysis", we predict and assess overall road network characteristics, phased features, traffic volume changes, potential congestion points, and peak periods, and compile and release the *Holiday Travel Service Guide* 《節假日出行服務指南》 for the expressways under our management, and effectively carry out real-time monitoring and command and dispatch of the road network operation status. For high-risk sections prone to congestion and slow traffic, we establish standby points at safe forward positions, deploy additional clearing equipment and frontline support personnel. Based on tidal traffic flow characteristics, we coordinate with traffic police departments to implement time-staggered "contraflow lane operation", effectively alleviating congestion. During major holidays, each operation and management center assigns dedicated personnel for data statistics, conducting daily reviews and self-assessments of road network performance and typical incidents to continuously enhance holiday expressway dispatch and management capabilities. Through these measures, we effectively ensure road safety and traffic efficiency during key holidays such as New Year's Day, Spring Festival, Labour Day, and National Day.

II. INTEGRATING AND ADVANCING, PAVING A SMOOTH PATH

1.2 Roadway Refinement to Strengthen the Foundation

The Company strictly follows the industry standard the Technical Standards for Highway Maintenance (《公路養護技術標準》) and internal policies including the Expressway Maintenance and Management Measures (《高速公路養護管理辦法》) and the Expressway Bridge Maintenance and Management Measures (《高速公路橋樑養護管理辦法》). We have established a three-tier maintenance management structure comprising the operations division, operation and management centers, and maintenance sub-centers, clearly defining the maintenance scope covering subgrade, pavement, bridges, culverts, traffic facilities, and roadside greenery. During the year, the Company newly formulated regulations such as the Expressway Flood Season Patrol Management Measures (《高速公路汛期巡查管理辦法》), the Flood Season Maintenance Emergency Duty System (《汛期養護應急值班制度》), the Flood Season Hazard Investigation Action Plan (《汛期災害隱患排查行動方案》), and the Natural Disaster Emergency Response Plan (《自然災害突發事件應急處置預案》). Following the principles of "extensive coverage, prioritized focus, graded responsibility, and departmental coordination (廣泛覆蓋、突出重點、分級負責、部門聯動)", we have comprehensively strengthened efforts related to road hazard inspections, facility reinforcement, and disaster restoration during high-incidence natural disaster periods. We conduct thorough inspections of expressway subgrades, pavements, bridge and culvert structures, and ancillary facilities, with a key focus on high embankments, sections near water, cliffs, mined-out areas, excavated sections, mountain and hill area bridges over water, and segments with high traffic volume or high speed limits, in order to promptly grasp the usage status of highway infrastructure.

We have implemented the principle of "one post with two responsibilities", established a dual prevention system for maintenance and safety production, and earnestly organized sandbox simulation drills or actual combat drills in the operation areas to ensure that front-line maintenance management personnel and safety responsible persons of maintenance units are proficient in the layout procedures of the operation areas. In daily maintenance, large and medium-sized repair projects and special maintenance projects such as bridges and tunnels, we scientifically formulate and implement traffic organization and safety communication plans, attach importance to operation safety and emergency management under special weather conditions, and carry out regular inspections of road conditions, standardize the the work zones layout of work zones and we have equipped the work zones with the necessary safety facilities to fully guarantee the safety of operators, passers-by and vehicles and equipment.

II. INTEGRATING AND ADVANCING, PAVING A SMOOTH PATH

Road Inspection Mechanism

Inspection type	Specific measures
Maintenance inspection	• Routine inspection: carry out routine daily inspection on the expressway, including subgrade, pavement, bridge, culvert and facilities along the line, etc.; • Special inspections: In case of abnormal weather such as typhoon and heavy rainfall, the Company will carry out preventive inspection in advance, timely inspection during operation and targeted inspection after the event. The combination of "human inspection + technical inspection" is adopted to strengthen the inspection of key positions such as bridges and high side slopes with complex geological conditions. Special personnel shall be arranged to be on duty 24 hours a day during important periods of time.
Road inspection	• In order to protect highways, highway lands and ancillary facilities, the Group conducts patrols and inspections of highways and related areas under our management on a regular or irregular basis with a view to identifying, stopping, investigating and prosecuting management practices that occupy or damage highway properties and affect highway safety and smoothness.
Video Inspection	• The process employs a combination of automated identification and manual review. Image recognition and AI big data models are used to automatically identify, analyze, and issue early warnings for video content. Video surveillance facilities are maintained in good working order, with an online rate of no less than 95%. During the flood season, routine video patrols are conducted at least six times per day.

II. INTEGRATING AND ADVANCING, PAVING A SMOOTH PATH

Case **Jihe Operation and Management Centre held maintenance safety standard training**

In order to improve the safe and smooth operation of "eight lanes in both directions" of the Jinan-Heze Expressway, Jihe Operation and Management Centre conducted special training on expressway maintenance safety standards for all employees. The training focused on the *Implementation Standard for Safety of Expressway Maintenance Work* 《高速公路養護作業安全實施標準》, and was conducted in the mode of "theoretical study + sandbox exercise + comprehensive assessment". During the theoretical study stage, key links such as risk identification, safety zone control and emergency handling were systematically analyzed, and the operation specifications for various high-risk scenarios on the "eight lanes in both directions "expressway were strengthened through case analysis and comparison with regulations. In the sandbox exercise, the layout and control of the operation area under complex eight-lane road conditions was simulated, which scientifically improved the practical ability of the training participants.



Jihe Operation and Management Centre held maintenance safety standard training

II. INTEGRATING AND ADVANCING, PAVING A SMOOTH PATH

We have formulated the *Management Standards for Maintenance and Inspection* 《養護檢查管理標準》 and have formulated an annual overall work plan covering all levels at the beginning of each year to clarify the milestones in key areas such as quality, safety and environment, and quantitatively evaluate the maintenance performance of each operation management center. The assessment covers comprehensive management, quality management, safety management, capital management, and the completion of key work tasks. Regarding the content requiring on-site assessment, we randomly selected subgrade slopes, special pavement projects, bridges, and traffic safety facilities for inspection, to ensure the accuracy of assessment and effectively improve the quality and safety awareness and dedication of maintenance and management personnel and operators.

During the Reporting Period, the Company's PQI (technical condition of expressway pavement) of Deshang Expressway (Liaocheng – Fan County section) was 94.55, and the PQI of Shennan Expressway was 97.05, 100% of roads are in good condition, and 100% of highway bridges are classified as Class I or II. The Jinan-Heze Expressway was fully opened to traffic with eight lanes in both directions. The roadbed and the facilities along the line are in good overall condition and meet the road safety traffic conditions. During the Reporting Period, the Company has obtained the ISO 9001 quality management system certification.


CQM
China Quality Mark
确 认 证 书
齐鲁高速公路股份有限公司
根据方圆标志认证集团有限公司相关认证方案的规定，经年度监督审核确认贵单位获得的证书编号为00224Q20197R4M的认证证书继续有效。
Member of IQNET
2025年12月08日
方圆标志认证集团
China Quality Mark Certification Group

Qilu Expressway's Certificate for
ISO 9001 Quality Management System Certification

II. INTEGRATING AND ADVANCING, PAVING A SMOOTH PATH

1.3 Transparency and Fairness of Toll Collection

Management of Toll Collection Business

The Company consistently upholds fairness and impartiality as its core principles in toll collection and adheres to regulated and transparent operational procedures and service standards to provide all customers with consistent and high-quality toll service experience. We strictly follow our internal regulations, including the *Operation and Management Measures for Expressway Toll Collection* (《高速公路收費運營管理辦法》), the *Management Measures for Toll Collection Audit and Monitoring* (《收費稽核與監控管理辦法》) and the *Management Measures for Toll Collection Security* (《收費安全管理辦法》). We have established a two-tiered management structure to ensure the stable and compliant operation of our toll collection business, with operation and management centres responsible for the toll collection operation and management works within their respective operation areas and toll stations responsible for their respective specific toll collection and operation work.

We consider the fight against toll evasion and ensuring smooth traffic flow as crucial aspects of our toll collection management works. Our toll stations collect tolls from vehicles traveling on toll roads in accordance with laws. For vehicles that meet free passage requirements, tolls are exempted after inspection. For vehicles that are required by law to pay but refuse to pay, evade, or underpay tolls, outstanding tolls shall be recovered and collected. We manage vehicles that are prohibited from using expressways in accordance with laws and regulations to protect the legitimate rights and interests of drivers traveling normally. We conduct regular toll collection inspections on a monthly basis and perform internal and external inspections to inspect our toll collection sites and check our ticket and station area management comprehensively and promote the professionalization of our toll collection teams and the standardization of our services to ensure the full collection of tolls.

People-benefiting Measures

The Company adheres to the *Management Measures for Toll-exempt Vehicles Under the Toll Free Policy* (《政策性減免車輛管理辦法》) and has formulated the *Special Emergency Plan for Ensuring Free Passage of Small Passenger Vehicles During Major Holidays* (《重大節假日小型客車免費通行保障專項應急預案》) to strictly implement people-benefiting policies with regard to, among other things, green channels and free passage during holidays. We have strengthened our field manpower, optimized our process for handling special situations and continuously launched refined and convenient services to fully support the smooth operation of green channels and the fast vehicle passage during major holidays. During the Reporting Period, the Company strictly implemented national people-benefiting policies with regard to free passage of small passenger vehicles during holidays. During the Spring Festival, the Labour Day, the National Day and other major holidays, we provided toll exemptions to a total of 1,794,950 vehicles, with a total amount of toll exemption of RMB150,581,800. We followed national requirements regarding green channels and agricultural machinery working across regions to effectively ensure the convenient travel of the public and earnestly fulfilled our social responsibility.

II. INTEGRATING AND ADVANCING, PAVING A SMOOTH PATH

1.4 Service Optimisation

The Company actively fulfils its responsibilities as a public service enterprise and is committed to providing high-quality services to its customers. We have formulated rules and regulations, including the *Operation and Management Measures for Expressway Toll Collection* 《高速公路收費運營管理辦法》, the *Management Measures for the Operation and Maintenance of Expressways During Major Holidays* 《重大節假日高速公路運營保障管理辦法》 and the *Standards and Specifications for Civilized Services in Toll Collection Operations* 《收費運營文明服務標準規範》, to clarify our standardized process and normative wording to guide and improve the efficiency and attitude of our customer service personnel.

With an aim to "create better travel experience with quality service", we strive to achieve three core breakthroughs in "traffic volume, revenue and experience" and spare no efforts to create a smoother, safer, more comfortable and better expressway travel experience for the public by focusing on five key tasks, namely "deepening relationships with major customers, improving service quality and consolidating foundation, increasing revenue through audits and fighting against toll evasions, expressway + integration of transportation and tourism, and ensuring smooth road traffic".

Specific Implementation Measures for Customer Service

Customer service initiatives	Specific measures
Convenience service points	Set up a convenience service point in each toll station, carry out civilized toll collection service activities with local cultural characteristics and historical and regional features, and provide hot water, emergency medicines, route information, ETC troubleshooting and simple repair services 24 hours a day.
Deepening relationships with major customers: locking in traffic flow of high-frequency vehicles from Shandong enterprises	Leverage our "Expressway +" brand to cultivate services for major customers along the expressway, carry out in-depth market visits to accurately identify target enterprises with high added value, long transport distances, high efficiency and large scale in line with our efforts to "reduce cargo owners' costs, increase vehicle owners' income and attract trucks to the expressway", and analyse their transportation cost structure and traffic demands deeply by carrying out on-site research and investigations.

II. INTEGRATING AND ADVANCING, PAVING A SMOOTH PATH

Customer service initiatives	Specific measures
Improving service quality and consolidating foundation: creating a distinctive brand	Adhere to the principles of "superior service, strong concepts and effective implementation", adopt a systematic approach to coordinate our efforts in both directions to "bring in" and "go out", implement diverse measures innovatively and build new types of toll stations to solidly promote the effective implementation of the requirement for "turning toll stations into service stations".
Expressway + integration of culture and tourism: building a local matrix	Adhere to the new approach of "expressway + tourism", deeply integrate tourism resources with local characteristics, innovate and explore diversified cooperation methods and efficiently promote the aggregation of tourism elements and information interconnection to fully realize the integrated development of expressway and tourism with mutual empowerment.
"Improving service quality and establishing benchmark toll stations": a special campaign to improve service quality	Unify the visual appearance of service windows, create a "smiling service" brand label, standardize the entire toll collection process and reduce service error rate by more than 50%; establish three to five benchmark toll stations, cultivate more than nine "civilized service models" and develop replicable service experience.

II. INTEGRATING AND ADVANCING, PAVING A SMOOTH PATH

Case **Deshen Operation and Management Centre Signed an "Expressway + Tourism" Cooperation Agreement with Jingyanggang Wine Culture Tourism Scenic Area (景陽岡酒文化旅遊景區)**

On 26 August 2025, Liaocheng Deshen Operation and Management Centre and Jingyanggang Wine Culture Tourism Scenic Area carried out cooperative exchanges and jointly signed a cooperation agreement on the integrated development of "Expressway + Tourism". Pursuant to the agreement, drivers and passengers holding electronic toll receipts issued by toll stations at the road sections under the management of Liaocheng Deshen Operation and Management Centre are entitled to a 50% discount on the ticket price of the scenic area on the date of the toll receipts, with each receipt valid for two persons. Jingyanggang Wine Culture Tourism Scenic Area occupies an area of over 100 acres. By leveraging 5,000 years of Chinese wine culture as a vehicle, it fully showcases Yellow River culture, agricultural culture, Water Margin culture, Grand Canal culture and other outstanding traditional Chinese cultures. "Travel-weary on the Deshang route, Lingering amidst Jingyang's wine bouquet." Qilu Expressway warmly reminds: "Don't drink and drive, enjoy the scenery longer."



Deshen Operation and Management Centre signed an "Expressway + Tourism" cooperation agreement

II. INTEGRATING AND ADVANCING, PAVING A SMOOTH PATH

To ensure that employees have a deep understanding of the Company's need to improve customer service and practice the concept of high-quality service, we have conducted multiple customer service training sessions with a customer needs-oriented approach, covering areas such as corporate collaboration, civilized service and emergency drills.

Case **Shenxian Toll Station Becomes a Regional Logistics "Empowering Hub"**

In May 2025, Shenxian Toll Station established a "service task force" composed of key business personnel. They visited a number of logistics enterprises in the surrounding area and carried out in-depth business exchanges with enterprise managers and drivers to gain a detailed understanding of the needs, problems and suggestions of such enterprises. During the visits, the service task force also refined and summarized a three-pronged approach to address transportation bottlenecks, policy blind spots and service gaps. This approach directly tackled the pain points of business operations, accelerating the development of practical improvement plans from multiple aspects such as process optimization, policy support, supporting facilities improvement and attentive service. The aim was to comprehensively and powerfully enhance service value and empower efficiency, and provide logistics enterprises with higher-quality, more efficient and attentive services.



Shenxian Toll Station conducts surveys in logistics enterprises

II. INTEGRATING AND ADVANCING, PAVING A SMOOTH PATH

Case **Pingyin Toll Station Conducted Special Training on Civilized Service**

On 13 June 2025, in order to further standardize toll collection service procedures, improve the civilized service standard of toll collectors and establish a positive image, Pingyin Toll Station conducted a special training on civilized service in line with the special campaign plan of Jihe Operation and Management Centre to improve service quality and establish benchmark toll stations. The training content includes, among other things, the *Standards and Specifications for Civilized Service in Toll Stations* and a video presentation of the process of "5-2-1 Smiling Services", covering all frontline staff in the toll station. The training effectively enhanced the staff's ideological awareness and encouraged them to implement the training content in their daily works.



Special training on civilized service at Pingyin Toll Station

II. INTEGRATING AND ADVANCING, PAVING A SMOOTH PATH

Customer Satisfaction

Qilu Expressway always places high-quality customer service at the core of its daily operations and is committed to bringing customers a good travel experience and improving customer satisfaction.

The Company has set up a 24 – hour service hotline to accept customer complaints as follows:

Jihe Operation and Management Centre: 0531-87367878
Deshen Operation and Management Centre: 0635-7220111

When handling complaints, our staff will acquire the names, license plate numbers, receipt numbers, complaint contents, problems to be resolved and contact information of the complainants, review video recordings and duty logs carefully for verification, compile written materials and audio-visual materials for archiving, and create a *Complaint Handling Form for Toll Collection Service*. We will respond promptly within one business day from the date of acceptance, and complete complaint handling and provide feedback to customers within five business days. During the Reporting Period, the Company received a total of 289 complaints through its service hotline, which were 100% solved.

To improve service quality, the Company requires each operation and management centre to conduct satisfaction surveys among drivers and passengers annually through online questionnaires and other means. Each toll station shall conduct customer satisfaction surveys on a quarterly basis and promptly report the data to the operation and management centre. In 2025, the average satisfaction rate among drivers and passengers of Liaocheng Deshen Operation and Management Centre was 99.46% and the average satisfaction rate among drivers and passengers of Jihe Operation and Management Centre was 99.72%. The overall customer satisfaction rate of the Company remained above 99.6%, demonstrating the quality of our customer service.

II. INTEGRATING AND ADVANCING, PAVING A SMOOTH PATH

2. OPERATIONAL SAFETY

Qilu Expressway always places operational safety at the core of its operations and management and is committed to building a comprehensive and traceable safety assurance mechanism. The Company makes proactive efforts to improve its safety management system, strictly implements standardized operating procedures, strengthens operational monitoring and intelligent early warning mechanisms, and systematically enhances its operational safety. We emphasize prevention and process control, proactively identifying, assessing and addressing various risks, and dynamically optimizing prevention and control measures. Meanwhile, we continuously strengthen our emergency response capabilities to effectively ensure the safety of road infrastructure, drivers and passengers.

2.1 Solid Foundation for Operational Safety

The Company strictly adheres to laws and regulations, including the *Law of the People's Republic of China on Work Safety* (《中華人民共和國安全生產法》) and the *Law of the People's Republic of China on Road Traffic Safety* (《中華人民共和國道路交通安全法》). During the Reporting Period, the Company revised its internal rules and regulations, including the *Measures for the Administration of Work Safety* (《安全生產管理辦法》), the *Safety Production Management Examination Reward and Punishment Practices* (《安全生產管理考核獎懲辦法》and the *Comprehensive Emergency Plan for Work Safety Emergencies* (《安全生產突發事件綜合應急預案》, and formulated the *Safety Management Regulations for Electric Bicycles and Electric Vehicles* (《電動自行車和電動汽車安全管理規定》), with a view to improve the safety management system of the Company. Through refined management, we have enhanced our emergency response capabilities and effectively reduced the probability of occurrence of safety incidents.

Work Safety

To ensure the effective implementation of the Company's measures on work safety, the Company issued the "Key Points on Work Safety in 2025" to strengthen the performance of responsibilities by main persons in charge, continuously refined the work safety accountability list for all employees, and organized all employees to sign a work safety responsibility statement for the year of 2025.

During the Reporting Period, the Company refined its risk classification and control mechanism, carried out work safety risk identification campaigns and formulated a risk control list; continued to promote the examination and rectification of major hazards and the rectification of recurring hazards, analysed the causes of hazards and formulated rectification plans, and achieved dynamic zeroing of recurring hazards; dynamically updated its safety expert pool and organized experts to participate in the examination of major hazards, special rectification of work safety hazards during key periods and emergency response and handling. During the Reporting Period, branches of the Company at all levels organized a total of 1,401 work safety examinations and achieved a 100% rectification rate for safety hazards, zero work safety accidents and zero fatalities and serious injuries to employees.

II. INTEGRATING AND ADVANCING, PAVING A SMOOTH PATH

We continued to help employees improve their safety awareness by conducting experiential and scenario-based education campaigns and making appraisals in various safety inspections. Meanwhile, we encouraged employees to enhance their knowledge with regard to registered safety engineers and internal trainers and take a lead in the Company's trainings on safety theory. During the Reporting Period, we organized 222 work safety training sessions at various levels with 7,491 trainee person-times and a total of 874 credit hours. Our investment in work safety trainings amounted to RMB287,500 and the pass rate for safety education and training was 100%.

Case **Qilu Expressway Carried Out a Special Training Themed on the Work Safety Month for "Staying Alert for Hidden Hazards"**

On 19 June 2025, Qilu Expressway carried out a special training themed on the "Work Safety Month". Guided by the theme of "staying alert for hidden hazards" and by focusing on core contents such as theoretical knowledge learning, comprehension of hazard examination standards and implementation of accountability mechanisms, the training aimed to strengthen the safety management capabilities of the Company through document interpretation, case studies and practical operations and trainings. An appraisal session was set up for the training and all trainees passed a closed-book exam with an accuracy rate of over 90% on key examination points. The proficiency of trainees in identifying hidden hazards was improved significantly with a mastery rate of 95% on practical operation points such as the "Seven-Step Inspection Method for Fire Protection Facilities" and the "Three-Level Inspection Standards for Electrical Equipment".



Special training themed on the work safety month for "Staying Alert for Hidden Hazards"

II. INTEGRATING AND ADVANCING, PAVING A SMOOTH PATH

Fire Safety

Qilu Expressway has established a fire safety responsibility system, under which the principal person in charge of the Company is the first person responsible for fire safety, responsible for the overall coordination of the Company's fire safety work, including deploying and checking fire safety work, supervising the implementation of the hierarchical responsibility system, and summarizing and planning annual fire safety tasks; and the engineering management department is responsible for supervising and managing the fire safety work within the business scope of the Company and carrying out education and training, hidden hazard examination, facility maintenance, emergency drills and other work.

The Company conducts regular fire safety inspections within its jurisdiction at least once a month, designating key areas and setting up signs for fire safety and implementing strict management. We have formulated a checklist for safety inspection, clearly defining the items and contents of inspection. For fire hazards discovered during inspections, we provide feedback to the inspected units with a "Safety Hazard Rectification Notice". After the hazards discovered during inspections are rectified, we will make follow-up inspections to confirm that such rectifications are satisfactory and will keep a record of such follow-up inspections.

The Company manages its fire-fighting equipment strictly and deploys such equipment sufficiently in accordance with fire safety acceptance or filing documents. Such equipment is numbered and managed in a centralized manner, with comprehensive fire-fighting equipment management files kept to ensure adequate disaster mitigation and protection materials are available in case of a fire. Furthermore, the work areas under the management of the Company have set up fire separation distances and fire truck access routes required by fire safety departments, effectively reducing the risk of fire spread.

The Company continuously strengthens fire safety education and training to ensure all employees' behaviours are in compliance with the fire safety requirements of their posts. We have formulated a fire safety education and training plan, requiring new employees to accept pre-work fire safety training in order to improve their capabilities to handle fire incidents.

II. INTEGRATING AND ADVANCING, PAVING A SMOOTH PATH

Case **Qilu Expressway Conducted Trainings and Drills Under the Name of "Fire Safety Experts"**

On 20 November 2025, with a theme on "Fire Safety for All and Life First – Safe Use of Fire and Electricity", Qilu Expressway successfully held a number of competition-style trainings and drills under the name of "Fire Safety Experts" at its safety experience base. More than 50 representatives from affiliated units, headquarters departments and the R&E Project Office participated in an evacuation drill named "Race Against Time" and an initial firefighting drill named "Fire Hero" through a diversified approach combining "theoretical training, team competitions and drills". The training goals of "to be knowledgeable on fire safety and to be capable of handling fire safety incidents" were effectively achieved, strengthening the Company's firewall for work safety.



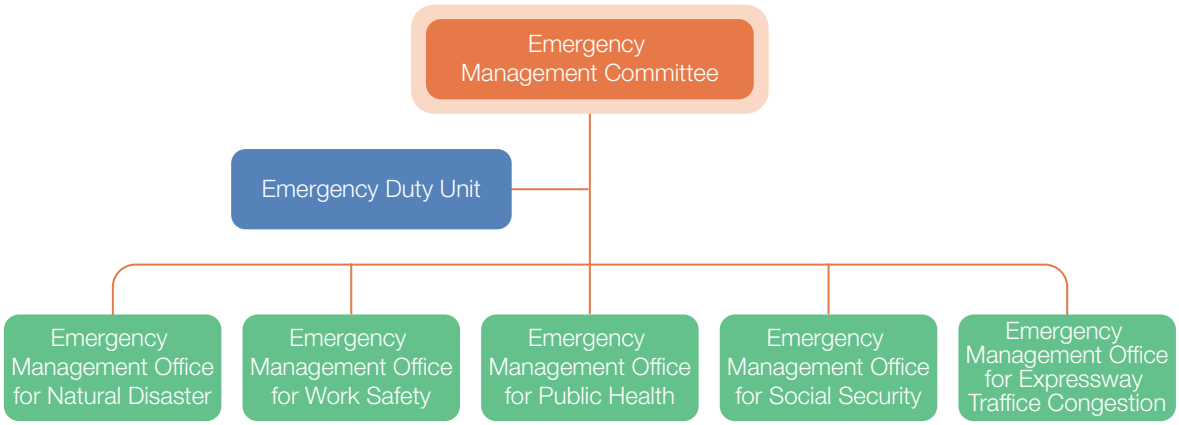
Trainings and drills under the name of "Fire Safety Experts"

II. INTEGRATING AND ADVANCING, PAVING A SMOOTH PATH

2.2 Emergency Response

The Company strictly adheres to laws, regulations and industry standards, including the *Guidelines for the Preparation of Emergency Plans for Production Safety Accidents of Production and Operation Units* 《生產經營單位生產安全事故應急預案編製導則》 and the *Emergency Plan for Highway Transportation Emergencies* 《公路交通突發事件應急預案》. In view of the actual situation of its safety management, the Company has established a systematic and standardized emergency management system, under which the *Comprehensive Emergency Plan for Work Safety Emergencies* 《安全生產突發事件綜合應急預案》 serves as the overall framework and is supplemented by multiple special plans and on-site disposal plans, and the aim is to comprehensively improve its capability to deal with emergencies and the efficiency of its rescue efforts, ensuring its rapid and effective response to emergencies, such as natural disasters and traffic accidents, and the safety and smooth operation of the expressway.

The Company has established a comprehensive emergency management framework and has set up an emergency management committee, responsible for decision-making and oversight of emergency events relating to the operation of the Company. The emergency management committee has five specialized offices, each responsible for the daily management of emergency events such as natural disasters, work safety, public health, social security and expressway traffic congestion. The operation and dispatch centre serves as an emergency duty unit, responsible for handling emergency events of the Company 24 hours a day.



To effectively address various emergency safety risks, the Company has organized its operating units to formulate comprehensive emergency plans, specialized emergency plans and on-site disposal plans, covering public health, toll collection, traffic flow management, traffic congestion, road clearing, snow removal, flood control, natural disasters, fire evacuation and other things. We coordinate and collaborate with relevant government departments and other parties involved in these plans to improve the efficiency of collaborative emergency response and effectively ensure road safety.

II. INTEGRATING AND ADVANCING, PAVING A SMOOTH PATH

We conduct emergency safety drills actively to enhance the capabilities of our employees to deal with emergency risks. The Company and each of its operation and management centres organize at least one comprehensive or specialized emergency response drill annually, at least one drill each specialized emergency response plans every three years and at least one drill for all on-site disposal plans annually. After each emergency response drill, we organize participating units to evaluate the execution status of the drill, the rationality and operability of the plans, the command and coordination status, the emergency response status and the performance of emergency response personnel, and provide opinions and suggestions on plan refinements, emergency preparedness, emergency mechanisms and emergency measures to enhance our capability in emergency risk management.

3. PAVING THE WAY FOR A BRILLIANT NEW CHAPTER

Centered on high-quality development, Qilu Expressway has established a comprehensive information security management system. By embracing innovation, we drive the implementation of digital platforms and the transformation of scientific and technological achievements, steadily enhancing operational excellence. We will continue to strengthen our information security defenses and leverage technological innovation to enhance and upgrade our service capabilities, providing customers with a safe and convenient travel experience while injecting strong momentum into sustainable development.

3.1 Weaving a Shield of Information Security

The Company is committed to ensuring data security and customer privacy. We strictly adhere to the *Management Measures for Cybersecurity* Work, following the principles of "whoever supervises is accountable, whoever operates is responsible, and whoever uses is answerable." and "territorial management". We have established a Cybersecurity Work Leadership Group, clarifying that the first responsible persons for cybersecurity work are the principal heads of the headquarters and its affiliated units, while the management personnel in charge of cybersecurity work are the directly responsible individuals.

We have established an information security assurance system with comprehensive coverage, proactive defense and strict management. Based on comprehensive risk identification, we strengthen data access controls and reinforce network system defenses to ensure data confidentiality, integrity, and availability. Specific measures include:

- It is strictly prohibited to use mobile storage media to access paid private network computer terminals for non-work purposes. All mobile storage media must be registered before accessing information systems and undergo mandatory antivirus scanning prior to use.
- Boundary security protection shall be implemented across distinct network zones, with segmented network management. Strict access controls must be enforced between different security domains. The access control strategy adheres to the principle of least privilege to meet the needs of authorized users.
- The responsibilities and privileges of system administrators shall be rigorously managed. User account management shall be enhanced through strict control over registration and approval. Passwords must be of sufficient strength and changed at regular intervals. Upon employee departure or role change, their digital certificates and accounts shall be promptly recovered and cancelled.
- Security design shall be incorporated during the design phase of digital construction projects, with cybersecurity included within the scope of expert review for all design proposals.
- In the acceptance stage, digital platforms shall undergo cybersecurity classified protection testing and be registered with Level 2 Classified Protection Certification.
- Internet-facing assets shall be identified and scanned, with all detected vulnerabilities promptly patched.

II. INTEGRATING AND ADVANCING, PAVING A SMOOTH PATH


网络安全等级保护
备案证明

依据《中华人民共和国网络安全法》和《信息安全等级保护管理办法》的有关规定，齐鲁高速公路股份有限公司单位的：

第2级 齐鲁高速公路股份有限公司数字化平台 系统

予以备案。

证书编号：37012039182-25001

中华人民共和国公安部监制

备案公安机关公章

年 月 日

2025 11 26

Cybersecurity Classified Protection
Level 2 Filing Certificate

To ensure the privacy and security of its customers, the Company strictly implements security protocols throughout the entire data analysis process. All analytical work involving customer information is conducted on dedicated internal servers, ensuring no data leaks from the internal network environment. During data output, all sensitive personally identifiable information is filtered out, fundamentally eliminating the risk of privacy leaks. During the Reporting Period, the Company experienced no information security incidents or related complaints.

3.2 Driving Innovation to Yield Tangible Results

Technological innovation serves as a fundamental driver of Qilu Expressway's sustainable development. The Company strictly complies with the Measures for the Management of Technology Projects, adhering to the core principles of "comprehensive planning, categorized implementation, emphasis on transformation and pursuit of practical results." Through scientific, systematic, standardized, and institutionalized management, the Company continuously strengthens its technological innovation capabilities, ensuring that all technology projects align closely with core business demands and support the Company's strategic objectives. A multi-level management structure, characterized by "designated department coordination + core responsible parties + dedicated leadership," has been established. The Corporate Management Department, acting as the centralized coordinating body for technology projects, shall be responsible for project initiation, review, and the supervision and management of project implementation. The units (or departments) undertaking technology projects, as the primary responsible parties, shall secure project funding and necessary supporting conditions, and organize project execution. Project leaders shall ensure the completion of research tasks in accordance with approved plans and exercise scientific and standardized management throughout the project lifecycle.

II. INTEGRATING AND ADVANCING, PAVING A SMOOTH PATH

Digital Transformation

Qilu Expressway continues to integrate its core business with digital technologies to comprehensively enhance operational efficiency. A Digitalization Leadership Group has been established to spearhead the development of digital platforms, precisely addressing actual challenges in key operational areas such as operation management, maintenance and inspection, and command and dispatch. During the Reporting Period, the Company completed the acceptance review of its digital platform, with functions including intelligent auditing, real-time vehicle traceability, and user engagement receiving unanimous praise from experts. The digitalization projects have yielded 6 software copyrights and 2 invention patents, with 2 additional invention patents accepted and 1 paper accepted for publication in a core journal. The "AI Management and Control Platform and AI Auditing Research" prepared under this program, was honored with an Excellence Award at the Shandong Provincial Transportation Technology Innovation Application Competition.

R&D and Application of Innovation Achievements

Guided by the *Measures for the Management of Technology Projects*, the Company has established an R&D and innovation system characterized by "company-level coordination, departmental centralized management, implementation by affiliated units/departments, and full employee participation." All affiliated units have designated specific departments and personnel to manage technology projects, with such management incorporated into the Company's annual specialized assessment for technological innovation. This forms a comprehensive system of "institutional support, organizational collaboration, and assessment-driven incentives," ensuring the orderly progress of R&D and innovation activities.

We employ a dual approach of independent R&D and collaborative development. Focusing on core business needs, project undertaking units independently conduct scientific research and technology development. For technically complex challenges or specific R&D requirements, we engage in collaborative development, leveraging complementary strengths with partner organizations to advance project implementation. Projects are categorized as either innovation research or application promotion, with the former focusing on breakthroughs in core technologies and the latter addressing practical frontline issues. This targeted approach enhances R&D resource efficiency and the outcome applicability.

During the Reporting Period, the Company achieved remarkable results in innovation and R&D, with R&D investment reaching RMB8.1 million. A total of 5 projects were solicited and submitted throughout the year, with 4 approved for initiation, one of which was selected for the Shandong Hi-Speed Group's Technology Plan. The Company added 21 new technological achievements (including 10 patents, 3 group standards, and 4 software copyrights), all of which have been duly filed. Concurrently, we have set a target for 2026: to increase the number of new patents, software copyrights, and other technological achievements by 15% compared to 2025. Looking ahead, we will cultivate a stable and highly competent scientific research team by optimizing the selection and training mechanisms for project leaders. We will establish an industry-university-research collaboration platform and standardize the management of collaborative R&D projects. A robust long-term mechanism for the promotion and application of technological achievements will be developed, broadening transformation pathways and enhancing the scale and industrialization of achievement conversion. By deeply integrating technological achievements with core business operations, we aim to continuously strengthen the Company's core competitiveness.

Case **High-Quality Implementation of the "Digital & Intelligent Empowerment" Initiative at Deshen Operation and Management Centre**

In August 2025, the Deshen Operation and Management Centre (the "Centre") officially launched its "Digital & Intelligent Empowerment" initiative. Driven by innovation, the Centre has deployed drones for road patrols, enabling automatic detection of abnormal events such as debris on roadways, illegal parking, and traffic congestion, thereby significantly improving emergency response efficiency. Meanwhile, AI-powered self-service devices have been piloted at two toll stations, markedly enhancing traffic throughput. In the realm of "Five Small Innovations", three practical innovations, namely an intelligent anti-tailgating monitor, a barrier failure alarm system, and an intelligent ramp barrier, have been successfully implemented, channeling innovative vitality into service upgrades.

II. INTEGRATING AND ADVANCING, PAVING A SMOOTH PATH

Intellectual Property Management

The Company follows the *Measures for the Management of Technology Projects* to systematically govern the entire lifecycle of intellectual property, including creation, protection, utilization, and achievement transformation. Intellectual property is managed under a filing system, whereby the headquarters and all affiliated units oversee patents, copyrights, and technical know-how within their respective business scopes, with all such assets filed centrally at the Company level. Any violation of the Company's IP protection provisions, such as disclosure of technical secrets or unauthorized transfer of technological achievements, shall be subject to corresponding liability under relevant national intellectual property laws, ensuring that the Company's IP rights are fully safeguarded. During the Reporting Period, the Company was not involved in any violations or legal proceedings related to infringement of third-party intellectual property rights.

Qilu Expressway's Intellectual Property Performance

	Invention patent	Utility model patent	Software copyright
Number of new patents granted	5	5	4
Number of new patent applications filed	8	8	4
Number of registered patents maintained	11	22	20

3.3 Reputation through Responsible Advertising

Qilu Expressway upholds truthfulness, objectivity, and accuracy as the fundamental principles of its information disclosure. By establishing and continuously improving its information disclosure processes and standards, the Company ensures that all information is released in a timely, accurate, and standardized manner. In its advertising and information disclosure activities, the Company strictly complies with the *Advertising Law of the People's Republic of China*, the *Law on the Protection of Consumer Rights and Interests of the People's Republic of China*, the *Anti-Unfair Competition Law of the People's Republic of China*, and other applicable laws and regulations. Internal policies such as the *Trademark Licensing Agreement*, the *Rules and Regulations of the Company*, and *Advertising Management the System* have been formulated and implemented to resolutely prevent any form of false advertising, misleading statements, or deceptive business practices, thereby effectively safeguarding customer rights and interests.

In terms of public sentiment and risk management, the Company has formulated and implemented the *Contingency Plan for Prevention and Handling of Sudden Sensitive Public Sentiment*, establishing a Leading Group and Office for Public Sentiment Emergency Response dedicated to monitoring, analysis, and resolution. This system significantly strengthens the Company's public opinion response capabilities across its engineering operations segment. In 2025, we continued to strengthen our complaint handling and stability maintenance mechanisms, maintaining vigilant oversight of critical domains and key operational links. By appropriately addressing public inquiries submitted through hotlines such as 12345 and 96659, we successfully defused numerous online public sentiment incidents and potential petition risks. By effectively preventing localized issues from escalating into systemic risks, we fostered a positive and healthy public opinion environment conducive to the Company's stable operations.

During the year, there were no events of non-compliance with trademark or advertising laws and regulations that resulted in significant negative consequences for the Company.

PRACTICING THE MISSION OF LEADING LOW-CARBON DEVELOPMENT

The Company attaches great importance to environmental protection and has fully integrated it into its strategic planning and daily operations. Through the establishment of a complete environmental management system, in-depth publicity of environmental protection, and promotion of the green concept throughout our business practices, we are committed to making substantial progress in energy use, resource conservation, pollution prevention and control and ecological protection, and continue to reduce resource consumption and emissions in our operations, earnestly fulfill corporate environmental responsibilities, and pursue sustainable development of harmonious coexistence between enterprises and nature.

This chapter responds to ESG related material issues:

- **Environmental management**
- **Water resources management**
- **Energy management**
- **Waste management**
- **Coping with climate change**
- **Biodiversity conservation**
- **Noise management**

This chapter responds to the United Nation's Sustainable Development Goals (SDGs):





III. PRACTICING THE MISSION OF LEADING LOW-CARBON DEVELOPMENT

1. STRENGTHENING THE DEVELOPMENT OF LOW-CARBON OPERATIONS

Based on the national environmental protection regulations, the Company has established and continued to improve the environmental management system covering all scenarios of operation and construction. According to the different characteristics of operation management and project construction, we have established corresponding management structures and standard procedures to promote energy saving and consumption reduction, resource recycling and pollution prevention and control in a coordinated way, and are committed to achieving synergistic progress between corporate operations and ecological protection.

1.1 Strict Environmental Compliance Governance

In compliance with the *Environmental Protection Law of the People's Republic of China*, the Company has established and continued to improve the environmental management system covering all business segments. We have established corresponding management structures for operation and project scenarios, and ensured that various environmental protection requirements are implemented through systematic supervision and whole-process management.

We have established the Board of Directors as the decision-making and oversight body for ESG, integrating ESG issues such as climate change into the Company's operating system, with specific implementation by relevant functional departments and business departments. In the project scenario, the Company has appointed the project manager as the chief environmental protection officer and established a three-tier management structure. The deputy manager and the person in charge of technology shall coordinate the construction management and technical solutions respectively, while the inspection, monitoring and implementation of the on-site environmental protection work are carried out by dedicated personnel. On this basis, the Company continuously promotes the construction and standardization of the environmental management system, among which the Company has obtained the ISO 14001 environmental management system certification, and the Assembly Company has obtained the GB/T 24001-2016/ISO 14001:2015 system certification, which further improves the standardization of the overall management.

III. PRACTICING THE MISSION OF LEADING LOW-CARBON DEVELOPMENT



Qilu Expressway ISO 14001 Environmental Management System Certification

Based on the above management system, we have formulated the *Implementation-Oriented Construction Organization Design* (《實施性施工組織設計》) plans for specific projects, deeply integrating environmental protection goals with technical requirements to ensure the efficient implementation of governance measures throughout the entire construction process. At the start-up stage of the project, we set up a special environmental protection leading team to systematically improve the environmental protection awareness and execution capabilities of all employees through pre-work education and specific technical disclosure. During the construction process, we comprehensively utilized low-emission equipment, standardized operation procedures and a regular inspection mechanism to strictly control the dust, waste and hazardous materials, and carried out standardized recycling and disposal of construction materials. By implementing standardized environmental management and control throughout the entire construction process, during the year, all managed projects of the Company did not cause noise, dust, solid waste, or water source pollution.

III. PRACTICING THE MISSION OF LEADING LOW-CARBON DEVELOPMENT

1.2 Prioritize Emission Reduction and Carbon Reduction

The Company actively responds to the national "Double Carbon" strategy, with refined energy management as the core, systematically promotes energy conservation, consumption reduction and clean substitution in the operation process, and strives to build a green and low-carbon operation model.

Energy Management

The Company strictly complies with the relevant regulations and policy requirements such as the *Law on Energy Conservation of the People's Republic of China*, and establishes a normalized energy data statistics and target monitoring mechanism. Through regular analysis of energy consumption such as gasoline, diesel, natural gas and electricity, the Company ensures a substantial improvement in resource utilization efficiency. In the future, the Company is committed to steadily reducing total energy consumption and achieving green and low-carbon development by optimizing operation efficiency, promoting energy-saving technologies and strengthening management.

Volume and Intensity of Energy Consumption

Type	Unit	2025	2024	2023
Electricity	kilowatt-hours	11,940,112.87	9,343,454.10	8,036,298.46
Gasoline	tonnes	132.70	149.44	162.22
Diesel	tonnes	112.63	95.03	155.41
Coal gas	liter	0.00[1]	3,900.00	4,500.00
Natural gas	standard cubic metres	1,151,607.00	2,361,164.00	1,258,763.00
Total energy consumption volume	kilowatt-hours	27,326,667.07	37,810,487.81	25,499,244.74
Total energy consumption intensity	kilowatt-hours/ person	40,304.82	56,265.61	36,636.85

We have integrated the concept of green operation into all business segments, and formulated specific and feasible green office measures, implemented targeted energy-saving renovation projects and raised awareness.

[1] During the year, because the relevant subsidiaries completed fuel substitution and replaced all the original coal gas with natural gas, this data was 0.

III. PRACTICING THE MISSION OF LEADING LOW-CARBON DEVELOPMENT

Energy-saving measures

Type	Measures
Energy conservation in office spaces	• Lighting management: separate individually controlled lighting areas, install motion sensors in areas that are not frequently used, optimize the number of lamps based on actual demand, and use energy-efficient lamps throughout. • Air conditioning system management: clean air conditioner filters and coils regularly, install seals on doors and windows, set the minimum temperature of the air conditioning system to 25.5 degrees Celsius in summer, and turn off the air conditioner during non-office hours. • Employee behavior initiative: allow for a casual dress code policy in hot weather to reduce reliance on air conditioning.
Energy management in transportation	• Fleet optimization: maintain the Company's vehicles regularly to maintain their performance, prioritize electric or hybrid vehicles, and provide drivers with energy-saving driving training. • Alternative transportation: encourage employees to use public transportation to commute and promote video conferences to replace non-essential business trips.
Equipment performance improvement	• Electricity usage habits and hardware management: turn off unnecessary electronic equipment completely during non-working hours, unplug appliances that are not in use; reduce the number of devices and energy consumption through server consolidation and virtualization technologies. • Procurement standard: prioritize products with energy-efficient labels when procuring electronic equipment and air conditioners.

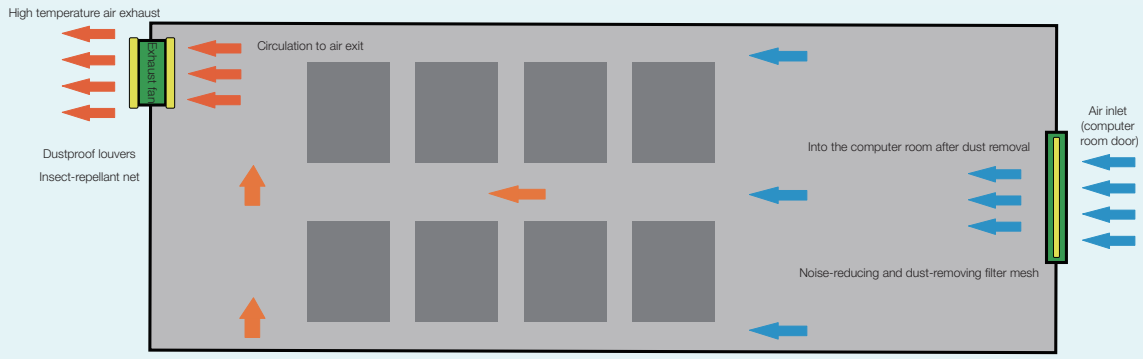
III. PRACTICING THE MISSION OF LEADING LOW-CARBON DEVELOPMENT

Case **Energy Conservation Publicity Week and Low-Carbon Day at Shen County Toll Station**

In 2025, the Shen County Toll Station organized a series of publicity activities around the themes of "Energy Efficiency, Renew 'New' Leading (節能增效, 煥'新'引領)" and "Carbon Road Pioneer and Green Future (碳路先鋒、綠動未來)" during the National Energy Conservation Publicity Week and Low-Carbon Day. It actively created an energy conservation and low-carbon atmosphere by holding special sessions for mobilization and deployment, and scrolling display of promotional slogans on the display screens in the plaza and lobby outside the toll station. The activity focused on guiding employees to develop green office habits in their daily work such as saving water and electricity, reducing paper consumption, rationally setting the temperature of air conditioners and turning off equipment in time, which effectively improved all employees' awareness and practical ability of energy conservation and environmental protection.

Case **Air Circulation Cooling System at Shen County Toll Station**

In 2025, in view of the operating characteristics of the computer room and UPS room that require year-round temperature control, the Shen County Toll Station installed an air circulation cooling system based on the natural ventilation principle in the computer room to replace the original air conditioning equipment running 24 hours a day and achieved energy-saving transformation. The system uses hot pressure ventilation to form convection, and outdoor air enters the room after three-stage filtration to ensure stable temperature and humidity. After the transformation, the environment of the computer room is maintained at a suitable range of 20-22°C, which is expected to save nearly RMB40,000 in electricity bills and reduce carbon emissions by approximately 20.4 tonnes each year. This achievement has promotion value. For example, the comprehensive application in the 7 toll stations under the jurisdiction of Liaocheng Deshen Operation and Management Centre is expected to further achieve large-scale energy conservation and reduce carbon emissions by approximately 140 tonnes each year.



III. PRACTICING THE MISSION OF LEADING LOW-CARBON DEVELOPMENT

Clean Energy

The Company optimizes the structure of energy consumption, explores and implements projects such as photovoltaic power generation, advocates prioritizing the use of electric or hybrid vehicles, actively promotes the replacement of traditional fossil energy with clean energy, and reduces carbon emissions from operations.

Case **Jihe Expressway Promotes Traffic Energy Integration and Green Transformation through Technological Innovation**

In 2025, the R&E project of Jihe Expressway deployed photovoltaic facilities on a large scale at the Liangshan East Toll Station and other scenarios, and adopted technologies such as ground source heat pumps to build an energy supply system dominated by clean electricity. Through the integrated design of photovoltaic and highway structure, a distributed power generation network was formed in scenarios such as slopes and service areas, and a supporting smart micro-grid was constructed to achieve efficient consumption. The project achieved an annual supply of green power of approximately 1.26 million kWh and an average annual carbon emission reduction of 22,500 tonnes during the operation period.



III. PRACTICING THE MISSION OF LEADING LOW-CARBON DEVELOPMENT

1.3 Enhancing Efficiency through Intensive Utilization of Resources

Water resources management

Through establishing a water resource balance monitoring system and implementing strict water use management systems as well as diversified water-saving measures across all areas and equipment, the Company regularly summarizes and evaluates water usage, tracks the progress of water-saving initiatives, and continuously refines and implements water conservation management. At present, the water consumption of the Company for business operations is all sourced from municipal water supply. During the Reporting Period, the Company did not encounter any obstacles in obtaining water sources.

Water management measures

Specifications on water use in the canteen

- The water pipes on the stove must be closed in a timely manner when not in use. Processing water is managed quantitatively based on the characteristics of the materials, containers are used to store water unless necessary, and flowing water is prohibited to keep open for a long time. The Company shall ensure that water in the storage tanks will not be used in the next day;
- The steamer shall be disconnected from the water source immediately when it is not in use and any accumulated water in it shall be released, and it is prohibited to use flowing water to defrost raw materials;
- Water used for the cleaning of the operating area shall be reasonably controlled, directly rinsing the floor with water is prohibited and a wet mop must be used for cleaning.

III. PRACTICING THE MISSION OF LEADING LOW-CARBON DEVELOPMENT

Water management at office areas

- We post "save water" slogans at water use points to remind employees to pay attention to water conservation;
- The management team regularly inspects the water and electricity facilities on each floor to ensure that the equipment is in good condition and repaired in a timely manner to reduce leakage, dripping and other unnecessary waste.

Guidance on water-saving behavior of employees

- We encourage employees to develop good habits, such as promptly turning off faucets, using rice washing water to clean vegetables or utensils, collecting laundry water for flushing toilets, etc., and continuously conduct promotion and education by making slogans and establishing a water-saving column to create a water-saving atmosphere among all employees;
- The Company regularly summarizes and evaluates the water consumption, and follows up on the progress of water-saving work, promoting the continuous optimization and implementation of water-saving management.

Water consumption volume and intensity

Type	Unit	2025	2024	2023
Total water consumption volume	cubic metres	198,633.00	72,745.00	71,815.00
Total water consumption intensity	cubic metres/ person	292.97	108.25	103.18

III. PRACTICING THE MISSION OF LEADING LOW-CARBON DEVELOPMENT

Raw materials management

To improve the utilization efficiency of resources and practice sustainable development, the Company adheres to the use of environmentally friendly materials as the guide in respect of the use of raw materials, and systematically monitors and implements refined management over the consumption of raw materials. On the basis of guaranteeing the high-quality completion of projects, the Company effectively reduces resource consumption and continues to improve the comprehensive utilization rate of materials.

Consumption of raw materials

Type	Unit	2025	2024	2023
Cement	tonnes	34,078.43	1,943.00	4,109.58
Stone	tonnes	124,269.91	183,471.40	297,934.41
Asphalt	tonnes	8,773.45	12,057.14	4,850.13

1.4 Waste and Emissions Management

The Company strictly adheres to relevant laws and regulations on waste management, including the *Solid Waste Prevention and Control Law of the People's Republic of China* (《中華人民共和國固體廢物防治法》) and the *Standards for Pollution Control of Hazardous Waste Storage* (《危險廢物貯存污染控制標準》), and has set up targeted management measures for waste, wastewater and exhaust gas to continuously reduce the environmental impact of its operations.

Solid Waste

The Company has established a waste management system covering its entire operation and construction process and implemented standardized management based on the classification of hazardous and non-hazardous wastes. In our daily operations, we promote paperless processes, advocate double-sided printing and electronic communication to reduce the use of paper and other consumables at the source. We have set up classified recycling facilities in our office areas and entrusted qualified professional units to handle hazardous wastes in a standardized manner and collaborated with property management units to promote the recycled use of non-hazardous wastes.

In respect of the management of construction projects, the Company formulates and submits for approval the *Construction Waste Management Plan* before the commencement of construction works, and has established a full-process control mechanism covering classification, recycling and disposal. We implement tiered waste management by setting up enclosed waste stations in construction sites and establishing a three-tiered waste management system based on recyclability to effectively promote the reduction and recycling of wastes in construction sites. The Company continuously promotes the classification and recycled use of construction wastes and actively explores the application of recycled materials, with an aim to achieve the goals of 100% recycling of building material packaging materials and 100% classification of toxic and hazardous wastes, so as to improve resource recycling efficiency.

III. PRACTICING THE MISSION OF LEADING LOW-CARBON DEVELOPMENT

Discharge of Solid Waste

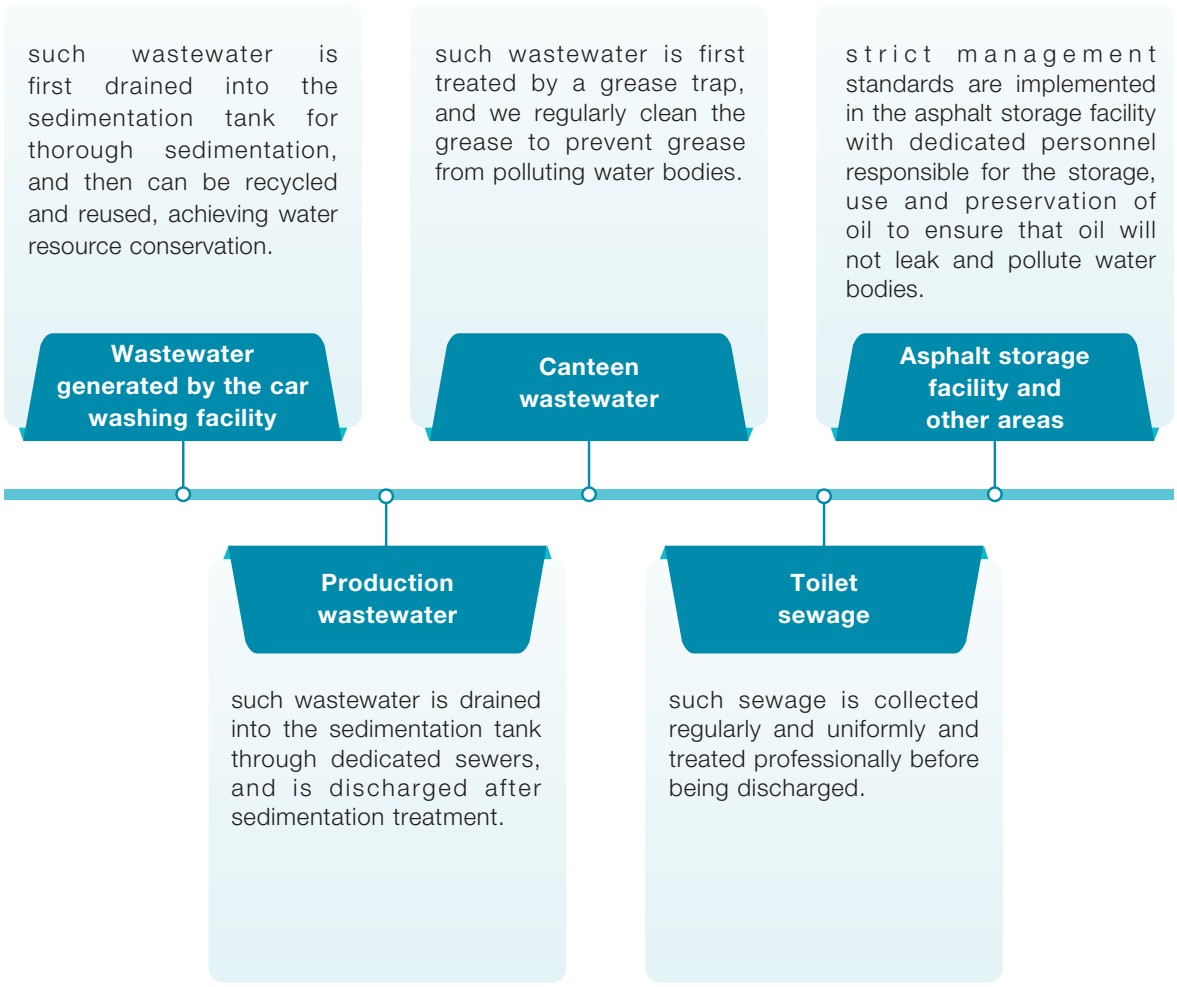
Category		Unit	2025	2024	2023
Hazardous waste	Spent activated carbon	kg	1,536.00	1,028.00	806.00
	Toner cartridges and ink cartridges	kg	309.94	137.00	242.00
	Fluorescent lamps	kg	83.00	75.00	76.00
	Batteries	kg	81.36	77.09	35.01
	Total	kg	2,010.30	1,317.09	1,159.01
	Intensity of hazardous waste generation	kg/person	2.97	1.96	1.67
Non-hazardous waste	Paper	kg	3,247.12	5,975.00	8,461.00
	Domestic waste	kg	78,496.50	82,087.00	75,200.00
	Kitchen waste	kg	6,157.50	6,750.00	6,648.00
	Total	kg	87,901.12	94,812.00	90,309.00
	Intensity of non-hazardous waste generation	kg/person	129.65	141.09	129.75

III. PRACTICING THE MISSION OF LEADING LOW-CARBON DEVELOPMENT

Wastewater

Based on the differences in the sources and properties of wastewater, the Company has established a professional disposal mechanism for classified collection and hierarchical management. We have equipped each operating site with corresponding wastewater treatment facilities, and we ensure that all wastewater has been effectively purified before discharge and continuously complies with national and local environmental protection discharge standards through standardized treatment processes.

Wastewater Treatment Measures



III. PRACTICING THE MISSION OF LEADING LOW-CARBON DEVELOPMENT

Exhaust

The Company's exhaust originates from multiple sources, including canteen catering, operation of official and maintenance vehicles, highway marking construction, and engineering machinery operation at project sites. To strengthen exhaust emission management, the Company regularly maintains official vehicles, controls vehicle usage frequency, continuously monitors emission sources, and traces their emission composition, providing a basis for implementing refined management and continuously improving environmental performance.

Exhaust Emission Status

Category	Unit	2025	2024	2023
Sulfur dioxide	kg	235.99	210.75	91.03
Nitrogen oxides	kg	2,549.84	3,100.73	2,666.73
Suspended particles[2]	kg	1,482.82	/	/

[2] Qilu Expressway has newly disclosed this indicator during the year.

III. PRACTICING THE MISSION OF LEADING LOW-CARBON DEVELOPMENT

2. COPING WITH CLIMATE CHANGE

As a key participant in the transportation industry, Qilu Expressway deeply recognizes that the industry is not only a critical sector for energy consumption and greenhouse gas emissions, but also directly faces the practical impacts of climate change, such as extreme weather events. Therefore, with reference to the recommendations of the Stock Exchange's climate-related guidelines, we have comprehensively implemented climate management across the entire value chain from four perspectives, including governance structure, response strategies, risk management, indicators and objectives, striving to enhance climate resilience and achieve sustainable development goals.

2.1 Climate Change Governance

As the supervisory and management body for climate change issues, the Company's board of directors is committed to integrating climate change response and governance into the Company's business and operations. We have formulated relevant climate risk management systems, including the *Emergency Response Plan for Natural Disaster Emergencies* (《自然災害突發事件應急處置預案》), the *Measures for the Administration of Inspection of Expressways in Flood Season* (《高速公路汛期巡查管理辦法》) and the *Emergency Duty System for Maintenance during Flood Season* (《汛期養護應急值班制度》) to standardize and guide climate risk identification, assessment, and response. Meanwhile, we continuously monitor greenhouse gas emissions, set emission reduction targets, and track the implementation of emission reduction measures to participate in climate governance with concrete actions.

2.2 Climate Change Strategies[3]

Based on the scenarios of expressway operation and construction, we have identified physical and transitional climate change-related risks and opportunities, including extreme weather and natural disasters, and have systematically analyzed and classified them to formulate corresponding management measures.

[3]
- During the reporting period, due to incomplete value chain information and unclear industry accounting standards, the company is temporarily unable to fully define the scope of the value chain affected by climate change. In accordance with the principle of reasonable data exemption, we aim to gradually improve this assessment in the future.
- During the reporting period, limited by internal professional capabilities and available data, the company has not yet been able to conduct a comprehensive analysis of the financial impact of climate-related factors. Based on the principle of reasonable data and capability exemption, we plan to progressively advance quantitative analysis in the future.
- During the reporting period, due to a weak relevant data foundation and internal analytical capabilities still under development, the company has not initiated formal climate scenario analysis. Following the principle of reasonable data and capability exemption, we plan to gradually carry out this work once data and methodologies are sufficiently established.

III. PRACTICING THE MISSION OF LEADING LOW-CARBON DEVELOPMENT

Risk and Opportunity Identification and Response

Type of risk and opportunity		Description of risk and opportunity	Financial impact	Impact Cycle	Response measures
Physical risks	Extreme weather events such as floods, cyclones and dense fog	• Risk of operational disruption: Extreme weather may lead to reduced traffic volume on some road sections, temporary business interruptions or forced closures. • Asset and operational stress risk: Extreme weather may lead to increased damage to infrastructures such as roads and increased frequency of traffic accidents.	• Decreased revenue: Reduced traffic volume and business disruptions directly lead to decreased toll revenue. • Increased costs: Maintenance and repair costs, accident treatment expenses and energy consumption costs will increase significantly in order to cope with road damage and accident treatment.	Short to medium term	• Systematically assess the potential impact of extreme weather on operations, develop and continuously improve specific emergency response plans; regularly organize emergency drills to ensure employees are familiar with the procedures and can respond quickly and effectively in the event of sudden weather changes. • Provide frontline employees with necessary personal protective equipment, heatstroke prevention drinks, and emergency medicines to ensure their occupational health and safety.

III. PRACTICING THE MISSION OF LEADING LOW-CARBON DEVELOPMENT

Type of risk and opportunity	Description of risk and opportunity	Financial impact	Impact Cycle	Response measures
	• Overall performance risk: Decreased revenue and increased costs will jointly squeeze profit margins, while operational efficiency will decline due to issues such as production shutdown and safety concerns.	• Impaired profitability and stability: The combined effect of decreased revenue and increased costs will compress profit margins, while declining operational efficiency will further erode profitability, impacting overall operational stability.		• Establish a real-time meteorological information tracking mechanism and a digital system to monitor road conditions and weather changes, providing support for decision-making. • In new construction and maintenance projects, consciously adopt technologies and materials with stronger climate adaptability to enhance the ability of critical infrastructure such as roads and bridges to withstand extreme weather, thereby reducing the risk of damage and subsequent costs from a physical perspective.

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Type of risk and opportunity	Description of risk and opportunity	Financial impact	Impact Cycle	Response measures
Rise in average temperature	• Operational energy consumption risk: Due to the continued rise in average temperature, the Company's cooling demand will increase significantly. • Accelerated asset aging risk: High-temperature environments may accelerate material fatigue and performance degradation of tangible infrastructure such as roads and bridges.	• Increased operating costs: To meet the growing demand for cooling, the Company's energy consumption and related costs will increase, directly driving up operating costs.	Long term	• Establish and improve a real-time monitoring and early warning mechanism for extreme weather such as high temperatures, and simultaneously formulate special emergency plans to enhance pre-event warning and in-event response capabilities and ensure operational safety.

III. PRACTICING THE MISSION OF LEADING LOW-CARBON DEVELOPMENT

Type of risk and opportunity	Description of risk and opportunity	Financial impact	Impact Cycle	Response measures
		• Increased maintenance costs and asset depreciation: The cost of maintaining tangible assets will increase to cope with more frequent maintenance and repairs. At the same time, the effective lifespan of assets may be shortened, leading to accelerated depreciation or premature replacement, increasing pressure on capital expenditures.		• Actively promote the use of energy-saving equipment to improve energy efficiency, while developing specialized maintenance technologies for specific climatic conditions such as high temperatures to enhance the climate resilience of business operations. • Establish an advanced meteorological monitoring system to scientifically predict long-term climate pattern changes and adjust medium – and long-term plans for road maintenance and construction, etc. accordingly, so that infrastructure development can proactively adapt to climate change trends.

III. PRACTICING THE MISSION OF LEADING LOW-CARBON DEVELOPMENT

Type of risk and opportunity		Description of risk and opportunity	Financial impact	Impact Cycle	Response measures
Transition risks	Policies and laws	• Risk of increasingly stringent regulations: Policies and regulations concerning carbon emission control and ecological protection are becoming increasingly stringent both domestically and internationally, and regulatory requirements are continuously being raised.	• Increased compliance costs: To meet stricter environmental and emission standards, the Company will increase its investment in technology upgrades, equipment modifications, management processes, and monitoring reports, resulting in a significant increase in operational compliance costs.	Short to medium term	• Dynamically monitor domestic and international climate-related regulations and policies to ensure operational compliance; based on this, continuously improve the Company's internal carbon management structure and system. • Conduct continuous monitoring and review of carbon emissions from daily operations, regularly assess emission reduction performance and target achievement, and form a closed-loop management system.

III. PRACTICING THE MISSION OF LEADING LOW-CARBON DEVELOPMENT

Type of risk and opportunity	Description of risk and opportunity	Financial impact	Impact Cycle	Response measures
Technologies	• Technology transformation risk: In order to cope with the low-carbon transformation, the Company needs to make forward-looking investments and research and development in emerging low-carbon technologies.	• Increased expenses: Investment in the research and development of emerging technologies and corresponding employee skills training will directly increase the Company's research and development and training expenses.	Medium to long term	• Proactively plan and invest resources in the research and development of emerging low-carbon technologies and team capacity building by learning about cutting-edge industry knowledge and technological trends, viewing this as a necessary investment to drive the Company's long-term transformation and enhance competitiveness.
	• Asset renewal risk: The transition from existing equipment and technology to low-carbon alternatives is a long process, involving multiple stages such as planning, procurement and implementation.	• Cost pressure: The process of replacing low-carbon technologies and products requires long-term and large-scale capital investment, which will increase the overall operating costs and financial pressure of enterprises for a certain period of time.		• Systematically evaluate and introduce applicable low-carbon technologies and products, striving to control overall costs over a longer investment period by optimizing implementation paths and full lifecycle management.

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Type of risk and opportunity		Description of risk and opportunity	Financial impact	Impact Cycle	Response measures
	Reputation	• Market confidence and expectation risk: In the context of climate change, customers and investors may have less confidence in the industry outlook and become more cautious, while having higher expectations for corporate climate governance and transformation performance.	• Increased financing pressure: Changes in market confidence and higher ESG expectations may affect a Company's financing channels in the debt or equity markets and drive up its financing costs.	Long term	• Strengthen external communication and industry participation, respond to concerns from all parties through proactive dialogue, and enhance our responsible image. • Focus on internal capability building and value communication, support practical results with technology research and development and management upgrades, and demonstrate leading actions through special publicity campaigns.
Opportunities	Market	• Policy incentive opportunity: The government has introduced a series of support policies, including preferential taxation and financial subsidies, to encourage enterprises to address climate change.	• Direct cost reduction and increased revenue: Applying for and obtaining government tax incentives and subsidies can directly reduce the Company's operating costs and increase revenue.	Medium to long term	• Actively monitor government policies and "Dual Carbon" development guidelines, promote government-enterprise cooperation, and strive to obtain policy support.

III. PRACTICING THE MISSION OF LEADING LOW-CARBON DEVELOPMENT

2.3 Climate Change Risk Management

Based on its understanding of the systemic risks and industry transformation requirements brought about by climate change, the Company has fully integrated climate-related risks and opportunities into its strategic and business decisions, and has established a full-cycle management mechanism covering identification, assessment, and response. Within this framework, the Company has formulated the *Classified and Graded Early Warning and Response Measures of Severe Weather on Expressway* 《高速公路災害天氣分類分級預警叫應措施》, implementing graded control of the risk according to the degree of impact of climate change, thereby ensuring that climate risk management can be initiated promptly, responded to accurately, and effectively implemented.

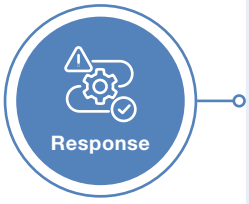
Climate Change Risk Management Mechanism



The Company closely focuses on its core business scenarios, such as expressway operation and construction, and systematically identifies various extreme weather and natural disaster risks that it may face. This mainly includes meteorological disasters such as typhoons, rainstorms and heavy snow; hydrological disasters such as floods; and geological disasters such as landslides, mudslides, and debris flows. It also takes into account earthquakes and marine disasters to ensure that the risk list comprehensively covers the main potential threats in the areas where its businesses are located.



Based on the identification, the Company conducts a comprehensive analysis of the risk levels, probability of occurrence, and potential impacts on personnel safety, asset preservation and operational continuity of various disasters. This assessment aims to determine management priorities and provide a basis for subsequent emergency resource allocation and contingency plan development, ensuring that management measures focus on key risk points.



To effectively manage identified climate risks, the Company has established a sound emergency management and rescue mechanism, classifying risk responses into four levels and developing corresponding measures for each. This mechanism aims to rapidly activate emergency response, efficiently organize rescue efforts, and fully engage in disaster relief and rescue operations in the event of a disaster, thereby maximizing the safety of personnel and company property, maintaining stable business operations and minimizing the impact of disasters.

III. PRACTICING THE MISSION OF LEADING LOW-CARBON DEVELOPMENT

2.4 Climate Change Indicators[4]

The Company actively responds to the national "Dual Carbon" strategy, incorporating greenhouse gas emissions and energy consumption into a routine monitoring and management mechanism. Our emissions include direct and indirect emissions. Direct emissions mainly originate from the combustion of fuel in official and engineering vehicles and natural gas in canteens, while indirect emissions mainly originate from purchased electricity. We continuously promote energy conservation and emission reduction and clean energy substitution by regularly evaluating performance and publicly disclosing progress, constantly optimizing our energy structure to ensure a steady decline in carbon emission intensity and achieve low-carbon operations and high-quality development.

Greenhouse Gas Emissions[5]

Category	Unit	2025	2024	2023
Direct greenhouse gas emissions (Scope 1)	tonnes carbon dioxide equivalent (tCO_2e)	3,272.19	6,280.54	3,978.87
Indirect greenhouse gas emissions (Scope 2)	tonnes carbon dioxide equivalent (tCO_2e)	6,335.42	5,011.87	4,268.66
Total greenhouse gas emissions (Scope 1 and 2)	tonnes carbon dioxide equivalent (tCO_2e)	9,607.62	11,291.58	8,247.53
Intensity of greenhouse gas emissions	tCO_2e/RMB ten thousand	0.04	0.02	0.015

[4] During the reporting period, due to the difficulty in obtaining complete value chain emissions data, the company has not yet conducted accounting and analysis of Scope 3 greenhouse gas emissions. In accordance with the principle of reasonable data exemption, we will initiate related work when data conditions permit. Furthermore, the company currently lacks sufficiently certain and reasonably obtainable data to quantify the financial impact of climate-related risks and opportunities on capital expenditures, financing, and investments. Following the principle of reasonable data exemption, we plan to continue advancing the collection and assessment of relevant data.

[5]
- The Company's greenhouse gas emissions operating boundary includes direct emissions (Scope 1) and indirect emissions (Scope 2).
- Scope 1: Direct greenhouse gas emissions mainly come from the use of gasoline, diesel, natural gas, etc., and the carbon dioxide emission factors mainly refer to the *IPCC Guidelines for National Greenhouse Gas Inventories* (2006) (《IPCC 國家溫室氣體清單指南(2006)》).
- Scope 2: Indirect greenhouse gas emissions mainly come from the use of purchased electricity and heat, etc. The carbon dioxide emission factors mainly refer to the Announcement on the *Release of the CO_2 Emission Factors for Electricity in 2023 (Ministry of Ecology and Environment)* (《關於發佈2023年電力二氧化碳排放因子的公告(生態環境部)》) and the *Greenhouse Gas Emissions Accounting Methodology and Reporting Guidelines for Public Buildings Operating Enterprises (Trial)* (《公共建築運營企業溫室氣體排放核算方法和報告指南(試行)》).

III. PRACTICING THE MISSION OF LEADING LOW-CARBON DEVELOPMENT

3. ECOLOGICAL HARMONY SHAPING THE FUTURE

Qilu Expressway deeply understands the close connection between highway construction and operation and the ecological environment along the route, and has always regarded ecological protection as an important part of its work. We steadily promote biodiversity conservation and ecological restoration, actively fulfill our ecological responsibilities, and strive to reduce the impact of engineering and operation on the natural ecosystem.

3.1 Noise Reduction and Disturbance Prevention for a Comfortable Living Environment

The Company prioritizes noise control during construction and operation. We strictly adhere to the requirements of the *Noise Pollution Prevention and Control Law of the People's Republic of China* 《中華人民共和國噪聲污染防治法》 and the *Emission Standard of Environment Noise for Boundary of Construction Site* 《建築施工場界環境噪聲排放標準》 and have established a sound system of civilized construction practices and noise control responsibilities. Through routine monitoring and dynamic management, we rigorously control the entire construction process. The Company has developed a long-term, continuous noise monitoring plan, with designated personnel responsible for regularly measuring and recording data. If noise levels exceed standards, an emergency response is immediately activated, and on-site construction plans are adjusted to ensure that the impact of noise on the surrounding environment and residents is minimized.

To protect the community ecology and effectively control noise impact, the Company implements comprehensive noise control measures during construction and operation. In densely populated areas, we enforce strict time restrictions for high-noise operations. If continuous or nighttime operations are necessary, we take noise reduction measures in advance, proactively communicate with nearby residents, and implement operations only after obtaining approval from the relevant authorities. Simultaneously, the Company establishes a reward and punishment mechanism to regulate on-site work discipline and conducts regular specialized training to continuously improve construction personnel's noise prevention awareness and operational standards.

The Company prioritizes completing high-noise processes such as mortar mixing and steel reinforcement fabrication within the factories or workshops, and selects low-noise machinery or equipment equipped with silencers during equipment selection. During the equipment selection phase, we prioritize low-noise machinery or equipment equipped with silencers, and construct enclosed machinery sheds for high-noise equipment such as mixers and electric saws. Simultaneously, we keep our construction sites as far away from residential areas as possible, and install noise reduction facilities such as soundproof walls and soundproof covers. Furthermore, the Company actively researches and promotes environmentally friendly materials such as a new anti-icing and noise-reducing asphalt mixture, effectively reducing traffic noise while improving road safety, achieving noise prevention and control from the source.

III. PRACTICING THE MISSION OF LEADING LOW-CARBON DEVELOPMENT


证书号第7832731号

发明专利证书

发明名称：一种抗冰降噪沥青混合料及其制备方法

专利权人：齐鲁高速（山东）装配有限公司

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专　　利　号：ZL 2024 1 0858012.1　　授权公告号：CN 118771783 B

专利申请日：2024年06月28日　　授权公告日：2025年03月28日

申请日时申请人：齐鲁高速（山东）装配有限公司

申请日时发明人：张吉;张威;王景;孙佳宁;郑泓;王强

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国家知识产权局

2025年03月28日

第1页(共1页)

Patent Invention Certificate – An Anti-icing and Noise-reducing Asphalt Mixture and Its Preparation Method

3.2 Protecting the Harmony of All Things in Symbiosis

As an expressway construction and operation company, we have always regarded ecological protection as an important part of our operation and management. We have established a regular greening maintenance mechanism to regularly maintain and replant green belts, slopes and interchange areas of key sections such as Deshang Expressway (Liaocheng – Fan County section), Shennan Expressway and Jihe Expressway, continuously promoting the restoration and functional improvement of ecological spaces along the route. The resulting vegetation cover effectively promotes the protection of regional biodiversity and the stability of the ecosystem.

III. PRACTICING THE MISSION OF LEADING LOW-CARBON DEVELOPMENT

The Company fully integrates ecological protection requirements into its operations and management, and establishes a routine ecological tracking and assessment mechanism. This involves regularly monitoring environmental indicators such as water quality and soil, conducting continuous tracking and ecological impact assessment of relevant projects, promptly identifying potential ecological disturbances during operations, and taking swift remedial measures. Focusing on key areas such as ecological restoration along roads, soil and water conservation and biodiversity protection, we are steadily advancing various ecological protection efforts to minimize potential impacts on local ecosystems and earnestly fulfill our corporate social responsibility for ecological and environmental protection.

Case **Deshen Operation and Management Centre Organizes Tree Planting Activity**

On March 12, 2025, during the Arbor Day, Deshen Operation and Management Centre organized over 50 Party members, cadres and volunteers from its headquarters and affiliated units to carry out a tree-planting activity with the theme of "Planting Green Together and Protecting the Mother River" in the area along the Yellow River. All participants worked together to complete the planting task, planting a total of 210 saplings of various types. This activity combined tree planting and greenery with the ecological protection of the Yellow River Basin, and enhanced soil and water conservation and water source protection functions through increased forest planting.





UNITING EFFORTS AND MOVING FORWARD TOGETHER

Qilu Expressway adheres to the people-oriented development philosophy and constructs a responsibility system covering employee employment, development, rights protection, and health and safety to effectively safeguard employee rights. The Company promotes supplier compliance with environmental regulations and social responsibility standards, and works with industry partners to build a responsible value chain. Simultaneously, Qilu Expressway actively fulfills its responsibilities as a state-owned enterprise to transform its operational advantages into social value, and promotes the deep integration of transportation resources and regional development by carrying out volunteer services and deepening community care to achieve a positive interaction between corporate growth and social progress.

This chapter responds to ESG related material issues:

- **Employee Employment**
- **Employee Development and Training**
- **Employee Rights and Interests**
- **Health and Safety**
- **Supply Chain Management**
- **Charity and Community Building**

This chapter responds to the United Nation's Sustainable Development Goals (SDGs):





IV. UNITING EFFORTS AND MOVING FORWARD TOGETHER

1. PEOPLE-ORIENTED, ADVANCING TOGETHER

Qilu Expressway adheres to equal employment, establishing a fair and transparent remuneration system and performance evaluation mechanism and providing employees with clear promotion pathways and career development planning. Through a structured training system, we continuously enhance employee capabilities. At the same time, we place high importance on occupational health and safety of our employees, ensuring a safe working environment and safeguarding employees' physical and mental well-being. We are committed to building a "people-oriented" corporate ecosystem, enabling shared success and mutual value creation between employees and the Company.

1.1 Compliance with Fair Employment

Qilu Expressway strictly complies with the *Labour Law of the People's Republic of China* (《中華人民共和國勞動法》), the *Labour Contract Law of the People's Republic of China* (《中華人民共和國勞動合同法》) and the Provisions on the *Prohibition of Using Child Labor* (《禁止使用童工規定》) and other laws and regulations related to labour and employment, and formulates the *Measures for Administration of Open Recruitment of Employees* (《員工公開招聘管理辦法》) and the *Management Practices for Flexible Employment Recruitment and Dismissal* (《員工能進能出管理辦法》) to expressly prevent and take effective measures to eliminate any forms of child labor and forced labor, and resolutely oppose and prohibit any forms of discrimination or inappropriate behaviors in respect of gender, age, race, region, religion, physical condition, etc.

In accordance with the recruitment philosophy of "ability and integrity, virtue first", the Company has established a comprehensive employee employment management system, formulated scientific recruitment plans and implementation plans, and continuously optimized the employment structure. During the recruitment process, by adhering to the principles of "openness, equality, competition and merit", we introduce talents through a variety of open channels such as social recruitment and campus recruitment, and strictly standardize the recruitment process to ensure the matching of personnel and positions and improve organizational efficiency.

We actively build an open and transparent culture of smooth and effective communication. To this end, we set up a digital internal platform to timely understand our employees' concerns through regular two-way communication. During the Reporting Period, we were not aware of any instances of discrimination against or harassment of employees within the Company, nor have we found any employment of child labour or any form of forced labour.

IV. UNITING EFFORTS AND MOVING FORWARD TOGETHER

Employment Particulars Status

Indicators		Indicator Unit	2025 Statistics
Number of employees	Total number of employees	Person	678
Number of employees by gender	Male	Person	424
	Female	Person	254
Number of employees by employment type	Full-time employees	Person	678
	Part-time employees	Person	0
Number of employees by age	Aged below 30	Person	35
	Aged 30-50	Person	549
	Aged above 50	Person	94
Number of employees by region	Northern China	Person	0
	Northeast China	Person	0
	Eastern China	Person	678
	Southern China	Person	0
	Southwest China	Person	0
	Central China	Person	0
	Northwest China	Person	0
	Hong Kong, Macao and Taiwan regions	Person	0
Number of new employees	New employees	Person	13
Number of turnover employees	Total number of turnover employees	Person	14
	Employee turnover rate	%	2.06
Number of turnover employees by gender	Male	Person	11
	Female	Person	3

IV. UNITING EFFORTS AND MOVING FORWARD TOGETHER

Indicators		Indicator Unit	2025 Statistics
Number of turnover employees by employment type	Full-time employees	Person	14
	Part-time employees	Person	0
Number of turnover employees by age	Aged below 36	Person	1
	Aged 36-55	Person	1
	Aged above 55	Person	12
Number of turnover employees by region	Northern China	Person	0
	Northeast China	Person	0
	Eastern China	Person	14
	Southern China	Person	0
	Southwest China	Person	0
	Central China	Person	0
	Northwest China	Person	0
	Hong Kong, Macao and Taiwan regions	Person	0
Number of turnover employees by education level	Postgraduate and above	Person	5
	Undergraduate	Person	6
	Junior diploma and below	Person	3

1.2 Talent Development and Sustainable Cultivation

The competency and growth of our employees are directly related to business results of the Company. We continue to build a systematic talent development and training system to stimulate the potential of every employee and create multi-dimensional professionals who are in line with the Company's business development plan.

IV. UNITING EFFORTS AND MOVING FORWARD TOGETHER

Performance Evaluation

Consistently regarding talent as a core asset, the Company continues to attract and retain outstanding talents by constructing a comprehensive compensation and benefits system that is closely integrated with business strategy and combines internal fairness with external competitiveness. In strict compliance with relevant national and local laws and regulations, we formulate a series of systems and norms including the *Remuneration Management Measures* (《薪酬管理辦法》), providing a clear and consistent institutional basis and implementation framework for talent selection and retention, incentive development and performance management.

Following the principle of "distribution according to workload, compensation based on responsibilities, and contribution-oriented incentives", we establish an institutionalized performance evaluation system based on position value. Through assessment and feedback communication, we continuously optimize our incentive models to ensure fairness and transparency in the compensation system. We establish a comprehensive compensation system for the Company's employees, with a remuneration structure that fully covers base salary, position-based salary, performance-linked pay, overtime pay, allowances and subsidies, various benefits, and special incentives. This system aims to stimulate employees' self-driven potential and enhance overall organizational momentum, promoting the alignment of individual career development with the strategic goals of the Company.

Development and Promotion

We strictly adhere to regulations of the *Performance Management Measures* (《績效管理辦法》) and the *Position Grade Management Measures* (《職級管理辦法》), establishing clear career development pathways and a fair, transparent promotion system to provide employees with well-defined growth trajectories. We implement a points-based performance evaluation system, directly linking assessment outcomes to compensation incentives, reinforcing a value-driven culture that encourages continuous employee improvement and enhances organizational efficiency. Meanwhile, the Company establishes the Chairman's Initiative Fund and annually organizes diverse award programs to recognize outstanding teams and individuals, fostering an organizational environment that promotes innovation, excellence, and shared growth.

The Company regards female employees as a vital force in organizational development and provides comprehensive attention and support in career development, rights protection, and working environment. In accordance with the relevant requirements under the *Special Collective Contract for the Protection of Female Employees' Rights and Interests* (《女職工權益保護專項集體合同》), we formulate targeted development programs to ensure equal opportunities for career growth. Additionally, the Company regularly organizes specialized training initiatives, including vocational education and management capability enhancement programs, to help female employees continuously improve their professional competence and overall capabilities.

IV. UNITING EFFORTS AND MOVING FORWARD TOGETHER

Case **Empowering Better Public Mobility – Over 70 Employees at the Jihe Operation Center "Achieved" Skill Certification**

In September 2025, over 70 employees at the Jihe Operation Center successfully passed the 2025 Professional Skill Level Assessment for Highway Toll Collection and Monitoring Staff organized by Shandong Hi-Speed Group. The assessment was based on industry standards and consisted of three core modules: theoretical knowledge, practical operations and fire emergency response, with contents closely aligned to real toll service scenarios. Prior to the evaluation, the operation center conducted targeted training programs, question bank simulations and hands-on drills, effectively enhancing employees' skill levels and practical capabilities. This assessment fully demonstrated the staff's solid professional competence and strengthened their sense of responsibility toward service excellence and public mobility. Jihe Operation Center will continue to strengthen the development of skilled talent team, improve service quality and operational efficiency, and contribute to an upgraded travel experience for the public.



IV. UNITING EFFORTS AND MOVING FORWARD TOGETHER

Employee Training

The Company upholds the philosophy of "talent-driven development" and places strong emphasis on the continuous advancement of employees' knowledge and skills, aiming to foster a learning-oriented organization. A comprehensive training system covering all staff has been established, utilizing an integrated approach combining "self-learning via online platforms + offline face-to-face workshops and group discussions," effectively balancing large-scale learning delivered with individualized development needs. Each year, the Company systematically designs its annual training plan by aligning strategic objectives with specific operational requirements from business departments, coordinating both internal and external resources to roll out diverse training programs and learning activities. We actively collaborate with high-caliber external knowledge providers such as industry specialists, university scholars and professional institutions, and regularly host specialized training sessions and high-level lectures. Furthermore, the Company enforces standardized management throughout the training implementation process, conducts evaluation and follow-up on training outcomes, and maintains complete learning records, ensuring that training investments are effectively converted into measurable organizational capability improvement and employee professional growth.

Case **Civilized Service Training of "Enhancing Competence, Optimizing Service – Co-Creating a Better Journey" by Liaocheng Deshen Operation and Management Centre**

On 2 and 7 January 2025, Liaocheng Deshen Operation and Management Center conducted the civilized service training of "Enhancing Competence, Optimizing Service – Co-Creating a Better Journey" in two sessions. The training disseminated key content including civilized service theory, dress code, grooming and posture, action standards, and service language, aiming to enhance the employees' personal professionalism and customer service capabilities. A total of 233 employees participated in the training.



IV. UNITING EFFORTS AND MOVING FORWARD TOGETHER

Employee Training Status

Indicators		Indicator Unit	2025 Statistics
Number of employees trained	Total number of employees trained	Person	678
Employees trained by gender	Male	Person	424
	Female	Person	254
Employees trained by employment category	Full-time employees	Person	678
	Part-time employees	Person	0
Training hours	Average training hours of employees	Hours	229.2
Average training hours of employees by gender	Male	Hours	194
	Female	Hours	235
Average training hours of employees by employment category	Full-time employees	Hours	229.2
	Part-time employees	Hours	0
Percentage of employees trained during the year	All employees	%	100
Percentage of employees trained by gender	Male	%	100
	Female	%	100
Percentage of employees trained by employment category	Full-time employees	%	100
	Part-time employees	%	0

1.3 Employee Rights Assurance

Protecting employee rights is fundamental to building stable labor relations and stimulating organizational vitality. We establish a fair and competitive remuneration and welfare system, regularly organize team-building activities that promote inclusion and care, and implement democratic employee management through sound communication and feedback mechanisms. This ensures employees' rights to information, participation, and oversight in matters critical to their development, thereby strengthening cohesion and sense of belonging.

IV. UNITING EFFORTS AND MOVING FORWARD TOGETHER

Remuneration and Welfare System

The Company strictly complies with the relevant national labor and social security laws and regulations, including the *Social Insurance Law of the People's Republic of China* (《中華人民共和國社會保險法》), and the Interim Provisions on Payment of Wages (《工資支付暫行規定》). In accordance with the *Corporate Annuity Plan of Qilu Expressway Company Limited*, the *Supplementary Medical Insurance Plan of Qilu Expressway Company Limited* and other internal systems, the Company provides employees with additional benefits such as enterprise annuity and supplementary medical insurance benefits in addition to fully paying statutorily mandated "five insurances and one fund" contributions, enhancing the long-term security in staff retirement and healthcare and reflecting the Company's sustained care for employees' future well-being.

The Company strictly implements national regulations on various leave systems, ensuring employees' legal entitlement to paid annual leave, maternity leave, marriage leave, bereavement leave, sick leave, and personal leave. This supports employees in balancing work and personal life, promoting physical and mental health as well as family harmony. Additionally, the Company organizes annual health check-ups for all employees, disburses standard allowances for heatstroke prevention and cooling, winter heating, and lunch subsidies, and provides group accidental injury insurance to continuously enhance employees' sense of belonging, fulfillment, and happiness.

Employee Care

The Company fosters an open, inclusive, positive, and harmonious work environment. Guided by human-centered principles, we advocate for work-life balance. Where overtime is required, arrangements are made only after mutual agreement with employees, with reasonable compensatory time-off scheduled accordingly. The Company regularly organizes diverse and engaging employee activities, driving a positive culture where "work brings achievement, growth brings fulfillment, and life brings happiness," thereby injecting enduring human-centered momentum into sustainable corporate development.

Case **Theme event of "Unity and Vitality – Step Forward" by Qilu Expressway**

In response to the national initiative of "Healthy China", Qilu Expressway conducted the team walking event of "Unity and Vitality – Step Forward" in November 2025. Employees walked together amidst the scenic autumn landscape, enhancing physical well-being while fostering communication and strengthening team cohesion. The event not only reflects the Company's commitment to employee health, but also further inspires work enthusiasm, injecting sustained energy into the corporate development.





IV. UNITING EFFORTS AND MOVING FORWARD TOGETHER

Case **A Series of Activities to Celebrate the International Women's Day by Qilu Expressway**

On the occasion of the 115th International Women's Day, many departments of Qilu Expressway organized various celebratory activities to extend sincere holiday greetings to female employees working across all positions, encouraging them to continue achieving excellence in their roles. Jihe Operation Centre arranged for female staff to visit the Freda Beauty Technology Museum and its transparent factory; Pingyin toll station hosted a crocheted rose-themed handicraft event of "Women Weave Fragrance, Rose Gifts Travel Smoothly"; and the assembly company organized a group movie outing, celebrating the day with joy and warmth. These vibrant activities further strengthened team cohesion and a sense of belonging, infusing a warm and empowering "her power" into the high-quality development of the Company.





IV. UNITING EFFORTS AND MOVING FORWARD TOGETHER

Democratic Management

Qilu Expressway establishes a comprehensive employee democratic management mechanism, with trade union organizations and employee congresses serving as core platforms to effectively safeguard the employees' democratic rights. The Company adheres to internal systems including the *Working Rules of Trade Union Committee*, the *Meeting Rules of Trade Union Committee*, and the *Rules of Employee Congress*, fulfilling its democratic management responsibilities and ensuring open channels for employees to express their concerns. Through regular collection of employee suggestions and proposal submissions during employee congresses, the Company widely solicits opinions and suggestions from employees, promotes standardized and institutionalized transparency in workplace affairs, and protects the employees' rights to information and oversight. In 2025, the union participation rate of the Company was 100%.

Case **Qilu Expressway Held the Third Session of Its Fourth Staff and Workers' Congress and the 2025 Annual Work Conference**

On 11 February, Qilu Expressway Third Session of Its Fourth Staff and workers' congress and the 2025 Annual Work Conference, summarizing the work of the past year and analyzing the current situation and tasks. The conference fully promoted democracy, widely solicited opinions from employees, and pooled collective wisdom to provide solid support for advancing the Company's high-quality development, safeguarding the lawful rights and interests of the employees, and building harmonious labor relations.



Scene of the worker's congress

IV. UNITING EFFORTS AND MOVING FORWARD TOGETHER

1.4 Health and Safety Cornerstone

Consistently protecting employee safety and health as its core responsibility, the Company fully complies with the *Law of the People's Republic of China on the Prevention and Control of Occupational Diseases* (《中華人民共和國職業病防治法》), the *Law of the People's Republic of China on Work Safety* (《中華人民共和國安全生產法》), the *Labour Law of the People's Republic of China* (《中華人民共和國勞動法》), the *Measures for the Administration of Occupational Health Examination* (《職業健康檢查管理辦法》), the *Regulations on Work-Related Injury Insurance* (《工傷保險條例》) and other relevant laws and regulations, and establishes internal safety systems, including the *Safety Management System*, the *Safety Operating Procedures* and the *Fire Management System*, forming a comprehensive safety management framework that covers production safety, equipment operation, personnel management, fire safety, and risk monitoring.

We have compiled safety operation manuals for each position, and required all employees at each level to sign safety responsibility letters to ensure that safety responsibilities are assigned to specific individuals. We ensure the effective implementation of all safety measures by strictly enforcing operating procedures and emergency plans, and by regularly organizing on-site safety inspections and risk assessments. During the Reporting Period, the Company recorded no violations of workplace safety or occupational health laws. In the past three years (including the Reporting Period), the Company had no work-related fatalities, demonstrating significant effectiveness in safety management.

2023-2025 Work-related Injury/Fatality Data of Qilu Expressway

	2023	2024	2025	Unit
Number of work-related fatalities	0	0	0	Person
Work-related fatality rate	0	0	0	%
Number of working days lost due to work	295	172	0	Days
Number of work-related injuries	1	2	0	Person

During the Reporting Period, the Company has passed the "Three-Standards-in-One" system certification, of which ISO 45001 Occupational Health and Safety Management System is a core component, providing systematic protection for employee safety and health. The relevant certificate is set out below:

IV. UNITING EFFORTS AND MOVING FORWARD TOGETHER



ISO 45001 Occupational Health and Safety Management System Certification of Qilu Expressway

The Company places high importance on employee safety education, conducting systematic and multi-level training activities to continuously strengthen overall safety awareness and emergency response capabilities, of which activities include the training activity of “Fire Safety Experts” and practical fire drills, organizing Safety Production Month-themed training and regularly holding safety skills competitions. To ensure training effectiveness, we invite industry experts to deliver specialized lectures and conduct in-depth analyses key points of accident prevention and emergency procedures through real case studies. Meanwhile, we actively innovate training formats by enhancing interactivity and practical simulation and improving employee engagement and experience, to foster a strong culture where “everyone pays attention to safety and everyone participates in safety.”

IV. UNITING EFFORTS AND MOVING FORWARD TOGETHER

2. BUILDING A RESILIENT SUPPLY CHAIN

The Company attaches great importance to the establishment of long-term and stable strategic partnerships with suppliers to be jointly committed to the sustainable development of the industry. We strictly comply with the *Law of the People's Republic of China on Bid Invitation and Bidding* (《中華人民共和國招標投標法》), the *Regulation on the Implementation of the Bidding Law of the People's Republic of China* (《中華人民共和國招標投標法實施條例》) and other national laws and regulations to ensure the legality and compliance of all procurement activities. Meanwhile, the Company has formulated and continuously improved management systems, including the *Supplier Management Principles* (《供應商管理原則》), the *Tendering and Procurement Management Practices* (《招標採購管理辦法》), the *Contract Management Practices* (《合同管理辦法》) and the *Contractor Performance Evaluation Management Practices* (《合同承包商履約評價管理辦法》), which standardize procurement operation procedures, supplier evaluation and screening, audit supervision and blacklist exit mechanisms.

The Company has established a bidding and procurement leadership group as the highest leadership and decision-making body for bidding and procurement work, under which a bidding and procurement leadership group office is set up to supervise and guide the entire bidding and tendering process in collaboration with relevant units. For procurement projects that meet the standards and scope, the Company adheres to the principles of openness, fairness, justice and good faith, and flexibly uses various methods such as public bidding, invited bidding and competitive procurement to ensure the scientific and rational nature of decision-making. All bidding and procurement projects should be completed through the bidding and procurement platform of Shandong Hi-Speed to ensure the systematic and standardized bidding and procurement management process. For the bidding process of engineering construction projects, specific requirements on the safety, quality and environmental protection of suppliers are put forward, including key control points such as the supervision of migrant workers' wages payment, rules and regulations on safety production management, safety inspection procedures and construction safety management requirements as well as the strict implementation of instructions from supervisors on safety work, so as to systematically select high-quality suppliers, which will lay the foundation for the reliability and stability of engineering quality.

IV. UNITING EFFORTS AND MOVING FORWARD TOGETHER

In order to continuously optimize the supplier management mechanism, the Company will conduct a systematic evaluation of the supplier in accordance with the *Contractor Performance Management Practices* (《合同承包商履約管理辦法》) upon the expiration of the service period, which covers key aspects such as project management, contract implementation, financial position, technical level, equipment conditions and completion acceptance, etc. In particular, we will evaluate whether the internal management of suppliers is rigorous, whether the quality of delivered products, services and projects is full in line with the contractual requirements and national and industrial technical standards. The evaluation process includes a concurrent review of whether there are safety liability accidents and integrity non-compliance incidents during the implementation of the project. It also adopts a combination of qualitative and quantitative evaluation methods to ensure the objectivity and comprehensiveness of the evaluation results. For engineering projects, the Company will conduct regular performance inspections in accordance with the *Assessment Standards for Reliability Performance of Highway Construction Companies* (《公路施工企業信用行為評定標準》) and form contract performance inspection reports in a coordinated manner based on the assessment opinions from regulatory authorities. For those long-term cooperating units with excellent assessment results and determined through non-tendering methods, the Company will propose to extend the cooperative relationship and give priority to contract renewal. If a supplier is found to have violations of disciplines and laws, major safety liability accidents, major quality accidents and integrity accidents, the company would be blacklisted as suppliers and prohibited from participating in all subsequent tendering activities, and cannot be reinstated within one year.

The Company actively advocates and practises the concept of green procurement, gives priority to procuring environmentally friendly products and services that have the least impact on the environment and meet national standards, and implements the principle of "first purchase, first use" to optimize inventory management to effectively avoid backlog and waste of materials. According to the *Contractor Performance Evaluation Management Practices* (《合同承包商履約評價管理辦法》), when selecting and managing suppliers, the Company requires contractors to strictly comply with national environmental protection laws and regulations and industry standards, which makes specific requirements on construction noise control, dust control, water pollution prevention, etc. to ensure that all environmental protection measures are implemented during the construction. Meanwhile, we strictly require suppliers to promise to comply with all laws and regulations on anti-corruption, anti-bribery, business ethics, health and safety, labor rights and other aspects. The Company clearly requires suppliers to have a written code of conduct policy to ensure fair remuneration and working environment for employees, prohibiting the use of child labor and forced labor. In the event that the conduct of suppliers is found inconsistent with our Company's policy, the Company will suspend or terminate the cooperation as appropriate until the suppliers complete rectification and meet the standards.

IV. UNITING EFFORTS AND MOVING FORWARD TOGETHER

Distribution of Suppliers of Qilu Expressway

Region	Number of suppliers
Shandong province	76
Beijing	10
Hong Kong, China	5
Jiangsu province	1
Other countries or regions	8

3. DARING TO TAKE ON SOCIAL VOLUNTEER WORK

On the road of fulfilling social responsibility, Qilu Expressway has always taken a firm step, demonstrating the responsibility of a state-owned enterprise and the feelings of home and country with practical actions. Upholding its original intention of contributing to society, the Company continued to assist the development of social welfare by participating in and supporting various public welfare undertakings actively. We actively pay attention to and respond to the actual needs of the communities where we operate, and integrate the interests of the communities into our business decisions. We promote the sharing of the achievements of corporate development with the society through conducting relevant activities such as rural revitalization and assistance and community volunteer services. The Company encourages its employees to actively participate in volunteer services, dedicating their love and serving the community, so that public welfare activities can benefit more groups of people. During the Reporting Period, the Company invested a total of RMB20,000 of public welfare funds, organized 688 person-times employees, and provided a total of 1,115 hours of services.

IV. UNITING EFFORTS AND MOVING FORWARD TOGETHER

3.1 Volunteer Assistance Warms People's Hearts

Employees of Qilu Expressway actively fulfill their social responsibilities and proactively care for vulnerable groups. Through various forms of voluntary service activities such as helping and visiting the elderly, visiting schools, and voluntary blood donation, the employees conveyed the warmth of the enterprise and promoted positive energy, committed to building a more inclusive and warm social ecology.

Case **Qilu Expressway Launched the Volunteer Service Activity themed "Welcome to 1 July and Practice Your Original Heart"**

On 28 June 2025, the Shenxian South Toll Station organized the Party members to carry out the voluntary service activity of "Welcome to 1 July and Practice Your Original Heart (迎七一、踐初心)", organized Party members and employees to deliver daily necessities to the families in need, and actively promoted the national assistance policies and life knowledge to those in difficulty. They also gained a comprehensive understanding of the living conditions of left-behind children and children in need in rural areas, formed one-on-one paired assistance relationships with children and families in need, regularly followed up and implemented paired care and assistance measures, focused on solving practical problems, leveraged the vanguard posts of Party members and the construction of Party member positions, and formulated assistance plans and assistance records for families and children in need, to effectively enhance the public's sense of well-being and fulfillment.



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Case **Xiaoli Toll Station Conducted Traffic Safety Volunteer Service Activities on Campus**

In June 2025, in order to assist the construction of a "safe campus" and enhance the traffic safety awareness and emergency self-protection ability of primary school students, Xiaoli Toll Station conducted the theme education activity of "Traffic Safety Enters the Classroom". Party Members from the toll station went into the school and explained knowledge such as safely crossing the road, recognizing traffic signals, and avoiding vehicle blind spots by combination of animated videos and practical cases. They also demonstrated key points such as the correct use of seat belts and safe bus ride. In an entertaining and educational format, the activity incorporated scenario simulations and interactive games to reinforce the learned knowledge. *Emergency First Aid Knowledge Manuals* were also distributed on-site to help students master basic self-rescue skills.



Case **Changqing Toll Station Responded to Call to Carry Out Volunteer Blood Donation Activity**

On March 13, 2025, the Party Branch of Changqing Toll Station, in conjunction with the Party Branch of the Jihe Operation and Management Centre Headquarters, organized a voluntary blood donation activity. Young volunteers went to the blood donation center in Changqing University Town, actively participating in platelet donation and assisting with on-site guidance, information registration, temperature checks, and other volunteer services. Through these practical actions, they exemplified the spirit of Lei Feng in the new era, making positive contribution to ensuring clinical blood supply and injecting solid "red energy" into the relay of life.



IV. UNITING EFFORTS AND MOVING FORWARD TOGETHER

Case **Changqing Toll Station Conducted Warmth Delivery Activity at the Nursing Home**

In October 2025, when the Double Ninth Festival was approaching, the Party Branch of Toll Station at Changqing University Town organized all Party Members and young volunteers to go to Ping An Nursing Home to carry out a themed Party Day activity entitled “Party Building Leads to Practice the Original Aspiration and Warms People’s Hearts by Respecting and Loving the Elderly,” bringing festive care and blessings to the elderly. During the activity, Party Members of the branch brought rice, noodles, oil and other gifts to the nursing home, and had detailed discussions with the staff to understand the daily life and physical condition of the elderly. Afterwards, the volunteers picked up the cleaning tools, diligently cleaned the courtyard and tidied up the public areas. Thanks to everyone’s concerted efforts, the environment of the nursing home has become cleaner and warmer.



IV. UNITING EFFORTS AND MOVING FORWARD TOGETHER

Case **Pingyin Toll Station Conducted Volunteer Service Activities for Assisting College Entrance Examination**

On June 7, 2025, Party Branch of the Pingyin Toll Station organized its members and youth volunteers to conduct a volunteer service activity for assisting College Entrance Examination at the College Entrance Examination site in Pingyin County, providing warm and thoughtful service guarantee to the examinees. At the activity site, volunteers set up tents and a volunteer service station, distributing heatstroke prevention supplies such as drinking water, emergency medicines, and cooling fans to examinees and their parents. They also actively assisted in maintaining order around the examination site, striving to create a stable and orderly examination environment for the examinees. During the examination, volunteers proactively communicated with parents waiting outside, alleviating their anxiety and reminding them to obtain information about the college entrance examination through official channels to avoid the risk of enrollment fraud.



3.2 Jointly Building a Harmonious Community

Qilu Expressway fully leverages the key supporting role of expressway operation in the development of communities along its route. By activating traffic flow and driving regional agriculture, it transforms the expressway network into a development link connecting urban and rural areas and promoting win-win cooperation. It also proactively reaches out to communities and schools along the route to carry out various forms of safety knowledge popularization activities, earnestly fulfilling its social responsibility and driving the positive development of local communities.

IV. UNITING EFFORTS AND MOVING FORWARD TOGETHER

Case **Jihe Operation and Management Centre Adopted "Expressway + Agricultural Assistance" Model to Strengthen the Economic Ecology**

On April 11, 2025, Jihe Operation and Management Centre and Jinan Quanyun Hongfan Ecological Agriculture Development Company (濟南市泉韻洪範生態農業發展公司) signed a "Expressway + Agricultural Assistance "cooperation agreement. Drivers and passengers can enjoy exclusive discounts on the purchase of agricultural products at the partner stores by presenting their electronic toll receipts issued within five days, thereby activating the driving effect of traffic flow on regional agriculture. Quanyun Hongfan Company promotes the branding and operation of agricultural products through a "company + cooperative + farmer" model, boosting agricultural efficiency and increasing farmers' income. Since the completion of the Jihe Expressway's "four-to-eight lane" widening project, its traffic capacity has been significantly enhanced, further strengthening the expressway's supporting role in the economic and social development along the route. To date, Jihe Operation and Management Centre has signed a total of 34 "Expressway +" cooperation agreements, covering various services such as tourism, accommodation, energy, and rescue, continuously expanding the roadside economic ecosystem.



The signing ceremony of the "Expressway + Agricultural Assistance" cooperation agreement of Jihe Operation and Management Centre

IV. UNITING EFFORTS AND MOVING FORWARD TOGETHER

Case **Qilu Expressway Helped Students Grow up Healthily**

On May 27, 2025, the Party Branch of Dongping Toll Station of the Jihe Operation and Management Centre, together with the Party Branches of Jihe Road Management Center and Jihe Maintenance Center, jointly carried out a themed Party Day activity entitled "Party Building Leads to Nurturing Children's Hearts, Protects Their Growth, and Builds the Future," organizing Party Member representatives to visit Foshan Primary School in Dongping County. During the activity which is framed as "education assistance + safety + practice," the Party Members explained traffic safety knowledge through scenario simulations and conducted practical training in drowning prevention skills to improve students' emergency self-rescue abilities by acting as "safety instructors". Simultaneously, Party members also guided traffic around the campus to maintain the order of commuting to and from school, and strengthened the campus safety defense line with practical actions.



Party Members and cadres distribute "red growth gift packages" to students

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Indicators	Details	Corresponding section
Mandatory Disclosure Indicators		
Governance Structure		
A disclosure of the board's oversight of ESG issues.		ESG Governance
The board's ESG management approach and strategy, including the process used to evaluate, prioritise and manage material ESG-related issues (including risks to the issuer's businesses).		ESG Governance
How the board reviews progress made against ESG-related goals and targets with an explanation of how they relate to the issuer's businesses.		ESG Governance
Reporting Boundary		
A narrative explaining the reporting boundaries of the ESG report and describing the process used to identify which entities or operations are included in the ESG report. If there is a change in the scope, the issuer should explain the difference and reason for the change.		About This Report
"Comply or Explain" indicators		
A. Environmental		
Aspect A1: Emissions		
General Disclosure		
A1.1	The types of emissions and respective emissions data.	Strengthening the Development of Low-carbon Operation
A1.3	Total hazardous waste produced (in tonnes) and, where appropriate, intensity (e.g. per unit of production volume, per facility).	Strengthening the Development of Low-carbon Operation
A1.4	Total non-hazardous waste produced (in tonnes) and, where appropriate, intensity (e.g. per unit of production volume, per facility).	Strengthening the Development of Low-carbon Operation
A1.5	Description of emission target(s) set and steps taken to achieve them.	Coping with Climate Change
A1.6	Description of how hazardous and nonhazardous wastes are handled, and a description of reduction target(s) set and steps taken to achieve them.	Strengthening the Development of Low-carbon Operation

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Indicators	Details	Corresponding section
Aspect A2: Use of Resources		
General Disclosure		
A2.1	Direct and/or indirect energy consumption by type (e.g. electricity, gas or oil) in total (kWh in '000s) and intensity (e.g. per unit of production volume, per facility).	Strengthening the Development of Low-carbon Operation
A2.2	Water consumption in total and intensity (e.g. per unit of production volume, per facility).	Strengthening the Development of Low-carbon Operation
A2.3	Description of energy use efficiency target(s) set and steps taken to achieve them.	Strengthening the Development of Low-carbon Operation
A2.4	Description of whether there is any issue in sourcing water that is fit for purpose, water efficiency target(s) set and steps taken to achieve them.	Strengthening the Development of Low-carbon Operation
A2.5	Total packaging material used for finished products (in tonnes) and, if applicable, with reference to per unit produced.	As the Group operates expressway business, there is no packaging material usage involved
Aspect A3: The Environment and Natural Resources		
General Disclosure		
A3.1	Description of the significant impacts of activities on the environment and natural resources and the actions taken to manage them.	Strengthening the Development of Low-carbon Operation

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Indicators	Details	Corresponding section
B. Social		
Aspect B1: Employment		
General Disclosure		
B1.1	Total workforce by gender, employment type (for example, full- or part-time), age group and geographical region.	People-oriented, Advancing Together
B1.2	Employee turnover rate by gender, age group and geographical region.	People-oriented, Advancing Together
Aspect B2: Health and Safety		
General Disclosure		
B2.1	Number and rate of work-related fatalities occurred in each of the past three years including the reporting year.	People-oriented, Advancing Together
B2.2	Lost days due to work injury.	People-oriented, Advancing Together
B2.3	Description of occupational health and safety measures adopted, and how they are implemented and monitored.	Operational Safety
Aspect B3: Development and Training		
General Disclosure		
B3.1	The percentage of employees trained by gender and employee category (e.g. senior management, middle management).	People-oriented, Advancing Together
B3.2	The average training hours completed per employee by gender and employee category.	People-oriented, Advancing Together
Aspect B4: Labour Standards		
General Disclosure		
B4.1	Description of measures to review employment practices to avoid child and forced labour.	People-oriented, Advancing Together
B4.2	Description of steps taken to eliminate such practices when discovered.	People-oriented, Advancing Together

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Indicators	Details	Corresponding section
Aspect B5: Supply Chain Management		
General Disclosure		
B5.1	Number of suppliers by geographical region.	Building a Resilient Supply Chain
B5.2	Description of practices relating to engaging suppliers, number of suppliers where the practices are being implemented, and how they are implemented and monitored.	Building a Resilient Supply Chain
B5.3	Description of practices used to identify environmental and social risks along the supply chain, and how they are implemented and monitored.	Building a Resilient Supply Chain
B5.4	Description of practices used to promote environmentally preferable products and services when selecting suppliers, and how they are implemented and monitored.	Building a Resilient Supply Chain
Aspect B6: Product Responsibility		
General Disclosure		
B6.1	Percentage of total products sold or shipped subject to recalls for safety and health reasons.	As the Group operates expressway business, no products sold or shipped are subject to recalls for safety and health reasons.
B6.2	Number of products and service related complaints received and how they are dealt with.	Smooth Traffic Flow and High Quality, Safeguarding Voyage
B6.3	Description of practices relating to observing and protecting intellectual property rights.	Paving the Way for a Brilliant New Chapter
B6.4	Description of quality assurance process and recall procedures.	As the Group operates expressway business, no products sold or shipped are subject to recalls for safety and health reasons.
B6.5	Description of consumer data protection and privacy policies, and how they are implemented and monitored.	Smooth Traffic Flow and High Quality, Safeguarding Voyage

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Indicators	Details	Corresponding section
Aspect B7: Anti-corruption		
General Disclosure		
B7.1	Number of concluded legal cases regarding corrupt practices brought against the issuer or its employees during the reporting period and the outcomes of the cases.	Integrity, Legal Compliance and New Atmosphere Creating
B7.2	Description of preventive measures and whistleblowing procedures, and how they are implemented and monitored.	Integrity, Legal Compliance and New Atmosphere Creating
B7.3	Description of anti-corruption training provided to directors and staff.	Integrity, Legal Compliance and New Atmosphere Creating
Aspect B8: Community Investment		
General Disclosure		
B8.1	Focus areas of contribution (e.g. education, environmental concerns, labour needs, health, culture, sport).	Daring to Take on Social Volunteer Work
B8.2	Resources contributed (e.g. money or time) to the focus area.	Daring to Take on Social Volunteer Work

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CLIMATE-RELATED DISCLOSURE

Climate-Related Disclosure	Governance	Governance	Coping with Climate Change
	Strategy	Climate-related risks and opportunities	Coping with Climate Change
		Business model and value chain	Coping with Climate Change
		Strategy and decision-making	Coping with Climate Change
		Financial position, financial performance, and cash flow	/
		Climate resilience	Coping with Climate Change
		Financial impact of climate-related risks and opportunities	/
	Risk Management	Risk Management	Coping with Climate Change
	Indicators and Goals	Greenhouse gas emissions	Coping with Climate Change
		Climate-related transition risks	Coping with Climate Change
		Climate-related physical risks	Coping with Climate Change
		Climate-related opportunities	Coping with Climate Change
		Capital operation	/
		Internal carbon pricing	/
		Remuneration	/
		Industry indicators	/
		Climate-related goals	Coping with Climate Change
		Cross-industry and industry metrics applicability	/


齐鲁高速公路股份有限公司
QILU EXPRESSWAY COMPANY LIMITED