Contents

Preface

Part I Building up the Country and Regions to Actualize an Abundant Life that Extends to Future Generations

~ Creation of a Country Generating Diverse Synergies among Regions ~

Chapter 1 Current Conditions in Japan such as Declining Population

Section 1 Demographics of Japan

1 Japan’s Population Shift and Future Demographics

2 Total Fertility Rate and Women’s Employment

Section 2 The Affect of Population Decline on the Cities and Life in the Rural Areas

1 The Awareness of Citizens Regarding Population Decline

2 The Effects of Population Decline on the Cities and Daily Life in Rural Areas

Chapter 2 Building up the Country and Regions in a Society Amidst a Serious Population Decline

Section 1 The Flow of People, Goods, Money and Information

1 The Flow of People to Rural Areas (Residential Population) such as Migration to Rural Areas

2 The Flow of People (Interacting Population), Goods, Money and Information to Support the Local Districts

Section 2 Structured Community Development Tailored to the Needs of the Times

1 Benefits of “Compact” and “Networked”

2 Case Studies of “Compact” and “Networked”

3 Creation of a Country Generating Diverse Synergies among Regions

Part II Trend in MLIT Policies

Chapter 1 Initiatives towards Restoration and Reconstruction from the Great Eastern Japan Earthquake

Section 1 The Current Status and Measures towards Restoration and Reconstruction

Section 2 The Steady Recovery and Reconstruction of Infrastructures and Transportation

Section 3 Promoting Post-Disaster Town Reconstruction and Securing Stability of Residency

Section 4 Securing Local Public Transportation and Promoting Tourism

Section 5 Ensuring the Smooth Execution of Reconstruction Projects

Section 6 Reconstruction, Revitalization and Etc. of Fukushima

Section 7 Building Tsunami-resistant Communities by Learning from the Great East Japan Earthquake

Chapter 2 Deploying Land, Infrastructure, Transport and Tourism Administration Tailored to Urges of the Times

Section 1 Driving the Implementation of a National Land Policy Package

Section 2 Measures, etc. against Aging Social Infrastructures

Section 3 Driving the Social Infrastructure Development

Section 4 Promoting the Implementation of Transport Policy

1 Developing Policies Based on the Basic Act on Transport Policy

2 Reconstructing Local Public Transportation Networks

Section 5 Driving the Implementation of Ocean Policy (Oceanic State)

1 Driving the Basic Plan on Ocean Policy Steadily

2 Protecting Our Country’s Interests in Maritime Rights

Section 6 Protecting Territorial Land and Territorial Waters Firmly
Section 2  Realizing Comfortable Living

Section 8  Efficient, Prioritized Deployment of Measures

1  Automating, Streamlining and Upgrading Construction Production System Workflow-- 134
2  Assuring Public Works Quality and Fostering and Maintaining Bearers-- 134

Section 9  Forming a New Phase of Relationships between the Central and Local Governments and Private Sectors-- 136

Chapter 3  Realizing a Tourism Nation and Building a Beautiful Nation

Section 1  Trends in Tourism-- 139
1  Significance of a Tourism Nation-- 139
2  Tourism Now-- 139

Section 2  Approaches to Forging a Tourism Nation-- 141
1  Promoting Tourism in Time for the 2020 Tokyo Olympic and Paralympic Games-- 142
2  Approaches to Expanding Inbound Tourism Drastically-- 142
3  Fueling Japanese Travel with Eased Visa Requirements, etc.-- 142
4  Developing Attractive Tourism Areas Appealing to the Whole World-- 143

Section 3  Building a Beautiful Nation Blessed with Pleasing Landscapes, etc.-- 146
1  Pleasing Landscape Formation-- 147
2  Community Development Leveraging Nature and History-- 148

Section 4  Promoting Regional Revitalization

Section 1  Approaches to Regional Revitalization-- 150

Section 2  Promoting Measures Supporting Regional Revitalization-- 151
1  Efforts Directed at Augment Regional and Private Self-reliance and Discretion-- 151
2  General Endeavors to Build an Intensive Urban Structure-- 152
3  Urban Planning and Infrastructures Development Taking Advantage of Regional Characteristics-- 152
4  Self-Reliance and Revitalization of Wide-Area Blocks, and Formation of National Land-- 157
5  Promoting Regional Partnerships and Interaction-- 158
6  Securing Means of Regional Transport-- 159

Section 3  Promoting the Private Urban Development-- 160

Chapter 5  Creating a Comfortable Living Space

Section 1  Realizing Affluent Residential Living-- 166
1  Securing Stability of Residential Living and Advancing its Betterment-- 166
2  Supply and Utilization of Good Housing Land-- 171

Section 2  Realizing Comfortable Living Environments-- 172

Section 10  Policy Evaluations, Project Evaluations and Interactive Administration-- 136

Section 11  Approaches to Hosting Tokyo 2020 Olympic and Paralympic Games-- 137

Chapter 4  Promoting Regional Revitalization

Section 4  Promoting Localized Promotion Measures-- 162
1  Measures Directed at Heavy Snowfall Areas-- 162
2  Promoting Remote Islands Development-- 162
3  Promoting and Developing the Amami Islands and Ogasawara Islands-- 162
4  Promoting Peninsulas-- 162

Section 5  Promoting Comprehensive Development of Hokkaido-- 163
1  Promoting the Hokkaido Comprehensive Development Plan-- 163
2  Promoting Distinctive Regions and Cultures-- 165

Chapter 5  Creating a Comfortable Living Space

Section 2  Realizing Comfortable Living Environments-- 172

1  New Phase of Relationships between the Central and Local Governments-- 136
2  Driving Public-Private Partnerships, etc.-- 136

Section 10  Policy Evaluations, Project Evaluations and Interactive Administration-- 136

Section 11  Approaches to Hosting Tokyo 2020 Olympic and Paralympic Games-- 137

Chapter 3  Realizing a Tourism Nation and Building a Beautiful Nation

Section 1  Trends in Tourism-- 139
1  Significance of a Tourism Nation-- 139
2  Tourism Now-- 139

Section 2  Approaches to Forging a Tourism Nation-- 141
1  Promoting Tourism in Time for the 2020 Tokyo Olympic and Paralympic Games-- 142
2  Approaches to Expanding Inbound Tourism Drastically-- 142
3  Fueling Japanese Travel with Eased Visa Requirements, etc.-- 142
4  Developing Attractive Tourism Areas Appealing to the Whole World-- 143

Section 3  Building a Beautiful Nation Blessed with Pleasing Landscapes, etc.-- 146
1  Pleasing Landscape Formation-- 147
2  Community Development Leveraging Nature and History-- 148

Section 4  Promoting Regional Revitalization-- 150
1  Promoting Urban Development by Private Sectors-- 160
2  Approaching National Strategic Special Districts-- 162

Section 4  Promoting Localized Promotion Measures-- 162
1  Measures Directed at Heavy Snowfall Areas-- 162
2  Promoting Remote Islands Development-- 162
3  Promoting and Developing the Amami Islands and Ogasawara Islands-- 162
4  Promoting Peninsulas-- 162

Section 5  Promoting Comprehensive Development of Hokkaido-- 163
1  Promoting the Hokkaido Comprehensive Development Plan-- 163
2  Promoting Distinctive Regions and Cultures-- 165

Chapter 5  Creating a Comfortable Living Space

Section 2  Realizing Comfortable Living Environments-- 172

1  Developing City Parks and Forming a Good Urban Environment-- 172
2  Advancing Roads that Prioritize Pedestrians and Bicycle Riders-- 173

Section 3  Realizing Traffic with Enhanced Convenience-- 174
<table>
<thead>
<tr>
<th>Chapter 6  Building a Competitive Economic Society</th>
<th></th>
<th></th>
<th>Section 3  National land development that revives and preserves the natural environment</th>
<th>178</th>
</tr>
</thead>
<tbody>
<tr>
<td>Section 1 Constructing Traffic Networks</td>
<td>1 Constructing Highways</td>
<td>2 Constructing Arterial Railway Networks</td>
<td>3 Trends in Maritime Industries and Measures</td>
<td>196</td>
</tr>
<tr>
<td></td>
<td>2 Constructing Arterial Railway Networks</td>
<td>3 Constructing Aviation Networks</td>
<td>4 Trends in Air Transport Business and Measures</td>
<td>200</td>
</tr>
<tr>
<td></td>
<td>4 Facilitating Traffic Access to Airports</td>
<td></td>
<td>5 Trends in the Consigned Freight Forwarding Business and Measures</td>
<td>201</td>
</tr>
<tr>
<td>Section 2 Implementing Comprehensive and</td>
<td>1 Implementing Logistic Policies to Correspond with Deepening</td>
<td>1 Reactivating Industries</td>
<td>6 Trends in the Warehousing Business and Measures</td>
<td>201</td>
</tr>
<tr>
<td>Integrated Logistics Policies</td>
<td>Global Supply Chains</td>
<td>2 Measures Aimed at Building an Efficient and Sustainable</td>
<td>7 Trends in the Truck Terminal Business and Measures</td>
<td>201</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Logistics System in Japan</td>
<td>8 Trends in the Real Estate Business and Measures</td>
<td>201</td>
</tr>
<tr>
<td>Section 3 Reactivating Industries</td>
<td></td>
<td>9 Building a Sustainable Construction</td>
<td>9 Building a Sustainable Construction</td>
<td>205</td>
</tr>
<tr>
<td>Section 1 Trends in Railway Industries and</td>
<td>1 Trends in Railway Industries and Measures</td>
<td>2 Trends in Motor Truck Transport Business and Measures</td>
<td></td>
<td>-----</td>
</tr>
<tr>
<td>Measures</td>
<td></td>
<td>3 Secure Transportation Systems Resistant to Disasters</td>
<td>7 Safety measures for road traffic</td>
<td>248</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>8 Railway Transportation Safety Measures</td>
<td>242</td>
</tr>
<tr>
<td>Section 2 Natural Disaster Measures</td>
<td>1 Responding to Weather Disasters Getting More Serious</td>
<td>2 Shaping National Land that is Safe and Resilient to Disasters,</td>
<td>3 Safety Measures for Maritime Traffic</td>
<td>243</td>
</tr>
<tr>
<td></td>
<td>and Imminent Giant Earthquakes</td>
<td>Enhancing and Strengthening the Framework of Preparedness for</td>
<td>4 Air Traffic Safety Measures</td>
<td>246</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Crisis Management</td>
<td>5 Determining the Causes of Aircraft, Railway, and Marine Accidents/Serious Incidents and Preventing Recurrence</td>
<td>247</td>
</tr>
<tr>
<td></td>
<td></td>
<td>3 Secure Transportation Systems Resistant to Disasters</td>
<td>6 Support for Victims and Families of Public Transport Accidents</td>
<td>248</td>
</tr>
<tr>
<td>Section 3 Ensuring the Safety of Architecture</td>
<td>1 Building and improving the safety management system in public</td>
<td>2 Establishing a Response System for Accident Disasters</td>
<td>7 Safety measures for road traffic</td>
<td>248</td>
</tr>
<tr>
<td></td>
<td>transportation</td>
<td>3 Strengthening the Coast Guard System</td>
<td></td>
<td>-----</td>
</tr>
<tr>
<td>Section 4 Strengthening Safety Measures in the</td>
<td>1 Building and improving the safety management system in public</td>
<td>4 National Security and Protection of Citizen’s Lives and Assets</td>
<td></td>
<td>-----</td>
</tr>
<tr>
<td>Transport Sector</td>
<td>transportation</td>
<td>5 Infectious Disease Measures</td>
<td></td>
<td>-----</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Chapter 7  Building a Safe and Comfortable Society</th>
<th></th>
<th></th>
<th></th>
<th>-----</th>
</tr>
</thead>
<tbody>
<tr>
<td>Section 1 Realizing a Universal Society</td>
<td>1 Realizing Accessibility through a Universal Design Concept</td>
<td>2 Creating an Environment that Supports Child-rearing Under an Low Birthrate Society</td>
<td>3 Initiatives for preserving biodiversity</td>
<td>272</td>
</tr>
<tr>
<td></td>
<td>2 Creating an Environment that Supports Child-rearing Under an Low Birthrate Society</td>
<td>4 Creating rich and beautiful river environments</td>
<td>5 Greening port and harbor administration</td>
<td>275</td>
</tr>
<tr>
<td>Section 2 Natural Disaster Measures</td>
<td>1 Responding to Weather Disasters Getting More Serious</td>
<td>2 Shaping National Land that is Safe and Resilient to Disasters,</td>
<td>6 Greening roads and promoting natural environmental measures</td>
<td>276</td>
</tr>
<tr>
<td></td>
<td>and Imminent Giant Earthquakes</td>
<td>Enhancing and Strengthening the Framework of Preparedness for</td>
<td>7 Maintenance or Recovery of a Healthy Water Cycle</td>
<td>276</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Crisis Management</td>
<td></td>
<td>-----</td>
</tr>
<tr>
<td>Section 3 Ensuring the Safety of Architecture</td>
<td>1 Building and improving the safety management system in public</td>
<td>2 Establishing a Response System for Accident Disasters</td>
<td>3 Preserving and improving coastal environments</td>
<td>274</td>
</tr>
<tr>
<td></td>
<td>transportation</td>
<td>3 Strengthening the Coast Guard System</td>
<td></td>
<td>-----</td>
</tr>
<tr>
<td>Section 4 Strengthening Safety Measures in the</td>
<td>1 Building and improving the safety management system in public</td>
<td>4 National Security and Protection of Citizen’s Lives and Assets</td>
<td></td>
<td>-----</td>
</tr>
<tr>
<td>Transport Sector</td>
<td>transportation</td>
<td>5 Infectious Disease Measures</td>
<td></td>
<td>-----</td>
</tr>
</tbody>
</table>

| Chapter 8  Creating and Preserving a Beautiful and Healthy Environment |                                                                 |                                                                 |                                                                                     |-----|
| Section 1 Promoting Global Warming               | 1 Implementing Global Warming Countermeasures                   | 2 Promoting Global Warming Countermeasures (Mitigation Measures) | 3 Promotion of the Use of Renewable Energy                                         | 266 |
|                                                 | 2 Promoting Global Warming Countermeasures (Mitigation Measures) |                                                                 | 4 Promotion of Global Warming Countermeasures (Adaptation Measures)                 | 267 |
| Section 2 Promoting the creation of a recycling  | 1 Advancing recycling in construction                           | 2 Constructing a resource recycling logistics system             | 3 Recycling vehicles and marine vessels                                            | 270 |
| society                                         | 2 Constructing a resource recycling logistics system             |                                                                 |                                                                                     |-----|
|                                                 | 3 Recycling vehicles and marine vessels                         | 4 Efforts in Green Procurement                                   |                                                                                     |-----|
|                                                 |                                                                 | 5 Promoting the use of wooden building materials                 |                                                                                     |-----|

| Section 3 National land development that revives and preserves the natural environment |                                                                 |                                                                 |                                                                                     |-----|
| 1 Initiatives for preserving biodiversity       | 2 Creating rich and beautiful river environments                | 3 Preserving and improving coastal environments                  |                                                                                     |-----|
| 2 Creating rich and beautiful river environments | 4 Greening port and harbor administration                       | 5 Greening roads and promoting natural environmental measures    |                                                                                     |-----|

| Section 4 Maintenance or Recovery of a Healthy Water Cycle |                                                                 |                                                                 |                                                                                     |-----|
| 1 Responding to Weather Disasters Getting More Serious and Imminent Giant Earthquakes | 2 Shaping National Land that is Safe and Resilient to Disasters, Enhancing and Strengthening the Framework of Preparedness for Crisis | 3 Preserving and improving coastal environments | 4 Greening port and harbor administration | 5 Greening roads and promoting natural environmental measures | 7 Maintenance or Recovery of a Healthy Water Cycle | 276 |
Chapter 9 Strengthening International Expansion and Contributions

Section 1 Promoting the Export of Infrastructure

1. System .......................... 291
   1. Trends of the World Infrastructure Market ..... 291
   2. General Direction of Government Policy ..... 291
   3. Initiatives of the Ministry of Land, Infrastructure, Transport and Tourism ..... 292

Section 2 Promotion of International Cooperation and Negotiations

1. Promotion of International Cooperation and Negotiations .......................... 296
   1. Initiatives in the Field of Economic Partnerships .......................... 296
   2. Contributions to and Strategic Utilization of International Organizations .......................... 297
   3. Multilateral and Bilateral Initiatives in Individual Sectors .......................... 301

Section 3 Efforts for International Standardization

1. Efforts for International Standardization .......................... 305
   1. The Position of Technological Research and Development in Technology Policies and Comprehensive Promotion .......................... 313
   2. Promoting the Utilization and Adoption of New Technology for Public Works .......................... 315

Section 4 Technology Development for Construction Machinery and Mechanical Equipment .......................... 316

Section 5 Protecting the marine environment

1. Policies for environmental issues related to road traffic .......................... 283
2. Environmental measures for airports and surrounding areas .......................... 284
3. Countermeasures for Railway Noise .......................... 285
4. Countermeasures for urban heat islands .......................... 285
5. Countermeasures for sick building syndrome and soil contamination .......................... 285
6. Environmental measures in construction .......................... 286

Section 7 Observing, monitoring, and forecasting changes in the global environment

1. Observing and monitoring the global environment .......................... 286
2. Research and Prediction of the Global Environment .......................... 289
3. Promoting Global Mapping Project and the world geodetic network .......................... 290

Section 8 Improving living environments by preventing atmospheric and noise pollution

1. Policies for environmental issues related to road traffic .......................... 283
2. Environmental measures for airports and surrounding areas .......................... 284

Chapter 10 Utilizing ICT and Promoting Technology Research and Development

Section 1 Promoting Innovation in the Field of National Land and Transport Utilizing ICT

1. Promoting ITS .......................... 308
2. Realizing a Society that Utilizes Geospatial Information in a Sophisticated Manner .......................... 309
3. Realizing an Electronic Government .......................... 310
5. Sophisticated Water Management and Water Disaster Prevention Utilizing ICT .......................... 311
6. Use of Big Data .......................... 312

Section 2 Promoting the Research and Development of Technology .......................... 313
1. The Position of Technological Research and Development in Technology Policies and Comprehensive Promotion .......................... 313
2. Promoting the Utilization and Adoption of New Technology for Public Works .......................... 315

Section 3 Improving Construction Management Technology

1. Improving Costing Technology for Public Works .......................... 315
2. CIM and BIM Initiatives .......................... 315

Section 4 Technology Development for Construction Machinery and Mechanical Equipment .......................... 316

Column

- The Current Conditions of Vacant Housing and the Establishment of the “Act on Special Measures concerning the Promotion of Measures for Vacant Buildings, etc.” ........................................ 23
- Women Who Migrate ........................................ 47
- Regional Development Through Interaction Between Urban and Rural Areas ~ Connection Agreement Between Kawaba Village in Gunma and Setagaya Ward in Tokyo ........................................ 50
- The Expectations for the Opening of the Hokuriku Shinkansen (Bullet Train) ........................................ 61
- “Takuhai [Parcelage Delivery] Mate (Sagawa Mama)” ~ Work While Raising your Children! ........................................ 67
- “Tora Girl” (Truck Girl) ~ Towards More Active Participation by Women Truck Drivers ........................................ 68
- Co-Working, the New Way of Working ........................................ 71
- Utilizing Public Facilities and Public-Private Partnership (PFE) and Public-Private Partnership ........................................ 93
- Rebuilding a Ward Office Building on PRE in a Government-Private Alliance (Toshima Ward, Tokyo) ........................................ 96
Inauguration of the Priority “Michi-no-Eki” (roadside station) Program .......................................................... 101
Community Development in a Suburban Metropolitan Area (Effort at Toyoshikidai Housing Development in Kashiwa City) ........................................ 106
Examples of Enhanced Regional Vitality and Charms on Wide-Area Networking ............................................. 111
Public Construction Inquiry Desk ........................................ 119
Eruptions on Nishino-shima Island Stretch Borders of Territorial Waters .................................................... 132
Inbound Spending Grabs Attention ........................................ 140
Rejuvenating Waterborne Transportation in the Aqua Metropolis of Tokyo .................................................. 149
Realizing a Hydrogen Society in Hokkaido ......................... 164
Distribution Promotion/Utilization of Existing Housing ................................................................. 169
50th Anniversary of Tokaido Shinkansen .......................... 180
Business Jets Made More Convenient to Use at the Tokyo International Airport ....................................... 185

Amendment of “Sediment Disaster Prevention Act” .................................................................................. 221
Eruption of Ontake (Mt. Ontake) on September 27, 2014 and Response by Japan Meteorological Agency .......................................................... 224
The “Seacoast Law” was amended for the first time in 15 years, ............................................................... 227
MLIT’s Response to Heavy Snowfall ................................. 233
Efforts to Improve Functions of Disaster Prevention Application Software ................................................. 238
The launch of next-generation geostationary meteorological satellite “Himawari-8” and capturing the first images .................................................. 287
The Establishment of the Japan Overseas Infrastructure Investment Corporation for Transport & Urban Development (JOIN) ........................................ 295
Bridging Southeast Asia and the OECD - Contributions of the Ministry of Land, Infrastructure, Transport and Tourism .................................................. 298

※ Maps used in this white paper may not necessarily indicate Japanese territory comprehensively.