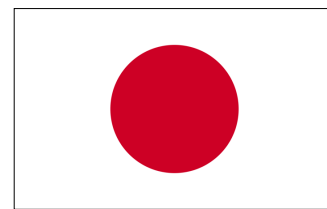




Agency for Restoration

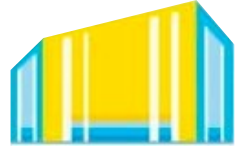


ORGANIZATIONAL FRAMEWORK



STATE ROAD AGENCY (UKRAVTODOR)

construction, repair, and maintenance of roads and bridges



STATE AGENCY OF INFRASTRUCTURE PROJECTS

building, reconstructing, and modernising infrastructure for aviation, maritime, and river transport



AGENCY FOR RESTORATION

Reliable partner for implementing significant nationwide restoration and construction projects



Central Office

190

Employees



24 Regional Services

1210

Employees

PROJECT MANAGEMENT UNIT

Capacity Building Office

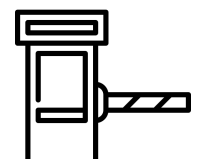
SCOPE OF RESPONSIBILITY



Key infrastructure initiatives



Transport infrastructure



Logistics and border control checkpoints



Frontline infrastructure



Restoration of war-torn **urban and rural communities**



Revitalization of **housing and social infrastructure**

ROADS OF UKRAINE

47 421,8 km

total length of national highways

3 950 km

destroyed or damaged since 24/02/2024

5 491 artificial structure

operated on highways of national importance

4 mil m²

elimination of emergency deformations of road surfaces

ROAD REPAIRS CONNECTING TO CHECKPOINTS

T-26-08



Storozhynets – ‘Krasnoilsk’ Checkpoint

T-26-07



Kitsman - Storozhynets - Hlyboka - Oprysheny (to ‘Porubne’ checkpoint)

PRIORITIES



artificial structures (destroyed and emergency)



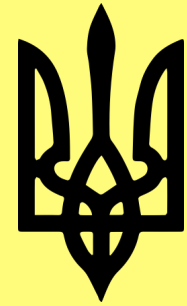
logistics routes (BCPs)



frontline roads

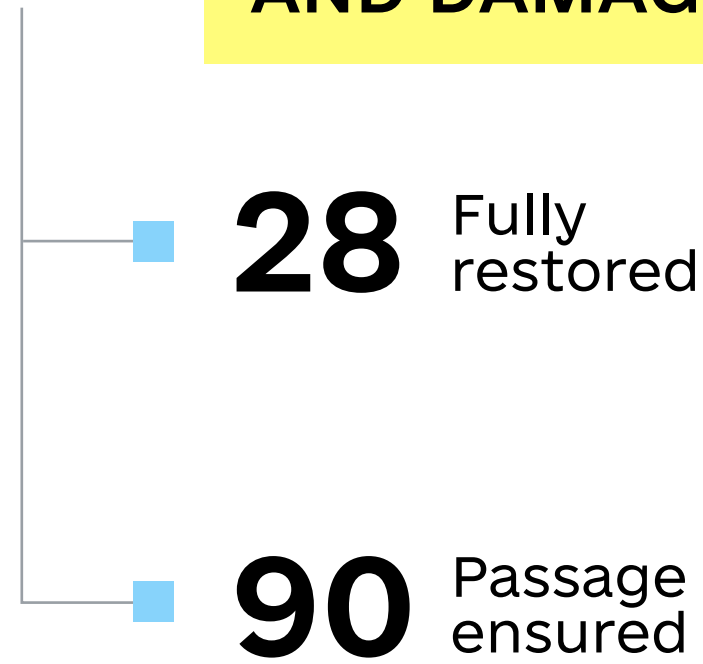
BRIDGES. FLYOVERS. OVERPASSES

154
Bridges **DESTROYED/DAMAGED**
due to the military aggression
of the Russian Federation



330
Bridges **REPAIRED**
during 2022-2023

118 **DESTROYED AND DAMAGED**



212 **IN A STATE OF EMERGENCY**
For export, military logistics, evacuation of the injured



PARTNERING COUNTRIES SUPPLYING ARTIFICIAL STRUCTURES



CRITICAL INFRASTRUCTURE. ENERGY OBJECTS PROTECTION

LEVEL II

PROTECTION FROM DRONES AND SHRAPNEL



14 regions

- 22 substations
- 63 substation components



Works are being carried out at 22 substations

12 ready ✓

Cost of work

250,6 mil USD



Fund for the Elimination of Consequences of Armed Aggression

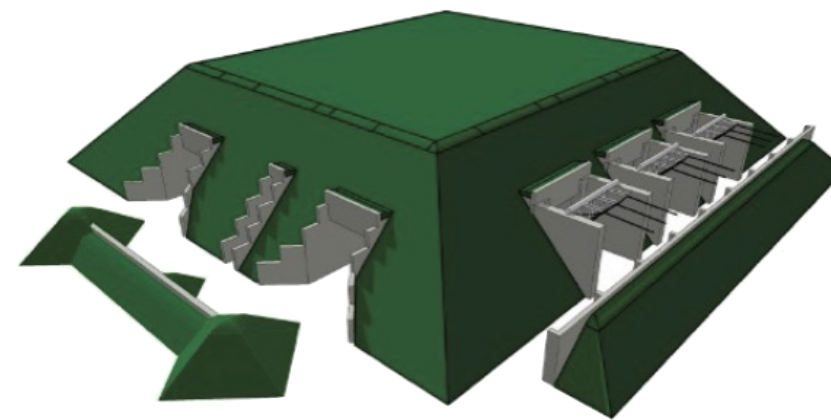
LEVEL III

PROTECTION FROM MISSILES



14 regions

- 22 substations



Works are being carried out at 22 substations

Cost of work

1,8 bil USD

Fund for the Elimination of Consequences of Armed Aggression

CRITICAL INFRASTRUCTURE: EXPERIMENT ON MISSILE DEFENCE SYSTEM EFFICIENCY (LEVEL III)

At a closed facility of Ukraine's National Academy of Sciences, a test was conducted on a structure model reduced to one-sixth its size. There were five explosions. The latest test was conducted on **January 30, 2024**



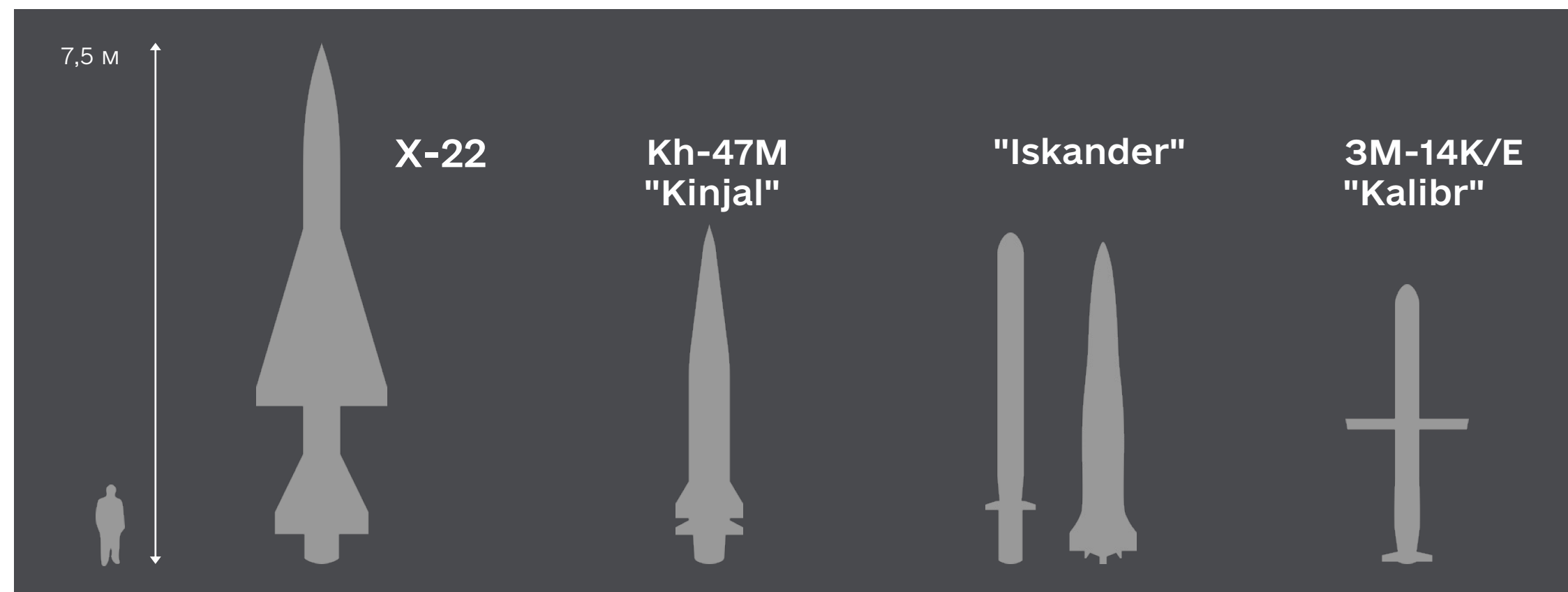
THE TRIAL INVOLVED REPRESENTATIVES FROM VARIOUS COUNTRIES



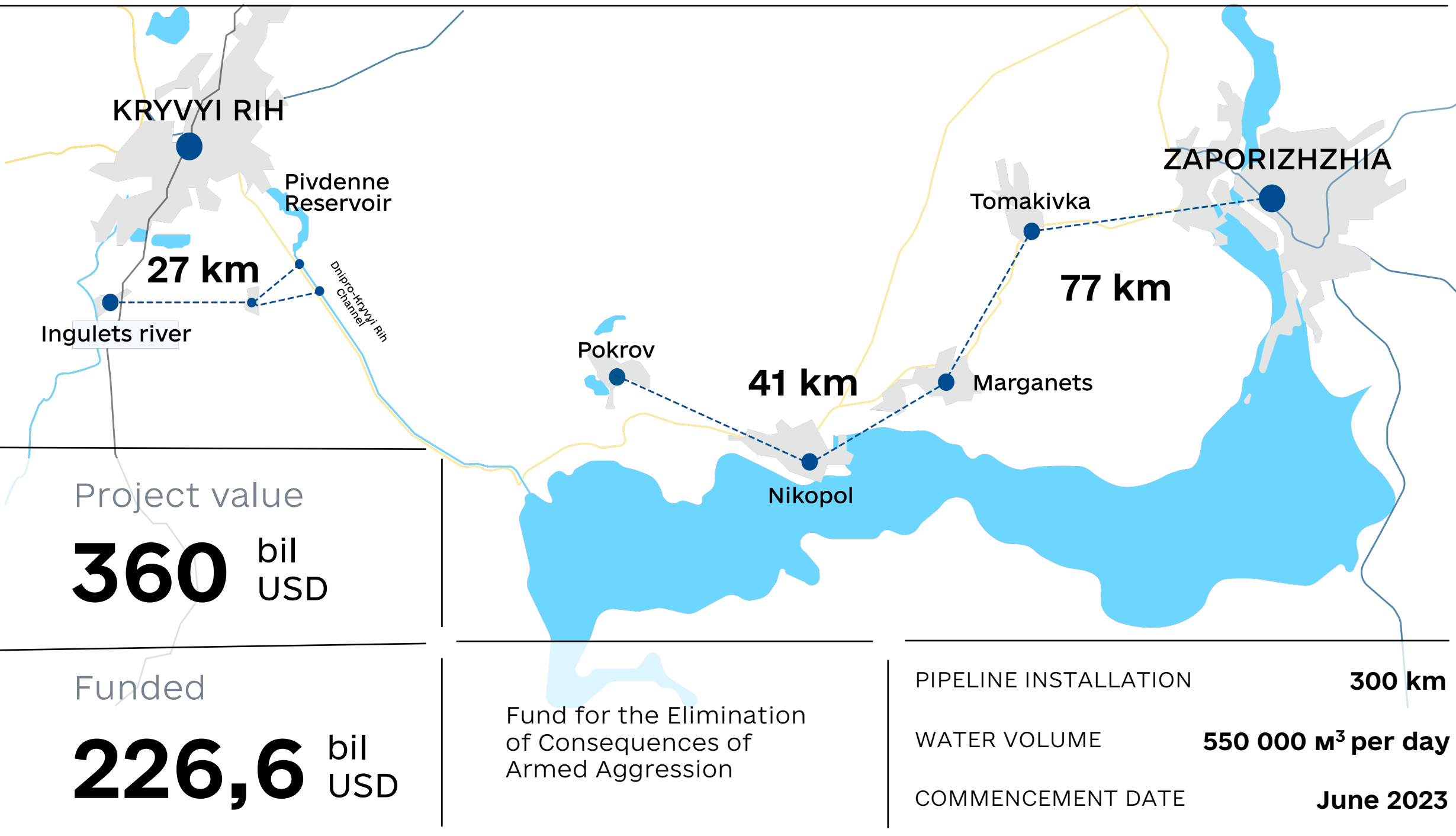
The experiment assessed the effects of major aerial attack weapons used by Russia, focusing on different types of missiles, including those launched from air, land, and sea

PRELIMINARY RESULTS

- Actual pressure and displacement values matched the calculations
- Explosive loads did not cause any cracks in columns or walls
- No primary or secondary fragments impacted transformer chambers, which remained undamaged
- The reinforced concrete structure over the main protective facility in the transformer chamber withstood the load



CRITICAL INFRASTRUCTURE. WATER MAIN CONSTRUCTION



FOR EACH SECTION OF THE PIPELINE

Engineering consulting and **independent technical supervision**

The comprehensive technical audit of the project documentation includes an evaluation of:

- **The quality** of the project's budget section
- **The rationality** of planned expenses
- **The volume** of water consumption



145 km

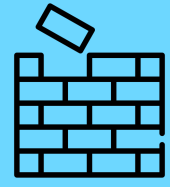
WATER PIPELINE

TO PROVIDE

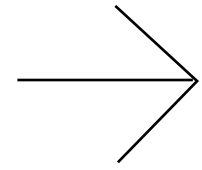
1,5 mil

people with drinking water

SOCIAL RECONSTRUCTION. WORK HAS COMMENCED



352
Objects



292 Housing



87
Tenders

31 Social Infrastructure

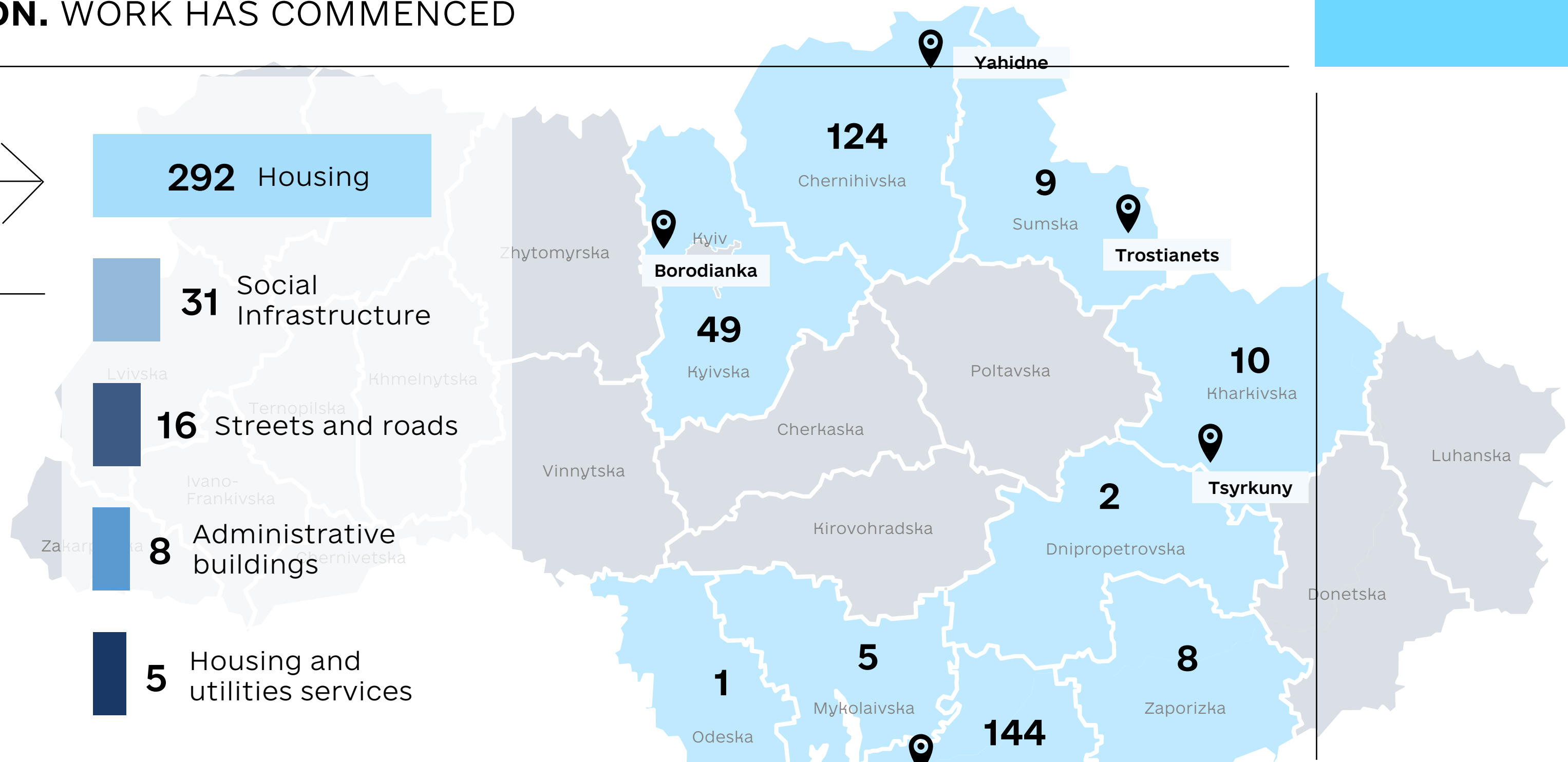


75
Contracts

16 Streets and roads

8 Administrative buildings

5 Housing and utilities services



Total contracts signed

101,3
mil USD



Fund for the Elimination of Consequences of Armed Aggression

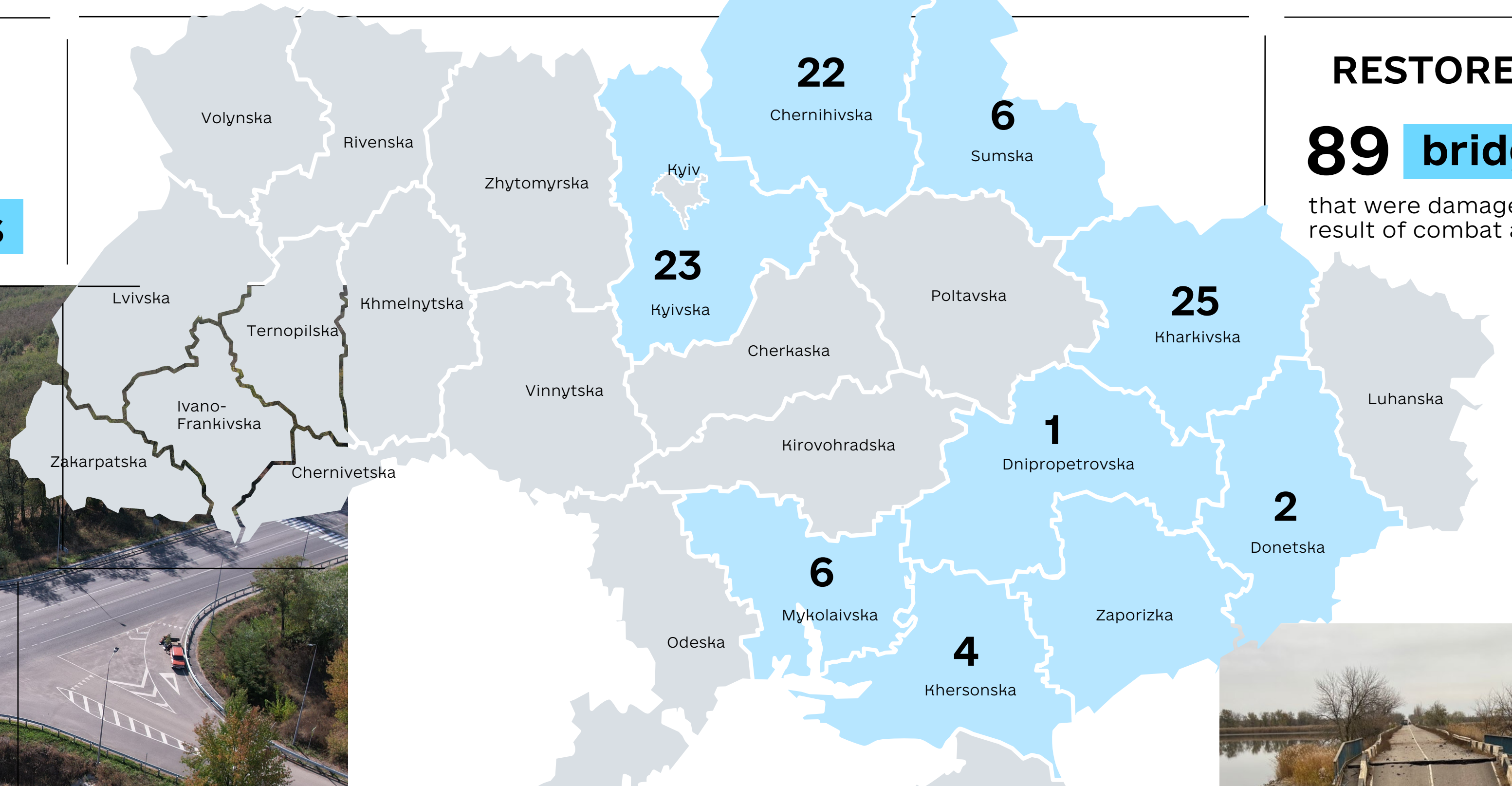
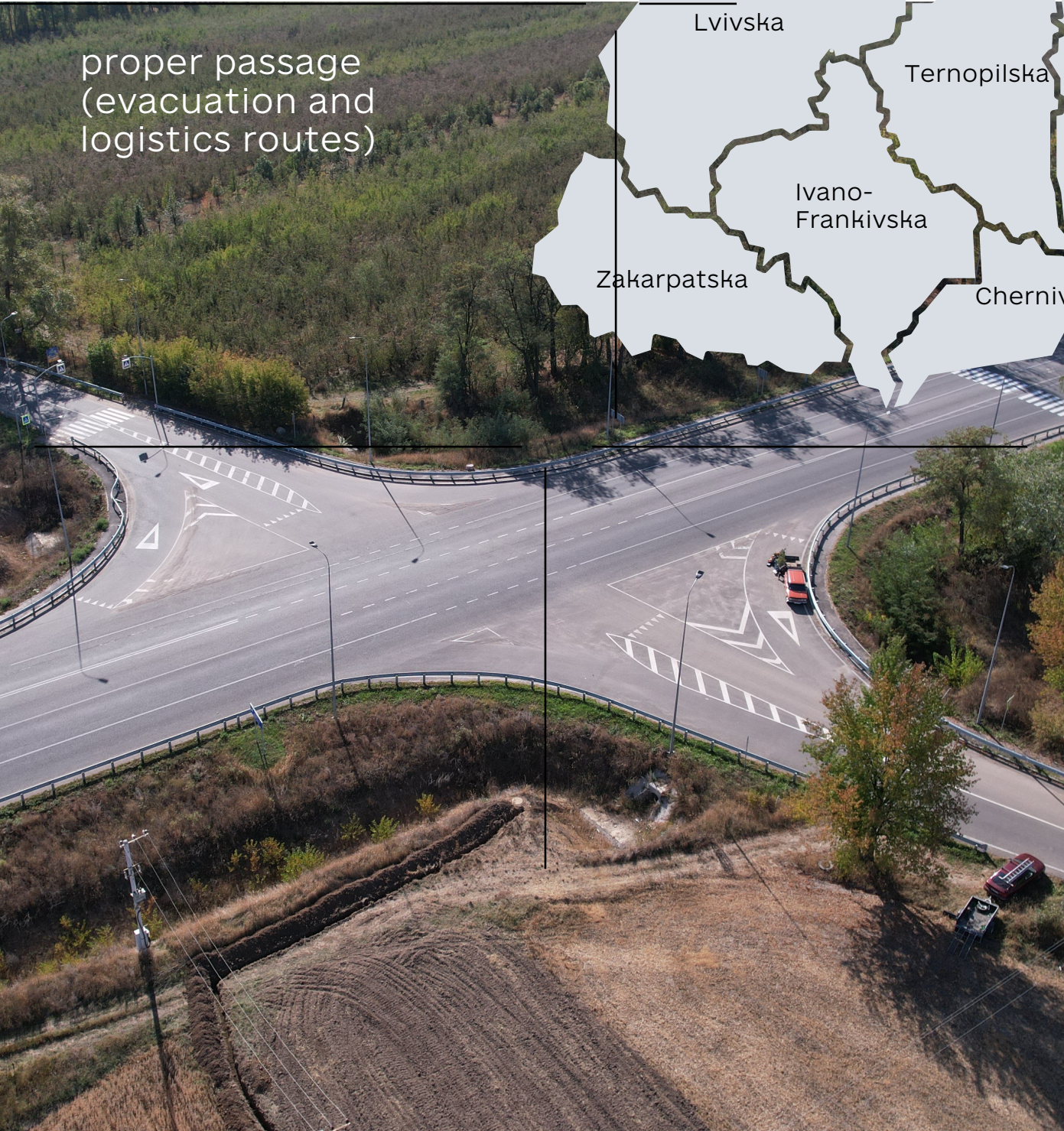
LOGISTICS: FRONT-LINE AND DE-OCCUPIED TERRITORIES

RESTORED

1 294

km of roads

proper passage
(evacuation and
logistics routes)



RESTORED

89 bridges

that were damaged as a
result of combat actions



PARTNERING COUNTRIES SUPPLYING ARTIFICIAL STRUCTURES



EXPORT/LOGISTICS. PROGRESS IN 5 MONTHS

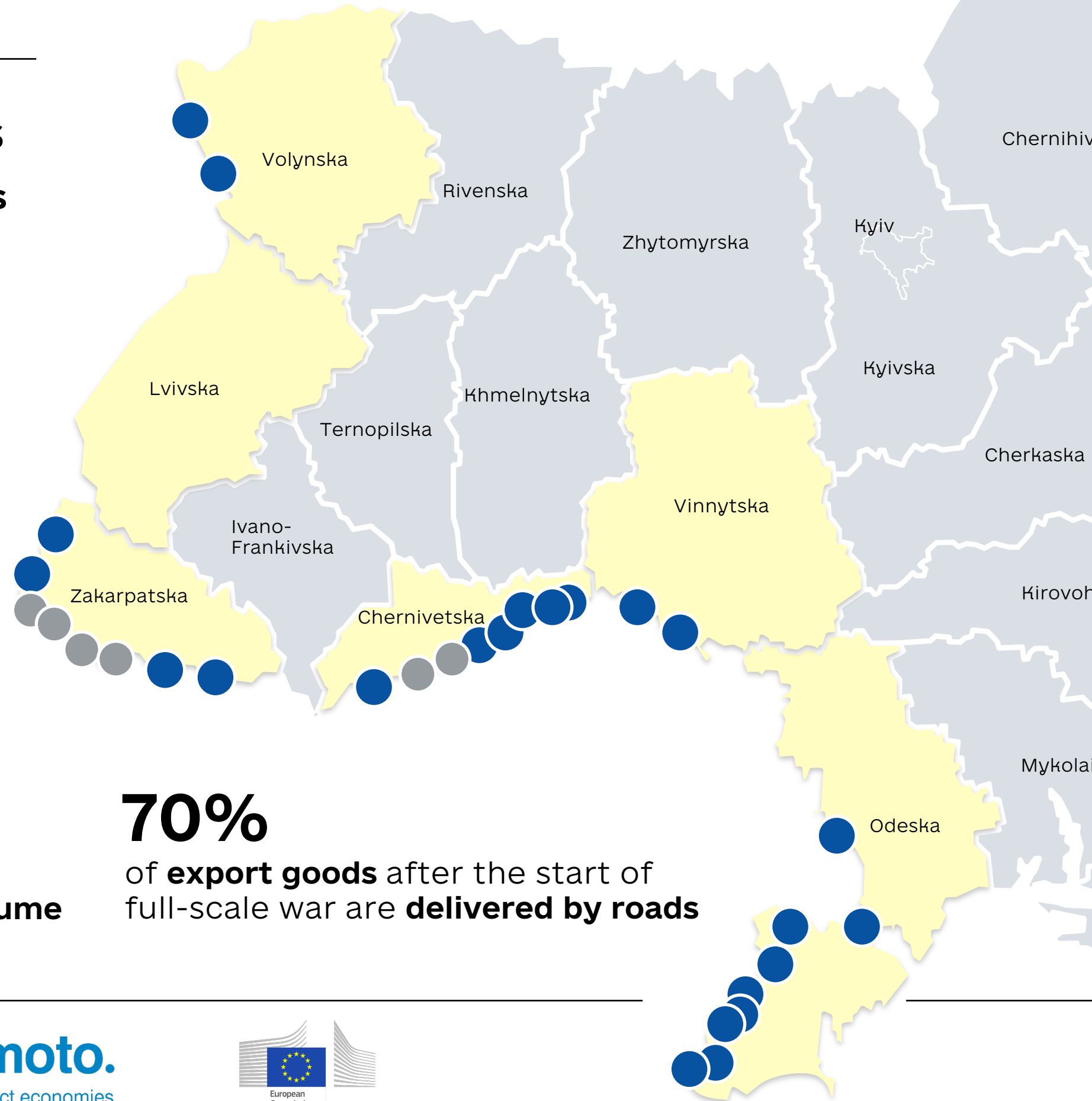
29 BCPs Fall within the Agency's jurisdiction

23 BCPs transferred from the state customs service

6 BCPs in the process of transfer

19 Contracts concluded for maintenance

11 BCPs repairs have begun



100 mil tones of the total **export volume**

70% of **export goods** after the start of full-scale war are **delivered by roads**

PARTNERS



Generators



Road signs, lighting, modular sanitation facilities, modular structures for customs and passport control



Design, expansion of checkpoints



Service areas, expansion of the road junction between Ukraine and Romania

PUBLIC PROCUREMENT

Adopted standardized procurement methodology for civil construction

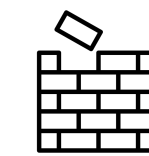


- Eliminated bias for fair company treatment
- Improved efficiency in contract execution
- All project budget documents fully disclosed
- Set unified contractor selection criteria

PROZORRO AWARDS 2023
FOR TRANSPARENT APPROACHES
TO RECOVERY PROCUREMENT



RECONSTRUCTION OF SOCIAL INFRASTRUCTURE AND HOUSING



Number of objects

251



Total sum of contracts

81,3 mil USD



Average number of bidders

2,9

twice others' state customers



Savings generated

↓ 6,93 mil USD

Adopted monitoring and analysis for procurement operations



- Expert verification of tender documents for unbiased criteria
- Assessing procurement efficiency, budget analysis, and method enhancement

Industry engagement: 20+ meetings

Kharkiv, Sumy, Odesa, Dnipro

- Launched industry consultations
- Engaged with more than 500 designers, builders, and engineering companies

Procurement Certification by the Royal Institute of Procurement & Supply (CIPS)



European Bank for Reconstruction and Development

- Performed a diagnostic of the procurement system
- Received a report and developed a plan for the next steps

DIGITALIZATION AND INNOVATIVE DEVELOPMENT

THE AGENCY SERVES AS THE TECHNICAL ADMINISTRATOR OF NATIONWIDE SYSTEMS



State Electronic Ecosystem: A unified digital route for all reconstruction projects



Electronic border crossing system



Regional Development Geoinformation System

GIS FOR REGIONAL DEVELOPMENT (ГІС РР)

A unified geoinformation database for collecting, processing, and visualizing information on roads and related structures

ROAD GEO-CALCULATOR KM

A unified tool including geospatial coordinates, length, and road maintenance details

WEIGH-IN-MOTION (WIM) SYSTEMS

- **52 operational units**
- **10 units restored**

E-ROAD

- Implemented a construction **monitoring module** for reconstruction projects
- Implemented a procurement **analysis module**
- Processed **11,000 user applications**
- Compiled a database of **329 scientific works**



ELECTRONIC DOCUMENT MANAGEMENT SYSTEM

Implemented in all Restoration Services

HEAVY VEHICLE PERMIT SYSTEM

for the transit of heavy and large-sized vehicles

AUTOMATED ELECTRONIC BRIDGE MANAGEMENT SYSTEM

Continuously updated with new data

VIDEO SURVEILLANCE AND ANALYTICS SYSTEM

Established a unified processing center

TRANSFORMATION ACTION PLAN

OPTIMIZING THE OPERATIONAL MODEL

- **Revise organizational structure**, enhance processes, and establish key performance indicators.
- **Implement control mechanisms** in line with EU Pillars and international standards.
- **Update internal regulations and policies**, execute legal compliance.
- Standardize the **reporting system**.
- Develop a **communication strategy**



Target: 12 months

TRANSFORMING AND REDUCING THE NUMBER OF SERVICES

- **Establish 4-6 regional services** out of 24
- **Create a standard operational model for services** structure, processes, controls, regulations, personnel, IT
- **Organize the transition of personnel** to consolidated services
- Propose **amendments to current legislation**



Target: 18 months

CENTRALIZED PROCUREMENT ORGANIZATION

- **Develop an operational model** structure, processes, controls, regulations, personnel, IT
- Set up a **separate legal entity**
- Organize **recruitment and staff development**
- Propose **amendments to digital legislation**
- Build **institutional capacity**



Target: 12-24 months

NEEDS: POSAD-POKROVSKE (KHERSONSKA OBLAST)



2024 PLANS

PRIVATE HOUSES:



280 private houses are planned to construct for 2024 with funds from the state budget



25 private houses are planned to construct with funds from international donors

2024 NEEDS

In addition,
more than

500 houses
need to be restored



Assistance required with

- Design documentation
- Construction materials
- Construction works financing (approximately **USD 39.7 million** for 500 houses)

NEEDS: VARVARIVSKYI BRIDGE IN MYKOLAIV

M-14

Odesa - Melitopol - Novoazovsk

connects virtually the entire southern region of Ukraine (5 oblasts) with the countries of the Balkan and Carpathian regions.

750,7 m

The length of the bridge together with the embankment **is about 2 km**

15,7 m

The width of the bridge (roadway - 10.5 m, two sidewalks 2.11 m each)

128,7 m

The length of the distribution part (the only horizontal distribution in the country, with a 90° turn on the central support)



PROBLEMS

The daily traffic intensity exceeds **30 thousand cars with 7 thousand** being heavy vehicles. The flyover span allows the movement of ships and vessels.

1. Following visual inspection, defects and damage to the pillars and span were identified.
2. The electrical part, motors, wiring systems, control systems require modernization.
3. Requires development of design documentation for reconstruction
4. A comprehensive inspection of the bridge is necessary.

NEEDS: INGUL BRIDGE IN MYKOLAIV

M-14

Odesa - Melitopol - Novoazovsk

connects virtually the entire southern region of Ukraine (5 oblasts) with the countries of the Balkan and Carpathian regions.

422 m

Length of the bridge

18,5 m

Bridge width (4 road lanes, two sidewalks 2.25 m wide).

55 m

The dimension that provides the span (60 m high) is controlled by hydraulic cylinders



PROBLEMS

1. Possible spontaneous operation of the lifting mechanism
2. The electrical part, motors, wiring systems, control systems requires modernization.
3. Requires a comprehensive inspection and development of a reconstruction design.

The traffic volume per day is **more than 30 thousand cars**, of which 7 thousand are heavy vehicles. The flyover span allows the movement of ships and vessels from Mykolaiv Shipyard.

NEEDS: DEVELOPMENT OF THE CHECKPOINT

29 BCPs

Fall within the Agency's jurisdiction



23 BCPs

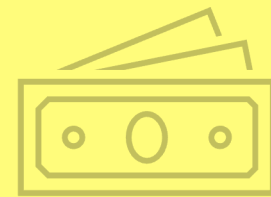
transferred from the state customs service



6 BCPs

in the process of transfer

The need for BCP development in 2024-2027



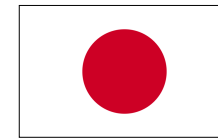
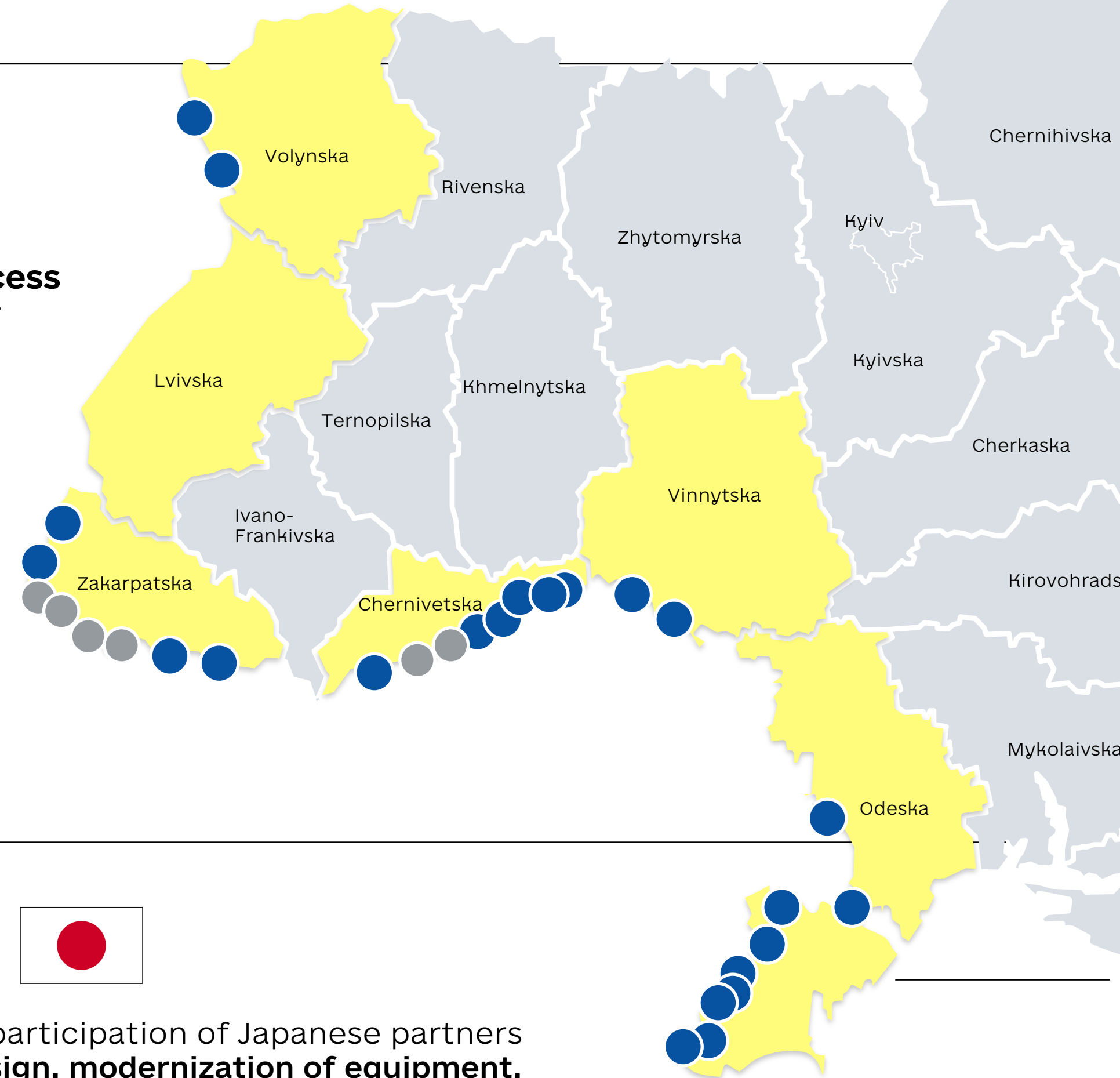
386,6
mil USD

100

mln tones of the total **export volume**

70%

of **export goods** after the start of full-scale war are **delivered by roads**



Possible participation of Japanese partners in the **design, modernization of equipment, reconstruction of checkpoint buildings**

ROAD OF THE FUTURE

AS A PART OF INTERNATIONAL ROUTE FROM LISBON TO KYIV

Construction of a new highway from the Dyida checkpoint (border with Hungary) to Kyiv (through Zakarpattia, Ivano-Frankivsk, Ternopil regions to the city of Pidvolochysk with access to M-30 and, in the future, M-05)

This road will be an alternative to the M-06 Kyiv-Chop highway, which will ensure the speed and reliability of logistics transportation.

730 km

Total length

200+

Transportation facilities

3

Tunnels in the Carpathian region

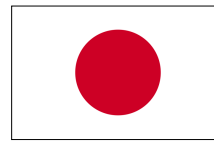
Category IB highway along the entire length

OBJECTIVE

Improving Ukraine's export capabilities and establishing efficient logistics with the EU



INTERNATIONAL ASSISTANCE



As part of the humanitarian aid from the Japan International Cooperation Agency (JICA), **4 sets of temporary bridges** are planned to be delivered.



- **2 bridges** are expected to be delivered in **November 2024**
- **2 sets of bridges** are planned to be delivered in **2025**

180 sq. m

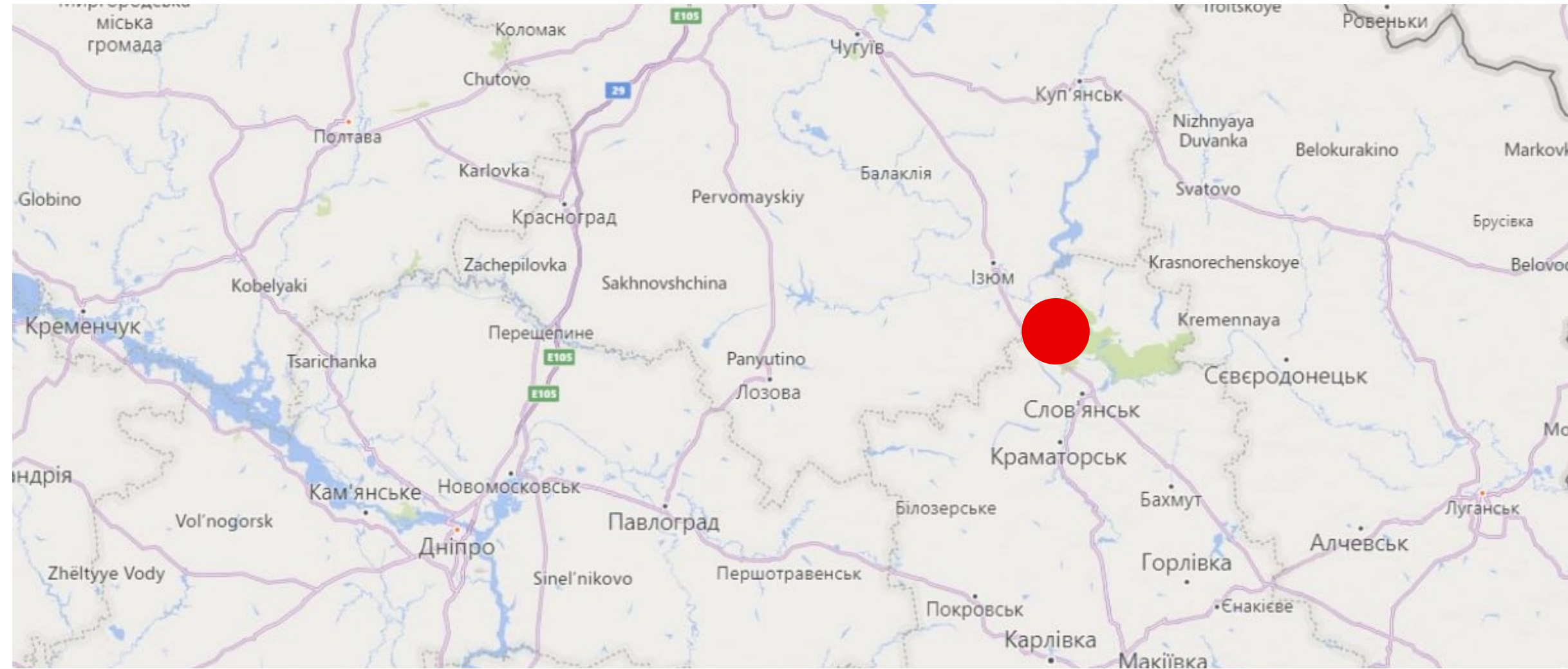
Total length
(span length 20 m x 9 spans)

10 m

Total length
(span length 20 m x 9 spans)

789.3 tons per 180 m

Total weight
(88.7 tons for 1 span of 20 meters)



2 bridges are planned to be installed in Donetsk Oblast on a public road of national importance (access to the city of Sviatohirsk).

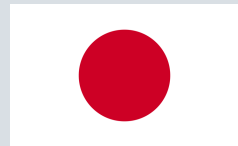
T-05-21 / M-03/

 **Agency
for Restoration**

 **MINISTRY FOR
RESTORATION**
Communities, Territories and
Infrastructure Development of Ukraine



#USAID_
Взаємодія



THANK YOU
FOR YOUR
SUPPORT

