TRANSSTROYPROJECT

Limited Liability Company

HIGH QUALITY
BRIDGES AND ROADS

TRANSSTROYPROJECT

Design of transport constructions

Dear friends, colleagues and partners!

The most important task of our professional design engineers is optimization of all project stages from designing, producing and building of constructions to their commissioning. It will make reducing of building cost possible in future.

We use the most modern 3D-designing technologies. Such approach allows us to reduce time of project development, minimize designing inaccuracies and thereby make final cost of the project lower.

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Automation of designing ensures labor productivity of design engineers and quality of project solutions at the same time.

Factories produce prefabricated blocks according to our technologies. Our constructions are assembled easily like LEGO bricks. Using metal spans, which have been designed by us, together with a well-developed project of work production make reducing of terms of man-made constructions building possible, which also contributes to reducing of expenditure.

Our staff includes both specialists with 40 years experience and young design engineers with «fresh look» at design methods, all projects are developed in their close collaboration. That fact contributes optimizing and perfecting all our projects.

«TRANSSTROYPROJECT» — the best combination of experience and innovations

Since 2008 we have designed more than 150 urban and regional constructions.

The main principals of our Institute are long-term collaboration, attention to details and high-quality service. We take care of our customers and make best offers on an individual basis. We set a high value on our customers confidence and submit all documentation just in time.

All works of TRANSSTROYPROJECT Ltd. are creative and reliable, elaborated and beneficial for our customers. Results of our work were highly appreciated by the president of the Republic of Kazakhstan and other well-known statesmen.

Road infrastructure is going to progress. Safety, durability, and also efficiency of transport infrastructure objects will depend on quality of their designing. Metal is a basis of such constructions. It is a severe and nonromantic material. But it is designed and built by professionals, which put their ardent hearts into their business. High quality bridges and roads aren't just words for us, but a permanent condition of our activity.

We are fond of our business and work professionally. We have everything for it: high level specialists, great experience, techniques and, devotion to our business, which is more important.

With regards,
General Director
TRANSSTROYPROJECT Ltd., Ph.D

Dmitry Kharlamov

OUR ACTIVITY

— TRANSPORT CONSTRUCTIONS

Road bridges, railway bridges, pedestrian bridges, flyovers, overpasses, overbridges.

One of the Institute's key competitions is design of bridges with steel spans.

— PORT INFRASTRUCTURE

— PREFABRICATED BUILDINGS USING METAL FRAMEWORKS

Warehouses, hangars, workshops, malls; entertainment, sports and logistic complexes.

— OTHER METAL STRUCTURES

Frameworks of glazing, acoustic screens, metal structures for automatic control systems of traffic (frames, poles, indicators etc.).

RESPONSE OF «MOSTOSTROY-12» LLC.:

«Our company is grateful to TRANSSTROYPROJECT LTD. for our long-term and mutually beneficial cooperation, for quick and quality work and for an individual approach to finding solution to difficult situations. We really appreciate business relationship between our companies and consider that TRANSSTROYPROJECT LTD. is our reliable partner in designing of transport constructions.»

RESPONSE OF «INTEGRA CONSTRUCTION KZ» LLC.:

«High proficiency of TRANSSTROYPROJECT LTD. specialists and using modern technologies of 3D-modelling and automation of formations of project documentation made it possible to design 2,5 km railway overpass less than per year. This overpass is the unique transport object of Astana, the capital of the Republic of Kazakhstan.»

RESPONSE OF JSC «IMSTALCON»:

«Technological Inspection of our metal work factory and assembling works, which are carried out there, have helped us reconstruct and modernize our workshops and equipment for manufacturing railway bridge spans.»

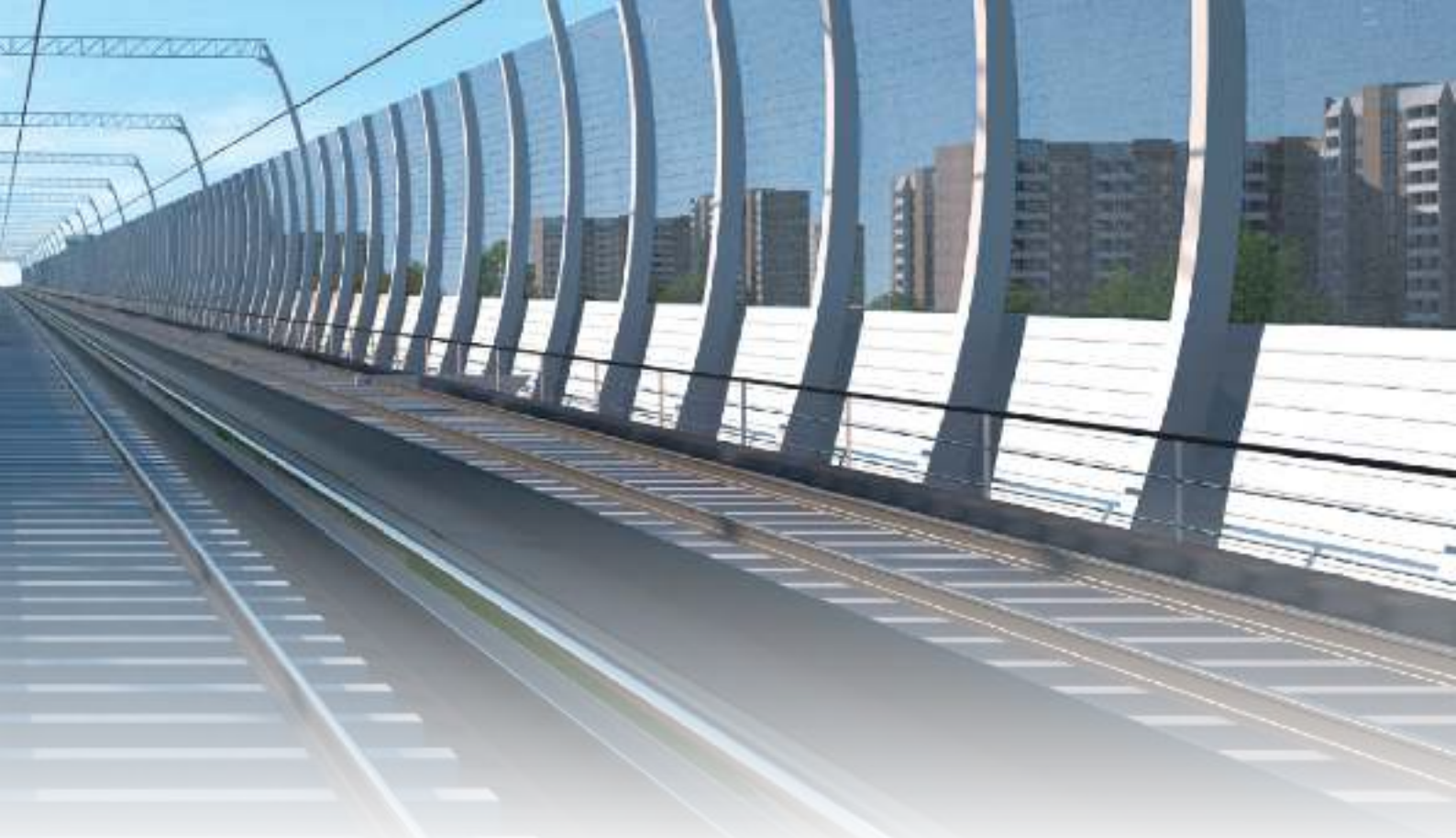
IT'S BENEFICIAL WITH US

YOU ECONOMIZE RIGHT NOW

- ✓ We reduce project cost by 20-30%
- ✓ We reduce building cost by 15%
- ✓ Metal structures consumption - up to 10% less
- ✓ We reduce the construction period by 10-15%

YOU WILL ECONOMIZE LATER

- ✓ The lifetime of metal structures is 80-100 years
- ✓ Their repairability is very high
- ✓ The cost of their servicing is low
- ✓ No issues are ever raised concerning their exploitation



THE REASONS WE ARE TRUSTED

— WE SUBMIT UNIQUE DRAFTS JUST IN TIME

All constructions drawings are detailed using 3D-technologies. Thanks to it, time and cost of project preparing are reduced.

— INDIVIDUAL APPROACH

We solve every problem as the most important. We examine each situation in detail and make cost-beneficial offers due to optimal solutions.

— USING 3D-MODELLING

Visual architectural advantages. You are be able to see how future constructions will look like, and assess if them meet your expectations at once. If it's necessary, we can make adjustments to the design specification before the beginning of design work, and at the same time you save your money and time.

— HIGH QUALITY

Constructions are always reliable, even if it is affordable.

— GUARANTEED RESULTS

According to the request of customers, we help with expertise ques-tions if you have any of them, we help absolutely free of charge.

PORTFOLIO / ROAD BRIDGES

THE MARAL BRIDGE OVER THE ISHIM RIVER, ASTANA

It is a city 7-spans beam bridge M-2 with a central continuous span and coastal ferroconcrete spans. The whole length — 362 m, width — 39 m (6 lanes). It is the first metal continuous span with slanting walls of main girders in Kazakhstan. Project and work documentation and special temporary constructions and devices have been developed. The metal structures for this bridge have been produced and installed for 4 months.

BRIDGE OVER THE URAL RIVER, BALYKSHI DISTRICT, ATYRAU

This bridge connects Europe and Asia. It is a unique scheme 63,3+120,0+63,3 m of a continuous span with box-liked longitudinal ribs of an orthotropic deck and slanting walls of main box girders. Full length is 246,6 m. Size Г-18 (G-18), two 2,25 m sidewalks. The whole width of the span is 23,5 m, at the same time its height is only 2,5 meters. The bridge has been built using a longitudinal sliding technology with help of a floating temporary support.

ROAD BRIDGE OVER THE URAL RIVER, ZHILGORODOK DISTRICT, ATYRAU

It is a bridge with a continuous metal span 63,3+120,0+63,3 m with box-liked longitudinal ribs of an orthotropic deck and slanting walls of main box girders. Full length is 246,6 m. Size Г-16 (G-16), without sidewalks. The whole width of the span is 17,0 m. Project and work documentation, special temporary constructions and devices have been developed. Design supervision and an acceptance examination and test of the bridge have been carried out.

BRIDGE OVER THE IRTYSH RIVER, PAVLODAR

It is a modern continuous metal span, designed by us, with slanting sides and 120 m central span has been produced at the factory and assembled according to a span longitudinal sliding technology using strut - framed beam. It allowed us not to use temporary piers and reduce cost of the building. Project and work documentation, special temporary constructions and devices, technical regulations for assembling and welding of the span have been developed. Time of building – 1,5 year.

BRIDGE OVER THE TURA RIVER, TYUMEN

The bridge meets ecological standards requirements. The main feature of the construction is a monitoring system. It monitors constructions condition and tension, and informs city services in real time. The whole length of the bridge – 340 m. The size of passage place — Г-9,5 (G-9,5)+1x2,25 m. Navigable size: width — 100 m, height — 10,5 m. The term of project realization — from June 2014 to December 2015.

ROAD BRIDGE OVER THE ESIL RIVER, KUIGENJAR VILLAGE

It is a metal all-welded road bridge. Its continuous span with orthotropic deck has variable cross section of stiffening girder's wall. It makes its appearance more elegant. The span is boltless with all-welded joints. Work documentation has been developed. Acceptance examinations and tests of the bridge have been carried out. The conclusion and the technical report have been handed.

FLYOVERS, OVERPASSES, OVERBRIDGES

OVERPASS AT THE ROAD INTERCHANGE NEAR SHORTANDY VILLAGE

It is a frame construction of the bridge. Main girders blocks are completely produced at the factory and ready for transportation elements. Its whole length — 76,2 m, width — 17,7 m, area — 1348,7 м². Project documentation of a metal frame continuous span (scheme — 15+44+15=76,2 m) with V-shaped metal piers has been developed. The height of a main girders walls – 1,36 m.

OVERPASS IN RYABINOVAYA STREET, MOSCOW

The main features of this flyover construction are metal continuous spans 38,3+53,3+63,0+53,0+38,0 with an orthotropic steel deck. The whole length is 246,1 m, the width of each span is 26,6 m. Joints are all-welded. Metal spans project has been developed. The overpass has been designed for short time thanks to high factory readiness. This project has been rewarded with a Diploma and a Memorable medal.

OVERPASS OVER THE ESIL RIVER AT THE ROAD INTERCHANGE IN TLENDIEVA STREET, ASTANA

The construction includes two bridges for different directions and a technological overpass under a heating main. Project and work documentation has been developed. Complex of engineering has been carried out. Metal parts of spans have been produced and assembled for record 4 months, at that the importance of this metropolitan object has been taken into consideration.

PEDESTRIAN BRIDGES

PEDESTRIAN BRIDGE OVER KASHIRSKOYE HIGHWAY TO «TORGOVY KVARTAL» MALL, DOMODEDOVO

The pedestrian bridge is a metal continuous span with orthotropic deck, whose length is 40 m. Full complex of engineering has been carried out. Erection joints of span blocks are all-welded. Glazing has been carried out using framework with monolithic polycarbonate. The bridge descent is a glazed monolithic ferroconcrete construction. Time of designing—2 months.

PEDESTRIAN BRIDGE AT 25 KM OF MOSCOW RING ROAD (MKAD) TO «VEGAS» MALL, MOSCOW

Metal continuous truss 49,3 + 46,7 m, without using joint plates. The whole length — 96 m. Г-6 (G-6) with monolithic ferroconcrete panel. Joints of panels and main bearing elements are friction using high-strength cylindrical M22 bolts. Project of metal spans and project of glazing of the bridge have been developed. Time of designing — 2 months.

PEDESTRIAN BRIDGES IN RYABINOVAYA STREET, MOSCOW

Projects of metal spans of 5 pedestrian bridges have been developed. Variety of spans schemes has been used. The project of their glazing has been developed according to the approved architectural look. New road objects make safety crossing a broad street possible, and also contribute to more comfortable movement of motorists.

RAILWAY BRIDGES

RAILWAY OVERPASS IN ASTANA

The opening of a new railway station in Astana took place on 1 June 2017. It was marked «new pride» of the city by the President N. Nazarbaev. A 2,5 km railway overpass with 3 lines has been designed to lead passenger trains to the railway station. Project and work documentation of metal railway spans and acoustic screens has been developed for less than a year. Variety of 3D-visualizations has been produced.

The weight of main metal structures of span is more than 27 thousands of tons. The spans are a continuous system of main box girders with variable height of a wall and an orthotropic deck with a ballast bed. Time of project realization — 3 years. The project has been rewarded with Diplomas and Appreciation letters.

RAILWAY BRIDGE OVER THE ILY RIVER

A railway road Zhetygen — Khorgos is a strategic important project, which is going to be a transport corridor between Europe and Asia. The length of the railway line is 293 km. Complex of engineering for a railway bridge has been carried out. Project and work documentation: project of works production, special temporary constructions and devices and technical assembling and welding regulation have been developed. The bridge meets all modern requirements. It is able to endure the weight of more than 7 tons cargoes taking into consideration that speed dynamic of trains is 100 km/h.

PORT INFRASTRUCTURE

DRAWBRIDGES. KURYK FERRY COMPLEX

Ferry complex's project capacity of 4 million tons of cargo a year focused on handling grain, petroleum products, fertilizers, chemicals and other goods in neighboring Caspian states.

The port has been built in order to increase the transit traffic and the export potential in a westerly direction through the Caspian Sea from China to Iran, Turkmenistan, Azerbaijan, Turkey and further to Europe, according to the "Silk Road Economic Belt".

The drawbridges allow ferryboats to be loaded with cars and variety of cargoes. Project of two drawbridges metal structures with mechanisms of its lifting and sinking has been designed for only 4 months.

Their 27 and 33-m spans work by means of a completely automatized lifting jacks system. The project has been rewarded with Diplomas and Appreciation letters.

VARIETY OF METAL STRUCTURES

FRAMEWORKS OF GLAZING

ACOUSTIC SCREENS

METAL STRUCTURES FOR AUTOMATIC CONTROL SYSTEMS OF TRAFFIC AND OTHERS

THEY TRUST US:

TRANSSTROYPROJECT — is a reliable partner
in designing of transport constructions

We will offer individual terms
and perform our work just in time

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