

≡ 2021 ≡

# 密山-图里罗格公路货运建议书

黑龙江省交通投资集团有限公司



## 疫情期间公路口岸运输现状

The current situation of highway port transportation during the NCP

根据目前全球疫情的发展情况，估计彻底解除很有可能需要1-2年时间，并且过境运输的卡车司机也已经出现了感染人员，防疫措施更加严格，使得原本拥堵的公路口岸更是雪上加霜。

想要改变这种情况，只能采用无接触式换装，也就是集装箱运输。

According to the current development of the global epidemic situation, it is estimated that it may take 1-2 years to completely eliminate it. The epidemic prevention measures have been stricter, due to some truck drivers in transit have already been infected, which making the originally congested highway ports even worse.

If you want to change this situation, you have to use non-contact dressing, that is, container transportation.

## В Приморье на границе с Китаем скопилось 360 машин

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**ВЛАДИВОСТОК, 14 мая - РИА Новости.** На границе с [Китаем](#) в [Приморье](#) скопилось 360 машин, из-за карантинных мер по коронавирусу китайская сторона пропускает с российской территории не более двух транспортных средств в час, сообщает пресс-служба Дальневосточного таможенного управления.

## 集装箱运输的优势

### Advantages of container transportation

- ◆ 集装箱作为国际化的运输工具，无论拖车、装卸工具都是国际统一标准化，作业效率高（港口能达到30箱/小时，每箱可装25吨货）；
- ◆ 密山-图里罗格公路口岸的货物无论粮食还是板材都适合集装箱运输；

□ Containers are internationally standardized means of transport. Both trailers and loading or unloading tools are internationally standardized and have high operating efficiency (the port can handle about 30 containers/ hour, and each container can hold 25 tons of cargo);

□ The goods at the Mishan-TuryRog highway port are suitable for container transportation, regardless of grain or plywood.



在场地堆存

正面吊装卸车

## 国门之间设置换装点

Set up a container replacement station between the two national gates



密山-图里罗格两个国门之间距离2公里左右；在两个国门之间设置集装箱换装站；中方进出密山境货物由中方车辆完成，俄方进出图里罗格境货物由俄方车辆完成。

The distance between the two national gates of Mishan-TuryRog is about 2 kilometers.

We plan to set up a container replacement station between the two national gates, then Chinese goods entering and leaving Mishan border are completed by Chinese vehicles, and Russian goods entering and leaving TuryRog are completed by Russian vehicles.

## 换装点位置选择—密山

The location of the container replacement station —Mishan



在密山国门处，设置一个集装箱海关监管临时堆放场地，投入一台正面吊作业；负责从中方集装箱拖车与无人驾驶车辆上装卸集装箱。At the State Gate of Mishan, set up a temporary container storage site which under the customs supervision and put in a frontal crane for container operation.

## 换装点位置选择—图里罗格

The location of the container replacement station —TuryRog



在图里罗格国门处，设置一个集装箱 海关监管临时堆放场地，投入一台正 面吊作业；。

At the New State Gate of Grodyekovo, set up a temporary container storage site which under the customs supervision and put in a frontal crane for container operation.

## 无人驾驶车辆—ICV Intelligent Connected Vehicle

ICV全称Intelligent Connected Vehicle，一汽解放的ICV就是专用于港口水平集装箱运输的智能网联汽车。这款ICV车辆采用了纯电驱动和无人驾驶系统，并不需要驾驶室，在20分钟便可充满电，可全面满足港口24小时高强度作业要求和可靠性保证，同时更加节能、环保。

The full name of ICV is Intelligent Connected Vehicle, and the ICV of FAW Jiefang is an intelligent connected vehicle dedicated to container transportation between ports. This ICV vehicle uses a pure electric drive and unmanned driving system. It does not require a cab and can be fully charged in 20 minutes. It can fully meet the 24-hour high-intensity operation requirements and reliability guarantee of the port, while being more energy-saving and environmentally friendly.



## 具体操作方式

### Specific operation method.

◆采用集装箱运输模式，人、车和货分离，人和车不过境，只是货物过境，双方采用车辆接力运输模式，俄罗斯境内由俄罗斯车辆运输，中国境内由中方车辆运输，双方在两国国门之间将集装箱从一台车吊装至另一台车，吊装时间不需2分钟就可完成，可以有效提高运输效率，并且实现货物无接触转移，人和车未过境，因此也不需要查验。

◆ 集装箱可以施海关关封，在国门之间2公里运输和换装时，只要保证关封完好无损，即可确认货物是安全的。

◆集装箱可以外观消毒，或者在海关监管场地放置几天待货物消毒后再拆箱。随车单据可以采用快递防水包装模式，封在集装箱箱门处，消毒后打开，用于清关。

✓In the container transportation mode, people, vehicles and goods are separated. People and vehicles will not cross the border , but only the goods transit. The two sides use the vehicle relay transportation mode. Russian vehicles are transported in Russia, and Chinese vehicles are transported in China. In the container replacement station ,lifting the container from one car to another,the lifting time can be completed in less than 2 minutes, which can effectively improve the transportation efficiency, and realize the contactless transfer of goods.And people and vehicles were not acrossed the border, so there is no need to do inspection.

✓Containers can be sealed by customs. When transporting and reloading within 2 kilometers between national gates, as long as the seal is intact, you can confirm that the goods are safe.

✓The container can be sterilized by appearance, or placed in the customs-supervised site for a few days, and then unpacked after the goods are sterilized. The on-board cargo documents can be used in the express waterproof packaging mode, sealed at the door of the container, opened after disinfection, and used for customs clearance.



## 需要解决的问题 Problem to be Solved

此方案所效仿的是国际海运模式，两国的集装箱换装区可视作为两国的集装箱码头，正面吊及其操作人员可视作为码头装卸工具及工人，两国在其境内使用的集装箱拖车可视作为集疏港的海关监管车辆，两国国门之间运行无人驾驶车辆可视作为国际航行船舶。参照此方式，需要考虑的问题如下：

- ◆ 中方车辆进入集装箱装卸区卸载空箱，装载重箱，但并未进入俄方边境，是否还需要对车、司机进行查验？
- ◆ 正面吊操作人员始终在集装箱装卸区作业，其应具备哪些资质？
- ◆ 在两个国门之间运行的无人驾驶车辆，如同国际航行船舶，往返于两国之间，但不进入两国的关内，应如何监管？

## 此方式的优势

### Advantages of this operation method

- ◆ 无论是密山还是图里罗格，都具备集装箱装卸和货物装箱的能力，换装的正面吊和集装箱都可以由交投集团提供，鼓励大家采用集装箱模式陆路运输。
  - ◆ 即使是疫情结束了，这个运输模式也能提高通关的效率，滨海一号汽运集港的方案也能实施。
  - ◆ 或者设置过度方案，安排几台车，是两国海关都认可的，就在两个国门之间运输，由两边政府担保的，不需要查验的就行，只要司机和车不查验，过货的速度就能提高。
  - ◆ 这个方式双方车辆在200公里运输范围内，都可以在本国实现当天往返，减少车辆等待时间，降低运输成本。
- ✓Both TuryRog and Mishan have the capacity for container loading and unloading and cargo packing. Reversible front cranes and containers can be provided by the Heilongjiang Transport Investment Group, which can encourage others to adopt the container mode of land transportation.
- ✓Even if the NCP is over, this mode of transportation can improve the efficiency of customs clearance, and the Auto Transport collection to Port by the primorsky No. 1 can be implemented.
- ✓And we have plan-B also, to arrange a few vehicles, which are approved by the customs of the two countries, and are transported between the two countries. The two governments guarantee that the two sides do not need to be inspected. As long as the driver and the vehicle are not inspected, the speed of passing goods can be increased.
- ✓In this way, both vehicles within 200 kilometers of transportation can achieve the same day round trip in their home country, reducing vehicle waiting time and reducing transportation costs.



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