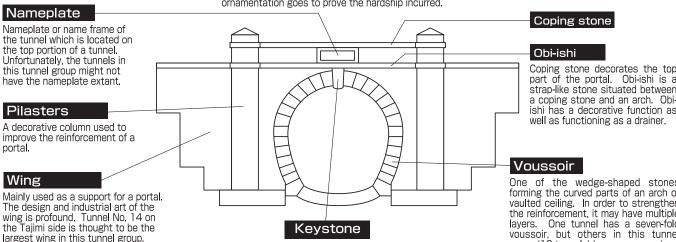


Tunnel entrance = a portal

*The only portion of the tunnel building which goes underground. Every possible decoration and ornamentation goes to prove the hardship incurred.



It is a wedge shaped main stone of an arch.

The keystone is the final stone to be installed in the arch, completing the portal work. The keystone is usually beautifully ornamented with characters and/or figures.

ishi has a decorative function as well as functioning as a drainer.

No.1 in the prefecture or Tokai area?

been printed on the member1s uniforms.

There are three large maple trees near tunnel No. 4 on the

Tajimi side. They are estimated to be around 100 years old

and are the greatest maple trees in the prefecture. These

maples trees have grown from buds on the tree stumps,

therefore, we expect them to live much longer. These maples

have been adopted as a symbol of the committee, and have

According to "first tree survey" conducted by the committee, over 500 trees comprising 50 varieties have been grown alongside the railway track bed over the last half century, and

many rare species have been observed. An environment

Coping stone

One of the wedge-shaped stones forming the curved parts of an arch or vaulted ceiling. In order to strengthen the reinforcement, it may have multiple layers. One tunnel has a seven-fold voussoir, but others in this tunnel group (13 tunnels) have no voussoir.

part of the portal. Obi-ishi is a

strap-like stone situated between a coping stone and an arch. Obi-

Types and Construction of the Tunnels.

The tunnels in this group are mountain tunnels having a horseshoe-shaped brick layered structure (Other tunnel types include a circular and a box shaped tunnel). Although there is a tunnel where only the portal is made of brick and the inside thereof is a rock wall, the tunnels in this tunnel group are constructed of a brick layer in the portal as well as internally. This exemplifies the excellent craftsmanship at the time of construction.

Tunnel No. 6 is unique in Japan?

Usually 4 to 5 folds of Voussoir are built in order to strengthen the reinforcement of the portal. Surprisingly, tunnel No.6 has 7 folds of voussoir to compensate for the weak geology, water leakage and collapsing bricks. From this we can imagine the hardships suffered by the craftsmen at the time. It is said that a 7-fold voussoir can be seen only in this tunnel group. The brick remnants due to repeated collapsing have been dumped on the riverside nearby Tunnel No. 6 on the Kasugai side.

English bond brickwork is firm!

British engineer, Edmund Morel who is recognized as the father of Japanese railways visited Japan in the early stage of the Meiji era, and instructed the Japanese Engineers on the technique of English bond brickworkt. The Atami, the Kanmon and the Tanna tunnels were built based on the rock-drilling technique taught by

track tunnel group and the natural trees can be found living together is rare in Japan. After thinning out the dense bush, such as bamboo grass, alongside the abandoned railway track bed, many wild flowers are beginning to grow in these areas with the benefit of direct sunlight. We look forward to seeing the result of the "second

where the abandoned railway

Nature Revival

1. Surveys on the Number of Tree	96
and Species Name	

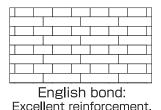
flower vegetation survey.

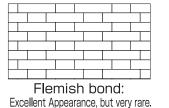
Number of trees (with number)	621
Number of trees having species name	605
Number of trees with unknown species name	16
Number of Variation	50 kinds

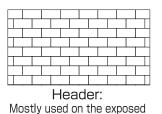
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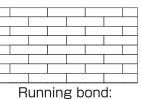
■Types of Brickwork







surface of a building.



Not used for a building.

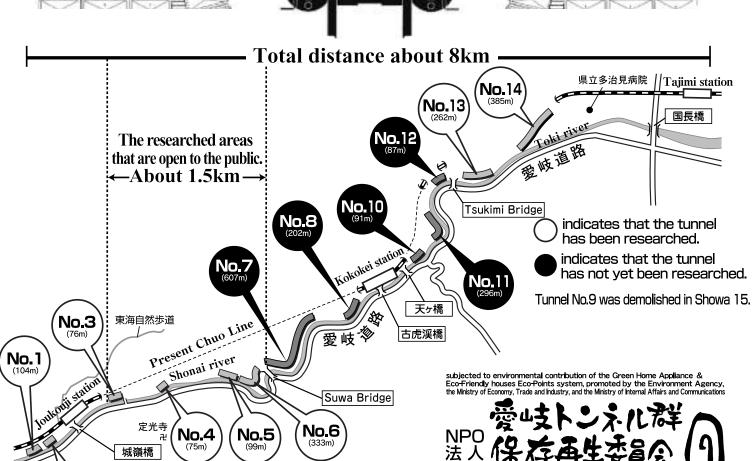
No.2

Former JNR Chuo(West) abandoned railway and tunnel group preservation and revival project



of the Opening of Chuo Line





The old Chuo Line tunnel group map

Address: Potos Kasugai (Editorial Office)

2-81, Toriimatsu-cho, Kasugai-shi, Aichi-ken, 486-0844

Tunnel Group and Abandoned railway track bed

he forcible beat of the steam locomotive used to echo along the Shonai riverside over 40 years ago. The abandoned railway track bed of the JNR Chuo West Line (from Shiojiri to Tokyo is Chuo East Line) alongside the Shonai River running through Kouzouji in Kasugai-shi, Aichi to Tajimi-shi, Gifu still remains.

his abandoned railway track was opened in 1900 and was in use until Showa 41 (1966) when an electric train was introduced following a new route with double-tracked electrification. Since then, this abandoned railway track has been forgotten by people and left under the steep cliff and the deep ravine of the Shonai river covered in thick brush.

here are 13 tunnels (there were 14 tunnels at the time of construction) along the 8km abandoned railway track bed between Kouzouji station and Tajimi station. Three years ago, the Preservation and Revival Committee was established with the intention of preserving this precious industrial heritage, a cultural asset of the country for future generations.

urrently, local exploration, examination, and preservation research has been advanced by the Committee with the understanding and good will of the landowner. As a result, about 1500m of abandoned railway track bed and tunnels (No. 3 to No. 6) have been awoken from years of sleep.

> The present Aigi tunnel

> > Ascending -

ver the past 40 years, many trees, such as hundreds of seedling maples, camellia, and wild wisteria, have grown alongside the abandoned railway track bed, and a natural forest of rich vegetation has been created. This area has been transformed into a rare area where modernization heritage and nature coexist.

n the committee, preservation of this precious historical heritage which our predecessors left, and the examination regarding re-utilization are carried out while advancing the maintenance of the heritage in order that we can leave this wonderful heritage to prosperity. Thus, we hope you will also join in the discussion over the utilization of this heritage.

Shonai river view

Excellent view. Joukou, ji is visible

Bamboo

grove bridge

grove

Tamano River

Iron fence

old rail for

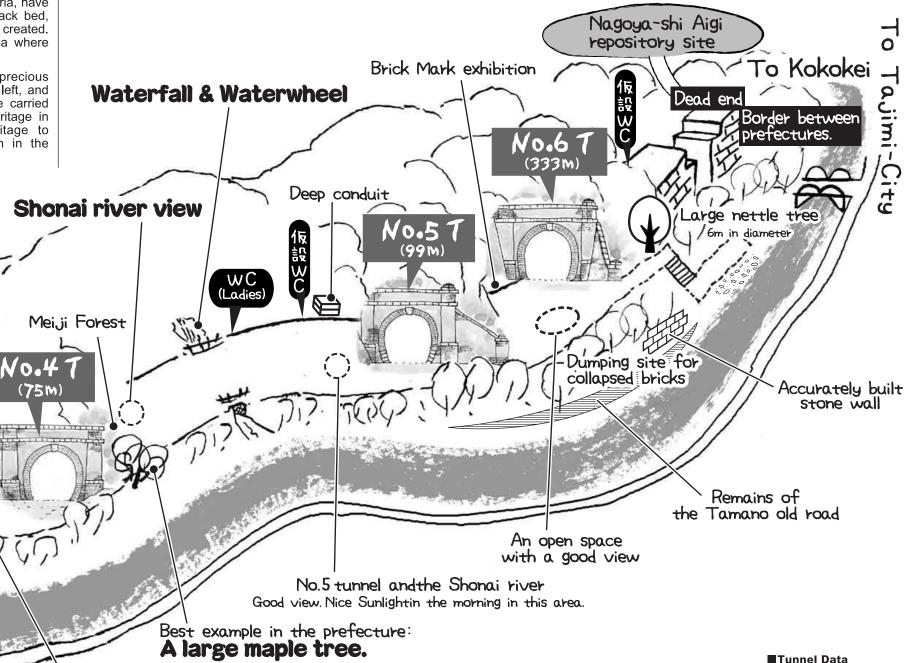
preventing

rockfalls

Dam

made of

Recovered Area Map



Alongside the railway are many trees. A winding small cherry tree and a maple tree shaped like a dragon

Remains of an iron bridge

当委員会HPは

トンネル群再生

検索 🔽

...... Working Groups in the Committee (regular meetings and group meetings are held once a month, respectively) •______

called a phantom Shijo-ohashi in Kyoto

A: Tunnel Structure Working Group

Shirogane bridge

●A survey on the quantity of used bricks, cracks and falling of masonry or the like. Subcommittee. Survey on brick marking

B: Abandoned Railway Track Bed and its Surrounding Area Working Group Create a ledger of vegetation and the vegetation characteristics. Creation and installation of name plates of the main trees. Mapping of the main trees

- ●Mapping any special feature of the abandoned railway track bed
- C: Tamano old road Working Group
- Survey of Masonry-work. Survey of any special features on the road

D: Public-relations and Planning Working Group

- Renewal of HP and event management / open-day management
 Management of National Trust Activities Creation of a pamphlet (open-day and National Trust)
- Reference Collection Working Group
- Taking photographs of the present condition of the main tunnels, the abandoned railway track bed, and its surrounding area. Preservation of said photos
- Documenting and collating historical data
- F: General Affairs and Project Working Group
- ●The monthly committee management, the schedule management.
- ■Research of "the sunlight lighting system in a tunnel"
- G: Line Maintenance Working Group(members of other groups may join this group)
 - Maintenance of the abandoned railway track bed including the Tamano old road and foot-path maintenance, bridge formation or the like

Tamano Old Way

Excavation of the Tamano way which was to go to Nagoya from Tajimi started in Meiji 24 with the voluntary contributions and investment of the citizens of Tajimi. People who desperately wanted for a flat road had great expectations regarding the Tamano way and named it the "Nagoya Shindo" In Meiji 28, the opening ceremony was held in Kokokei. However, the construction of the Chuo Line route began the following year, and the Nagoya Shindo was cut off at some locations. When the Chuo Line opened in Meiji 33, the Tamano way lay desolate.

With the opening of the Tamano way, a road toll "道銭" was introduced in order to recoup on investment. Recently, the road toll fees list "萬札 (price list)" and the official stamps were discovered, and it came to light that this "phantom old road" had a short-life of little more than one year.

玉野街 道民設 事務所

No. 8 No. 9 No. 10 No. 11 No. 12 No. 13 No. 14 **Total Tunnel**

No. 1

No. 2

No. 4

No. 5

No. 6

No. 7

Distance (n

104m

99m

333m

607m

202m

91m

296m

87m

262m

385m