



LIFE 15 IPE IT 013



CITTA' DI TORINO

LIFE PROJECT - PREPAIR

2nd MIDTERM CONFERENCE

REPORT

ACTION: AIR QUALITY AND
TRANSPORT





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ACTION: AIR QUALITY AND TRANSPORT

The mobility actions that the City of Turin will implement through the Life + PREPAIR project are as follows:

Action C 9.4: promotion of cycling through the study for the creation of a service of bike-station;

Action C 9.5: promotion of cycling through the creation of a geo-tracking tool and a “bike navigator”;

Action C 10: study of a demonstration action for the conversion of public transport vehicles from diesel to electric propulsion;

Action C 11.1: study for the rationalization of short-range freight logistics for the urban and peri-urban area;

Action E 1: information and awareness raising activities for project activities;

Action E 4: awareness raising activities on the use of electric vehicles (Regional Electric Mobility Day);

Action E 6: networking with other European and national projects on issues related to sustainable mobility.



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Action C 9.4: promotion of cycling through the study for the creation of a bike-station service.

BIKE-STATION

On June, the 21st, 2021 the City of Turin inaugurated the first bike-station with 100 bike-stalls at the Turin Porta Nuova railway station; it has access from Via Nizza n. 4.

The work was carried out by Grandi Stazioni Rail (FS Italiane Group) and cost € 350,000.00 of which € 40,000.00 contributed by the City of Turin from a loan from the Ministry of the Environment Policies as part of the "Torino Mobility Lab".

Inside there are 7 spaces for electric recharging bikes.

The cost is € 0.80/day or € 12.00/month and constitutes a first model experiment for the concession and management of a cycling station in Turin.

It is believed that the work is also an important step for the PREPAIR project, in which studies have been commissioned at the Politecnich of Turin on sustainability, open spaces, technological innovation, cycle intermodality and bicycles. , financed with specific approval of the City of Turin.

With the arrival of the new municipal administration, steps will be taken in the near future to evaluate the possibility of financing additional bike-stations in other contexts, including peripheral area.

For further information:

https://torino.repubblica.it/cronaca/2021/05/02/news/torino_a_porta_nuovaa_la_prima_stazione_per_bici-299040718/

<https://video.lastampa.it/torino/inaugurata-la-velostazione-di-porta-nuova-con-100-stalli/140621/140876>



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The new bike-station inside the Porta Nuova railway station



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IMPROVEMENT OF BIKE SHARING SERVICES

Since 2009, the City has entrusted the bike sharing service in its city territory to third parties.

The original concession, lasting 12 years, provided for the construction of n. 116 stations and the management of the service with n. 1160 bicycles.

Following the Memorandum of Understanding between the City of Turin, the Piedmont Region and the Turin West Area Territorial Pact, in 2011 the extension of the existing concession was approved with the expansion of further 58 stations.

In 2012 the extension of the objects of the TO-Bike service concession was again approved, with the expansion of a further 8 stations, further expanded in 2017 with 8 additional stations.

In total, the stations for the bike sharing service for Turin therefore amounted to 190 and the period of the concession, not modified, had the final deadline in October, the 12, 2021.

In July 2021, a powerful service restructuring plan was launched, which provides for the renewal of the Bike Sharing service, with a relaunch plan that envisages, compared to the 170 stations built, the reconfiguration of station distribution of the territory with the decommissioning of 70 stations, the total renovation of 100 stations with new anti-burglary columns, the completion of the installation of 20 new stations already planned and the inclusion of 1,100 new model bicycles, more robust and functional.

The existing concession will expire on 12/02/2023.

For further information:

<https://www.tobike.it/frmLeStazioni.aspx>



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A TO-Bike type bike-sharing station in Turin



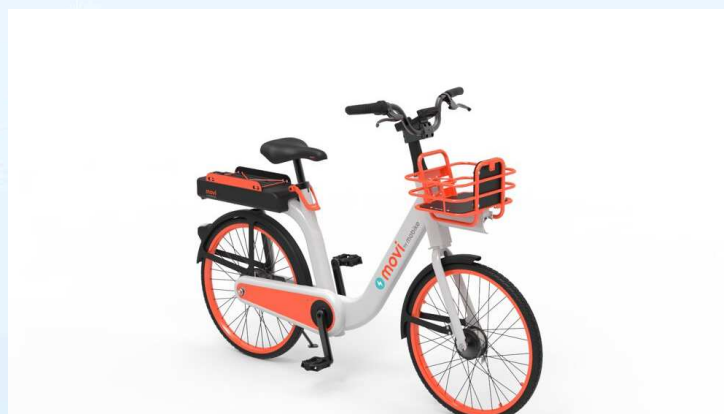
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ESTABLISHMENT OF ELECTRIC BIKE SHARING SERVICES

The City of Turin has recently established some free-flow e-bike-sharing services, such as MOVI by Mobike and Leasys, issuing multiple public use concessions in favor of electric charging stations.

As this is a newly established service and subject to expansion depending on the degree of user satisfaction, the relative quantification of the service will be reported in the near future.



An e-bike model of the Turin bike sharing service.



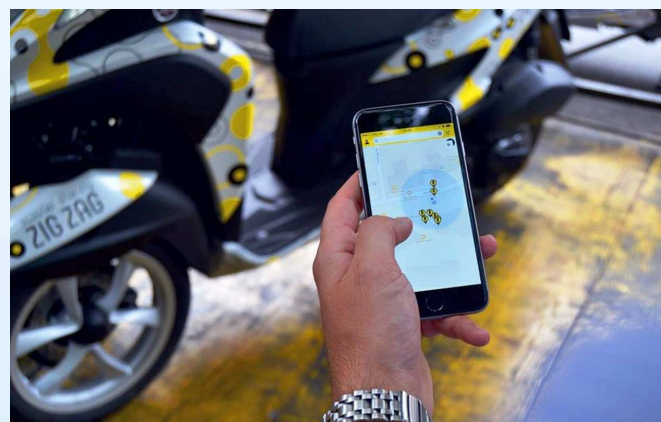
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ESTABLISHMENT OF SHARING SERVICES FOR ELECTRIC MOPEDS

In recent years, the City of Turin has set up free-flow sharing services also for electric mopeds, through agreements, concessions and the issue of authorizations in favor of public and private entities wishing to manage eco-mobility services with mopeds.

The issuance of qualifications is usually guaranteed with tax concessions, in particular in the form of COSAP reliefs for the occupation of public areas, even in central areas of the city.



Types of e-mopeds available in Turin.



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SHARING SCOOTERS

Starting from November 13th, 2019, the experimentation of electric micro-mobility was started in Turin and from December of the same year some private companies were authorized to activate services that allow electric scooters to be rented in different areas of the city.

The law 28 February 2020, n. 8, introduced, among other things, new provisions on the circulation of devices for electric micro-mobility and on atypical vehicles.

In the city it is possible to rent electric scooters using, after registration, the smartphone apps of the various companies that manage the services.

The managers of the sharing services of the shared scooters are the following:

Bird;
BIT Mobility;
Dott;
Helbiz;
Circ;
Lime;
Wind;
Link;
Voi;



For further informations:

Types of e-scooters available in Turin.

<http://www.comune.torino.it/torinogiovani/vivere-a-torino/sharing-di-monopattini-elettrici-a-torino>



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ENHANCEMENT OF CYCLE PATHS

The City of Turin has a total cycle network of 212 km, of which 27 km were built in the last 5 years.

To these will be added the projects currently underway financed with European / ministerial / regional and local funds for the development of a further 10 km c.a.

The main interventions are as follows:

1 - URBAN CYCLING DECREE

Completion and Maintenance of Cycle Paths - awaiting award - amount of work € 760,000.00 - estimated time in July 2022 location:

- corso Svizzera - one-way on both sides of the carriageway - length. overall about mt. 1,500;
- via Nole - bidirectional completion north side - length. overall about mt. 650;
- corso Lecce - one-way on the west side carriageway - length. total mt. 1,100;
- Corso Stati Uniti - one-way on both sides of the carriageway - length. overall about mt. 600;
- via Giordano Bruno - bidirectional completion on the east side - length. overall about mt. 1,200.

2 - REACT EU

Completion of protected cycle paths - corso Verona - pending approval of the Feasibility Project - amount of work € 710,000.00 – time: Before 2023 - location:

- corso Verona - one-way both sides on a green tree-lined quay - length. overall about mt. 1,000.



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3 - PINQUA

Vallette Area - Maintenance and completion of Cycle Routes - pending Fund allocation decree - amount of work € 970,000.00 - financing underway; location:

- corso Cincinnato - cycle and pedestrian path inside the tree-lined avenue - length. overall about mt. 1,650;
- via Pianezza - cycle path on quay / sidewalk - length. overall about mt. 650;
- viale delle Primule - cycle path on quay / sidewalk - length. overall about 800.

Source: Infrastructure and Mobility Division (architect Forgia L. and architect Massa M.T.)



A new stretch of cycle path in Turin



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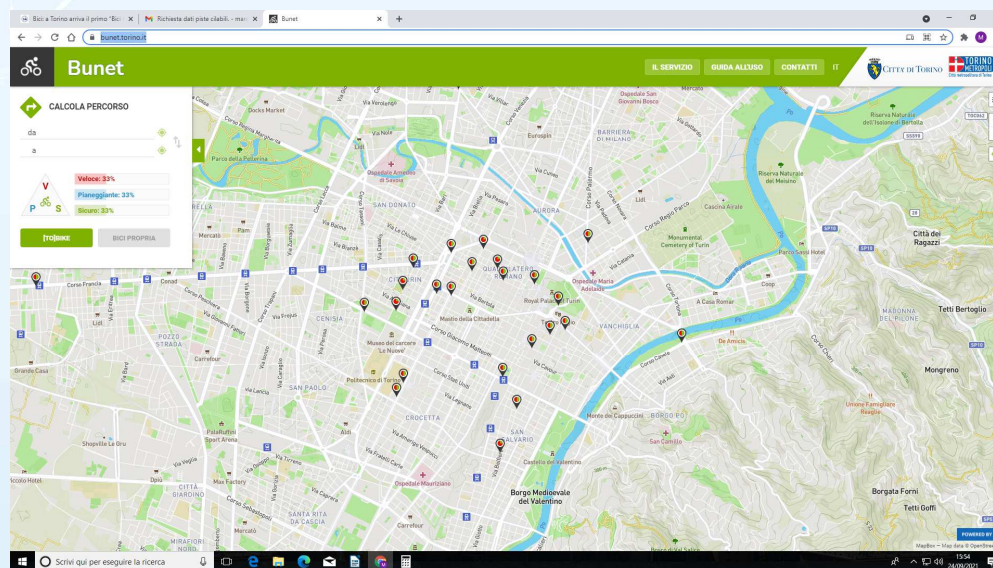
Action C 9.5: promotion of cycling through the creation of a geo-tracking tool and a “bike navigator”;

The action is aimed at creating a shared application on the Android platform aimed at the shared and optimal management of shared mobility with the aim of the possibility of exchanging vehicles and the possibility of renting in sharing, the use of the network of track systems cycle paths and bike sharing, including newly established electric ones, located throughout the city.

The application being updated and made available to the application will be guaranteed through the use of the data provided by Soc. 5T s.r.l..

For information:

<https://www.bunet.torino.it/>



The "Bunet" application of 5T s.r.l.



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Action C 10: study of a demonstration action for the conversion of public transport vehicles from diesel to electric propulsion;

The action includes a demonstration action aimed at the conversion of a means of public transport from diesel to electric.

The City of Turin - which has the "zero cost" action as its objective - will share the initiative with the Piedmont Region, which will be financed by it within the resources of the PREPAIR project, guaranteeing its experimentation.

The City may possibly contribute to the initiative by making a vehicle available to the GTT S.p.a.



A type of e-bus in circulation in Turin



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Action C 11.1: study for the rationalization of short-range freight logistics for the urban and peri-urban area;

The Turin project on last-mile logistics began in 2012, following the approval by the Council of the Ministry of Transport in 2011 of the "National Logistics Plan", where for the first time it is mentioned as a priority in this sector. importance of sustainable urban logistics.

The first act was the signing of a memorandum of understanding between the Ministry of Infrastructure and the cities of Turin, Milan and Naples for the joint development of new sustainable projects on 2020 02935/119 4 "last mile logistics". This work took the form of participation in the MIUR call for Smartcities in September 2012 through the URBELOG proposal which will subsequently be funded in 2015 and will then begin its activities in the area in 2016.

Subsequently, with the participation in the PREPAIR Project, it is proposed to propose an in-depth study on freight logistics, which takes into account the current traffic flows from a system design perspective.

Through the experimentation shared by other projects in progress (SMILE, H2020, Life +, PUMAS, NOVELOG, SOCIALCAR, SETA, SOLEZ, PULL, etc.) the duration of the experimentation of the NOVELOG permit was extended starting from 1 January 2021 and until December 31, 2021 for a maximum of 100 vehicles with natural gas, hybrid electric or zero emissions (electric, hydrogen) engines.

The vehicles involved are currently about 50 and enjoy a permit called NOVELOG, which is requested to be renewed or reissued and which allows you to:

- circulate in the central ZTL areas, the Roman area, including the roads and lanes reserved for public transport and including the pedestrian areas in the ZTL, with the exception of the ZTL Valentino, from 6:00 to 24:00. For the pedestrian areas in the central ZTL circulation is allowed, exclusively for the operations of loading and unloading goods;
- park in the special parking spaces (blue lines) in the ZTL, complying with the payment of the parking during the operating hours of the paid parking lots and in the areas, where parking is regulated by time limitations (parking disc) without time limits for the stop;



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- access, outside the ZTL area, the lanes reserved for public transport and pedestrian areas from 6:00 to 24:00 in Turin.
To participate in the trial, the following requirements must be met:

- delivery of goods in the central LTZ area, by commercial vehicles of category Euro 5 or higher or eco-compatible or fueled by methane or zero emissions 2020 02935/119 6 (electric, hydrogen), gauge 35 quintals and ground mass, maximum 50 quintals;
- use of telematic devices, also already installed for other functions, in any case capable of detecting and transmitting, remotely, data concerning the location of the vehicle and connected to the traffic center of the City of Turin (managed by the 5T company) through the SIMONE Protocol or to replace Mobile Tracking Applications developed within the European projects of which the City is a partner or supporter.

The data of the survey set up, which will be affected by the "drops" of traffic typical of the pandemic period, will be made public and disseminated on the appropriate "Open data" platform of the City of Turin administered by Soc. 5T s.r.l. and which will be made available at the link:

http://www.datiopen.it/it/opendata/Comune_di_Torino_ZTL_Zona_Traffico_Limitato



The limited traffic zone of Turin (ZTL zone).



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Action E 1: Information and awareness raising activities for project activities;

The information and awareness-raising activities conducted in the years 2018 and 2019 saw the participation of the City of Turin with the PREPAIR project in the initiatives of the "Future Mobility Week" held at the Palazzo Fiere del Lingotto in Turin.

In 2020 and 2021, given the current pandemic constraints still in force, participation in collective events could not be carried out in person and remote possibilities were evaluated with little result.

In 2022, the possibility of setting up special days dedicated to the scientific dissemination of the project results and the implementation of the actions carried out by the City in recent years will be evaluated.



The posters of the events that the City of Turin joined in 2018 and 2019



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Action E 4: awareness raising activities for the use of electric vehicles (Regional Electric Mobility Day);

The awareness-raising activities of the City of Turin on the use of the electric vehicle involve multiple projects with various types of funding relating to the various projects in progress.

These include, in addition to PREPAIR:

- STEVE
- HANDSHAKE
- INCIT-EV
- GOEASY
- SOLEZ
- NOVELOG
- SOCIALCAR
- SILK
- SUITS
- IMOOVE
- Torino Mobility Lab – Collegato ambientale
- PON METRO
- AXTO

The shared management of the various projects is an activity that aims to achieve certain and common objectives, in a shared "system" configuration, in order to expand the offer of systems, networks and opportunities for movement collective.

The coordination, verification, addressing, granting and authorization activities require financial support and absorb much of the joint work of the Infrastructure and Mobility Division, affecting areas of Infrastructure, Mobility and Soft Mobility.

For more informations:

<http://www.comune.torino.it/trasporti/mobilita-intelligente-sostenibile/index.shtml>



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Action E 6: networking with other European and national projects on issues related to sustainable mobility.

The various projects developed over the years have involved large investments in economic terms, professional commitment, studies, checks, sharing and confrontation with citizens, with users, with pressure groups.

The City has lent itself on several occasions to moments of dialogue and discussion, with a willingness to listen, understand and share the major issues of mobility that has never been lacking.

The goal of networking appears even more essential today, given the needs and bets that the City will have to face in the coming years.

For this, the Administration will have to equip itself with coordination and direction offices, which know how to exploit the opportunities and economic resources available through funding that will become available.



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REPORTING OF WORK PROGRESS.

The City reported in the course of 2021 work progress equal to **30.95%** of the resources available for the intervention program ($\text{€ } 169,098.41 / \text{€ } 546,306.00 = 30.95\%$).

Taking into account that the project has a time horizon that will end in 2024, the possibility of further exploitation of available economic resources is expected.

For this reason, in the coming months, together with the new Municipal Administration, the possibility of dedicating the economic residues to new interventions will be evaluated, probably with new investments that can be implemented within the current financial resources.



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ATTACHMENTS:

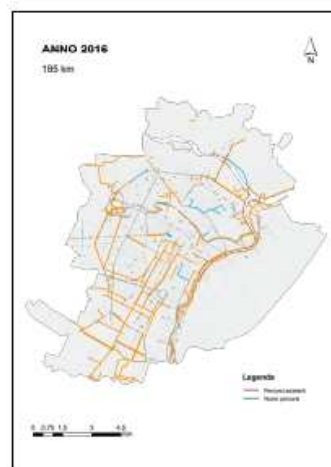
- Evolutionary plans of the cycle paths of the City from 1990 to 2020;
- Plan of existing cycle network;
- Plan of the cycle network - Interventions in progress;
- List of cycle interventions completed - in progress – planned;
- Resolutions regarding freight traffic detection systems in the central area.



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- Evolutionary plans of the cycle paths of the City from 1990 to 2020;

EVOLUZIONE DELLA RETE CICLABILE DELLA CITTA' DI TORINO





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- Plan of existing cycle network;

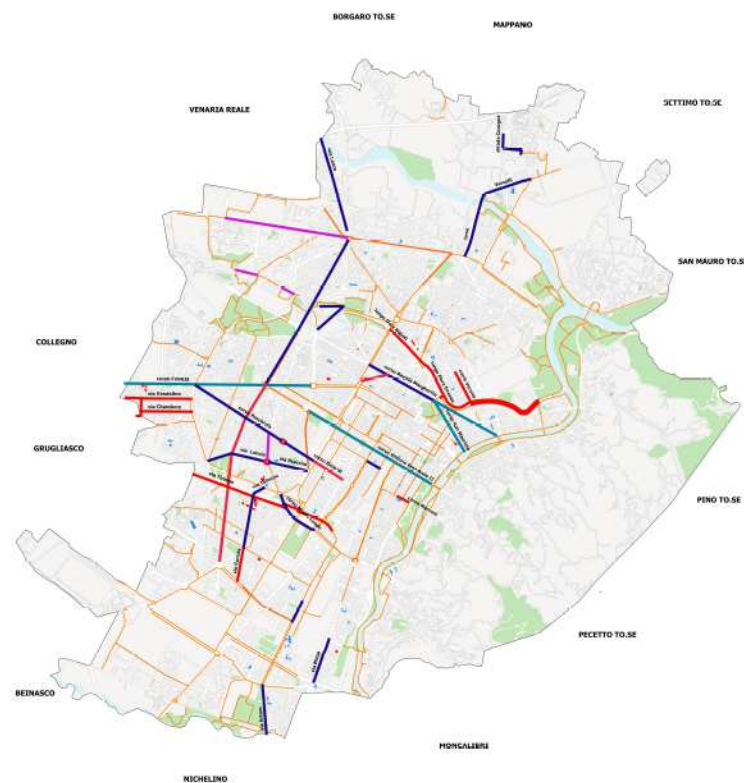




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- Plan of the cycle network - Interventions in progress;

TAVOLA RETE CICLABILE IN ESECUZIONE



LEGENDA

----- pista ciclabile esistente



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- List of cycle interventions completed - in progress – planned;

DIREZIONE INFRASTRUTTURE E MOBILITÀ
SERVIZI SUOLO E PARCHEGGI – URBANIZZAZIONI – PONTI E VIE D'ACQUA
Interventi mobilità ciclabile 2014- 2017

Servizio	Intervento	Tipologia Biciplan	Fase di attuazione	Costo (Euro)	Finanziamento	Sviluppo	Stato di attuazione
Suolo	corso Moncalieri tratto Casa Oz – corso Moncalieri 306	Direttrice 3B	terminato	30.000,00	Contributo Ministero Ambiente e Oneri di Urbanizzazione	600 mt.	100%
Suolo	corso Matteotti, tratto Bolzano/Vinzaglio	Area centrale	terminato	110.000,00	Contributo Ministero Ambiente e Oneri di Urbanizzazione	200 mt.	100%
Suolo	corso Agnelli, lato EST - marciapiede FCA	Direttrice 1B	terminato	65.000,00	Contributo Ministero Ambiente e Oneri di Urbanizzazione	950 mt.	100%
Suolo	corso Matteotti, tratto Galileo Ferraris/Re Umberto	Area centrale	terminato	125.000,00	Contributo Ministero Ambiente e Oneri di Urbanizzazione	300 mt.	100%
Suolo	Corso Settembrini tratto Orbassano/Agnelli	Circolare 4 (C10)	terminato	80.000,00	Oneri di Urbanizzazione	1.300 mt.	100%
Suolo	Corso Orbassano - tratto piazze Cattaneo/Pitagora	Direttrice 6	terminato	100.000,00	Contributo Ministero Ambiente	1.000 mt.	100%
Suolo	pista corso G. Ferraris tratto Cernaia / Matteotti	Area centrale	terminato				
Urbanizzazioni	corso Novara – Vigevano tratto via Aosta a via Cigna	Circolare 2 (C2)	terminato				
Urbanizzazioni	via Aosta - piazza Bottellini via Ponchielli	Itinerari distribuzione	terminato				
Urbanizzazioni	Piazza Marmolada	Circolare 2 (C2)	terminato				
Urbanizzazioni	Via Verolengo – tratto via Orvieto – via Borgaro	Itinerari distribuzione	terminato				
Urbanizzazioni	piste area Continassa (Juventus)	Circolare 4 (C4)	terminato				
Ponti Vie d'Acqua	viale della Spina da corso Vittorio a piazza Baldissera (4 LOTTI)	Direttrice 1A	terminato				
Direttrice 1A Ponti Vie d'Acqua	attraversamento piazza Baldissera e tratto corso Venezia fino a via Lisa (pressi stazione Reabudengo)	Direttrice 1A	in corso				



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- Resolutions regarding freight traffic detection systems in the central area.

Divisione Infrastrutture e Mobilità
Area Mobilità
Servizio Mobilità
GP
0/A

2019 06288/006

CITTÀ DI TORINO

DELIBERAZIONE DELLA GIUNTA COMUNALE

23 dicembre 2019

Convocata la Giunta presieduta dalla Vicesindaca Sonia SCHELLINO, sono presenti gli Assessori:

Marco GIUSTA
Francesca Paola LEON
Marco PIRONTI

Sergio ROLANDO
Alberto SACCO
Alberto UNIA

Assenti, per giustificati motivi, oltre la Sindaca Chiara APPENDINO, gli Assessori Antonietta DI MARTINO, Roberto FINARDI, Antonino IARIA e Maria LAPIETRA.

Con l'assistenza del Vicesegretario Generale Giuseppe FERRARI.

OGGETTO: PROGETTI EUROPEI SUITS E SUMP-UP E PREPAIR. SPERIMENTAZIONE PROGETTO PILOTA SULLA RAZIONALIZZAZIONE DELLA CONSEGNA DELLE MERCI ALL'INTERNO DELLA ZTL. PROROGA PERMESSO TEMPORANEO PER ACCESSO IN ZTL PER UN NUMERO LIMITATO DI VEICOLI. APPROVAZIONE.

Divisione Infrastrutture e Mobilità
Area Mobilità
Servizio Esercizio
GP
4

2020 02935/119

CITTÀ DI TORINO

DELIBERAZIONE DELLA GIUNTA COMUNALE

29 dicembre 2020

Convocata la Giunta, presieduta dalla Sindaca Chiara APPENDINO, sono presenti, oltre la Vicesindaca Sonia SCHELLINO, gli Assessori:

Antonietta DI MARTINO
Roberto FINARDI
Marco GIUSTA
Antonino IARIA
Maria LAPIETRA

Francesca Paola LEON
Marco PIRONTI
Sergio ROLANDO
Alberto SACCO
Alberto UNIA

Con l'assistenza del Segretario Generale Mario SPOTO.

OGGETTO: PROGETTI EUROPEI SUITS E PREPAIR. SPERIMENTAZIONE PROGETTO PILOTA SULLA RAZIONALIZZAZIONE DELLA CONSEGNA DELLE MERCI ALL'INTERNO DELLA ZTL. PROROGA PERMESSO TEMPORANEO PER ACCESSO IN ZTL PER UN NUMERO LIMITATO DI VEICOLI. APPROVAZIONE.



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With the contribution
of the LIFE Programme
of the European Union



Our references:

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ARSO ENVIRONMENT
Slovenian Environment Agency

