



Legenda

SS45

Comuni

- CERIGNALE
- CORTE BRUNATELLA
- OTTONE

Interventi di cantiere

- 1.1; 1.10; 1.11; 1.2; 1.3; 1.4; 1.5; 1.6; 1.7; 1.8; 1.9
- 3.1; 3.2
- 4.1; 4.2
- 5.1; 5.3; 5.2
- 6.1; 6.2; 6.3; 6.4; 6.5; 6.6; 6.7; 6.8
- Ponte Marsaglia

Usi del Suolo

- 1111 Ec Tessuto residenziale compatto e denso
- 1112 Er Tessuto residenziale rado
- 1120 Ed Tessuto residenziale discontinuo
- 1211 Ia Insediamenti produttivi
- 1212 Ic Insediamenti commerciali
- 1213 Is Insediamenti di servizi
- 1214 Io Insediamenti ospedalieri
- 1215 It Impianti tecnologici
- 1221 Rt Reti stradali
- 1222 Rf Reti ferroviarie
- 1223 Rm Impianti di smistamento merci
- 1224 Rt Impianti delle telecomunicazioni
- 1225 Re Reti per la distribuzione e produzione dell'energia
- 1226 Ri Reti per la distribuzione idrica
- 1231 Nc Aree portuali commerciali
- 1232 Nd Aree portuali da diporto
- 1233 Np Aree portuali per la pesca
- 1241 Fc Aeroporti commerciali
- 1242 Fs Aeroporti per volo sportivo e eliposti
- 1243 Fm Aeroporti militari
- 1311 Qa Aree estrattive attive
- 1312 Qi Aree estrattive inattive
- 1321 Qd Discariche e depositi di cave, miniere e industrie
- 1322 Qu Discariche e depositi di rifiuti solidi urbani
- 1323 Qr Depositi di rottami
- 1331 Oc Cantieri e scavi
- 1332 Cs Suoli maneggiati e artefatti
- 1411 Vp Parchi e ville
- 1412 Vx Aree incolte urbane
- 1421 Vt Campi e strutture turistico-ricettive
- 1422 Vs Aree sportive
- 1423 Vd Parchi di divertimento
- 1424 Vg Campi da golf
- 1425 Vi Ippodromi
- 1426 Va Autodromi
- 1427 Vr Aree archeologiche
- 1428 Vb Stabilimenti balneari
- 1430 Vm Cimberii
- 2110 Sn Seminativi non irrigui
- 2121 Se Seminativi semplici irrigui
- 2122 Sv Vvivi
- 2123 So Colture orticole
- 2130 Sr Risale
- 2210 Cv Vigneti
- 2220 Cf Frutteti
- 2230 Co Oliveti
- 2241 Cp Pioppeti culturali
- 2242 Ci Altre colture da legno
- 2310 Pp Prati stabili
- 2410 Zi Colture temporanee associate a colture permanenti
- 2420 Zo Sistemi colturali e partecolli complessi
- 2430 Ze Aree con colture agricole e spazi naturali importanti
- 3111 Bf Boschi a prevalenza di faggi
- 3112 Bg Boschi a prevalenza di querce, carpini e castagni
- 3113 Bs Boschi a prevalenza di salici e pioppi
- 3114 Bp Boschi pianiziani a prevalenza di farnie e frassini
- 3115 Bc Castagneti da frutto
- 3120 Ba Boschi di conifere
- 3120 Bm Boschi misti di conifere e latifoglie
- 3210 Tp Praterie e brughiere di alta quota
- 3220 Tc Cespuglieti e arbusteti
- 3231 Tn Vegetazione arbustiva e arborea in evoluzione
- 3232 Ta Rimboschimenti recenti
- 3310 Ds Spiagge, dune e sabbie
- 3320 Dr Rocce nude, falesie e affioramenti
- 3331 Dc Aree calcinchie
- 3332 Dx Aree con vegetazione rada di altro tipo
- 3340 Di Aree percorse da incendi
- 4110 Ui Zone umide interne
- 4120 Ut Torbiere
- 4211 Up Zone umide salmastre
- 4212 Uv Valli salmastre
- 4213 Ua Acquaculture in zone umide salmastre
- 4220 Us Saline
- 5111 Af Alvei di fiumi e torrenti con vegetazione scarsa
- 5112 Av Alvei di fiumi e torrenti con vegetazione abbondante
- 5113 Ar Argini
- 5114 Ac Canali e idrovie
- 5121 An Bacini naturali
- 5122 Ap Bacini produttivi
- 5123 Ax Bacini artificiali
- 5124 Aa Acquaculture in ambiente continentale
- 5211 Ma Acquaculture in mare

GRUPPO FS ITALIANE

Coordinamento Territoriale Nord Est
 Area Compartmentale Emilia Romagna
 Viale A. Moro, 8 - 40126 Bologna T (+39)051 630111 - F (+39) 051 24970
 Fax: 051 24970000/000000/000000/000000/000000/000000/000000/000000/000000/000000

ANAS S.p.A. - Gruppo Ferrovie dello Stato Italiane
 Società con unico socio, soggetta all'attività di direzione e coordinamento di Ferrovie dello Stato Italiane S.p.A.
 e concessionaria ai sensi del D.L. 130/2002 (convertito con L. 178/2002)
 Sede Legale: Via Nazionale, 10 - 00185 Roma T (+39) 06 49451 - F (+39) 06 4945224
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PROVINCIA DI PIACENZA

Visto:

**IL RESPONSABILE STRUTTURA TECNICA
 PROGETTAZIONE ANAS
 (Dott. Ing. Annalisa Lamberti)**

**IL RESPONSABILE DEL PROCEDIMENTO
 (Dott. Ing. Mario Liberatore)**

**S.S. 45
 "Val di Trebbia"
 Tronco dal km.62+000 al km.95+000**

**LAVORI DI MANUTENZIONE STRAORDINARIA
 E DI MIGLIORAMENTO DELLA S.S.45, DAL
 km. 62+000 AL km. 95+000 IN TRATTI
 SALTUARI, MEDIANTE ADEGUAMENTI DELLE
 BARRIERE DI SICUREZZA E DEI DISPOSITIVI
 DI PROTEZIONE DA CADUTA MASSI**

STRALCIO 1

PROGETTO ESECUTIVO

IL PROGETTISTA

Dott. Ing. **Stefano Cassarini**
 INGEGNERE
 STUDIO ZANNI
 VIA S. VINCENZO, 4 - 41018/19/20/21/22/23/24/25/26/27/28/29/30/31/32/33/34/35/36/37/38/39/40/41/42/43/44/45/46/47/48/49/50/51/52/53/54/55/56/57/58/59/60/61/62/63/64/65/66/67/68/69/70/71/72/73/74/75/76/77/78/79/80/81/82/83/84/85/86/87/88/89/90/91/92/93/94/95/96/97/98/99/100/101/102/103/104/105/106/107/108/109/110/111/112/113/114/115/116/117/118/119/120/121/122/123/124/125/126/127/128/129/130/131/132/133/134/135/136/137/138/139/140/141/142/143/144/145/146/147/148/149/150/151/152/153/154/155/156/157/158/159/160/161/162/163/164/165/166/167/168/169/170/171/172/173/174/175/176/177/178/179/180/181/182/183/184/185/186/187/188/189/190/191/192/193/194/195/196/197/198/199/200/201/202/203/204/205/206/207/208/209/210/211/212/213/214/215/216/217/218/219/220/221/222/223/224/225/226/227/228/229/230/231/232/233/234/235/236/237/238/239/240/241/242/243/244/245/246/247/248/249/250/251/252/253/254/255/256/257/258/259/260/261/262/263/264/265/266/267/268/269/270/271/272/273/274/275/276/277/278/279/280/281/282/283/284/285/286/287/288/289/290/291/292/293/294/295/296/297/298/299/300/301/302/303/304/305/306/307/308/309/310/311/312/313/314/315/316/317/318/319/320/321/322/323/324/325/326/327/328/329/330/331/332/333/334/335/336/337/338/339/340/341/342/343/344/345/346/347/348/349/350/351/352/353/354/355/356/357/358/359/360/361/362/363/364/365/366/367/368/369/370/371/372/373/374/375/376/377/378/379/380/381/382/383/384/385/386/387/388/389/390/391/392/393/394/395/396/397/398/399/400/401/402/403/404/405/406/407/408/409/410/411/412/413/414/415/416/417/418/419/420/421/422/423/424/425/426/427/428/429/430/431/432/433/434/435/436/437/438/439/440/441/442/443/444/445/446/447/448/449/450/451/452/453/454/455/456/457/458/459/460/461/462/463/464/465/466/467/468/469/470/471/472/473/474/475/476/477/478/479/480/481/482/483/484/485/486/487/488/489/490/491/492/493/494/495/496/497/498/499/500/501/502/503/504/505/506/507/508/509/510/511/512/513/514/515/516/517/518/519/520/521/522/523/524/525/526/527/528/529/530/531/532/533/534/535/536/537/538/539/540/541/542/543/544/545/546/547/548/549/550/551/552/553/554/555/556/557/558/559/560/561/562/563/564/565/566/567/568/569/570/571/572/573/574/575/576/577/578/579/580/581/582/583/584/585/586/587/588/589/590/591/592/593/594/595/596/597/598/599/600/601/602/603/604/605/606/607/608/609/610/611/612/613/614/615/616/617/618/619/620/621/622/623/624/625/626/627/628/629/630/631/632/633/634/635/636/637/638/639/640/641/642/643/644/645/646/647/648/649/650/651/652/653/654/655/656/657/658/659/660/661/662/663/664/665/666/667/668/669/670/671/672/673/674/675/676/677/678/679/680/681/682/683/684/685/686/687/688/689/690/691/692/693/694/695/696/697/698/699/700/701/702/703/704/705/706/707/708/709/710/711/712/713/714/715/716/717/718/719/720/721/722/723/724/725/726/727/728/729/730/731/732/733/734/735/736/737/738/739/740/741/742/743/744/745/746/747/748/749/750/751/752/753/754/755/756/757/758/759/760/761/762/763/764/765/766/767/768/769/770/771/772/773/774/775/776/777/778/779/780/781/782/783/784/785/786/787/788/789/790/791/792/793/794/795/796/797/798/799/800/801/802/803/804/805/806/807/808/809/810/811/812/813/814/815/816/817/818/819/820/821/822/823/824/825/826/827/828/829/830/831/832/833/834/835/836/837/838/839/840/841/842/843/844/845/846/847/848/849/850/851/852/853/854/855/856/857/858/859/860/861/862/863/864/865/866/867/868/869/870/871/872/873/874/875/876/877/878/879/880/881/882/883/884/885/886/887/888/889/890/891/892/893/894/895/896/897/898/899/900/901/902/903/904/905/906/907/908/909/910/911/912/913/914/915/916/917/918/919/920/921/922/923/924/925/926/927/928/929/930/931/932/933/934/935/936/937/938/939/940/941/942/943/944/945/946/947/948/949/950/951/952/953/954/955/956/957/958/959/960/961/962/963/964/965/966/967/968/969/970/971/972/973/974/975/976/977/978/979/980/981/982/983/984/985/986/987/988/989/990/991/992/993/994/995/996/997/998/999/1000

TAVOLA
3A

SCALA
1: 10.000

REDDATO:	Dott. Sc. Amb. Filippo Zanni
CONTROLLATO:	Dott. Ing. Stefano Cassarini
APPROVATO:	Dott. Ing. Annalisa Lamberti

n.	data	descrizione
0	24-08-15	Emissione
1	26-09-16	Revisione
2	06-03-17	Revisione
3	04-08-17	Revisione
4	20-10-17	Revisione
5	03-09-18	Revisione

Progetto n. 8748 del 02/10/2015

COP SS45_8748_2018.dwg