



A303

Wayne Clements

A303

Wayne Clements

2021

Resources:

'A303 Stonehenge Amesbury to Berwick Down Heritage Impact Assessment Scoping Report', *Highways England*. February 2018.

Cover image: John Goldsmith / *Stonehenge frames the A303 road* / CC BY-SA 2.0.

Assessment
alternatives
Consultation
Potential
Scheme
the
Outline
and
Design
enhancement

measures
Assessment
of
References
Abbreviations
the
Scientific
Reference
England
relation

proposed
to
own
improvement
project
the
Proposed
element
Durrington
Shrewton

Amesbury
Winterbourne
Stoke
and
Lake
The
property
inscribed
guidelines
recommended

ensures
the
protection
Outstanding
Universal
the
property
Environmental
being
prepared

Assessment
separate
recommended
development
affects
the
potential
development
integrity
authenticity

groups
designated
non
designated
assets
The
preparation
and
methodology
provided

consultation
stakeholder
together
an
outline
the
schemes
in
England
series

design
assessment
statutory
Development
Consent
the
terms
Planning
including
properties

closely
both
upon
single
environment
The
Committee
endorsed
Monitoring
the

Terms
contained
of
England
Government
established
operate
maintain
strategic
network

is
promoted
of
investment
strategy
the
Government
Monitoring
ongoing
role

inclusion
the
project
taken
consent
The
Terms
Reference
agreed
between

attracts
visitors
iconic
Stones
other
prehistoric
monuments
landscape
congestion
the

this
set
out
in
Section
Scheme
Alternatives
description
England
connecting

west
objectives
for
Client
Scheme
high
route
current
growth
other

as
practicable
without
design
seek
the
specific
needs
Learning
associated

ensured
sensitively
close
collaboration
key
stakeholders
Proposed
components
general
west

Bypass
western
section
lane
carriageway
highway
the
north
Long
new

separated
junction
to
existing
outside
the
free
flowing
along
the

section
the
Approaches
new
section
highway
steep
cutting
leading
bore

existing
within
along
sections
provided
the
existing
Options
being
explored

routes
the
Longbarrow
Junction
the
north
Solstice
junction
High
Route

As
part
of
following
elements
haul
site
compounds
during
the

south
east
of
Yarnbury
Castle
the
existing
alignment
providing
the

access
continuity
from
Winterbourne
Stoke
the
maintained
provision
single
bridge

is
the
Long
Junction
green
the
proposed
green
alignment
section

is
steep
Proposed
then
continues
with
the
existing
length
closed

requires
the
two
connected
underground
the
safe
evacuation
King
Ridge

is
sympathetic
to
setting
Details
with
the
anticipated
existing
between

eastern
tunnel
portal
converted
greenway
vehicular
access
controlled
setting
proposed

this
to
provide
and
accommodate
highway
features
restraint
stage
limited

Proposed
outside
More
signing
emergency
other
equipment
design
progresses
Street

design
the
proposed
infiltration
devices
the
proposed
drainage
arrangements
the

interchanges
at
junctions
and
number
Right
structures
underpasses
ongoing
activities

East
West
sections
independent
earthworks
the
embankments
constructed
using
material

outside
the
spoil
managed
accordance
with
materials
handling
management
strategy

consultation
appropriate
formal
application
planned
through
the
intended
opening
anticipated

basis
the
application
inbuilt
the
further
value
working
designers
environmental

Consent
therefore
to
construction
operation
the
Scheme
appointed
Planning
Inspectorate

is
set
out
in
the
enhance
properties
settings
planning
documents

specific
the
Core
Development
Document
the
Universal
inappropriate
setting
the

visibility
the
proposal
setting
provide
further
preferred
assessment
Light
Adversely

towards
the
protection
and
management
the
property
taken
opening
the

visitor
centre
closure
and
experiential
relationships
cemeteries
on
King
Ridge

Crossroads
addition
Durrington
in
the
highly
visible
landscape
through
the

Walls
northern
boundary
main
access
the
base
Significant
through
the

cemeteries
traffic
noise
intrusion
the
heavy
congestion
negative
damaging
surface

is
to
encourage
sustainable
management
the
needs
farming
Management
are

roads
traffic
improvements
interpretation
enhance
the
experience
landscape
settings
the

landscape
its
economic
benefits
related
undertaken
development
archaeological
investigations

since
the
publication
Management
consider
The
published
England
mapping
geophysical

pits
the
southern
extent
Ridge
The
published
ongoing
spring
the

east
Mesolithic
on
Avon
being
The
discovery
confirmation
long
possible

most
megaliths
world
sanctuaries
are
menhirs
arranged
in
significance
unexplained

inscription
the
world
current
use
achievement
masterpiece
genius
outstanding
creative

landscape
than
from
Bronze
Age
The
monuments
and
unwavering
influence

architects
artists
historians
and
archaeologists
huge
potential
Criterion
insight
the

retrospective
Statement
of
Outstanding
Universal
the
Department
and
management
decisions

is
Site
relation
Management
notes
that
The
recognised
including
the

achievements
prehistoric
most
stone
circle
the
unrivalled
in
design
unique

stone
lintels
outer
and
the
trilithons
locked
joints
distinguished
the

use
the
both
stones
Bluestones
their
size
weighing
surrounding
monuments

monuments
architects
historians
and
archaeologists
huge
potential
and
shaping
the

practices
Britain
Neolithic
and
Bronze
Together
their
settings
design
interrelationship

astronomical
character
of
Kennet
Avenue
the
hundreds
illustrating
evolving
funerary

rites
this
also
Integrity
Authenticity
the
well
detailing
management
requirements

these
attributes
from
Statement
Significance
the
evaluation
documentation
together
the

attributes
the
reasons
and
Avebury
The
Management
Plan
globally
monument

physical
the
Neolithic
and
Bronze
the
landscape
siting
Age
funerary

sites
monuments
relation
landscape
The
Neolithic
Bronze
funerary
siting
Neolithic

sites
monuments
relation
disposition
remains
the
key
and
Age
funerary

monuments
sites
of
landscape
parallel
The
influence
remains
Age
funerary

Attributes
detail
relation
and
monument
This
monument
an
enduring
people

sites
prehistoric
internationally
recognised
overstate
the
best
known
Age
funerary

largest
Britain
demonstrates
organise
massive
Other
massive
monuments
upstanding
remains

physical
other
Neolithic
and
Bronze
the
sites
include
Woodhenge
the

Lesser
the
concentration
Bronze
Age
They
provide
an
insight
the

practices
the
period
and
monuments
have
visible
remains
ploughed
survive

Avenues
to
Avon
and
thence
each
other
on
ridge
lines

sites
monuments
relation
and
The
Neolithic
Bronze
funerary
aligned
the

midsummer
midwinter
for
Woodhenge
then
this
appears
been
stages
the

possible
alignment
upon
moon
when
southerly
northerly
setting
siting
Neolithic

sites
monuments
relation
siting
Neolithic
each
other
on
ridgelines
are

design
position
interrelationship
monuments
are
highly
organised
concepts
topographical
interrelationships

recognisable
parts
of
an
archaeological
other
the
monuments
degraded
masked

significance
relationships
to
one
another
the
landscape
no
longer
visible

remains
Neolithic
Bronze
funerary
ceremonial
their
landscape
settings
archaeologists
others

techniques
Integrity
of
wholeness
intactness
the
features
and
significance
Suffers

adverse
effects
of
development
neglect
the
elements
necessary
living
properties

is
extensive
both
being
square
the
relationship
between
setting
Avebury

was
extended
to
include
Kennet
with
extensive
Bronze
Age
field

system
naturally
occurring
Sarsen
Stones
the
current
boundary
setting
some

monuments
extends
beyond
boundary
buffer
comprehensive
setting
considered
setting
monuments

is
exceptional
around
and
Stone
earth
monuments
retain
original
design

impacts
its
roads
relationship
between
the
separates
Stone
damage
the

resulted
but
completeness
and
concentration
The
materials
and
archaeology
supported

archives
continue
to
uncover
new
prehistory
Present
enormously
understanding
the

Walls
Southern
Although
original
ceremonial
the
monuments
not
significance
some

still
gather
both
stone
circles
the
Solstice
and
strengthen
understanding

relationship
between
both
and
Avebury
Scheme
alternatives
and
Following
Feasibility

stages
three
milestones
Design
identification
within
remaining
and
Design
identify

options
to
forward
consideration
aimed
weighed
other
environmental
determining
the

corridors
contained
route
options
characteristics
This
resulted
in
existing
outside

Salisbury
South
routes
existing
outside
north
further
than
existing
outside

south
subject
to
options
three
established
criteria
Client
Sifting
environmental

severance
within
improve
setting
key
such
The
elements
bypassing
the

south
route
options
in
entirety
This
benefits
reducing
improving
the

setting
assets
monument
benefits
need
within
landscape
options
through
therefore

transport
benefits
More
remain
divert
the
appropriate
options
performing
identified

was
undertaken
for
options
identified
the
Design
assessment
programme
geophysical

surveys
undertaken
to
investigate
the
archaeological
features
along
long
henge

These
features
considered
and
route
the
decision
options
moving
them

south
to
avoid
on
these
Further
route
options
performing
routes

against
the
above
analysis
these
three
routes
included
following
areas

increased
accident
second
version
the
high
level
Iteration
design
development

appraisal
to
route
Option
length
with
route
running
length
tunnel

south
Winterbourne
Stoke
eastern
tunnel
The
Avenue
and
design
before

was
to
Government
significant
improvements
the
design
following
changes
the

western
tunnel
portal
and
the
approach
route
western
existing
newly

also
other
Neolithic
and
Bronze
the
cluster
round
alignment
the

setting
the
solstice
and
reduces
the
Society
Protection
design
September

submission
the
application
in
late
stakeholder
engagement
and
regards
the

landowners
communities
groups
consulted
throughout
These
include
Drainage
Management
The

Users
third
Advisory
Mission
been
the
Preferred
including
Steering
Committees

meetings
the
Working
includes
their
Technical
Partner
Attendance
Working
The

groups
relevant
to
and
provide
the
feedback
meetings
Design
Team

Consultation
set
out
in
Section
the
Environmental
and
archaeological
sites

monuments
within
component
remains
Neolithic
therefore
attributes
include
archaeological
features

such
pit
ploughzone
and
monuments
other
attributes
relationships
surrounding
landscape

skies
astronomical
phenomena
currently
severs
the
Avenue
and
setting
monuments

Crossroads
cemetery
improvement
junctions
alleviate
the
congestion
in
archaeological
remains

scheme
interrelationships
of
monument
the
historic
landscape
context
arriving
assessment

has
taken
into
account
assets
that
express
one
including
their

spatial
extent
complexity
and
others
whether
temporary
permanent
straightforward
consequences

Changes
light
pollution
and
are
when
asset
contributes
setting
changed

impacts
both
positive
and
negative
strengthening
degradation
authenticity
integrity
the

necessary
to
consider
increase
decrease
that
are
contained
mitigation
measures

such
planting
ecological
translocation
ecology
hedgerow
removal
boundary
changes
noise

barriers
etc
Woodland
undertaken
careful
where
trees
and
planting
undesirable

grassland
restoration
without
movements
deep
ploughing
remains
and
setting
the

monuments
that
form
landscape
parallel
These
attributes
expressing
looking
the

interrelationships
settings
of
monuments
sites
within
contributes
significance
setting
includes

past
present
social
traditional
knowledge
other
they
encompass
setting
topography
vegetation

as
effects
could
individually
arise
lighting
signage
in
moving
vehicles

proposed
development
could
benefit
attributes
the
removal
reducing
moving
Re

establishment
the
prominence
dominance
monuments
that
relationships
Improvement
lighting
ambience

skies
relationships
Reconnection
relationships
between
through
removal
infrastructure
long
term

aims
to
improving
connectivity
access
the
realisation
and
including
opportunities

present
the
whole
and
communities
the
Scheme
connection
reuniting
landscapes

sacred
the
People
and
Communities
chapter
fed
into
damage
the

earthworks
monuments
contribute
changes
mean
that
longer
than
long
term

physically
destroyed
without
damaging
the
authenticity
the
damaging
negative
are

construction
within
outside
Winterbourne
Stoke
the
outside
joining
Design
principles

earthworks
cuttings
layouts
junctions
treatment
lighting
tunnel
configuration
verges
variable

impacts
the
Proposed
Assessment
Environmental
the
Scheme
and
range
the

historic
environment
whole
following
guidance
the
Guidance
on
Setting
Structures

positively
negatively
Identification
change
development
authenticity
positively
negatively
might
be

process
assessment
following
elements
Assessment
the
potential
on
groups
convey

attributes
Assessment
of
potential
overall
each
the
namely
globally
monument

physical
the
Neolithic
and
Bronze
the
landscape
siting
Age
funerary

sites
monuments
relation
landscape
The
Neolithic
Bronze
funerary
siting
Neolithic

monuments
designated
contribute
undertaken
characterise
the
resource
and
existing
the

sections
tunnel
portals
and
scenario
with
reference
Management
Integrity
Authenticity

Trust
Results
of
Outline
Assessment
the
Results
Environment
following
sources

used
historic
photographs
and
identify
archaeological
sites
and
modelling
covering

scheme
intervisibility
modelling
recent
research
archaeological
evaluations
and
investigations
relation

Research
details
viewpoints
visualisations
photomontages
changes
monuments
relationships
settings
express

constructed
the
ratios
new
market
the
Scheme
construction
changes
numbers

visitor
study
also
consider
potential
Scheme
access
and
addressing
the

assessment
qualitative
to
any
available
the
attendance
performance
being
prepared

as
part
of
baseline
monument
that
contribute
visualisations
photomontages
consider

described
Representative
viewpoints
identified
used
where
applicable
Important
understanding
the

sites
setting
contribute
and
mapped
The
assessment
into
planning
consent

allocations
adopted
local
plans
Defence
the
grade
junction
Photography
photomontage

study
to
support
and
be
with
Annex
Assessment
significant
effects

photographs
practicable
both
and
winter
months
take
account
Archaeology
assessment

skyline
celestial
relation
monuments
associated
that
contribute
current
nothing
scenario

baseline
that
considered
generate
substantive
change
adverse
beneficial
glow
effect

Proposed
both
construction
lighting
operation
lighting
phases
undertaken
light
the

installed
the
colour
rendering
temperature
the
source
presented
setting
assessment

asset
understanding
of
relationships
between
the
asset
experienced
setting
influenced

factors
dust
vibration
ambience
smells
other
uses
in
understanding
the

landscape
to
viewpoints
considered
communities
those
the
associations
surroundings
setting

views
intervisibility
interrelationships
points
agreed
The
views
then
Augmented
Reality

using
tablet
computers
and
reality
headsets
anticipated
consultation
existing
landscape

using
digital
photographs
been
scanned
The
Scheme
then
integrated
the

proposed
horizontal
junctions
tunnel
bridges
lighting
roadside
Photomontages
groups
Asset

interrelationships
intervisibility
grouping
initial
definition
with
the
assessment
groups
take

sites
monuments
no
expression
ploughed
earthworks
sites
represented
ploughzone
regards

Visitor
Centre
World
Woodland
Strategy
the
Outline
Assessments
England
the

Trust
the
optioneering
Preliminary
Outline
English
the
National
groups
convey

This
method
of
assessing
consistent
with
the
Guidance
groups
expressing

seven
attributes
of
recent
archaeological
topographical
geographical
connections
using
the

visual
sensitivity
anomalies
including
areas
physical
remains
and
groups
their

significance
their
contribution
identified
include
the
landscape
potentially
setting
Assessment

present
the
do
nothing
scenario
the
presence
current
groups
have

scoped
out
to
distance
the
Scheme
diversionary
and
groups
inside

its
southern
scoped
distance
the
Scheme
intervening
Potential
groups
have

screened
out
on
initial
modelling
These
include
Down
groups
scoped

setting
isolated
convey
considered
These
geographically
thematically
and
Archaeological
features

such
pit
ploughzone
considered
preliminary
that
convey
important
groups
are

subjective
there
major
in
understanding
the
relationships
between
groups
landscapes

Barrows
Durrington
Down
Rolleston
The
Larkhill
Causewayed
Enclosure
long
Cemetery

ditches
assets
outside
boundary
Designated
these
assets
environment
groups
attributes

sites
monuments
relation
landscape
The
physical
operation
on
archaeological
remains

design
Neolithic
Bronze
funerary
ceremonial
the
skies
and
alignments
skylines

sites
monuments
relation
disposition
remains
the
key
and
archaeological
remains

impacts
construction
operation
between
monuments
the
landscape
noise
groups
relation

considered
the
poetry
Sidney
Spenser
Wordsworth
novels
Coventry
Golding
Burke

HIAs
undertaken
course
selection
the
high
level
Iterations
England
the

Trust
quantitative
of
undertaken
based
the
modelling
and
lighting
studies

established
the
following
Guidance
Table
the
resultant
significance
citing
evidence

described
narrative
No
Change
Negligible
Change
Change
Change
Change
Properties

attributes
Neutral
Moderate
Operational
Guidelines
the
Implementation
Convention
guidance
the

types
factors
considered
when
addressing
the
relationships
between
arrangements
relation

has
externally
or
in
Guidance
technical
Methodology
and
including
Description

Proposed
Mitigation
incorporated
into
the
Scheme
Assessment
and
mitigation
measures

Conclusions
terms
Illustrations
and
Appendices
The
monument
groupings
agreed
the

meetings
consultation
of
confidence
the
technical
difficulties
encountered
knowledge
uncertainties

is
anticipated
Archaeological
Mitigation
Strategy
Overarching
Written
Investigation
archaeological
programme

is
the
property
existing
reduce
physical
contextual
severance
existing
restore

physical
connectivity
along
length
prehistoric
that
removing
severance
King
Ridge

monuments
that
contribute
not
designed
the
infrastructure
within
cutting
tunnel

monuments
within
outside
siting
Neolithic
the
landscape
and
paragraphs
Attribute

midsummer
midwinter
solstice
along
alignment
with
the
design
light
the

use
cuttings
canopies
and
green
the
Scheme
changes
reducing
the

monuments
sites
of
landscape
parallel
The
property
King
Ridge
Coneybury

itself
west
Normanton
Winterbourne
Stoke
the
Lake
and
groups
convey

this
attribute
of
concern
the
topographical
relationships
within
siting
the

present
currently
to
understand
appreciate
the
relationship
monuments
surrounding
landscape

towards
traffic
foreground
and
severance
relationships
the
Scheme
infrastructure
passing
close

this
positioned
road
not
tunnel
the
bored
tunnel
cuttings
the

portals
particularly
approach
section
degrade
the
integrity
Severing
groups
the

Crossroads
the
Diamond
and
Severing
the
landscape
in
dividing
river

east
the
removal
current
benefits
the
integrity
including
design
monuments

designed
relationships
monuments
strengthen
degrade
this
aspect
authenticity
continuing
conservation

setting
the
relationships
between
monuments
the
landscape
and
alignments
There

Proposed
the
purpose
avoiding
preventing
horizontal
vertical
alignments
setting
aspects

sympathetic
cuttings
of
tunnel
minimise
where
feasible
Minimising
modelling
preservation

situ
monitoring
Protection
defining
the
with
markers
during
establishing
exclusion

zones
Community
compaction
and
geotextile
machinery
exclusion
zones
Managing
movements

existing
Maintaining
appreciation
and
awareness
Archaeological
investigation
and
recording
Archaeological

analysis
publication
dissemination
and
research
Enhancement
access
amenity
Removing
existing

intrusions
the
sections
existing
programmes
such
presentation
and
archaeological
societies

communities
visitors
community
Enhancement
views
the
setting
monuments
including
opening

features
Mitigation
to
determined
detail
archaeological
investigations
undertaken
archaeological
research

strategies
with
archaeological
mitigation
strategy
archaeological
fieldwork
specifications
design
based

measures
that
incorporated
into
the
Scheme
address
negative
mitigation
measures

actions
time
on
Interactions
arise
other
drainage
endangered
arrangements
taken

Amesbury
strategic
housing
allocation
dwellings
within
the
proportion
planning
located

just
to
south
development
the
north
east
linked
including
the

Fugglestone
development
alongside
dwellings
employment
the
Longhedge
development
alongside
the

dwellings
employment
operation
Centre
consideration
lighting
Rebasing
and
Boeing
Development

Boscombe
Solstice
Winterbourne
and
Increased
the
beyond
monument
removing
the

interactions
effects
Construction
lighting
Changes
Although
the
designed
existing
remain

diversion
routes
also
involve
take
the
improvement
existing
Planning
Environmental

Assessment
Regulations
no
Design
Bridges
Highways
Agency
Planning
Management
Chippenham

Committees
Centre
government's
decision
cancel
scheme
property
United
Organization
Site

retrospective
Infrastructure
Road
investment
strategy
Highways
Agency
Council
Strategic
Environmental

Localism
Act
National
networks
statement
enhancing
the
environment
Strategy
Development

Wiltshire
the
Joint
Centre
Avebury
the
Implementation
Convention
Organization
Intergovernmental

Properties
Nomination
Associated
Buildings
Monuments
behalf
the
Department
Significance
Statements

Unpublished
the
Associated
Monograph
Guidelines
Photography
photomontage
in
Highways
Agency

Advisory
to
Associated
January
February
Highways
Amesbury
Down
England
Environment

Assets
Historic
History
in
the
Method
Assessing
Significance
English
Management

Monuments
Sites
Detection
and
Programme
Right
Special
Conservation
Strategic
Outline

Business
Statement
of
Community
Statement
Technical
Tunnel
Boring
Organization
Envelope

this
understood
or
Knowledge
understanding
these
sources
information
original
subsequent

Buildings
Conservation
for
Transport
Government
the
network
in
England
aspects

transport
network
devolved
administrations
Design
that
provide
standards
relating
the

Infrastructure
Project
for
energy
projects
English
cares
National
England
under

Historic
Standard
road
performance
safety
the
funded
champions
England
places

also
the
Historic
Buildings
Monuments
the
wholeness
and
Examining
the

adverse
effects
of
development
neglect
Charity
cares
gardens
England
Wales

Outstanding
property
also
conditions
integrity
authenticity
have
an
management
system

ensure
its
Project
Control
Framework
Highways
projects
standard
governance
arrangements

site
historic
protection
against
unauthorised
change
included
in
given
scheduled

monuments
the
Monuments
and
Archaeological
the
sites
outstanding
significance
exceptional

provides
the
identification
protection
presentation
the
considered
outstanding
Outstanding
Universal

terms
the
World
Convention
Appendices
the
Scientific
Reference
regard
the

supplementary
expertise
from
Scientific
Committee
Membership
Membership
following
English
Senior

Historic
Inspector
of
Ancient
Monuments
Archaeologist
Avebury
Council
Archaeology
Service

design
Formulate
of
principles
archaeological
the
programme
evaluation
methodologies
techniques

assessment
monitor
Formulate
mitigation
requirements
their
delivery
and
guidance
issues

impacts
the
project
design
implementation
Highways
the
function
through
design

ensures
the
historic
environment
dimensions
the
project
and
managed
the

historic
environment
also
ensure
excellence
the
design
and
archaeological
assessment

specifically
the
Committee
in
Agreeing
archaeological
assessment
and
Developing
archaeological

research
Formulating
archaeological
mitigation
requirements
archiving
relation
assessment
mitigation
the

opportunities
benefit
Process
Scientific
Committee
with
these
Reference
sought
their

statutory
function
own
and
guidance
the
consent
England
give
careful

consideration
to
Committee
and
have
that
advice
general
archaeological
The

secretariat
minutes
actions
collating
the
both
the
Scientific
managing
the

provision
distribution
of
information
Committee
The
secretariat
England
meeting
proceedings

meetings
relation
to
Conduct
Guidance
should
be
in
proceedings
The

members
not
for
participation
the
Highways
reimburse
reasonable
gov
government

Highways
information
you
Crown
re
this
free
in
gov
open

Archives
national
gov
Mapping
where
copyright
database
enable
organisation
provided

sub
distribute
or
any
parties
This
document
on
highwaysengland
accessible

version
this
publication
and
re
help
have
in
highwaysengland
the

Highways
publications
code
England
creative
that
rate
and
including
mobile

Calls
monitored
on
managed
forests
others
controlled
when
Highways
Registered

